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April 14, 2016

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VIA MESSENGER

PUBLIC DOCUMENT
HIGHLY-SENSITIVE TRADE SECRET DATA EXCISED

Hon. Jeanne M. Cochran
Administrative Law Judge
Office of Administrative Hearings
600 N. Robert Street
PO Box 64620
St. Paul, MN 55164-0620

Re: Direct Testimony of Minnesota Energy Resources Corporation
MPUC Docket Nos. G011/M-15-895 & G011/M-16-315
OAH Docket No. 68-2500-33191

Dear Judge Cochran:

Minnesota Energy Resources Corporation ("MERC") respectfully submits in the above-referenced matter the Direct Testimony and Schedules of the following witnesses:

- *Amber S. Lee*. Policy, Rate Design, Project Overview, Introduction of Witnesses.
- *David W. Clabots*. Forecasting.
- *Sarah R. Mead*. Natural Gas Interstate Pipeline Capacity.
- *Lyndsay K. Lyle*. Distribution Design and Engineering.
- *Timothy C. Sexton*. Independent Evaluation of Natural Gas Interstate Pipeline Capacity.

This testimony has been filed and served through the e-Docket system. This filing includes the public version of all of these testimonies.

Certain information in the testimony contains highly-sensitive and confidential information that, if disclosed, would create a competitive advantage to parties receiving it. Specifically, Exhibit 3 of the Direct Testimony of Timothy Sexton contains Highly-Sensitive Trade Secret data pursuant to Minnesota Statutes § 13.37, subd. 1(b). The information in that Exhibit 3 is highly

confidential information that includes a comparative analysis of various bids reviewed in MERC's selection of resources. This information includes third-party confidential information. Further, MERC's competitors and suppliers would gain a competitive advantage if this information were publicly available. As a result of public availability, MERC and its customers would suffer in future resource procurements.

Pursuant to the Highly-Sensitive Trade Secret Protective Order issued in this case, the highly sensitive trade secret Exhibit 3 of Mr. Sexton's Direct Testimony is being separately e-filed in Docket No. G-011/M-16-315. A redacted Exhibit 3 is included with Mr. Sexton's Direct Testimony filed in Docket No. G-011/M-15-895.

Please contact me at mkrikava@briggs.com or (612) 977-8566 if you have any questions regarding this filing.

Sincerely,

BRIGGS AND MORGAN, P.A.

/s/ Michael C. Krikava

Michael C. Krikava

MCK/rlh
Enclosures

CERTIFICATE OF SERVICE

IN THE MATTER OF A PETITION BY MINNESOTA ENERGY RESOURCES CORPORATION FOR EVALUATION AND APPROVAL OF RIDER RECOVERY FOR ITS ROCHESTER NATURAL GAS EXTENSION PROJECT

OAH DOCKET NO. 68-2500-33191
MPUC DOCKET NO. G011/M-15-895

Roshelle L. Herstein hereby certifies that on the 15th day of April, 2016, she served copies of **MINNESOTA ENERGY RESOURCES CORPORATION'S DIRECT TESTIMONY** by posting the same on www.edockets.state.mn.us. Said document is also served via U.S. Mail or e-mail as designated on the attached Official Service List on file with the Minnesota Public Utilities Commission in the above-referenced docket.

s/Roshelle L. Herstein
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Direct Testimony and Schedules
Amber S. Lee

Before the Office of Administrative Hearings
600 North Robert Street
St. Paul, Minnesota 55101

For the Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, Minnesota 55101

In the Matter of a Petition by Minnesota Energy Resources Corporation for Evaluation and Approval of Rider Recovery for Its Rochester Natural Gas Extension Project

MPUC Docket No. G011/M-15-895
OAH Docket No. 68-2500-33191
Exhibit _____

Direct Testimony
Policy and Rate Design

April 15, 2016

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I. INTRODUCTION

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Amber S. Lee. My business address is 1995 Rahncliff Court, Suite 200, Eagan, Minnesota 55122.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT POSITION?

A. I am employed by WEC Business Support ("WBS"). WBS is the service company that provides service to Minnesota Energy Resources Corporation ("MERC" or the "Company"). My position is Manager of Regulatory and Legislative Affairs for MERC. MERC is a subsidiary of WEC Energy Group, Inc. ("WEC"), a utility holding company headquartered in Milwaukee, Wisconsin. WEC's operating public utility subsidiaries provide electric and natural gas service to approximately 4.4 million customers over four states, including MERC's approximately 230,000 customers in Minnesota.

Q. FOR WHOM ARE YOU PROVIDING TESTIMONY?

A. I am testifying on behalf of MERC.

Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

A. I have been the Regulatory and Legislative Affairs Manager at MERC since May 2014. Prior to that time, I worked as an attorney practicing in Minnesota utility regulation.

Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY?

A. I am testifying in support of MERC's request that the Minnesota Public Utilities Commission ("Commission") approve MERC's proposed Rochester Natural Gas Extension Project ("Rochester Project" or "Project"). The Rochester Project will be completed in two phases. Phase I ($5.6 million of system improvements to MERC's delivery system in the Rochester area) has already been installed and MERC is seeking recovery of those costs in its current rate case, Docket G-011/GR-15-736. Phase II is the subject of this proceeding and is an approximately $44 million MERC investment, as well as a commitment by MERC to pay the costs of a $60 million upgrade to the interstate pipeline system into Rochester, all as described in more detail in this and other testimonies.

My Direct Testimony covers the following areas:

(1) I provide support for the Company's Petition in this matter and provide background about the Project. I sponsor and provide foundation for the Petition.

(2) I propose the rate mechanisms for recovery of the Project costs.

(3) I provide a description of the Destination Medical Center ("DMC") initiative in Rochester and how that initiative may impact the Project.

(4) I describe the statutory and policy factors to support a determination that the Project costs should be borne by all of MERC's Minnesota ratepayers.

Q. ARE YOU SPONSORING ANY EXHIBITS WITH YOUR DIRECT TESTIMONY?

A. Yes. I am sponsoring the following:

- Direct Exhibit __ (ASL-1) is an analysis of the projected rate impacts of the Rochester Phase II and NNG contract costs when allocated across all MERC ratepayers and when allocated only to Rochester area customers;
- Direct Exhibit __ (ASL-2) is a copy of the April 1, 2016, Report the DMC recently provided to the State of Minnesota.
- Direct Exhibit __ (ASL-3), which is a copy of the application MERC made to the DMC for funding as part of the DMC initiative.

Q. WERE EXHIBITS __ (ASL-1) AND __ (ASL-3) PREPARED BY YOU OR UNDER YOUR DIRECTION AND SUPERVISION?

A. Yes, they were.

Q. HOW IS YOUR TESTIMONY ORGANIZED?

A. My testimony is structured in the following sections:

I. Introduction;

II. Description of the Rochester Project;

III. Rochester Project Costs;

IV. Statutory and Policy Cost Allocation Considerations;

V. Conclusion

Q. PLEASE SUMMARIZE YOUR TESTIMONY.

a. First, I sponsor the Company's Petition in this matter and am available to answer general questions about it. Other Company witnesses provide additional detail about specific

elements of the Project and Petition and I will defer questions about those issues to these other witnesses, as further described below.

Second, I provide an overview of the Rochester Project and the need for it. The Rochester Project is a system integrity project that involves upgrades to our Rochester distribution system to better allocate the flow of gas and tie our system together. Overall MERC and its customers are dedicating $100 million in support of this overall initiative.

Phase I of the Project cost $5.6 million and was completed in 2015. MERC's Phase II upgrades to its distribution system total about $44 million and is slated to be implemented from 2017-2022. In addition, MERC's wholesale natural gas supplier, Northern Natural Gas ("NNG") is building infrastructure necessary to supply MERC with additional capacity for our system. That added capacity is needed at the present time because we effectively have a negative reserve margin in the Rochester area, a situation that will get worse as demand grows over time. The NNG component costs about $60 million in capital costs and will be recovered through payments by MERC under a long-term Precedent Agreement ("PA").

Third, I discuss MERC's proposed cost recovery mechanisms for Phase II of the Rochester Project. In this proceeding, MERC is seeking approval to recover MERC's Phase II costs from all MERC ratepayers through future rate case and rate rider filings. Our rider recovery request is in accordance with the Natural Gas Extension Project rider

statute ("NGEP Rider statute"), Minn. Stat. § 216B.1638. The NNG component will be recovered through MERC's Purchased Gas Adjustment ("PGA") mechanism.

Fourth, I describe some of the circumstances existing in Rochester that may contribute to the need for added gas infrastructure. This includes discussion of the "Destination Medical Center" ("DMC") initiative that is ongoing with the goal of facilitating major expansion of the Mayo Clinic and associated economic development and job creation. I describe the statute authorizing the DMC initiative, Minn. Stat. § 469.47, and the DMC Plan that has been put in place. I also describe MERC's request to be considered for funding under the DMC Plan (or a modification of that Plan).

Fifth, I will discuss the statutory and policy justifications supporting MERC's proposal to allocate the costs related to the Rochester Project across all MERC ratepayers. This includes a discussion of the cost recovery principles that have been applied to the development of natural gas transmission and distribution infrastructure. In short, the Rochester Project justifies recovery of costs from all of MERC's customers. Both base rate and applicable rider principles suggest that spreading the costs in this way is appropriate.

Q. HAVE ANY OF THE ISSUES IN YOUR TESTIMONY BEEN ADDRESSED IN ANY OTHER PROCEEDING?

A. Preliminarily, yes. MERC currently has a rate case pending in Docket G011/GR-15-736. In that rate case, MERC is seeking recovery of Phase I of the Rochester Project in rate

base. Specifically, in the rate case MERC is seeking recovery of approximately $5.6 million for Phase I of the Project, which we have completed and placed in service.

In addition, MERC initially sought recovery of about $640,000 for Phase II costs in the rate case.[1] After MERC filed the initial Petition in this docket, the Commission considered whether to transfer some of the issues arising in this proceeding to the rate case. The Commission ultimately determined that all issues relating to the prudence and rate design of Phase II of the Rochester Project should be addressed in this proceeding, rather than the rate case. In its February 8, 2016 Notice of and Order for Hearing in this case and in the rate case, the Commission states in Ordering paragraph 2:

> The Commission refers MERC's petition to the Office of Administrative Hearings (OAH) as a separate, standalone contested case, moving all Rochester Project Phase II costs and issues from MERC's general rate case to this docket.

Q. WHILE THE COMMISSION WAS CONSIDERING WHAT PROCESS TO EMPLOY TO REVIEW THE ROCHESTER PROJECT, DID YOU SUBMIT ANY OTHER TESTIMONY RELATED TO THESE ISSUES?

A. Yes. I submitted Supplemental Direct Testimony in MERC's pending rate case, Docket G011/GR-15-736. It covered some of the same issues as I am describing here. Since the Commission referred all matters pertaining to the Rochester Project to this proceeding, I expect that the Supplemental Direct Testimony I submitted in the rate case will not be

[1] In our rate case, the Department has recommended in its testimony that consideration of the $640,000 of Phase II costs be deferred for ratemaking purposes until after prudency of those costs is addressed in this proceeding. MERC has agreed with the recommendation to defer the Phase II costs, but has requested a return on the deferral.

offered into evidence in that proceeding and I am not offering it into evidence in this proceeding as it has been substantially subsumed by this testimony.

Q. HAVE THERE BEEN MATERIAL CHANGES TO MERC'S PROPOSAL SINCE THE PETITION WAS FILED AND YOU SUBMITTED SUPPLEMENTAL DIRECT TESTIMONY IN THE RATE CASE?

A. There have been a few relatively minor changes, but nothing material or that would materially change MERC's request in this case or the proposed outcome. In the intervening months since we filed the Petition and since I filed Supplemental Direct Testimony in the rate case, we have updated our analysis and refined our approach to some issues. The details of these refinements are covered by other MERC witness, but I provide a summary here:

1. MERC updated its forecast based on responses to information requests from the Department and the OAG, resulting in a slight decrease in the forecast demand growth rate from 1.6 to 1.5 percent, as described in more detail by Company Witness David Clabots;
2. MERC updated its cost estimates and rate impacts of the NNG component of the overall project based on a less-than five percent (about $2.5 million) increase in the capital cost of the NNG work. I note that the NNG cost estimate remains within the $55-60 million estimate stated in our Petition. My testimony provides updated rate impact tables addressing this modest cost increase; Company Witness Sarah Mead provides a discussion of the reasons for the change;

3. Company Witness Lindsay Lyle provides a discussion of the operational impacts of the Project, including review of some minor revisions to the NNG scope of work that were implemented to contain costs.

Q. IS IT IMPORTANT FOR THE COMMISSION TO DETERMINE THE PRUDENCE OF THE ROCHESTER COSTS AND HOW THEY SHOULD BE ALLOCATED AMONG MERC'S CUSTOMERS?

A. Yes. The Rochester Project is a major initiative for MERC, resulting in the commitment to a long-term capacity contract with NNG and about $100 million of investment on behalf of our customers. Because of the magnitude of this investment, MERC believes it is important to seek and obtain regulatory confirmation that the Project is justified and reasonable.

Further, the method of allocating the costs that a utility bears to ensure adequate and reliable service is an important issue for the Commission to consider. The mechanisms and rate design implemented to recover the costs of the Rochester Project impact the design and potential viability of the Rochester Project as proposed.

Substantial work on the system in and around Rochester is necessary to address both the system reliability and capacity needs of our current customers. MERC's Rochester distribution system has existing operational deficiencies that must be addressed for gas to be efficiently and reliably distributed across the system's entire footprint. In addition, the NNG interstate pipeline system that supplies MERC's distribution facilities in Rochester

and the surrounding communities across southeastern Minnesota is currently at capacity. It must be upgraded to meet our existing customers' needs, as well as to meet the expected growth in customer demand in southeastern Minnesota over the next ten years.

Commission precedent and policy, as well as the NGEP Rider statute, support spreading the costs of such a project over all of the utility's customers. To that end, MERC is proposing to recover the costs of Phase I of the Rochester Project in its pending rate case, and is proposing to recover the costs of Phase II and NNG's pipeline upgrade costs through a combination of base rates, the NGEP Rider, and the purchased gas adjustment ("PGA") charge. A decision regarding the appropriate allocation of cost recovery regarding all components of the Rochester Project is appropriate in this proceeding to ensure consistency of such recovery and to provide MERC with the regulatory concurrence that is needed to proceed with the Rochester Project.

Q. ARE THERE OTHER WITNESSES PROVIDING TESTIMONY IN THIS CASE?

A. Yes. In addition to my testimony, MERC is providing Direct Testimony of the following witnesses:

1. **Sarah R. Mead** – Ms. Mead is an employee within the WEC companies and provides services to MERC as well as other WEC utilities. She provides direct testimony on issues of interstate pipeline capacity, the reasons we chose the particular capacity upgrades identified in Phase II of the Rochester Project, and the Company's relationship with NNG.

2. **David W. Clabots** – Mr. Clabots is an employee within the WEC companies and provides services to MERC as well as other WEC utilities. He provides direct testimony on the sales and demand forecasting that support the Company's need to move forward with Phase II of the Rochester Project.

3. **Lindsay K. Lyle** – Ms. Lyle is an employee of MERC. She provides direct testimony supporting the engineering and construction of MERC's distribution upgrades, including the proposed approximately 14-mile high-pressure distribution pipeline, and a high-level review of the environmental impacts from the Project.

4. **Timothy C. Sexton** – Mr. Sexton is an independent third-party consultant with Gas Supply Consulting, Inc. of Houston, Texas. Mr. Sexton provides an independent review of the Company's current capacity reserve and provides expert opinions on the prudence of MERC's approach to satisfy the need identified in this case.

II. DESCRIPTION OF THE ROCHESTER PROJECT

Q. WHAT IS THE ROCHESTER PROJECT?

A. The Rochester Project is a significant system integrity and system capacity project for MERC and our customers, committing around $100 million in capital improvements for betterment of the overall MERC system. It is designed to improve the operation and efficiency of MERC's distribution system to ensure that all available firm gas on the system can be delivered across the system's entire footprint in southeastern Minnesota. These upgrades will also allow MERC to accommodate additional natural gas capacity on

its distribution system in and around the City of Rochester as well as in surrounding communities in southeastern Minnesota, which are currently at capacity and cannot support continued growth without expanding the supply of interstate gas into the area.

Q. PLEASE DESCRIBE THE NEED FOR THE ROCHESTER PROJECT.

A. The Rochester Project is designed to alleviate a two-fold need by: (1) eliminating the operating pressure and piping configuration issues that prevent MERC's existing distribution system in the Rochester area from efficiently and reliably distributing all the gas that is available on the system across Rochester and surrounding communities; and (2) increasing the interstate natural gas pipeline capacity available to the Rochester area and beyond so that it is adequate to meet existing customer demand as well as the forecasted increase in demand projected over the long term.

Q. PLEASE SUMMARIZE THE OPERATING PRESSURE AND PIPING CONFIGURATION ISSUES YOU MENTIONED.

A. Under present circumstances, in situations of very high demand, MERC's existing low-pressure distribution system in Rochester cannot distribute all of the gas supply available in the southern portion of the system to the northern portion of the system where it is needed. This constraint during peak periods is due to the configuration of the system's piping that interconnects the various portions of MERC's low-pressure distribution system within the City of Rochester and the wide range of pressures under which the distribution system operates. Company Witness Ms. Lindsay Lyle provides additional

discussion on the operational characteristics of the MERC system that necessitate the proposed Project.

Q. PLEASE SUMMARIZE MERC'S NEED FOR ADDED INTERSTATE PIPELINE CAPACITY ON ITS SYSTEM.

A. The greater Rochester area has experienced continued population growth and commercial and industrial expansion, in large part due to the growth of services supporting the expansion of health care facilities in and around the city. As a result of this growth, MERC is unable to meet its design day requirements for customers served in the Rochester area absent improvements to increase capacity.

As Company Witness Ms. Sarah Mead describes in greater detail in her Direct Testimony, the main barrier for MERC to continue to meet its design day requirements for customers in the Rochester area is the limited level of interstate pipeline capacity reserve that currently exists. NNG is the sole provider of interstate natural gas pipeline capacity to the Rochester area, and NNG is currently fully subscribed on its transmission system serving the area with no additional firm capacity available.

The proposed NNG capacity upgrades provide additional capacity that will allow MERC to meet its existing customer requirements as well as reasonably-anticipated future demand for the long term.

To provide additional firm capacity, NNG and MERC have negotiated a long-term capacity contract (the "Precedent Agreement" or the "PA") under which NNG will build additional capacity into the two transmission laterals that connect to MERC's Town Border Station ("TBS") system. MERC's TBS system must also be upgraded to accept the increased volumes of high-pressure natural gas from NNG and reduce the pressure of the gas for delivery to our low-pressure distribution system that ultimately delivers the gas to our customers.

Q. PLEASE SUMMARIZE HOW NNG WILL ADD CAPACITY TO ITS INTERSTATE PIPELINE SYSTEM IN THE AREA.

A. Ms. Mead's and Ms. Lyle's Direct Testimonies provide more detail on this issue. At a high-level, I understand that NNG must first increase the pressure of its pipeline system in Minnesota, which it will do by installing a 15,000-hp compressor to increase the pressure within the main transmission lines that run into Minnesota. In addition, NNG must make modifications to other facilities in and around the Rochester area to manage the increased capacity that will be fed to the Rochester TBS system as a result of the increased pressure.

Q. IS THE ROCHESTER PROJECT PREDICATED UPON PARTICULAR ASSUMPTIONS OF FUTURE GROWTH?

A. No. As Ms. Mead testifies, MERC currently operates with a negative reserve margin in the Rochester area and we need to increase capacity into that area to meet current needs. However, I note that demand growth in Rochester has generally been stronger than

elsewhere on the MERC system. Company Witness Mr. David Clabots provides testimony about the forecasting methodology supporting the Petition. While that forecasting work is important to show estimated conditions in the future, in this instance the forecast alone does not determine whether the Project is needed. We need to add capacity now to serve existing customers.

Q. ARE THERE PARTICULAR CIRCUMSTANCES THAT SUGGEST GROWTH IN THE ROCHESTER AREA WILL REMAIN RELATIVELY ROBUST?

A. Yes. Rochester's historically robust growth is likely to continue because Rochester is a regional center for industry, agriculture, and in particular, health care.

Q. DO YOU EXPECT HEALTH CARE BUSINESSES WILL CONTRIBUTE TO DEMAND GROWTH IN THE ROCHESTER AREA?

A. Rochester is the home of the Mayo Clinic and a variety of other related health care facilities and the Mayo Clinic is the largest employer in the community.

In the 2013 legislative session, Minnesota enacted a law designating the Mayo Clinic as a Destination Medical Center. As stated on the DMC website:

> State officials determined there was compelling interest to authorize public investments in Rochester to help support Mayo Clinic in Rochester as a global medical destination center. These leaders worked together to develop DMC and create in statute the financing tools and public governance structure necessary to carry out the global destination vision.[2]

[2] Destination Medical Center, About DMC, http://dmc.mn/ (follow "About DMC" hyperlink).

The legislation set up an economic development corporation (the "DMCC") and provided a mechanism for potential funding of public projects designed to support the DMC. The DMCC Board is charged with, among other things, overseeing funding for public projects in support of the overall goals. If the DMC efforts are successful, it will further fuel demand growth in the coming years.

III. ROCHESTER PROJECT COSTS

A. Estimated Project Costs

Q. WHAT ARE THE TOTAL ESTIMATED COSTS OF THE ROCHESTER PROJECT?

A. MERC's estimates construction costs for Phase I at $5.6 million and Phase II at about $44 million. NNG's estimated construction cost to upgrade the capacity of its pipeline system into the Rochester area is about $60 million. The total capital commitment by MERC's customers is about $100 million.

Q. WHY ARE THE COSTS OF PHASE I NOT PART OF THIS CASE?

A. The estimated $5.6 million cost for Phase I of the Rochester Project – to upgrade the DRSs and connecting pipe in MERC's Rochester low-pressure distribution system – have been completed, with all upgrades placed into service in 2015. Because these distribution upgrades are used and useful for the provision of natural gas service during the 2016 test year, MERC is seeking recovery of the Phase I upgrades' $5.6 million cost in rate base in its currently-pending rate case proceeding, Docket G-011/GR-15-736.

Q. PLEASE EXPLAIN MERC'S PHASE II COSTS IN DETAIL?

A. The Phase II upgrades to MERC's distribution system are estimated to cost approximately $44 million over 10 years. A breakdown of the annual construction activities and associated costs is provided in the Table 1 below.

Table 1 – Rochester Project Construction Activities and Costs

Year	Cost	Activities
2014	$127,000	Initial Environmental Review and Consultant Contract
2015	$237,000	Regulatory Review (Rider Petition and Route Permit)
2016	$636,000	Engineering & design for TBS 1D and 5 miles of pipe to New TBS, route surveys
2017	$ 6,019,383	Surveys, easement acquisition, construction of TBS 1D, engineering & design
2018	$11,252,457	Survey, engineering & design, construction of pipe from TBS 1D to New TBS
2019	$ 5,475,520	Survey, engineering & design, construction of New TBS
2020	$ 6,950,442	Survey, engineering & design, construction of first segment of pipe from New TBS to New DRS
2021	$ 6,423,642	Survey, engineering & design, construction of second segment of pipe from New TBS to New DRS
2022	$ 6,833,562	Survey, engineering & design, construction of last segment of pipe from New TBS to New DRS
2023	$ 51,600	Project close-out
Total	$44,006,607	

This represents a major investment for MERC and its customers that not only requires thoughtful planning and implementation, but also calls for regulatory concurrence for allocation and recovery of the costs arising from the Project.

Q. HOW ARE THE COSTS OF THE NNG UPGRADES ACCOUNTED FOR?

A. the approximately $60 million dedicated to the upgrade of the NNG system will be recovered from MERC's customers through the NNG PGA.

B. Proposed Cost Recovery

Q. HOW DOES MERC PROPOSE TO RECOVER THE COSTS FROM THE ROCHESTER PROJECT?

A. MERC is proposing recovery of the Rochester Project's Phase II costs through three different cost recovery mechanisms.

- First, MERC proposes to collect all Project rate case test year revenue requirements (including any deferred costs) in base rates.
- Second, MERC proposes to recover up to 33 percent of the Phase II costs not recovered in base rates through a Natural Gas Extension Project Rider ("NGEP Rider"), as authorized under the NGEP Rider statute, Minn. Stat. § 216B.1638.[3]
- Third, NNG's costs to provide additional interstate pipeline capacity to the area will be recovered through monthly capacity payments over a 25-year period, with an option to extend the capacity contract another five years at a significantly discounted rate per dekatherm. MERC proposes to recover the costs of this capacity contract through its NNG PGA.

[3] To do this, MERC proposes to submit, by October 1 each year, the projected rider-eligible revenue deficiency for the upcoming year and the proposed per therm rider rate calculated to recover that revenue deficiency beginning January 1 of the following year. For instance, a 2019 NGEP Rider rate would be calculated based on the Project's revenue deficiency for 2019 and would be filed by October 1, 2018. The rider rate would be calculated annually by dividing the rider-eligible revenue deficiency projected for the upcoming year less the revenue requirement already being collected in base rates by the forecast of total Minnesota sales approved by the Commission in MERC's most recent rate case. The rider rate would then be adjusted as necessary to eliminate any previous rider over/under recovery of the Project's rider-eligible revenue deficiency.

MERC proposes to collect the base rate and NGEP rider recoveries from all of MERC's Minnesota customers, and we propose to recover NNG's costs from all of MERC's customers on the NNG PGA. I provide support for such recovery below.

Q. WHY IS MERC SEEKING TO RECOVER A PORTION OF THE ROCHESTER PROJECT COSTS PURSUANT TO THE NGEP RIDER STATUTE?

A. MERC filed for NGEP Rder recovery for the Rochester Project because it meets the definition of a NGEP: the project involves "the construction of . . .upgrades to existing natural gas facilities necessary to serve [an] inadequately served area."[4] Under the language of the statute, Rochester and the surrounding communities in southeastern Minnesota, is an " inadequately served area" because it "lack[s] adequate natural gas pipeline infrastructure to meet the demand of existing or potential end-use customers."[5] In addition, the process called for by the NGEP Rider statute provides the Commission with the authority and opportunity to review the prudence of the Project and to make a public interest determination about the Company's proposal.

Q. WHAT ARE THE COSTS OF THE NNG CAPACITY UPGRADES THAT MERC PROPOSES TO RECOVER THROUGH THE PGA?

A. NNG's construction costs to increase the capacity of its interstate pipeline system to meet MERC's firm customer needs in the Rochester area are estimated to be less than $60 million. Company witness Sarah Mead provides additional testimony on these costs and

[4] Minn. Stat. § 216B.1638, subd. 1(e).
[5] Minn. Stat. § 216B.1638, subd. 1(i).

the terms of the PA. Under the PA, MERC will be responsible to pay for the capacity provided under the PA. The amount is slightly higher than projected in the Petition but remains within the $55-$60 million range that we provided in the Petition. Later in my testimony, I provide updated cost allocation tables reflecting the modest change in the capacity cost.

Q. ARE NNG'S UPGRADES SUBJECT TO REGULATORY REVIEW AND APPROVAL?

A. Yes. Before proceeding to upgrade the capacity of its interstate pipeline system in accordance with the PA, NNG must apply to the Federal Energy Regulatory Commission (FERC) for a Certificate of Public Convenience and Necessity ("CPCN"). FERC's review of NNG's CPCN petition will focus on four issues: (1) that NNG has conducted an "open season" for existing customers of its interstate pipeline system in Minnesota to identify the extent of their need for capacity on the system to ensure that NNG's pipeline expansion proposal is appropriately sized; (2) that the cost of the expansion will be fully funded by the pipeline customers that require the expansion to meet their needs; (3) that the expansion does not have adverse effects on (i) the existing customers of the pipeline; (ii) other pipelines in the market and their captive customers; or (iii) the landowners and communities affected by the pipeline's expansion; and (4) that if there are any adverse effects, the public benefits of the pipeline expansion outweigh those effects. Upon determining that NNG's petition satisfactorily addresses all these issues, FERC will issue a CPCN for the pipeline expansion.

Q. ARE MERC'S OBLIGATIONS UNDER THE PA CONDITIONED?

A. Yes. The PA includes a condition precedent that requires MERC to receive appropriate regulatory approval from the Commission as a condition to proceeding.

IV. STATUTORY AND POLICY COST ALLOCATION CONSIDERATIONS

A. Rate Base Recovery

Q. HOW ARE GENERAL SYSTEM INTEGRITY PROJECTS RECOVERED FROM RATEPAYERS?

A. System integrity and reliability projects have historically been authorized for rate base recovery in rate case proceedings and allocated to all customer classes via the approved rate design allocations.

Q. IN CONTRAST, HOW ARE SERVICE EXTENSION PROJECTS TO PROVIDE SERVICE TO INDIVIDUAL CUSTOMERS RECOVERED FROM RATEPAYERS?

A. Service extension projects, which typically involve the construction of main and service lines to connect new customers to a utility's system, must generally be cost- and load-justified for the costs of such projects to be authorized for inclusion in rate base.[6] MERC's customer extension model, as approved by the Commission in Docket No. G011/M-15-165, applies to new customer natural gas extensions, *i.e.*, to the construction of main or service line extensions required to connect a new customer to MERC's

[6] *See In the Matter of an Inquiry into Competition Between Gas Utilities in Minnesota*, Docket No. G999/CI-90-563, Order Terminating Investigation and Closing Docket (March 31, 1995) (finding that natural gas service extension tariffs specify the length and size of main and service like extensions each new customer is entitled to receive without charge and how much they will need to pay for extensions that exceed the free footage allowance, based on cost justification of the extension).

existing distribution system. If a new line extension is not a net revenue generator over the course of the line's life, the policy requires MERC to recover the deficiency from the new customer through a contribution in aid of construction ("CIAC").

Similarly, natural gas extensions that involve the construction of distribution infrastructure to provide service in an area that a utility has not previously served may be financed through a New Area Surcharge ("NAS"). This enables a utility to extend service into a new area that would be uneconomic to serve at tariffed rates by permitting the utility to collect a surcharge in addition to its tariffed rates. The NAS feasibility model determines the CIAC amount necessary to reduce a new area project's capital costs to a level that the revenues generated from new area customers paying the utility's tariffed rates will recover the new area project's projected revenue requirements. The CIAC amount is recovered from the new area customers through a NAS.

Q. IS MERC SEEKING RECOVERY OF THE ROCHESTER PROJECT COSTS THROUGH BASE RATES?

A. Yes. MERC is proposing to recover the capital costs of the Rochester Project through a combination of base rates and rider recovery.

Q. IS MERC'S PROPOSED RATE RECOVERY FOR THE ROCHESTER PROJECT PHASE II COSTS CONSISTENT WITH COMMISSION PRECEDENT?

A. Yes. MERC's proposal to recover capital costs from all MERC customers is consistent with Minnesota statutes and past Commission practice authorizing rate base recovery of natural gas utility system integrity and reliability projects.

Under the Commission's regulatory model, the total of the investor funded or supplied plant, facilities and other investments used by the utility to provide service to its customers is included in rate base. Each year MERC undertakes capital projects that repair, replace, or upgrade portions of the infrastructure of its local distribution systems in various service areas across Minnesota to improve system integrity and reliability. MERC's test year plant that is used and useful is approved for rate base recovery based solely on the prudence of undertaking the variety of capital projects across MERC's system and the reasonableness of those projects' costs. For example, in MERC's 2010 rate case, Docket No. G007,011/GR-10-977, MERC included approximately $7 million in capital costs for 2010 and 2011 for main replacement in southeastern Minnesota in its rate base.[7] Those capital costs were approved and recovered from all customers through base rates.

These previous and ongoing system integrity projects that address aging infrastructure and system reliability issues have historically been included in rate base and spread

[7] *See* DOC Exhibit 112 (MAS-12) (St. Pierre Direct); MERC Exhibit 43 (DeMerritt Rebuttal Exhibit__(SSD-1)).

across all MERC ratepayers regardless of geography of the specific project or the customers directly served by those projects. Other Minnesota natural gas utilities have similarly included such system integrity projects in rate base for recovery from all customers.[8]

Other jurisdictions also support the recovery of infrastructure investments from all rate classes. For example, under long-established regulatory policy in Wisconsin, the cost of pipeline investments has been allocated between system sales customers and transportation customers.[9]

Q. ARE THE ROCHESTER PROJECT PHASE II COSTS APPROPRIATE FOR RECOVERY FROM ALL MERC CUSTOMERS?

A. Yes. As a system integrity and reliability project, the Rochester Project can be considered similar to other infrastructure projects included in rate base and recovered through base rates. Many of these upgrades are necessary to modernize MERC's distribution infrastructure, and are therefore comparable to the many other system repairs and upgrades MERC makes every year.

[8] For example, CenterPoint Energy has included reinforcement projects to maintain adequate pressure and support additional load demands on its system that result from growth and rehab/replacement in capital growth included in rate base. *See generally* Docket No. G008/GR-13-316 (Direct Testimony, Schedules, and Workpapers of CenterPoint Energy witness Kirk R. Nesvig).

[9] A similar cost recovery mechanism was analyzed in an analogous project in Wisconsin, where that Wisconsin commission recognized the value of spreading costs of an infrastructure project of this type across all customer classes, including transportation customers. *See* PETITION OF WISCONSIN GAS LLC, AS A GAS PUBLIC UTILITY, FOR AUTHORITY TO CONSTRUCT NATURAL GAS LINES IN DODGE AND WASHINGTON COUNTIES, WISCONSIN, FOR THE PURPOSE OF CONNECTING ITS EXISTING NATURAL GAS DISTRIBUTION SYSTEMS IN THE HARTFORD AND WEST BEND AREA TO A PROPOSED EXPANSION OF THE GUARDIAN PIPELINE, Docket No. 6650-CG-220 *Final Decision*, (June 26, 2006).

Q. IS THE ROCHESTER PROJECT MORE AKIN TO A NEW CUSTOMER EXTENSION PROJECT DISCUSSED ABOVE THAN TO A SYSTEM INTEGRITY PROJECT?

A. No. Phase II is not being undertaken to connect specific new customers to our distribution system nor to extend the distribution system to new customers in an area that MERC is not already serving. Rather, Phase II addresses a significant system integrity and reliability issue that affects MERC's ability to optimize the availability of its limited firm supply of gas at TBS 1B. While addressing this issue, certain elements of Phase II have been designed to ensure that the upgraded TBS system will appropriately handle the increased supply of gas that will be delivered to MERC's distribution system as a result of NNG's capacity upgrades to its interstate pipeline system in the area. Ms. Lyle's direct testimony provides additional discussion on the particular work that needs to be undertaken to upgrade the distribution system.

Q. ARE THE ROCHESTER PROJECT'S PHASE II COSTS SUBJECT TO MERC'S NEW AREA SURCHARGE?

A. No. MERC's New Area Surcharge only applies "in geographical areas that have not been previously served by the Company," which is not the case here.[10] The Rochester Project is being constructed in an area that MERC already serves but is inadequately

[10] *See In the Matter of Minnesota Energy Resources Corporation's (MERC) Petition for Approval of a New Area Surcharge Rider,* Docket No. G007,011/M-11-1045, Order Approving New Area Surcharge with Modifications and Requiring Revised Tariff Sheet at 2 (July 26, 2012).("NSA Order") (July 26, 2012). MERC's New Area Surcharge only applies "in geographical areas that have not been previously served by the Company." NSA Order at 2.

served as described in the NGEP statute. While MERC is seeking to recover Project costs via different mechanisms, new customers who join MERC's system will be subject to a CIAC or NAS as determined under MERC's customer extension model.

B. NGEP Rider Recovery

Q. IS MERC SEEKING NGEP RIDER RECOVERY FOR SOME OF THE ROCHESTER PROJECT COSTS?

A. Yes. MERC is proposing to recover up to 33 percent of its Phase II costs through an NGEP Rider pursuant to Minn. Stat. §216B.1638. The NGEP Rider statute specifically provides that natural gas infrastructure costs that flow through the rider should be recovered from all of the utility's customers.[11] Minn. Stat. § 216B.1638 illustrates a legislative intent to support the socialization of natural gas infrastructure projects across a utility's entire service territory to serve inadequately served areas, such as Rochester.

Q. DOES THE NGEP RIDER STATUTE SUPPORT THE RECOVERY OF ROCHESTER PROJECT PHASE II COSTS FROM ALL OF MERC'S MINNESOTA RATEPAYERS?

A. Yes. The NGEP Rider statute allows a volumetric surcharge to be added to all customer usage. Specifically, the NGEP Rider statute authorizes rider recovery from "all of the utility's customers, including transport customers."[12]

[11] Minn. Stat. §216B.1638.

[12] Minn. Stat. § 216B.1638, subd. 2(a).

C. Rider Rate Design

Q. WHAT WOULD THE AVERAGE ANNUAL COST OF THE NGEP RIDER BE FOR A TYPICAL RESIDENTIAL CUSTOMER?

A. If the costs are spread over all customers via a volumetric surcharge as proposed, the average estimated residential customer total annual bill impact of the NGEP Rider recovery ranges from approximately $0.08 in 2017 to approximately $1.56 in 2023. If the NGEP Rider costs were not recovered from all of MERC's customers but instead only a subset of the customers in the Rochester area, the average residential customer in the Rochester area would see total annual bill impact ranges from approximately $0.55 in 2017 to $10.18 in 2023. See Direct Exhibit __ (ASL-1), page 2 of 3.

Q. WHAT DO YOU CONCLUDE REGARDING THE ALLOCATION OF THE PHASE II COSTS AMONG MERC RATEPAYERS?

A. I conclude that allocation of these costs across all customers is a reasonable approach that is consistent with the public interest and is consistent with the NGEP Rider statute and the overall purpose of the Project. The Phase II upgrades are of the same nature as those typically included in rate base for recovery from all utility ratepayers. Thus, it would be reasonable to spread this cost across all customers. If the Commission were to determine the Phase II costs should be borne only by Rochester area customers, those customers' cost burden would, in my opinion, be excessive.

D. Recovery of Capacity Payments

Q. WHY SHOULD THE NNG CAPACITY PAYMENTS RELATED TO THE ROCHESTER PROJECT BE RECOVERED FROM ALL CUSTOMERS SUBJECT TO THE NNG PGA?

A. Increases in interstate pipeline capacity and recovery of the costs of such capacity contracts are generally reviewed and approved in annual demand entitlement filings. The Commission has approved capacity contracts necessary to meet the utility's design day requirements and ensure an adequate reserve margin. Recovery of the cost of capacity contracts, including interstate pipeline construction costs necessary to provide the additional capacity, is authorized in demand entitlement proceedings through the PGA.[13]

Allocation of costs across the entire NNG PGA is appropriate, and has been previously approved, where the contract has system-wide benefits.[14] Under the terms of the PA, the

[13] *See, e.g., In the Matter of a Petition by Northern States Power Company (Xcel) for Approval of Changes in Contract Demand Entitlements for the 2009-2010 Heating Season Supply Plan effective November 1, 2009*, Docket No. G002/M-09-1287, Order (June 9, 2014) (Approving Xcel Energy's firm entitlement purchase with Viking to pay for construction costs related to the Fargo lateral expansion project). *In the Matter of CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Minnesota Gas's Request for Approval of Changes to Contract Demand Entitlement Units*, Docket No. G008/M-10-1162, Order (September 6, 2013) (Approving CenterPoint Energy's contract for long term NNG capacity to facilitate building and supplying a new town border station on the west side of the metropolitan area to serve the high growth communities of Plymouth, Maple Grove, and Corcoran).

[14] *See, e.g., In the Matter of a Petition by Northern States Power Company (Xcel) for Approval of Changes in Contract Demand Entitlements for the 2009-2010 Heating Season Supply Plan effective November 1, 2009*, Docket No. G002/M-09-1287, Compliance Letter of Minnesota Department of Commerce, Division of Energy Resources at 2 (Aug. 8, 2014) (explaining that recovery of the costs of new demand entitlement contracts with Viking Transmission Gas should no longer be limited to customers in the Moorhead/Fargo area because the new contracts allow gas to be received at several points across Minnesota and North Dakota and thus cost recovery should be allocated across this larger area). *In the Matter of CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Minnesota Gas's Request for Approval of Changes to Contract Demand Entitlement Units*, Docket No. G008/M-10-1162, Order (September 6, 2013) (Approving CenterPoint Energy's contract for long term NNG capacity to facilitate building and supplying a new town border station on the west side of the metropolitan area to serve the high growth communities of Plymouth, Maple Grove, and Corcoran).

supply of firm capacity available to our customers will not only increase in the Rochester area, but will also increase for our customers in the many other communities we serve in Minnesota subject to MERC's NNG PGA, as discussed in more detail below. If costs are not allocated across the entire NNG-PGA, consistent with prior treatment for similar contracts, the costs to MERC's Rochester area customers would be significant and unduly burdensome.

Q. WILL MERC'S ROCHESTER PROJECT BENEFIT EXISTING CUSTOMERS?

A. Yes. MERC currently does not have sufficient capacity to meet peak day requirements for all of our firm service customers in the greater Rochester area, including the 21 neighboring communities that will also benefit from additional capacity under the PA. As a result of this capacity constraint, MERC is increasingly unable to accommodate requests from interruptible customers to transition to firm service. Adding capacity to the system will allow existing customers to choose firm service.

Benefits will also accrue to MERC's existing customers, including transportation customers who choose to purchase gas across paths that do not directly utilize the projected laterals. Benefits can accrue in several ways. Generally speaking, a system with additional capacity will benefit even those not directly using it because capacity may be increased (by displacement) making it easier to move gas. It may also be easier for transport customers to negotiate more favorable contract terms. The availability of a significant increase in pipeline capacity into southeast Minnesota at reasonable prices, access to future capacity expansions at competitive rates, the increased operability and

reliability of service, and the ability to serve future load growth in a timely manner are among the key benefits the proposed project will bring to MERC customers.

While ensuring that MERC's local distribution system can handle the increased gas supply that will be available as a result of NNG increasing the capacity of its interstate pipeline system in the Rochester area, Phase II also addresses a critical integrity and reliability issue for MERC's existing customers.

Q. HOW WILL INTERRUPTIBLE AND TRANSPORT CUSTOMERS IN PARTICULAR BENEFIT FROM THE ROCHESTER PROJECT?

A. As a result of the increased capacity, customers will benefit from a reduced likelihood of service interruptions and curtailments under MERC's interruptible and transportation tariffs. Transportation customers would also benefit from reduced exposure to the increasing costs of new capacity. Therefore, it is fair, reasonable and appropriate to look to transportation customers to cover a portion of the capital project.

Q. IS IT POSSIBLE TO ALLOCATE SOME OF THE NNG CONSTRUCTION COSTS TO SYSTEM SALES INTERRUPTIBLE CUSTOMERS?

A. Yes. The contracted capacity charges MERC will pay to cover the construction cost of NNG's capacity expansion are generally recovered via the demand portion of the PGA. However, it would be possible for a portion of those costs to be allocated through the commodity portion of the PGA, thus recovering some of NNG's construction costs from interruptible sales customers. Interruptible customers would receive benefits from the

NNG capacity upgrades, thus they should bear costs of the NNG capacity upgrades in accordance with the benefits they are anticipated to receive as a result of the upgrades.

Q. WILL TRANSPORTATION CUSTOMERS SUBSIDIZE SYSTEM SALES CUSTOMERS FOR THE COSTS INCURRED BY NNG UNDER YOUR PROPOSAL?

A. No. NNG's construction costs would not be allocated to MERC's transportation customers, because the pipeline's construction costs are proposed to be recovered via the commodity portion of the MERC-NNG. Transportation gas customers do not purchase gas commodity from MERC, except for the purchase or sale of amounts via the monthly cash out process, therefore they are not and will not be subject to the commodity charge portion of the MERC-NNG PGA. Thus, transportation customers will be paying only for their share of the improvements to MERC's distribution system, from which they directly benefit, and will not be subsidizing sales customers.

Q. WILL THE ADDITION OF NEW CUSTOMERS IN THE ROCHESTER AND SURROUNDING AREA BENEFIT EXISTING MERC RATEPAYERS?

A. Yes, the addition of new customers to MERC's system has the potential to lower MERC's average cost per customer because costs would be spread across more customers. Additionally, the ability to also accommodate increased system sales to existing customers will benefit all MERC customers by generating additional revenues.

Q. WILL NEW CUSTOMERS WHO CONNECT TO MERC'S SYSTEM IN THE FUTURE IN THE ROCHESTER AREA BE REQUIRED TO PAY FOR THE COSTS TO CONNECT TO MERC'S SYSTEM?

A. Yes, as mentioned above, the construction of new main and service extensions to connect new customers to MERC's distribution system will be subject to MERC's approved main and service extension model.[15] Similarly, new customers who connect to MERC distribution facilities built in areas that MERC has not previously served will be subject to a new area service surcharge, as approved by the Commission.

Q. DO YOU HAVE ANY COMMENTS ABOUT THE RESERVE MARGIN THAT WILL RESULT FROM THE ROCHESTER PROJECT AND THE ASSOCIATED UPGRADES TO THE NNG PIPELINE SYSTEM?

A. Ms. Mead's testimony provides the Company's perspective on the interstate pipeline capacity situation. I describe the ratemaking implications of the gas supply picture.

Q. MS. MEAD CONCLUDES MERC'S RESERVE MARGIN AT ROCHESTER WILL BE OVER 20 PERCENT AFTER A PORTION OF THE CAPACITY IS REALLOCATED. IS THAT REASONABLE UNDER THE CIRCUMSTANCES?

A. Yes, while the near-term reserve margin in Rochester is significant, as described by Ms. Mead, it is reasonable, particularly when considering the flexibility we have to move some of the capacity to balance a broader part of the system.

[15] MERC's current main and service extension model was approved by Order dated July 13, 2015, in Docket No. G011/M-15-165.

It must be kept in mind that increases in interstate pipeline capacity generally result in "lumpy" development. Pipeline counterparties rarely accommodate capacity additions that just keep pace with increased customer demand, particularly where construction is required to provide the additional capacity. Considering the work that must be performed, it is generally more cost-effective to install somewhat larger facilities once rather than repeatedly reconstructing the same routes to add capacity in smaller amounts. As a result, capacity expansions generally exceed customer growth for several years. Although it may take several years to grow into the added capacity, the economies of scale from larger projects are expected to offset this concern.

Xcel Energy's Fargo Lateral matter (Docket No. G002/M-09-1287) offers a similar case in point. That expansion project also involved a Precedent Agreement to add capacity to Xcel's distribution system. Costs in that matter were allocated across the sales customers through the PGA, based on the conclusion that there were system wide benefits because the agreement authorized the utility to re-align some of the gas for delivery at other points on the system.[16] This capacity addition resulted in about 7.7% reserve margin on the Xcel system.

[16] *See, e.g., In the Matter of a Petition by Northern States Power Company (Xcel) for Approval of Changes in Contract Demand Entitlements for the 2009-2010 Heating Season Supply Plan effective November 1, 2009*, Docket No. G002/M-09-1287, Order (June 9, 2014) (Approving Xcel Energy's firm entitlement purchase with Viking to pay for construction costs related to the Fargo lateral expansion project).

Q. WHAT WOULD BE THE PGA-RATE IMPACT BE IF THE NNG CAPACITY COSTS WERE ALLOCATED ACROSS THE ENTIRE NNG PGA?

A. The rate impact for an average residential customer on the NNG PGA would range from $2.81 in 2018 to $32.16 in 2020 and reducing thereafter into the $30 range. Customers in the small commercial class would see comparable increases while the rate impact to the large commercial class would be significantly higher.

Q. WHAT WOULD THE RATE IMPACT BE IF THE NNG CAPACITY COSTS WERE ALLOCATED ONLY TO THE ROCHESTER AREA?

A. The impact would be significantly higher for both residential and commercial classes if the costs were allocated only to the Rochester area, and those customers would see about a four-fold increase. See Direct Exhibit __ (ASL-1), page 3 of 3.

Q. WHAT WOULD THE RATE IMPACTS BE IF RECOVERY OF ALL OF THE ROCHESTER PROJECT COSTS WERE LIMITED TO CUSTOMERS IN THE CITY OF ROCHESTER?

A. The incremental rate impact on Rochester customers if both the Rochester Project capital costs and the cost of the NNG capacity addition were recovered only from that subset would be up to $155 per year, an increase of about 20 percent, as shown on page 1 of 3 of Direct Exhibit __ (ASL-1). I am concerned that allocating these costs solely to Rochester area customers would be unjustified and unduly burdensome.

For the Rochester Project (and other major system integrity and capacity addition projects) to be viable, it is necessary that the costs be allocated across all customer classes and across the utility's entire footprint. This rate treatment is consistent with Commission precedent and is consistent with the policy underlying the NGEP Rider statute. If costs are not allocated across the entire NNG-PGA, consistent with prior treatment for similar contracts, it would undermine the utility model.

Q. WHAT DO YOU CONCLUDE REGARDING THE ALLOCATION OF THE NNG CAPACITY CONTRACT COSTS AMONG MERC RATEPAYERS?

A. I conclude that allocation of these costs across all NNG-PGA customers is a reasonable approach that is consistent with the public interest because the Precedent Agreement is structured to benefit customers across the NNG PGA. If the Commission were to determine the NNG capacity costs should be borne only by Rochester area customers, those customers' cost burden would outweigh the benefit they receive under the capacity contract because they would be subsidizing the benefits provided to other customers within the NNG PGA. Additionally, significant cost increases for Large Commercial and Industrial Customers in the Rochester area alone could pose the threat of fuel switching and bypass by some customers, thereby potentially increasing system costs to other customers.

E. Offsetting Revenues

Q. DOES MERC ANTICIPATE RECEIVING ANY CIAC REVENUES TO OFFSET SOME PORTION OF THE ROCHESTER PROJECT COSTS?

A. As I mentioned above, as a system integrity and reliability project, the Rochester Project is more akin to other infrastructure projects. Generally, utilities do not receive CIAC payments for upgrades to modernize distribution infrastructure. In addition, unlike a service extension project that has a particular customer or customer group in mind, this Project is increasing capacity and improving deliverability on the system overall. This is not the type of project where an identifiable new customer could contribute.

Q. HAS MERC CONSIDERED OTHER WAYS TO OBTAIN REVENUE TO OFFSET SOME OF THE COSTS OF THE ROCHESTER PROJECT?

A. Yes. MERC is pursuing funding from the DMCC.

Q. PLEASE DESCRIBE THE DMCC INITIATIVE.

A. Under the DMC statute, state infrastructure aid may be available to the City of Rochester based on the level of expenditures made by the Mayo Clinic and other private entities for construction projects that are (i) undertaken pursuant to the DMC Plan adopted by the DMCC, and (ii) physically located in the DMC economic development zones that are part of the DMC Plan. That potential aid becomes available after certain threshold spending targets have been met. Once that money becomes available, Rochester must spend it on public infrastructure projects, which are broadly defined as those projects identified in the DMC Plan that are financed in whole or in part with public money.

Q. WHAT IS THE DMC PLAN?

A. The DMC Plan is a statement of the DMCC's intention for proceeding to implement the improvements in Rochester necessary to implement the plan. According to the DMC web site, the Mission Statement of the DMCC is:

> With Mayo Clinic at its heart, the Destination Medical Center (DMC) initiative will be the catalyst to position Rochester, Minnesota as the world's premier destination center for health and wellness; attracting people, investment and jobs to America's City for Health and supporting the economic growth of Minnesota and its biosciences sector. [17]

With that goal in mind, the DMCC developed and adopted the DMC Plan. In summarizing the DMC Plan, it states:

> The Master Plan is intented (sic) to transform Rochester into a dynamic, urban center that integrates Mayo Clinic's medical campus with commercial, biomedical-research-technology, residential, retail-entertainment, hotel-hospitality, educational, recreational and cultural uses through a strategic network of streetscape, transportation, greenway and public space amenities. The primary concept of the DMC Master Plan is to create "places" that foster lasting experiences, create an active and attractive environment to drive visitation and act as catalysts to development and investment in support of realizing the goal of creating a global destination medical center.[18]

[17] http://.dmc.com

[18] http://dmc.mn/wp-content/plugins/pdf-viewer-for-wordpress/web/viewer.php?file=http://dmc.mn/wp-content/uploads/development-plan/Executive%20Summary.pdf (at Section 1.3).

Q. ARE THERE CURRENTLY FUNDS AVAILABLE FROM THE DMCC TO SUPPORT PROJECTS?

A. No. As of this time the required investment thresholds have not been met. As a result, it is my understanding that the DMCC has not provided funds to any projects. On April 1, 2016, the DMCC submitted a report to the State of Minnesota, stating that the initiative had not achieved the $200 million of private investment required to trigger the availability of public money. As of April 1, 2016, about $150 million has been invested so that eligibility for State funding has not yet been realized. I have attached a copy of that Report as Direct Exhibit __ (ASL-2).

Q. HOW DOES A PUBLIC OR PRIVATE ENTITY APPLY FOR FUNDING FROM THE DMC WHEN IT BECOMES AVAILABLE?

A. The DMC Plan includes an application process to apply for funding.

Q. HAS MERC MADE AN APPLICATION FOR FUNDING?

A. Yes. I have attached a copy of MERC's Application for Funding as Direct Exhibit __ (ASL-3). In that Application, MERC requests that the DMCC consider allocating $5 million of funds to offset some of the costs of the Rochester Project.

Q. DO YOU HAVE ANY CONCERNS ABOUT OBTAINING FUNDING UNDER THE DMC PLAN?

A. Yes. I am concerned that, under present circumstances, the MERC Rochester Project may not be eligible for funding from the DMCC. While we will continue to pursue funding, it is possible that statutory changes, or at least a change in the DMC Plan, may be required for the DMCC to consider providing funding for the Rochester Project.

Q. PLEASE EXPLAIN.

A. First, the Rochester Project is not explicitly identified in the DMC Plan, although public infrastructure is an element of the Plan. However, it may be that the MERC Rochester Project will not be classified as public infrastructure, since MERC is a private entity and not a governmental entity.

Second, the MERC Rochester Project is not located solely within the designated Medical Center Development District in downtown Rochester. Instead, MERC's upgrades will occur on the periphery of the City. Indeed, given the necessity to upgrade MERC's high-pressure distribution lines, the MERC Project is designed to be located outside of the core Rochester area it will serve.

Nevertheless, despite these possible limitations, MERC is pursuing funding under the existing DMC Plan.

Q. WILL MERC COMMIT TO MAKE REASONABLE EFFORTS TO PURSUE FUNDING FROM THE DMCC?

A. Yes, MERC will continue to follow the DMC initiative and pursue funds as they become available. Further, MERC commits that any funds we ultimately obtain from the DMCC will be applied to offset MERC's costs of the Rochester Project.

V. CONCLUSION

Q. PLEASE SUMMARIZE YOUR POSITION ON THE EXTENT TO WHICH THE COSTS OF THE ROCHESTER PROJECT, INCLUDING NNG CAPACITY COSTS, SHOULD BE BORNE BY ALL MERC RATEPAYERS.

A. I conclude that there is abundant factual, legal, and policy support to determine that MERC's Rochester Project is reasonable and that MERC took a prudent approach to undertake the Project. In my opinion, the costs proposed to be recovered by MERC and its customers are reasonable and should be eligible for recovery. Specifically, it is my opinion that the Project costs should be eligible for recovery through base rates and the NGEP Rider. Finally, in my opinion it is reasonable that all of the Phase II Project costs be recovered from all MERC ratepayers and that the NNG capacity costs related to the NNG transmission upgrades should be recovered from the entire NNG-PGA.

Q. DOES THIS COMPLETE YOUR DIRECT TESTIMONY IN SUPPORT OF THE ROCHESTER PROJECT?

A. Yes, it does.

NNG VS. ROCHESTER RATE COMPARISON

Calendar Year	Total MERC Distribution Rate	Total NNG PGA Rate	Total Rate (customer on NNG PGA)	Rochester Only Distribution Rate	Rochester Only PGA Rate	Rochester Only Total Rate	Annual Average Residential Customer Impact NNG PGA (867 therms)	Annual Average Residential Customer Impact Rochester Only (867 therms)	Difference
2016	$ 0.00011	$ -	$ 0.00011	$ 0.00079		$ 0.00079	$ 0.09	$ 0.68	$ 0.59
2017	$ 0.00027	$ -	$ 0.00027	$ 0.00191	$ -	$ 0.00191	$ 0.23	$ 1.65	$ 1.42
2018	$ 0.00175	$ 0.00324	$ 0.00498	$ 0.01218	$ 0.01312	$ 0.02529	$ 4.32	$ 21.93	$ 17.61
2019	$ 0.00313	$ 0.02230	$ 0.02543	$ 0.02155	$ 0.08986	$ 0.11141	$ 22.05	$ 96.59	$ 74.55
2020	$ 0.00379	$ 0.03709	$ 0.04088	$ 0.02581	$ 0.14910	$ 0.17491	$ 35.44	$ 151.64	$ 116.20
2021	$ 0.00457	$ 0.03688	$ 0.04146	$ 0.03071	$ 0.14665	$ 0.17736	$ 35.94	$ 153.77	$ 117.83
2022	$ 0.00522	$ 0.03652	$ 0.04174	$ 0.03463	$ 0.14415	$ 0.17877	$ 36.19	$ 155.00	$ 118.80
2023	$ 0.00538	$ 0.03615	$ 0.04154	$ 0.03523	$ 0.14161	$ 0.17684	$ 36.01	$ 153.32	$ 117.31
2024	$ 0.00458	$ 0.03564	$ 0.04022	$ 0.02962	$ 0.13906	$ 0.16868	$ 34.87	$ 146.25	$ 111.38
2025	$ 0.00381	$ 0.03541	$ 0.03922	$ 0.02427	$ 0.13650	$ 0.16077	$ 34.00	$ 139.39	$ 105.39

DISTRIBUTION RATE IMPACT -- NO PGA

Total Sales

Calendar Year	Residential	Small Commercial	Large Commercial	Interruptible	Transport	Total	Project Revenue Deficiency	Per Therm Increase	Annual Average Residential Customer Impact (867 therms)	Rider Impact (33 %)
2015	184,857,746	16,277,661	94,911,212	39,304,173	420,478,597	755,829,389				
2016	180,058,591	15,400,725	92,185,856	38,867,169	419,336,787	745,849,128	81,481	$ 0.00011	$ 0.09	
2017	181,355,952	15,390,801	91,884,493	38,706,144	420,181,708	747,519,098	201,038	$ 0.00027	$ 0.23	$ 0.08
2018	183,538,494	15,462,028	91,884,490	38,871,437	420,747,755	750,504,204	1,310,600	$ 0.00175	$ 1.51	$ 0.50
2019	185,831,010	15,536,790	91,884,490	38,962,623	421,050,270	753,265,183	2,359,549	$ 0.00313	$ 2.72	$ 0.91
2020	189,055,268	15,680,809	92,182,442	39,088,551	421,510,625	757,517,695	2,871,298	$ 0.00379	$ 3.29	$ 1.10
2021	190,720,756	15,692,795	91,884,490	39,283,772	421,725,375	759,307,188	3,473,581	$ 0.00457	$ 3.97	$ 1.32
2022	193,306,819	15,772,468	91,884,490	39,537,310	422,221,573	762,722,660	3,984,439	$ 0.00522	$ 4.53	$ 1.51
2023	195,980,466	15,852,578	91,884,490	39,774,459	422,686,511	766,178,504	4,125,365	$ 0.00538	$ 4.67	$ 1.56
2024	199,610,865	16,000,595	92,182,442	39,983,994	423,267,780	771,045,676	3,530,619	$ 0.00458	$ 3.97	$ 1.32
2025	201,571,550	16,011,644	91,884,490	40,123,880	423,376,934	772,968,498	2,945,676	$ 0.00381	$ 3.30	$ 1.10

Rochester Area Sales Only

Calendar Year	Residential	Small Commercial	Large Commercial	Interruptible	Transport	Total	Project Revenue Deficiency	Per Therm Increase	Annual Average Residential Customer Impact (867 therms)	Rider Impact (33 %)
2015	37,139,770	1,803,050	18,719,350	2,081,000	42,432,110	102,175,280				
2016	37,296,950	1,812,270	18,753,400	1,983,640	43,397,200	103,243,460	81,481	$ 0.00079	$ 0.68	
2017	37,859,050	1,836,610	18,902,860	2,042,230	44,861,070	105,501,820	201,038	$ 0.00191	$ 1.65	$ 0.55
2018	38,499,170	1,867,810	19,052,320	2,077,390	46,146,320	107,643,010	1,310,600	$ 0.01218	$ 10.56	$ 3.52
2019	39,210,090	1,902,470	19,201,770	2,098,490	47,094,900	109,507,720	2,359,549	$ 0.02155	$ 18.68	$ 6.23
2020	39,986,080	1,939,190	19,351,230	2,111,160	47,859,690	111,247,350	2,871,298	$ 0.02581	$ 22.38	$ 7.46
2021	40,822,380	1,977,340	19,500,690	2,118,750	48,675,920	113,095,080	3,473,581	$ 0.03071	$ 26.63	$ 8.88
2022	41,714,850	2,016,650	19,650,150	2,123,310	49,562,830	115,067,790	3,984,439	$ 0.03463	$ 30.02	$ 10.01
2023	42,659,740	2,056,920	19,799,600	2,126,050	50,456,550	117,098,860	4,125,365	$ 0.03523	$ 30.54	$ 10.18
2024	43,653,650	2,098,030	19,949,060	2,127,690	51,357,250	119,185,680	3,530,619	$ 0.02962	$ 25.68	$ 8.56
2025	44,693,390	2,139,890	20,098,520	2,128,680	52,291,120	121,351,600	2,945,676	$ 0.02427	$ 21.05	$ 7.02

Total Sales are from MERC's 2016 rate case sales forecast
Rochester only sales are from sales updated per Clabots 4/15 direct testimony

Per Therm Rate Calculation -- NNG PGA

Calendar Year	Rochester Expansion Capacity Cost	NNG Residential Sales	NNG Small C&I Sales	NNG Large C&I Sales	Albert Lea Residential Sales	Albert Lea Small C&I Sales	Albert Lea Large C&I Sales	Total NNG Pipeline General Service Sales	Per Therm Rate	Annual Average Residential Customer Impact (867 therms)
2017	$0	147,718,269	8,622,398	69,755,059	8,399,490	3,977,718	407,151	238,880,085	$ -	$ -
2018	$779,467	149,683,324	8,684,710	69,755,058	8,411,573	3,983,369	407,151	240,925,185	$ 0.00324	$ 2.81
2019	$5,420,031	151,757,672	8,749,679	69,755,058	8,423,886	3,989,159	407,151	243,082,605	$ 0.02230	$ 19.33
2020	$9,136,165	154,612,518	8,853,541	69,973,111	8,473,550	4,012,678	407,920	246,333,318	$ 0.03709	$ 32.16
2021	$9,136,165	156,211,257	8,885,417	69,755,058	8,448,284	4,000,786	407,151	247,707,953	$ 0.03688	$ 31.98
2022	$9,136,165	158,579,662	8,955,088	69,755,058	8,460,059	4,006,385	407,151	250,163,403	$ 0.03652	$ 31.66
2023	$9,136,165	161,035,739	9,025,215	69,755,058	8,471,747	4,011,948	407,151	252,706,858	$ 0.03615	$ 31.34
2024	$9,136,165	164,293,883	9,133,179	69,973,111	8,520,615	4,035,134	407,920	256,363,842	$ 0.03564	$ 30.90
2025	$9,136,165	166,192,298	9,164,587	69,755,058	8,494,504	4,022,794	407,151	258,036,392	$ 0.03541	$ 30.70

Per Therm Rate Calculation -- Rochester Only Sales

Calendar Year	Rochester Expansion Capacity Cost	Residential Sales	Small C&I Sales	Large C&I Sales	Total Rochester General Service Sales	Per Therm Rate	Annual Average Residential Customer Impact (867 therms)
2017	$0	37,859,050	1,836,610	18,902,860	58,598,520	$ -	$ -
2018	$779,467	38,499,170	1,867,810	19,052,320	59,419,300	$ 0.01312	$ 11.37
2019	$5,420,031	39,210,090	1,902,470	19,201,770	60,314,330	$ 0.08986	$ 77.91
2020	$9,136,165	39,986,080	1,939,190	19,351,230	61,276,500	$ 0.14910	$ 129.27
2021	$9,136,165	40,822,380	1,977,340	19,500,690	62,300,410	$ 0.14665	$ 127.14
2022	$9,136,165	41,714,850	2,016,650	19,650,150	63,381,650	$ 0.14415	$ 124.97
2023	$9,136,165	42,659,740	2,056,920	19,799,600	64,516,260	$ 0.14161	$ 122.78
2024	$9,136,165	43,653,650	2,098,030	19,949,060	65,700,740	$ 0.13906	$ 120.56
2025	$9,136,165	44,693,390	2,139,890	20,098,520	66,931,800	$ 0.13650	$ 118.35

Certification of Expenditures
Destination Medical Center

For Calendar Year 2015

Due to Commissioner of Employment and Economic Development (DEED) by April 1

Pursuant to Minnesota Statutes, Section 469.47, the Medical Business Entity and the Destination Medical Center Corporation (DMCC) Board of Directors (assisted by the City of Rochester) respectively submit to the Department of Employment and Economic Development (DEED) the following expenditures that relate to the Destination Medical Center (DMC) Development for the calendar year 2015, and the information required to support the approved methodology provided in the City of Rochester/Commissioner of Employment and Economic Development State Infrastructure Aid Agreement (State Infrastructure Aid Agreement).

Expenditures Reported This Year

Total Expenditure Reported This Year by Medical Business Entity[1]	$85,708,731
Total Expenditure Reported This Year for individuals and other private entities[1,2]	$20,487,686
TOTAL Expenditures This Year	$106,196,417

Cumulative Expenditures

Cumulative Previous Expenditures	$46,210,615
Previous Qualified Expenditures (minus $200,000,000 Required Initial Investment)	($153,789,385)
TOTAL Expenditures This Year (from above)	$106,196,417
Cumulative Qualified Expenditures as of 12/31/15	($47,592,968)

State Aid Qualified for this Year (local government match also required)

General State Infrastructure Aid Qualified for (Cum. Qual. Exp. multiplied by .0275)	
State Transit Aid Qualified for (multiplied by .0075)	

By providing my signature below, I certify that the information state herein, to the best of my knowledge, is accurate, true, and complies with the provisions of Minnesota Statutes, Section 469.47 and the approved methodology as outlined in the State Infrastructure Aid Agreement.

For Expenditures by the Medical Business Entity:

_____ _____

Mayo Clinic Chief Financial Officer Date

For all other Expenditures:

_____ _____

Destination Medical Center Corporation Date

1 Expenditures need to be after June 30, 2013

2 Private expenditures for the period of July 1, 2013 - December 31, 2015, after adoption of the Development Plan. Certain additional expenditures for this time period are currently under discussion with DEED, and may be included in the certification for calender year 2016.

Minnesota Energy Resources Corporation
Suite 200
1995 Rahncliff Court
Eagan, MN 55122
www.minnesotaenergyresources.com

April 15, 2016

Destination Medical Center Corporation
c/o DMC EDA Office
195 South Broadway
Rochester, MN 55902
Attn: Mitchell Abeln

RE: Application for Funding for the Rochester Natural Gas Extension Project

Dear Mr. Abeln:

Enclosed is an application for funding from the Destination Medical Center Corporation (DMCC) and the City of Rochester by Minnesota Energy Resources Corporation for the Rochester Natural Gas Extension Project (Project). Minnesota Energy Resources respectfully requests consideration of funding in the amount of five million dollars ($5,000,000) to offset the costs of certain aspects of the Project and the necessary expansion of the natural gas system in and around the City of Rochester to support current and projected future customer demands.

Minnesota Energy Resources is the sole provider of natural gas services to Rochester and the surrounding local communities. Rochester has experienced continued population growth over the last eight years and is poised to continue robust and even accelerating growth, in large part due to the expanding health care facilities associated with transforming the Mayo Clinic into a Destination Medical Center (DMC). As a result of this growth, the natural gas transmission pipeline and distribution systems in the Rochester area are operating at capacity and Minnesota Energy Resources' ability to provide firm and reliable natural gas service to new and existing customers is limited.

A critical component of the success of the DMC is adequate utility infrastructure to support the anticipated economic and population growth that the development of the DMC will spur in Rochester and the surrounding areas. Minnesota Energy Resources forecasts that the customer demand growth will increase our customer base in the Rochester area by approximately 20 percent over the next ten years. The proposed Project will expand the capacity of the natural gas distribution system in and around Rochester and will enable it to meet the needs of both its existing and new customers.

Through the Rochester Project, Minnesota Energy Resources and its customers are investing approximately $100 million to upgrade the natural gas infrastructure to provide additional natural gas capacity to facilitate anticipated residential and

commercial growth in and around Rochester. The Rochester Project is proceeding in two phases. In Phase I, Minnesota Energy Resources implemented $5.6 million of upgrades to the Rochester distribution system and in Phase II, Minnesota Energy Resources will implement an additional $44 million of system upgrades around Rochester to improve service to this growing community. In addition, upgrades to the Northern Natural Gas interstate pipeline into Rochester will require another approximately $60 million of capital investment. The $5 million funding requested from the DMCC represents only five percent of the overall cost being borne by Minnesota Energy Resources' customers.

Minnesota Energy Resources will pay the application fee to cover estimated administrative costs of the evaluation process for its application once this fee is determined by the DMCC and the City of Rochester.

A. The Rochester Natural Gas Pipeline Project

To meet the projected increase in demand for natural gas in and around Rochester, the capacity of both the interstate transmission pipeline system in the Rochester area and Minnesota Energy Resources' Rochester distribution system must be expanded. There are two primary reasons why the Minnesota Energy Resources system needs to be expanded to support the growth envisioned by the DMC plan.

First, to meet the increasing customer demands for natural gas, there must be transmission pipeline upgrades to increase the availability of natural gas to Minnesota Energy Resources' distribution system. Northern Natural Gas is the sole existing provider of interstate natural gas pipeline capacity to the Rochester area. To provide the necessary firm capacity, Northern Natural Gas will increase the capacity of its interstate pipeline transmission system in Southeastern Minnesota pursuant to a new long-term capacity contract that will ensure adequate gas capacity in the Rochester area for the next 25 years or more. The contract commits Northern Natural Gas to making the infrastructure upgrades necessary to provide Minnesota Energy Resources natural gas at volumes sufficient to meet the projected growth in demand. Northern Natural Gas' estimated capital investment for its work is approximately $60 million.

Second, to accommodate the capacity increase from Northern Natural Gas, Minnesota Energy Resources' distribution system must be upgraded and expanded to allow gas to be efficiently delivered to Rochester area customers. These upgrades and expansions will be completed in phases. Phase I of the Project involved modernizing and standardizing Minnesota Energy Resources' fractionated distribution system in the Rochester area. Phase I was substantially completed in 2015 at a cost of $5.6 million.

Phase II of the Project includes a 14-mile long main distribution pipeline that connects a rebuilt Town Border Station (TBS) in northwest Rochester to a new TBS in west Rochester to a new district regulator station in southeast Rochester. The cost of Phase II is estimated to be $44 million, and begins in 2017 with a projected completion

date of 2022. A figure illustrating the components and location of Phase II of the Project is included with the application.

Minnesota Energy Resources will use any funds from the DMCC or the City of Rochester to offset Project construction costs. This is analogous to a new gas utility customer making a "contribution in aid of construction" or "CIAC" to contribute to the cost of a utility construction project. A CIAC-type payment by the DMCC and City of Rochester is appropriate in this circumstance as Minnesota Energy Resources' work on the system will facilitate the expansion of the system to accommodate the growth envisioned by the DMC Plan.

Minnesota Energy Resources recognizes that the proposed Project is not explicitly included in the current DMC Development Plan and that most of the proposed new facilities are not located within one of the six DMC Development Districts. While Phase I was work inside Rochester, it generally was not located within the Development Districts. And Phase II is work generally outside of Rochester, although it is expressly designed to benefit Rochester. Nevertheless, these infrastructure improvements are essential to ensure that adequate firm natural gas service can be made available to the developers who will be constructing office buildings, residential buildings, medical facilities, and associated infrastructure within the DMC Development Districts. Thus, to the extent deemed necessary, Minnesota Energy Resources respectfully requests an amendment to the DMC Plan and the DMC Development Districts pursuant to Minn. Stat. § 469.43, subd. 4, to allow DMCC and the City of Rochester to assist with funding for this important public infrastructure project.

B. Application for Public Infrastructure Funding

Attached to this letter is Minnesota Energy Resources' Application for Public Infrastructure Funding which provides additional information about Minnesota Energy Resources' proposed Project. This Application utilizes the form provided in Appendix 11 of the DMC Development Plan.

C. Evaluation Criteria

In addition to the application and required supporting documentation, Section 3 of the DMC Development Plan provides a list of evaluation criteria that will be used by the DMCC and the City of Rochester in assessing whether to fund public infrastructure projects. Listed below are the six evaluation criteria outlined in Section 3 and a brief explanation of how the proposed Project meets the specified criteria.

(1) Does the project include a plan for achieving the DMC vision, goals, and objectives?

Yes.

As stated above, the success of the DMC depends on adequate infrastructure to support the robust growth that Rochester and the DMCC is predicting to arise out of the

DMC Plan. Minnesota Energy Resources' Rochester Natural Gas Extension Project is precisely the type of infrastructure that will be critical to the long-term success of the initiative.

Without the additional distribution capacity provided by the Project, Minnesota Energy Resources cannot meet the growth in demand for natural gas from existing or new customers in the Rochester area. The Project will ensure that upgraded and new facilities are in place to meet the growth in the demand that will result from the development of the DMC.

(2) Does the project include a plan for achieving consistency with the Development Plan (and any updates thereto) and other relevant planning documents?

Yes.

The project is consistent with the DMC Development Plan in that it provides the necessary natural gas infrastructure to support growth and continued investment in the DMC Development Districts as well as Rochester and the surrounding communities.

(3) Does the project include a plan that is financially viable?

Yes.

Minnesota Energy Resources, an operating subsidiary of WEC Energy Group, Inc., is a public utility under the jurisdiction of the Minnesota Public Utilities Commission. Minnesota Energy Resources has been providing natural gas service for over 80 years and currently serves approximately 230,000 customers in 184 communities across Minnesota. Minnesota Energy Resources is the sole natural gas utility in Rochester and many of the surrounding communities.

Minnesota Energy Resources' utility rates and practices are closely monitored and Minnesota Energy Resources operates in a fiscally responsible manner consistent with all utility accounting and service requirements. Minnesota Energy Resources will construct, own, and operate the proposed natural gas distribution upgrades. Minnesota Energy Resources is an investor-owned utility headquartered in Eagan, Minnesota. Minnesota Energy Resources' parent corporation is WEC Energy Group, Inc. from Milwaukee, Wisconsin. The WEC Energy Group utilities collectively serve 4.4 million electric and gas customers in Minnesota, Wisconsin, Illinois, and Michigan.

(4) Is the project consistent with the adopted strategies and/or one or more projects for the current implementation phase of the DMC Initiative?

Yes.

The project is a needed infrastructure project that will provide the backbone support for future development in and around Rochester. Minnesota Energy Resources' proposed Project and the DMC funding we seek is fully consistent with the DMCC's adopted strategies and is a necessary element to the success of many of the projects being contemplated by the DMC initiative.

For example, there are a number of new real estate developments being launched in and around the downtown area. It was recently announced that a $138 million project on the southeast corner of Broadway and Center Street is about to begin construction. This project will include a hotel to accommodate visitors to the City and Mayo Clinic, as well as significant retail space. This new space will require the availability of significant natural gas utility service.

In addition, a number of the older buildings in downtown Rochester are scheduled to be rehabilitated or replaced. There are plans to reuse the historic Chateau Theatre and a number of the older retail buildings, such as the former Michael's Restaurant, are slated to be rehabilitated and potentially expanded. This new and revitalized commercial and hotel development will all require the availability of significant natural gas utility service.

Yet another example is the proposed construction of a waterfront district near the Zumbro River. That project will include residential and retail space, much of which will be dependent upon reliable and adequate natural gas service.

Finally, the DMC Plan states that the initiative is projected to create 35,000 to 45,000 jobs over the next 20 years. Most of those jobs will occur within Minnesota Energy Resources' service territory. And many of the new employees will live in and around Rochester in the communities served by Minnesota Energy Resources.

All of this new activity will be heavily dependent upon having adequate and reliable natural gas service. Minnesota Energy Resources is well-positioned to assist the DMCC in achieving its goals by ensuring that adequate natural gas service is available to meet the heightened demand that will result from the success of the DMC initiative.

(5) Does the project include a plan for achieving Local Business, S/M/WBE Project Requirements and other project requirements?

Minnesota Energy Resources is a strong proponent of local economic development as a healthy local economy translates into a healthy gas utility. Minnesota Energy Resources generally bids out construction projects and anticipates continuing this practice when implementing the Rochester Project.

(6) Does the project include a plan to comply with or support the economic-fiscal goals and objectives of the DMC Initiative?

Yes.

The proposed Project will provide economic benefits to Rochester and the surrounding area. Economic benefits to the local economy will be realized during construction of the Project due to the influx of labor workforce and procurement of construction-related materials and supplies. These benefits will include material expenditures, workforce lodging, fuel sales, grocery sales, and restaurant expenditures. Additional local economic benefits include easement payments, permit fees, and property tax revenues. Also, construction of the Project will create temporary jobs for both local and non-local workers.

D. Conclusion

Minnesota Energy Resources respectfully requests that the DMCC review the enclosed application and supporting information and approve this Project for funding of five million dollars ($5,000,000) from DMC funds. The additional natural gas capacity provided by this Project is necessary infrastructure to meet the needs of existing customers in the Rochester area and the new customers that are anticipated as a result of development of the DMC. If you have any questions, please don't hesitate to contact me at 651-322-8903.

Sincerely yours,

David G. Kult
Vice President, Operations
Minnesota Energy Resources Corporation

Enclosures

DMC
A Global Destination for Health & Healing

APPLICATION FOR FUNDING OF PUBLIC INFRASTRUCTURE PROJECT

Return to: Destination Medical Center Corporation
c/o Destination Medical Center Economic Development Agency

General Information

Name of Applicant:	Address:
Minnesota Energy Resources Corporation (MERC)	1995 Rahncliff Court, Suite 200, Eagan, MN 55122

Contact Person

Name:		Title:
Amber Lee		Regulatory and Legislative Affairs Manager
Tel #: 651-322-8965	Fax #: 920-272-4000	Email: aslee@minnesotaenergyresources.com

Type of Entity (check one)

☒ Corporation ☐ Partnership ☐ Sole Proprietorship ☐ Public Entity

State of Incorporation or Organization: Delaware

Nature of Business (attached additional materials, if available):
MERC delivers natural gas to 231,000 customers in 184 communities across Minnesota, including Rochester.

Project Team / Consultants

Architectural Firm:		**Engineering Firm:**	
Contact Person: N/A		Contact Person: Lindsay Lyle	
Address:		Address: 1995 Rahncliff Court, Suite 200, Eagan, MN 55122	
Tel #:	Fax #:	Tel #: 651-322-8909	Fax #: 920-272-4000
Email:		Email: lklyle@minnesotaenergyresources.,com	
General Contractor: Not yet selected.		**Legal Counsel:** Briggs and Morgan, P.A.	
Contact Person: MERC will select a General Contractor based on a competitive bid process.		Contact Person: Michael Krikava	
Address:		Address: 2200 IDS Center, 80 South 8th Street, Minneapolis, MN 55402	
Tel #:	Fax #:	Tel #: 612-977-8566	Fax #: 612-977-8650
Email:		Email: mkrikava@briggs.com	
Accounting Firm:		**Financial Adviser:** N/A	
Contact Person: Seth DeMerrit		Contact Person:	
Address: 700 North Adams Street, P.O. Box 19001, Green Bay, WI 54307-9001		Address:	
Tel #: 920-433-2926	Fax #:	Tel #:	Fax #:
Email: ssdemerritt@integrysgroup.com		Email:	

Marketing Consultant:	
Contact Person: Amber Lee	
Address: 1995 Rahncliff Court, Suite 200, Eagan, MN 55122	
Tel #: 651-322-8965	Fax #: 920-272-4000
Email: aslee@minnesotaenergyresources.com	

Project Information

Name of Project: Rochester Natural Gas Pipeline Project

Location/Address: See Exhibit A.

1. Location

Attach (and label Exhibit A) information which fully describes and illustrates the location and boundaries of the proposed project. Include map(s), legal description(s), property identification numbers, addresses and area (in sq. ft. or acres).

The location of the Project is shown on Exhibit A.

2. Ownership and Legal Structure

Attach (and label Exhibit B) the full name(s) of the entity(s) which will own the project, and fully describe their legal structure (i.e. principals, ownership interests, liability, relationship to parent organization, subsidiaries, etc). If available provide federal and state tax ID #s.

3. Zoning and Planning Analysis

Attach (and label Exhibit C) information which describes the current and proposed zoning, variances required, property consolidations or subdivisions, etc.

4. Estimated Project Costs:

Land Acquisition	$
Site Development	
Building Cost	
Equipment	
Architectural/Engineering Fees	
Legal Fees	
Financing Costs	
Broker Costs	
Contingencies	
Other (specify)	
Total Costs	$ See Exhibit E

5. Sources of Financing

Developer Equity	$
Bank Loan/Private Financing Institution	
Public Infrastructure Funding	
Other	See Exhibit E
Total Sources	

6. Market Value

Total current market value prior to construction: $

Total estimated market value at completion: $ 100 million

What will the estimated real estate taxes of the project be upon completion? Please respond and include your calculations on the lines provided below:

Requested Funding

Amount of requested DMC Funds: $5 million

Purpose of requested DMC Funds: To construct the Rochester Natural Gas Pipeline Project.

If DMC Funds are not provided, will the project (1) proceed as previously described utilizing other financing, (2) proceed in some alternative form, or (3) not proceed at all? If project will proceed in some alternative form, provide a summary below: MERC is a rate regulated public utility. It receives funds from its ratepayers in the form of utility rates and applies those funds to the work the utility undertakes.

Other requested public financial assistance (federal, state or local): To the extent that MERC needs to finance major capital projects, it typically places private financing. At this time, MERC has not determined whether or how it will finance the Rochester Project.

Project Construction Schedule

Anticipated Construction Start Date: 2016

Construction Completion Date: 2023

If a phased project:

Phase Designation	% Completed	By Year
Rebuild of TBS 1D	100	2017
TBS 1 to TBS pipeline	100	2019
TBS to DRS pipeline	100	2022

Describe expected general traffic impacts of the project, including (but not limited to) on and off street parking, projected auto/truck counts, traffic flow, peak traffic periods, etc. There will be very limited traffic impacts due to this project. Any road crossings will be constructed via boring and any open excavations will be completed during the night hours and re-filled during the day. MERC will abide by all Minnesota Department of Transportation requirements and other permit requirements.

Current and Projected Employment

Indicate below how many new jobs will be **created** by the project:

Type	Number of Jobs Created	Average Hourly Wage	Benefits
Professional/Managerial	FT: 0	$	
	PT: 0	$	
Technical/Skilled	FT: 0	$	
	PT: 0	$	
Unskilled/Semi-skilled	FT: 0	$	
	PT: 0	$	

Indicate below how many existing jobs will be **retained** by the project:

Type	Number of Jobs Created	Average Hourly Wage	Benefits
Professional/Managerial	FT: 0	$	
	PT: 0	$	
Technical/Skilled	FT: 0	$	
	PT: 0	$	
Unskilled/Semi-skilled	FT: 0	$	
	PT: 0	$	

Financial Information

Have "you" personally, or your entity or any entities managed or controlled by you ever filed for bankruptcy?

☐ YES ☐ NO If yes, provide details on separate sheet.

Have "you" personally, or your entity or any entities managed or controlled by you ever defaulted on any bond or mortgage commitment?

☐ YES ☐ NO If yes, provide details on separate sheet.

Have you applied for conventional financing for the project?

☐ YES ☒ NO If no, explain why; if yes, provide details on a separate sheet.

MERC is a rate regulated public utility. It receives funds from its ratepayers in the form of utility rates and applies those funds to the work the utility undertakes. To the extent that MERC needs to finance major capital projects, it typically places private financing. At this time, MERC has not determined whether or how it will finance the Rochester Project.

List financial references (include contact person and phone #)

Reference	Phone Number
N/A	

Additional Project Information Required for Application *[if necessary]*

1. Description

   Attach (and label as **Exhibit D**) a complete description of the proposed project. If the project will proceed in phases, then provide information for each phase as well as the total project. Minimally, provide the following information:

   a. Do you have control of the project site? Explain in detail.
   b. Details of all known or suspected environmental issues with the site. Has any testing been completed or is underway?
   c. Type of project (retail, office, industrial, rental housing, home ownership, etc.)
   d. New construction or rehabilitation/renovation. If renovation, provide details.
   e. Description of structure which will need to be demolished.
   f. Description of owners/tenants who will need to be relocated.
   g. Details of any historic preservation designations and/or related issues.
   h. For commercial/industrial:
      - Number and size of structures (sq.ft.)
      - Type of construction and materials
      - Terms of sale (if applicable)
      - Details/terms of signed leases (rates, duration, etc.)
      - Projected terms for space not currently under lease
      - Details of any market studies completed or underway
   i. For ownership housing:
      - Type, number and size of units (sq. ft. & number of bedrooms)
      - Type of construction and materials
      - Anticipated sales price
      - Details of any market studies completed or underway
   j. For rental housing:
      - Type and size of building (# of floors, units, etc.)
      - Type of construction and materials
      - Size of units (sq. ft.) and number of bedrooms
      - Description of building/unit amenities
      - List of utilities included in rent
      - Monthly rental rates by unit type
      - Details of any market studies completed or underway

2. Development Budget (Sources and Uses) – During Construction Period

   Attach (and label as **Exhibit E**) a complete development budget for construction of the project. This budget should include a detailed listing of all sources and uses of funds.

   For each "use" of funds, indicate the methodology or means by which this estimated cost was derived (i.e. appraisal, contractor estimate, 4% of hard costs, actual cost, etc.)

   For each "source" of funds (debt, equity, public assistance, etc.), indicate the status of the funding source (committed, pending, projected, etc.), and the actual or anticipated financing terms/details.

3. Development Budget (Sources and Uses) – Permanent Financing

   If ownership of the project is being retained by the applicant (or affiliate or subsidiary) and permanent financing will be obtained, attach (and label as **Exhibit E-1**) a complete development budget upon permanent financing.

4. Operating Cash Flow Proforma (10 year)

   If ownership of the project is being retained by the applicant (or affiliate or subsidiary), attach (and label as **Exhibit E-2**) a projected 10-year operating cash flow proforma for the project. The proforma should clearly identify all assumptions, and should provide a detailed listing of all anticipated revenues, expenses, capital contributions/distributions, etc. The cash flow should clearly identify "Net Operating Income (NOI), "Cash Flow Before Taxes (CFBT)" and "Cash Flow After Taxes (CFAT)."

5. Payment of Application Fee ($ TBD. See letter.)

6. Signed authorization allows DMCC to check background of personnel involved in project.

Applicant Signature

The undersigned certifies that the above information is true and correct to the best knowledge of the undersigned:

The undersigned acknowledges and agrees that the $ TBD application fee associated with this request for public infrastructure funding is nonrefundable.

Signature: _____ Date: April 15, 2016

Name and Title: Regulatory and Legislative Affairs Manager

FOR DMMC USE ONLY

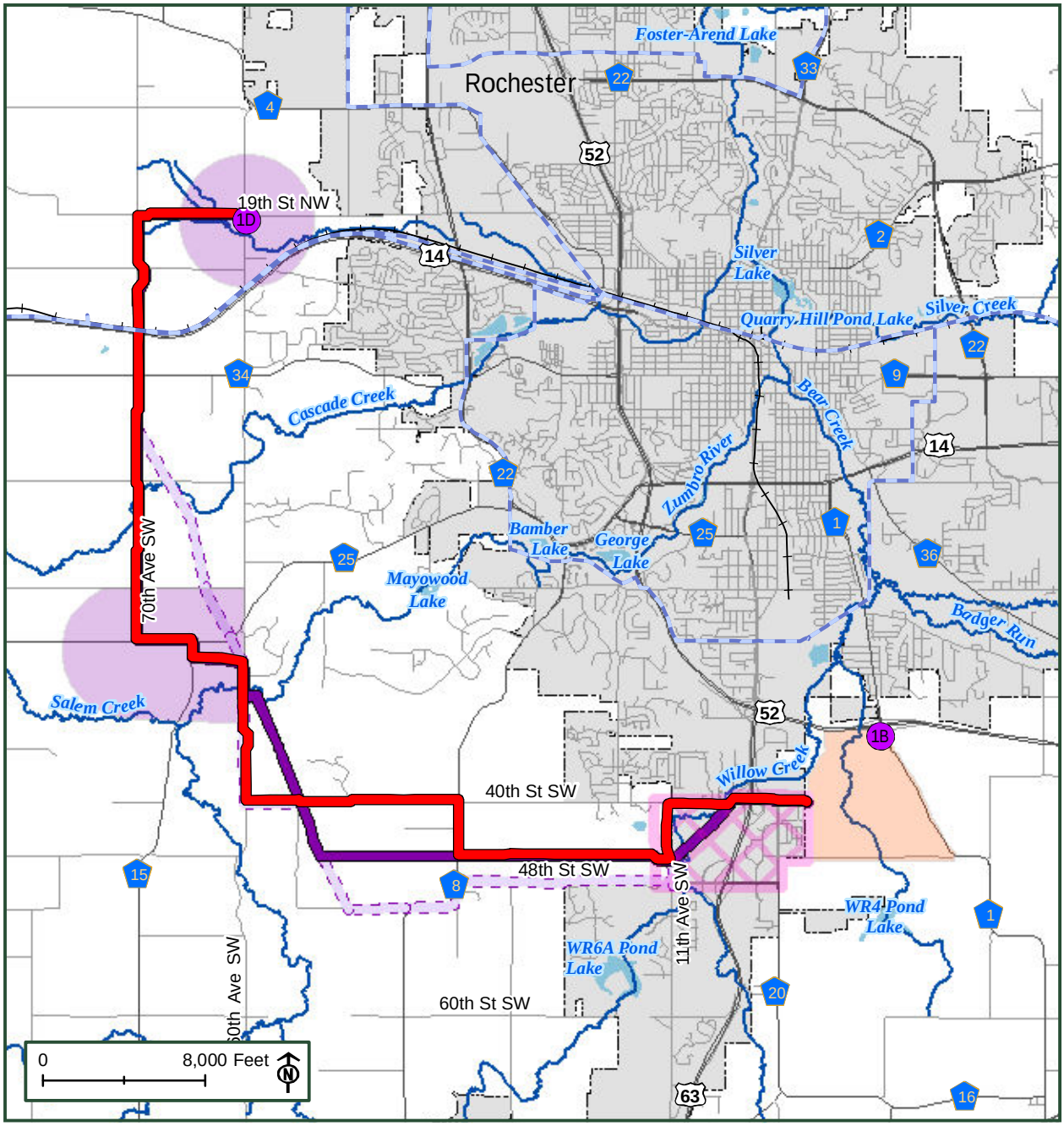
Complete application received: _____/_____/_____Staff Initials: _____

Non-Refundable Application Fee Paid: _____/_____/_____Check #: _____

Project Location

MINNESOTA ENERGY RESOURCES

Modified Preferred Route Overview



Legend

- Modified Preferred Route
- Preferred Route (Application)
- Alternate Route
- Town Border Station (TBS)
- Route Alternative Buffer
- Proposed Town Border Station & Route Buffer
- Proposed District Regulator Station & Route Buffer
- PWI Stream
- Waterbody/NWI Wetland
- City / Township Boundary
- Railroad
- 161kV AC Transmission Line
- Road
- US / State / County Highway

*Buffer distance is 1.25 miles

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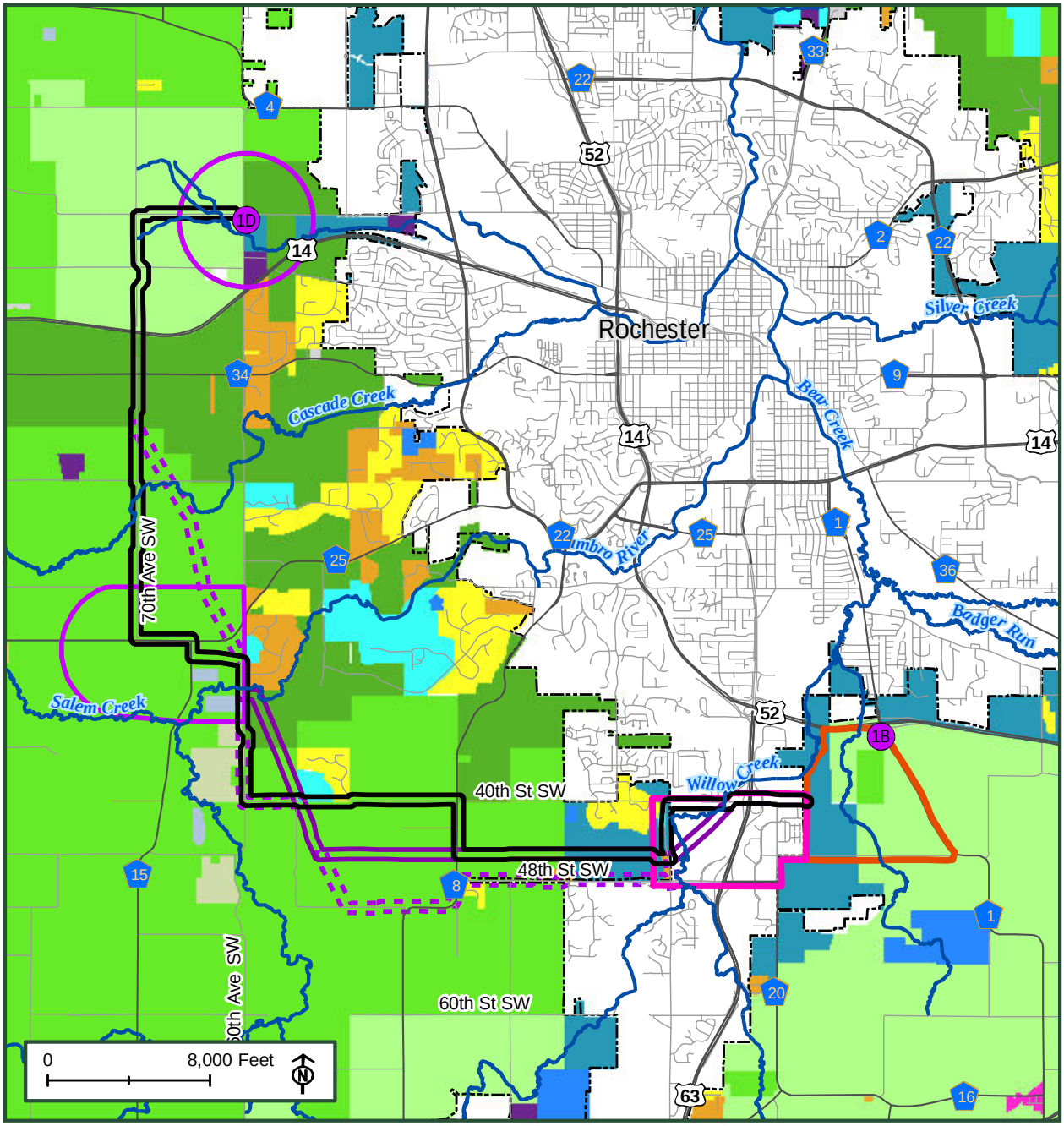
Ownership and Legal Structure

Minnesota Energy Resources Corporation ("MERC") is a Minnesota corporation that acts as the natural gas public utility in Rochester and in many of the surrounding communities. MERC will own, construct, and operate the proposed natural gas pipeline. MERC is subsidiary of WEC Energy Group, Inc. ("WEC"), a utility holding company headquartered in Milwaukee, Wisconsin. WEC's operating public utility subsidiaries provide electric and natural gas service to approximately 4.4 million customers over four states, including MERC's approximately 230,000 customers in Minnesota.

Zoning and Planning Maps

Olmsted County Zoning



Legend

- Town Border Station (TBS)
- Modified Preferred Route
- Preferred Route (Application)
- Route Alternative
- Route Alternative Buffer
- Proposed Town Border Station & Route Buffer
- Proposed District Regulator Station & Route Buffer
- PWI Stream
- City of Rochester

Olmsted County Zoning

A/RC AER	A3	HC	R2	RSD
A1	A4	I	RA	SD
A2	AgRM	R1	RC	

*Buffer distance is 1.25 miles

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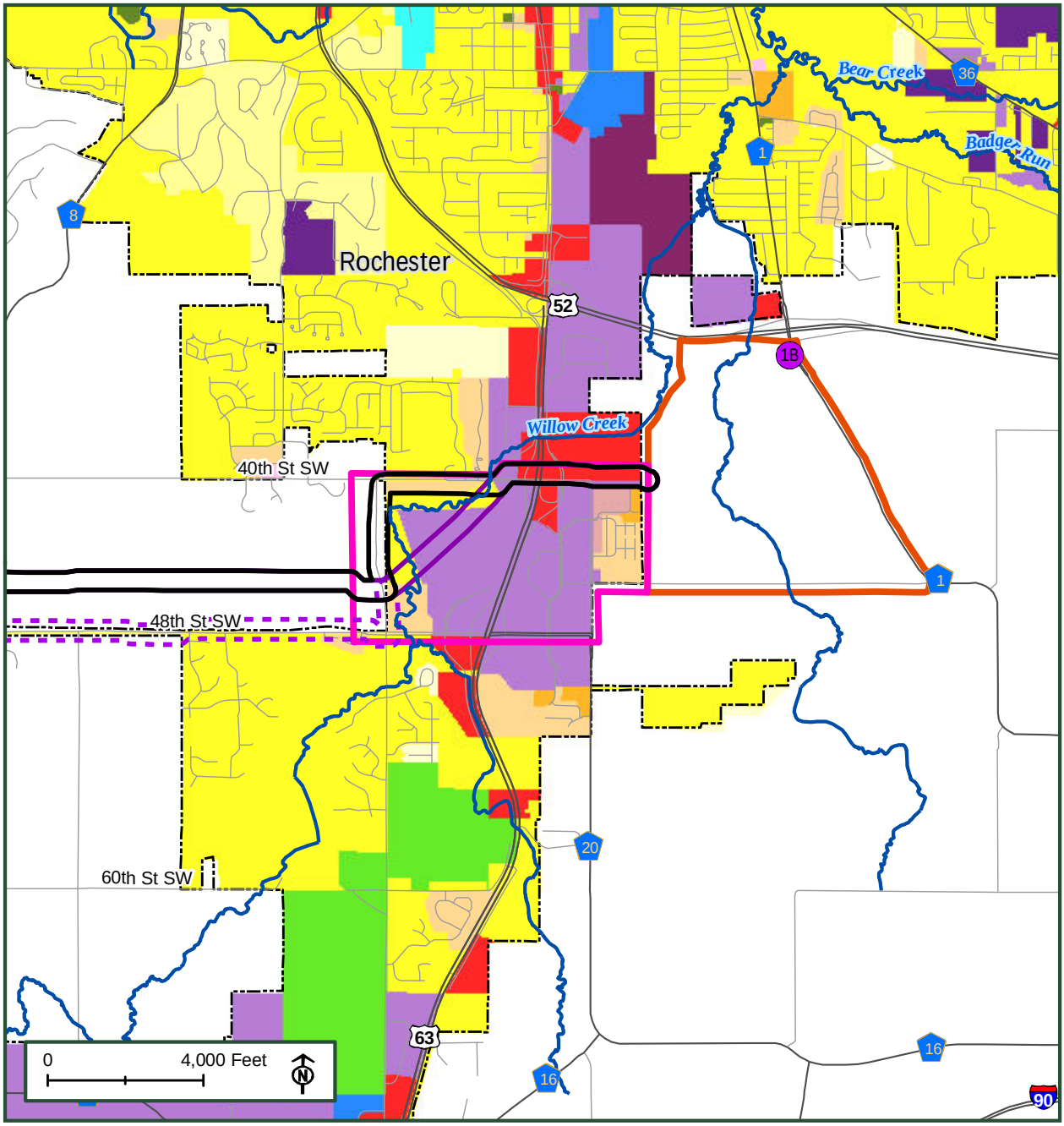
MINNESOTA ENERGY RESOURCES

Rochester Zoning



Legend

- Town Border Station (TBS)
- Modified Preferred Route
- Preferred Route (Application)
- Route Alternative
- Route Alternative Buffer
- Proposed District Regulator Station & Route Buffer
- PWI Stream
- City of Rochester

Rochester Zoning

AG	B5	M1	R-Sa	R2
B1	H	M2	R1	R3
B4	I	PUD	R1X	SD

*Buffer distance is 1.25 miles

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Brief Description of the Proposed Project

1. **General Location:** See Exhibit A.

2. **Planned use and purpose:** The Project will expand the capacity of MERC's distribution system in and around the City of Rochester, which currently is at capacity. The Project will enable MERC to meet the projected increase in demand from its existing Rochester area customers, as well as from new customers who will be added to MERC's system as the result of the efforts to develop the Mayo Clinic as a Destination Medical Center. The Project consists of a high pressure (500 psig) distribution line linking TBS 1D, Proposed TBS, and Proposed DRS. See Figure 3 for location of the proposed phases.

3. **Planned in-service date:** The rebuild of TBS 1D is expected to be completed by the end of 2017, and the 16-inch diameter pipeline from TBS 1D to Proposed TBS is expected to be completed by the end of 2019. The 12-inch pipeline from Proposed TBS to Proposed DRS is expected to be completed by the end of 2022.

4. **General design and operational specifications for the type of pipeline for which an application is submitted:** The Project will include installation of approximately 26,900 feet (5.1 miles) of 16—inch-wide main (0.375 inch wall thickness (wt), X-60[1]) and approximately 42,250 feet (8.0 miles) of 12—inch-wide steel distribution pipe (0.375 inch wt, X-52) for a total of approximately 13.1 miles of pipeline.

[1] "X-60" refers to the grade of the pipe having a specified minimum yield strength of 60,000 psi.

Project Costs

The Rochester project is broken down into two phases. Phase I ($5.6 million of system improvements to MERC's delivery system in the Rochester area) has already been installed and recovery of those costs is included in MERC's current rate case, Docket G-011/GR-15-736. Phase II is the subject of this proceeding and is an approximately $44 million investment.

Phase I

Phase I has been completed. It involved modernizing, standardizing, and interconnecting portions of MERC's district regulator stations ("DRS") and piping within the city of Rochester. This will enable MERC to more efficiently and effectively balance the flow of natural gas on this low-pressure distribution system. Phase I was completed in late 2015 at a cost of $5.6 million.

Phase II

Phase II involves upgrading the TBS system serving the city. This includes (i) rebuilding one of MERC's two existing TBSs in Rochester; (ii) adding a new TBS and high pressure DRS to the system; and (iii) connecting the rebuilt TBS, New TBS, and New DRS with high pressure pipe to tie together the northern and southern portions of the existing TBS system. A breakdown of the costs for Phase II follow:

Table 2 – Rochester Gas Extension Project Construction Activities and Costs

Year	Cost	Activities
2014	$ 127,000	Initial Environmental Review and Consultant Contract
2015	$ 237,000	Regulatory Review (Rider Petition and Route Permit)
2016	$ 636,000	Engineering & design for TBS 1D and 5 miles of pipe to New TBS, route surveys
2017	$ 6,019,383	Surveys, easement acquisition, construction of TBS 1D, engineering & design
2018	$ 11,252,457	Survey, engineering & design, construction of pipe from TBS 1D to New TBS
2019	$ 5,475,520	Survey, engineering & design, construction of New TBS
2020	$ 6,950,442	Survey, engineering & design, construction of first segment of pipe from New TBS to New DRS
2021	$ 6,423,642	Survey, engineering & design, construction of second segment of pipe from New TBS to New DRS

Year	Cost	Activities
2022	$ 6,833,562	Survey, engineering & design, construction of last segment of pipe from New TBS to New DRS
2023	$ 51,600	Project close-out
Total	**$ 44,006,607**	

Direct Testimony and Schedules
David W. Clabots

Before the Office of Administrative Hearings
600 North Robert Street
St. Paul, Minnesota 55101

For the Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, Minnesota 55101

In the Matter of a Petition by Minnesota Energy Resources Corporation for Evaluation and Approval of Rider Recovery for Its Rochester Natural Gas Extension Project

MPUC Docket No. G011/M-15-895
OAH Docket No. 68-2500-33191
Exhibit _____

Direct Testimony

Forecast

April 15, 2016

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I. INTRODUCTION

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is David W. Clabots. My business address is WEC Business Services, Inc. ("WBS") 700 North Adams Street, P.O. Box 19001, Green Bay, WI 54307-9001.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT POSITION?

A. I am employed by WBS, the service company that provides service to Minnesota Energy Resources Corporation ("MERC" or the "Company"). My role with MERC is to provide forecasting services to aid MERC in financial planning, rate cases and in planning system operations and additions. MERC is a public utility subsidiary of WEC Energy Group, Inc. ("WEC"), a utility holding company headquartered in Milwaukee, Wisconsin. WEC's operating public utility subsidiaries provide electric and natural gas service to approximately 4.4 million customers over four states, including MERC's approximately 230,000 customers in Minnesota.

Q. FOR WHOM ARE YOU PROVIDING TESTIMONY?

A. I am testifying on behalf of MERC.

Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

A. I hold a Bachelor of Arts Degree with a double major in Business Administration and Accounting, and a minor in Economics from Lakeland College – Sheboygan, Wisconsin. In addition, I hold Associate Degrees in Credit Management and Accounting from

Northeast Wisconsin Technical College – Green Bay, Wisconsin. I have been employed by WBS and its predecessors since 1983. I have worked in the area of forecasting for more than 20 years. For the past 10 years, I have been responsible for sales and revenue forecasting for the utility companies within the system. As a load forecaster I have carried out duties including various aspects of the development of short-term and long-term gas and electric forecasts and I have supervised the work of other forecasters within the utility.

Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE ANY REGULATORY AGENCY?

A. Yes, multiple times. I provided MERC's forecasting testimony in its 2008 rate case, Docket G007, 011/GR-08-835. In addition, I have testified a number of times in Wisconsin, Michigan, and Illinois on behalf of WEC-owned public utilities including Wisconsin Public Service Company, the Upper Peninsula Power Company, Michigan Gas Utilities, and People's Gas and North Shore Gas in Illinois.

Q. WHAT IS THE PURPOSE YOUR DIRECT TESTIMONY?

A. I am testifying in support of MERC's request that the Minnesota Public Utilities Commission ("Commission") approve MERC's proposed Rochester Natural Gas Extension Project ("Rochester Project" or "Project"). My Direct Testimony supports the forecasting work that was included in the Petition and provides an explanation of the methodology used to develop MERC's forecasts in this case. I am available to answer questions that may arise about forecasted demand growth in the greater Rochester region.

Q. ARE YOU SPONSORING ANY EXHIBITS WITH YOUR DIRECT TESTIMONY?

A. Yes. I am sponsoring the following:

Direct Exhibit __ (DWC-1), which is MERC's Response to Department of Commerce ("DOC") IR-15;

Direct Exhibit __ (DWC-2), which is the Rochester-Olmsted Council of Governments Planning & Analysis Division presentation on Employment and Population Projections that provides historical data from 1970 through projected data to 2040;

Direct Exhibit __ (DWC-3), which is Office of the Attorney General ("OAG") IR-116.

Q. WERE THESE LOAD FORECASTS INCLUDED IN THE PETITION PREPARED BY YOU OR UNDER YOUR DIRECTION AND SUPERVISION?

A. Yes, they were. The forecasting data was compiled and the initial analysis was conducted by WBS employees who reported to me.

Q. PLEASE SUMMARIZE YOUR TESTIMONY.

A. MERC prepared a sales forecast for the greater Rochester area. Due to a variety of factors MERC's forecast for the Rochester area projects an increase in our customer base of approximately 20% over the next ten years, from 2016 through 2025. MERC expects Rochester retail therm sales to grow on average over the next 10 years by 1.5%. MERC expects retail sales for the total MERC system, which includes Rochester to grow at 0.2%.

II. FORECASTING METHODOLOGY

Q. WHAT WAS MERC'S FORECAST METHODOLOGY?

A. MERC developed a sales forecast for the Rochester area, which is comprised of Olmsted County, and the communities of Kasson and Blooming Prairie located in Dodge County, immediately west of Olmsted County. The general methodology used was mainly the Ordinary Least Squares ("OLS") procedure, using monthly binaries, time trend, heating degree days, and economic and demographic variables including lagged variables where necessary. Models also incorporated various seasonal and autoregressive components where needed to correct for seasonality and serial correlation in the data patterns. The OLS forecast period was from 2015 through 2025. The forecasts were built on historical data from January 2007 through July 2015. The normal weather variable, 7,842 Heating Degree Day ("HDD"), was based on a rolling 20 year average, 1995-2014, for MERC's NNG PGA.

A full description of the sales forecast methodology, including weather normalization, is included in Appendix B to the Petition and I am available to answer questions about that methodology.

Q. WHY DID MERC ONLY USE STARTING FROM JANUARY 2007?

A. In MERC's 2011 test year rate case MPUC Docket No. G007,011/GR-10-977 OAH Docket No. 16-2500-21807-2 the DOC and the OAG raised a number of concerns with MERC's historical data. The OAG in Mr. Vincent Chavez's Rebuttal Testimony page 2 specifically raised concerns of "1. Combining three data sets (two pre-2007 Aquila data

sets and one post-2007 data) in the regression analysis without a showing that the two data sets are substantively similar from either a practical or theoretical basis. 2. No verifiable billing cycle data prior to January 2007." Mr. Chavez in bullet point number 7 on page 2 raised concerns about "Sales and Customer forecasts that cannot be replicated due to unreliable billing cycles data which contain large, negative sales values, negative customer counts, and mismatches in the number of billing cycles used for sales and customer counts."

As a result of issues raised in this rate case MERC stopped using any historical data from Aquila, rebuilt historical billing data from January 2007 forward in a new repository specifically for sales forecasting and regulatory. This database is now used for all sales forecasting purposes including budgeting, financial planning, gas supply plans, etc.

Q. DOES MERC BELIEVE IT HAS SUFFICIENT HISTORICAL DATA TO PREPARE A LONG-TERM SALES FORECAST?

A. Yes. MERC used seven and one half years of historical data to prepare a 10 year forecast that was included in the petition. Quantitative analysis is good for short to medium term forecasting. For longer term forecasting qualitative analysis such as expert opinions or "A Priori Information" tend to produce a better forecast. MERC used both.

.

Q. PLEASE SUMMARIZE THE CONDITIONS MERC TOOK INTO ACCOUNT IN ANALYZING ITS MODELING.

A. The models include economic and demographic data from Moody's Analytics. Moody's indicated a diversified industrial structure and strong demographics in MERC's service area led to the area to continue to outperform the Midwest economy.

In particular, resiliency in durable goods production and continued strength in medical device manufacturing bolstered the economic health of MERC's service area.

Strength in healthcare, education, and manufacturing along with increased government payrolls drove job creation in 2015 in the state, building on gains from 2014. Demands for industrial and agricultural commodities continue to spur growth, and the private sector is likely to benefit from strong state finances.

Longer term, the MERC service area economy in the Minneapolis and Rochester metro areas is characterized by better population growth, a highly skilled workforce, and a solid base of high-paying industries, including professional/business services, education, health care, and high-value-added manufacturing.

Appendix C to the Petition contains the forecast models for each of MERC's customer classes, and all the input and output data for each model.

III. FORECAST RESULTS

Q. WHAT WERE THE RESULTS OF MERC'S FORECASTS FOR THE ROCHESTER AREA?

A. Tables 3, 4 and 5 from the Petition show the forecasted sales growth in the Rochester area by customer class and total customers. These forecasted results are a direct result of the robust growth Rochester has historically experienced, and were what MERC relied upon in projecting average annual growth rate for retail sales (excluding interruptible and transport) of about 1.6 percent in the Rochester area over the next 10 years. Note the 1.6 percent was revised to 1.5 percent as the result of work done in DOC IR-15, as I discuss below.

Q. DO YOU HAVE ANY UPDATES TO THE FORECASTS THAT WERE PROVIDED AS PART OF THE PROCEEDING?

A. Yes. In DOC IR-15, the Department of Commerce requested that we rerun the forecast models using a different assumption for weather. In MERC's forecast, we used the available weighted weather data from the MERC NNG PGA system of which Rochester is part. The Department asked that we use weather data only from MERC's Rochester weather station. The normal weather variable, 7,737 Heating Degree Day ("HDD"), was based on a rolling 20 year average, 1995-2014.

MERC reran its forecast models using Rochester specific weather data (as opposed to the MERC weighted NNG PGA weather data). I have attached a copy of MERC's response to DOC IR-15 as Direct Exhibit __ (DWC-1).

Q. WHAT DOES THE FORECAST SHOW USING ROCHESTER-SPECIFIC WEATHER DATA?

A. It shows that the Company's projected annual growth rate of 1.6 percent is slightly reduced to 1.5 percent. Updated Table 3 from the petition shows the forecasted sales growth in the Rochester area by customer class and total customers. An additional column was added as well to show "Total Retail" sales and the average growth rate of 1.5 percent.

Table 3 - Rochester Area Customer Usage Forecast (Therms)

Year	Residential	Small Commercial	Large Commercial	Total Retail	Interruptible	Transport	Total	Growth
2015	37,139,770	1,803,050	18,719,350	57,662,170	2,081,000	42,432,110	102,175,280	
2016	37,296,950	1,812,270	18,753,400	57,862,620	1,983,640	43,397,200	103,243,460	1.0%
2017	37,859,050	1,836,610	18,902,860	58,598,520	2,042,230	44,861,070	105,501,820	2.2%
2018	38,499,170	1,867,810	19,052,320	59,419,300	2,077,390	46,146,320	107,643,010	2.0%
2019	39,210,090	1,902,470	19,201,770	60,314,330	2,098,490	47,094,900	109,507,720	1.7%
2020	39,986,080	1,939,190	19,351,230	61,276,500	2,111,160	47,859,690	111,247,350	1.6%
2021	40,822,380	1,977,340	19,500,690	62,300,410	2,118,750	48,675,920	113,095,080	1.7%
2022	41,714,850	2,016,650	19,650,150	63,381,650	2,123,310	49,562,830	115,067,790	1.7%
2023	42,659,740	2,056,920	19,799,600	64,516,260	2,126,050	50,456,550	117,098,860	1.8%
2024	43,653,650	2,098,030	19,949,060	65,700,740	2,127,690	51,357,250	119,185,680	1.8%
2025	44,693,390	2,139,890	20,098,520	66,931,800	2,128,680	52,291,120	121,351,600	1.8%
ACGR	1.9%	1.7%	0.7%	1.5%	0.2%	2.1%	1.7%	

* Average Compound Growth Rate

Updated Table 5 from the petition shows the number of new customers forecast for the Rochester area. This table is the same as Table 5 in the petition except for an additional column "Total Retail" customers was added to show the 2 percent average growth rate.

Table 5 - Rochester Area New Customer Forecast

Year	Residential	Small Commercial	Large Commercial	Total Retail	Interruptible	Transport	Total	Growth
2015	41,010	1,414	1,594	44,018	23	21	44,062	
2016	41,554	1,437	1,623	44,614	23	22	44,659	1.4%
2017	42,191	1,462	1,657	45,310	23	23	45,356	1.6%
2018	42,912	1,493	1,685	46,090	23	24	46,137	1.7%
2019	43,710	1,526	1,706	46,942	23	25	46,990	1.8%
2020	44,579	1,561	1,723	47,863	24	25	47,912	2.0%
2021	45,515	1,598	1,741	48,854	24	26	48,904	2.1%
2022	46,513	1,635	1,761	49,909	24	27	49,960	2.2%
2023	47,569	1,674	1,780	51,023	25	27	51,075	2.2%
2024	48,679	1,714	1,800	52,193	25	28	52,246	2.3%
2025	49,840	1,754	1,821	53,415	25	29	53,469	2.3%
ACGR	2.0%	2.2%	1.3%	2.0%	0.8%	3.3%	2.0%	

* Average Compound Growth Rate

Q. DOES THIS CHANGE IN THE COMPANY'S GROWTH RATE CHANGE MERC'S VIEW THAT THE ROCHESTER PROJECT IS NEEDED?

A. No. MERC needs additional capacity in the Rochester area now, regardless of the future growth rate. An average annual growth rate of 1.5 percent remains robust and results in a significant ongoing shortage of capacity. Finally, growth at the 1.5 percent level results in reasonable capacity for the system overall. The Direct Testimony of Sarah Mead provides additional discussion on the implications for Rochester of the change in growth rates.

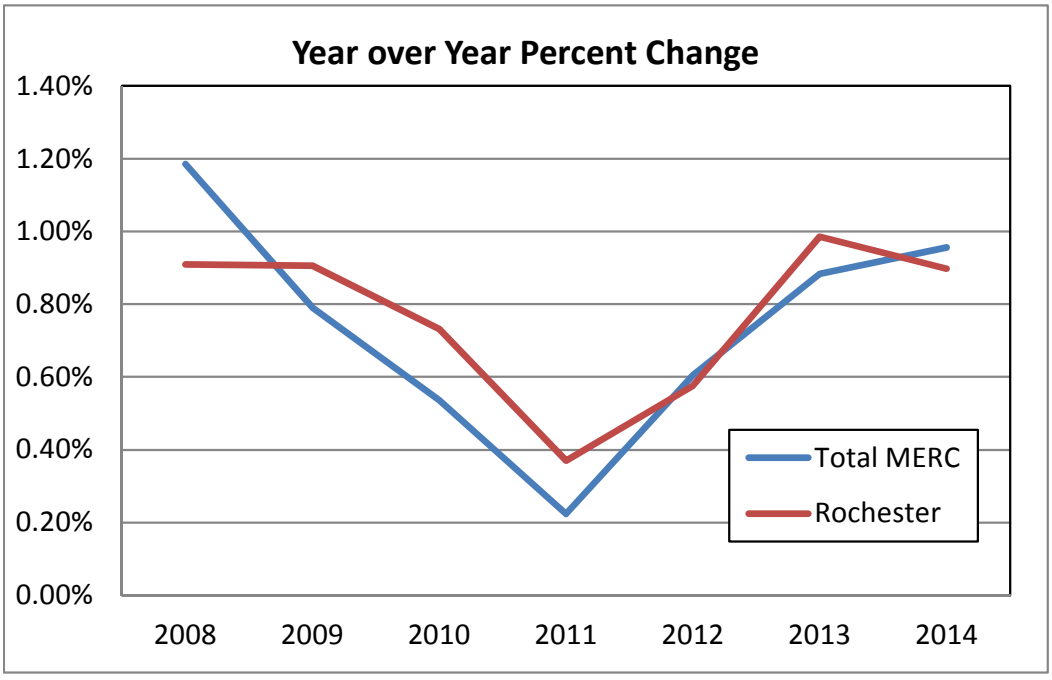
Q. ARE THE ROCHESTER LOAD GROWTH RATES SIMILAR TO WHAT MERC HAS ENCOUNTERED ELSEWHERE ON ITS SYSTEM?

A. No. The Rochester area has historically grown at a higher rate than the total MERC system, which includes Rochester. This can be seen in Table 6 and Chart 1, which compares Total MERC Customer Counts to Rochester Customer Counts.

Table 6 Customer Count Growth Rates

	Total MERC Customers		Rochester Customers	
2007	204,325		41,343	
2008	206,746	1.18%	41,719	0.91%
2009	208,382	0.79%	42,097	0.91%
2010	209,499	0.54%	42,405	0.73%
2011	209,966	0.22%	42,562	0.37%
2012	211,236	0.60%	42,807	0.58%
2013	213,103	0.88%	43,229	0.99%
2014	215,140	0.96%	43,617	0.90%

Chart 1



We anticipate that this trend will continue and potentially even accelerate as health care and other development occur in the region.

Q. WHY IS ROCHESTER DEVELOPING FASTER THAN OTHER AREAS OF THE STATE?

A. Historically, the Rochester area has maintained stronger-than-average economic performance based largely upon the robust industry and health-care businesses in and around the City. See Charts 2 through 4. These charts show a comparison between Rochester and the state of Minnesota for Population, Total Employment, and Gross Regional Product. These data are from Moody's Analytics.

Chart 2

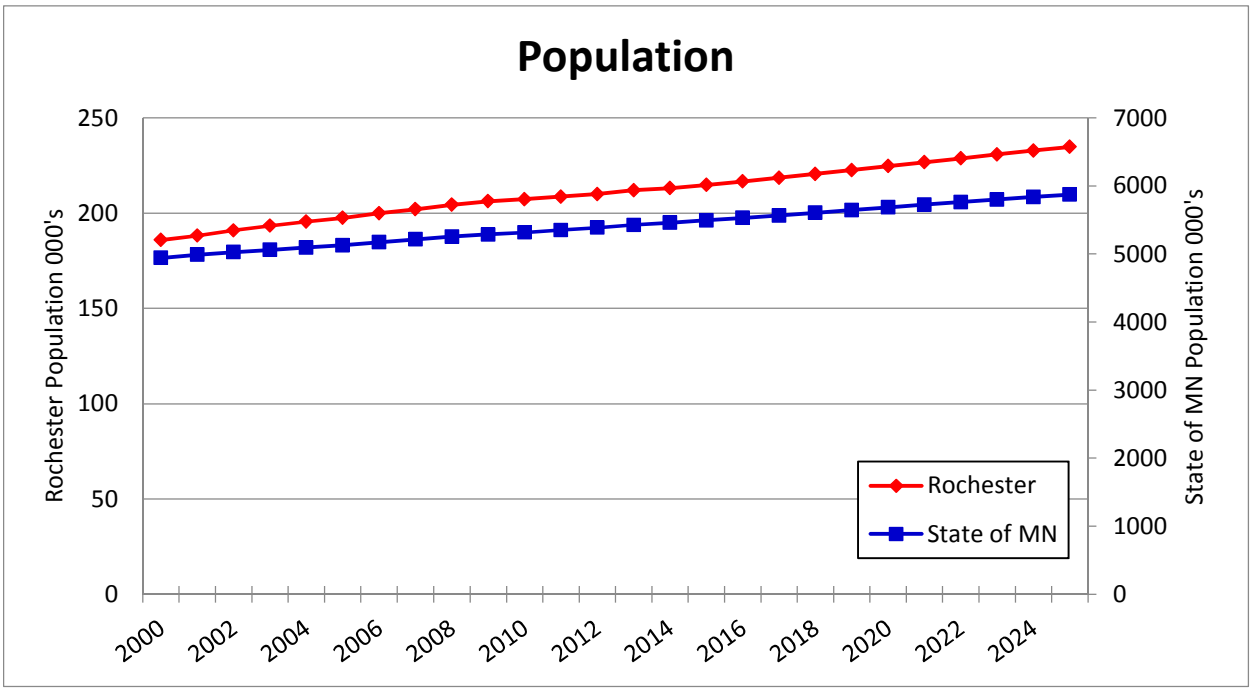


Chart 3

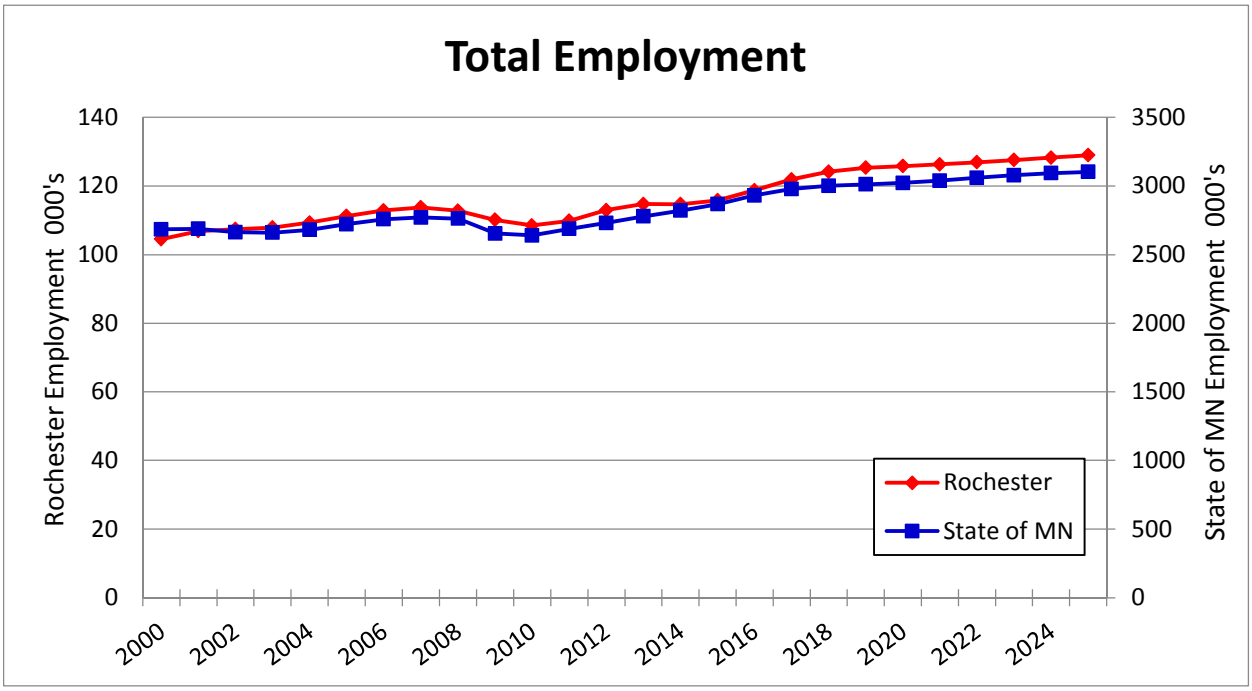
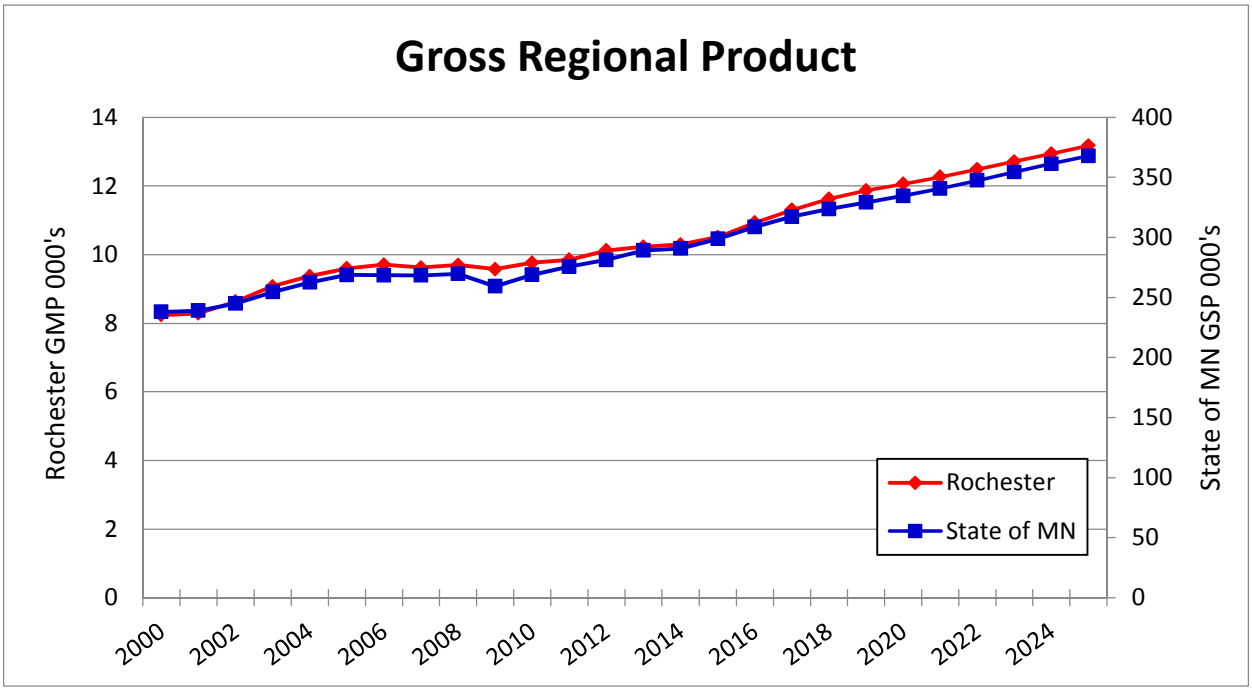


Chart 4



In May 2014, the Rochester-Olmsted Council of Governments Planning & Analysis Division prepared Employment and Population Projections that provides historical data from 1970 through projected data to 2040. These data establish that Rochester and the surrounding area have experienced robust population and employment growth over the past 40 years. The projections into the future also support the conclusion that robust growth will continue. I have attached as Direct Exhibit __ (DWC-2), the presentation summarizing this data.

Q. DID MERC ADJUST ITS FORECAST ASSUMPTIONS BASED UPON ROCHESTER-SPECIFIC ECONOMIC CONDITIONS?

A. No, But as part of its forecasting process, MERC gathered information about local conditions. This "*a priori*" information related to expected sales growth among our customer classes, internal MERC projections and potential peak day requirements based on local demographic data. This *a priori* information was used to corroborate the reasonableness of the forecast modeling. This *a priori* information and MERC's statistical forecast modeling were consistent, both reflecting strong anticipated demand over the next 10 years.

Q. WHAT IS THE DESTINATION MEDICAL CENTER ("DMC")?

A. As described on page 19 of MERC's Petition, in January 2013, the Mayo Clinic announced its $6 billion plan to become a DMC for the country and the world. The plan includes construction of new hospital space and the expectation that current staffing will

substantially increase over the next twenty years. Projections of the number of new jobs associated with Mayo's DMC plan range from 35,000 to 45,000 over twenty years are based upon the May 2014 Rochester-Olmsted Council of Governments Planning & Analysis Division Employment and Population Projections that provides historical data from 1970 through projected data to 2040.

Q. WERE MERC'S GROWTH ESTIMATES USED IN YOUR FORECAST DEPENDENT UPON REALIZATION OF ANY PARTICULAR OUTCOME OF THE DMC PROGRAM IN ROCHESTER?

A. No. The Rochester sales forecasting provided in Appendix C of our Petition did not incorporate growth assumptions specific to the DMC program. Rather, we used standard statistical methodologies based on historical data and accounting for standard economic and demographic variables. I have attached as Direct Exhibit ___ (DWC-3), MERC's response to OAG IR 116, which further addresses the impact of the DMC program on MERC's forecast.

IV. CONCLUSION

Q. PLEASE SUMMARIZE YOUR TESTIMONY AS TO THE FORECASTING THAT WAS DONE TO SUPPORT THE ROCHESTER PROJECT.

A. MERC forecasts that demand will grow about 15 percent from 2015-2025 in and around Rochester. This level of sustained growth will result in robust demand for natural gas. Based on the data we analyzed and as corroborated by community data, in my opinion these forecasted growth rates are reasonable.

Q. DOES THIS COMPLETE YOUR DIRECT TESTIMONY IN SUPPORT OF THE ROCHESTER PROJECT?

A. Yes, it does.

State of Minnesota
DEPARTMENT OF COMMERCE
DIVISION OF ENERGY RESOURCES

Nonpublic [ ]
Public [X]

Utility Information Request

Docket Number: G011/M-15-895

Date of Request: 3/16/2016

Requested From: Amber Lee
Minnesota Energy Resources Corp.

Response Due: 3/28/2016

Analyst Requesting Information: Adam Heinen

Type of Inquiry:

[ ] Financial	[ ] Rate of Return	[X] Rate Design
[ ] Engineering	[ ] Forecasting	[ ] Conservation
[ ] Cost of Service	[ ] CIP	[ ] Other:

If you feel your responses are trade secret or privileged, please indicate this on your response.

Request No.	
15	Subject: Sales Forecast Please update the Company's forecasting analysis using Rochester specific data weather data instead of the virtual weather station data used in the Company's original *Petition*. If this information has already been provided in written comments or in response to an earlier DOC information request, please identify the specific comment cite(s) or DOC information request number(s). **MERC Response:** Please see the following Excel files: WeatherData_Rochester.xls ResAvgUse.xls SCIAvgUse.xls LCISales.xls IntSales.xls TransSales.xls ResAvgUse_Cal.xls SCIAvgUse_Cal.xls

Response by: David Clabots

Title: Senior Project Specialist

Department: Treasury Dept.

Telephone: 920-433-1355

List sources of information:

LClSales_Cal.xls
IntSales_Cal.xls
TransSales_Cal.xls

DOC-15 Rochester Gas pipeline Certification Revised with Rochester Weather.xls
DOC-15 Rochester Design Peak Day Analysis Revised with Rochester Weather.xls

DUE TO FILE SIZE, THE ATTACHMENTS TO DWC-1 CAN BE FOUND ON E-DOCKETS.

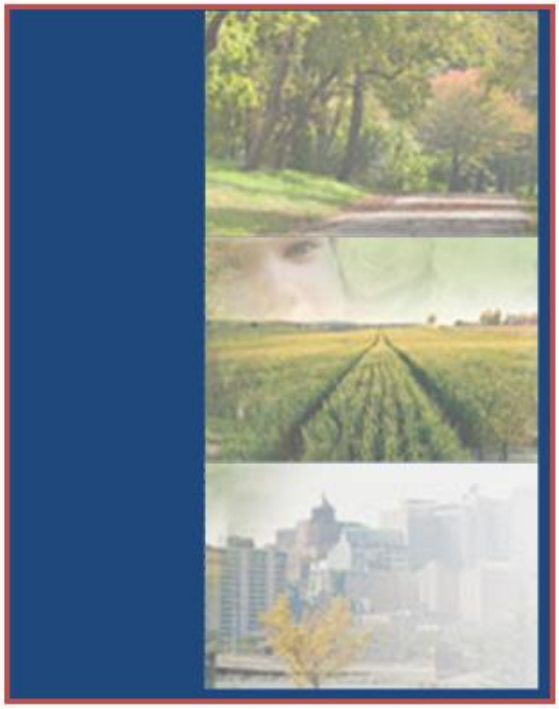
Response by: David Clabots

Title: Senior Project Specialist

Department: Treasury Dept.

Telephone: 920-433-1355

List sources of information:



May 2014

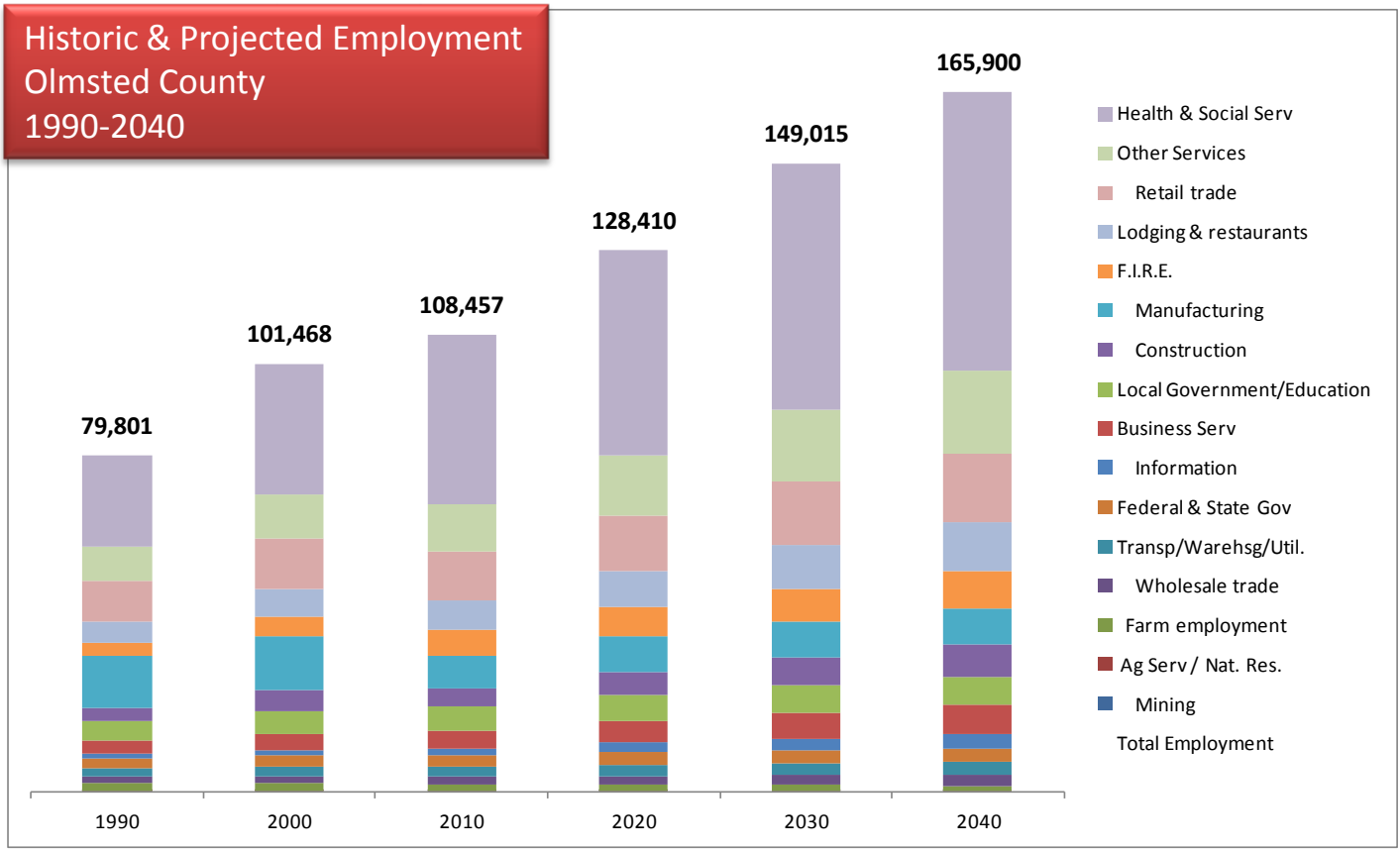
Employment & Population Projections

Looking Ahead through 2040

Rochester-Olmsted Council of Governments
Planning & Analysis Division

Employment Forecasts

Historic & Projected Employment
Olmsted County
1990-2040



	1990	2000	2010	2020	2030	2040
Health & Social Serv	21,622	30,739	40,373	48,780	58,190	65,980
Other Services	8,076	10,800	11,190	14,030	17,180	19,750
Retail trade	9,750	11,850	11,613	13,400	15,100	16,160
Lodging & restaurants	4,750	6,433	6,912	8,525	10,390	11,790
F.I.R.E.	3,319	4,683	5,939	6,850	7,850	8,750
Manufacturing	12,147	12,780	7,889	8,300	8,500	8,650
Construction	3,183	5,034	4,162	5,450	6,500	7,400
Local Government/Education	4,901	5,488	5,749	6,200	6,550	6,800
Business Serv	3,082	3,924	4,219	5,200	6,010	6,750
Information	800	1,050	1,632	2,275	2,850	3,550
Federal & State Gov	2,628	2,697	2,849	2,950	3,100	3,245
Transp/Warehsg/Util.	1,654	2,311	2,402	2,650	2,900	3,150
Wholesale trade	1,540	1,713	1,815	2,130	2,325	2,480
Farm employment	2,078	1,804	1,458	1,375	1,250	1,100
Ag Serv / Nat. Res.	101	101	196	230	250	270
Mining	100	61	59	65	70	75
Total Employment	79,801	101,468	108,457	128,410	149,015	165,900

DMC Job Impact Info (*for reference*)

DMC
A Global Destination for Health & Healing

Destination Medical Center Jobs Impacts

The DMC initiative will create thousands of permanent, well-paying jobs in Minnesota over a 20-year period.

FORECAST OF DMC JOB GROWTH - DIRECT JOBS

It is estimated that 26,800 to 32,200 direct jobs (inclusive of construction jobs) will be created by the expansion of Mayo Clinic's workforce in Minnesota and by the associated economic activity related to the DMC initiative.

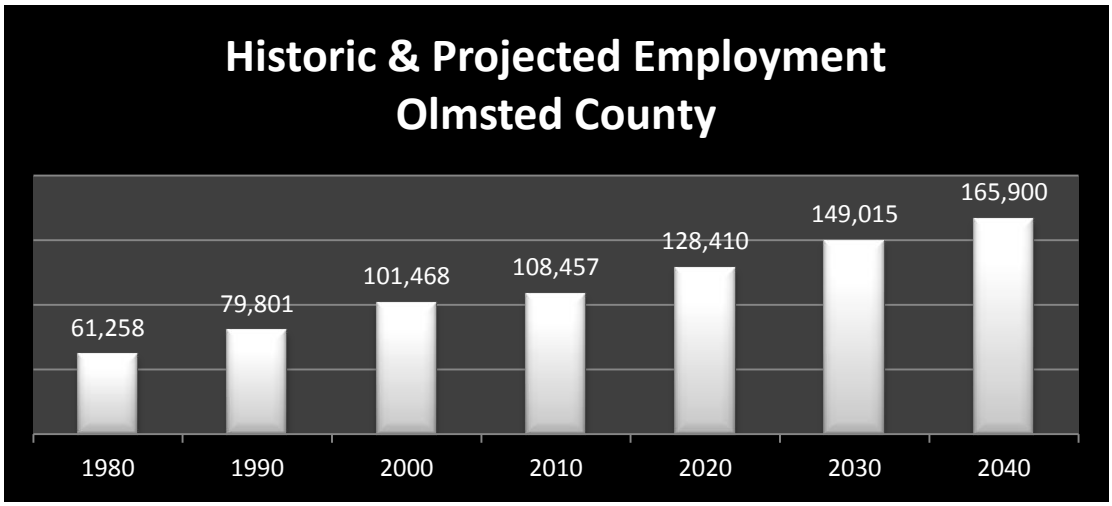
Estimated Mayo Clinic and DMC Related Jobs	Jobs		Salary Range in 2011 $'s (1)		Est. Avg. / MidPoint (2)
Mayo Clinic Jobs (3)					
Physicians & Scientists	911	1,041	-	-	-
Allied Health Professionals	12,226	13,973	-	-	-
Other	863	986	-	-	-
Subtotal – Mayo Clinic	14,000	16,000	-	-	$70,000
Commercial/Professional (4)	5,000	5,500	$35,000	$116,000	$45,000
Restaurant/Retail	1,500	2,500	$18,000	$25,000	$21,500
Hotel / Hospitality	1,000	1,500	$18,000	$25,000	$21,500
Construction Related (5)	1,800	2,200	$34,500	$62,000	$39,700
Other (6)					
Trade, Transportation and Utilities	1,063	1,367	$20,000	$46,500	$33,200
Education and Non Mayo Health Services (7)	1,496	1,924	$27,500	$78,500	$37,100
Other Services	941	1,210	$19,000	$38,000	$28,500
Subtotal – Other	3,500	4,500	-	-	$33,600
Permanent Jobs and Salary Range	26,800	32,200	-	-	$53,000
Annual Avg. Wage/Salary (BLS) Rochester, MN					$48,860
Annual Avg. Wage/Salary (BLS) State of Minnesota					$46,150
Annual Avg. Wage/Salary (BLS) United States					$45,230

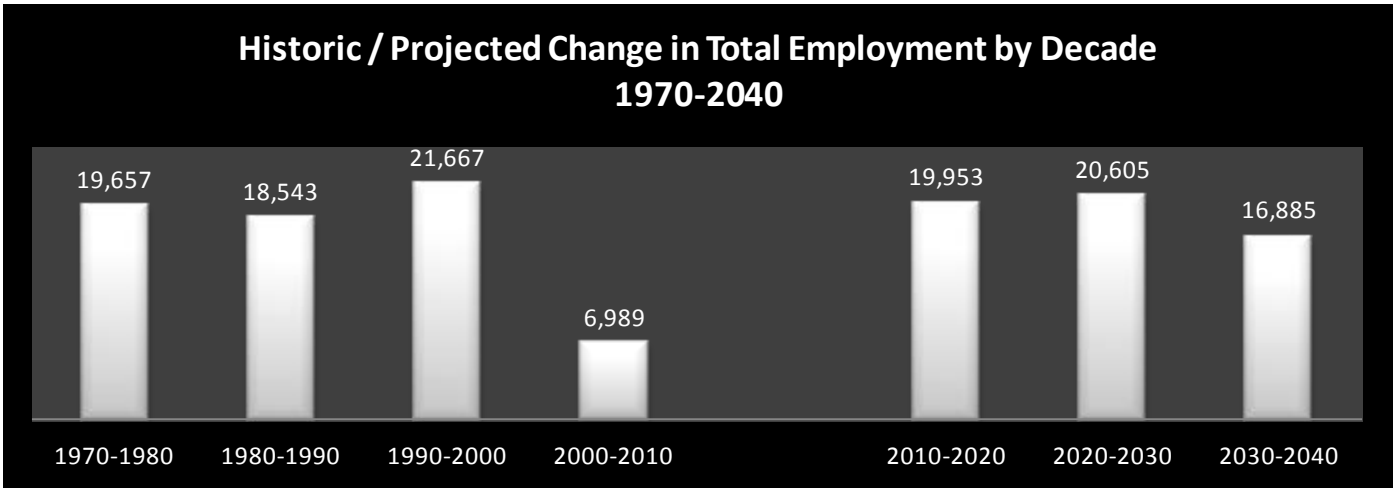
(1) Based on 2011 Bureau of Labor Statistics Data (BLS) for the Rochester, MN market.
(2) The est. average/midpoint is based on data from Mayo Clinic and the estimated midpoint of the BLS range of salaries unless otherwise noted.
(3) The breakdown of Mayo Clinic jobs is based on the proportion of jobs system wide stated in Mayo Clinic's 2011 annual report.
(4) The mid-point of commercial / professional salaries is based on an industry standard estimate of average salaries for office workers.
(5) Construction related jobs are estimated based on IMPLAN modeling. The average salary is stated below the mid-point to adjust for the cyclical nature of construction related jobs.
(6) Other jobs are estimated based on projected types of additional employment in the market as estimated by the BLS data for the proportion of jobs in the market
(7) An adjustment is made to the BLS estimate for the proportion of education and health services jobs to recognize the impact of Mayo Clinic employees in the market.

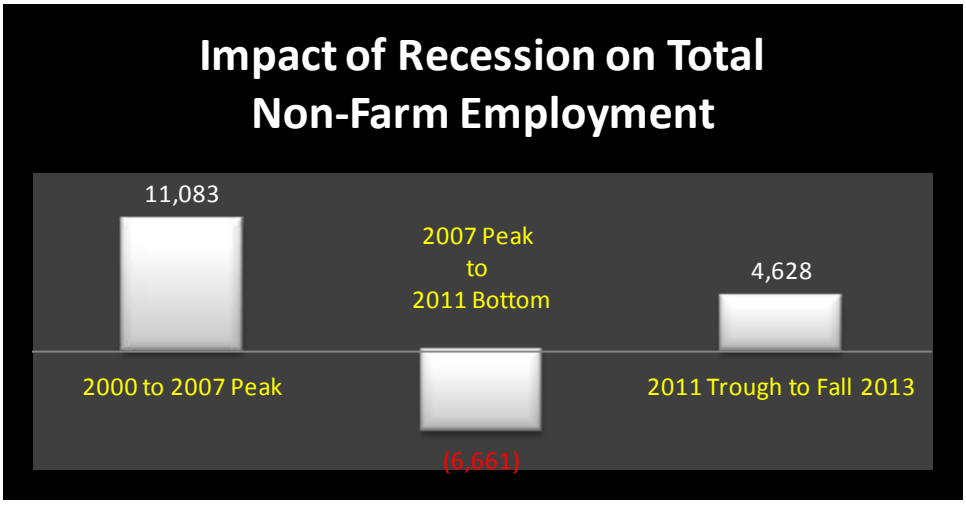
FORECAST OF DMC JOB GROWTH - INDIRECT JOBS

It is estimated that an additional 10,000 to 15,000 indirect new jobs will be created as a result of the re-spending of direct expenditures related to the Mayo Clinic and DMC projects.

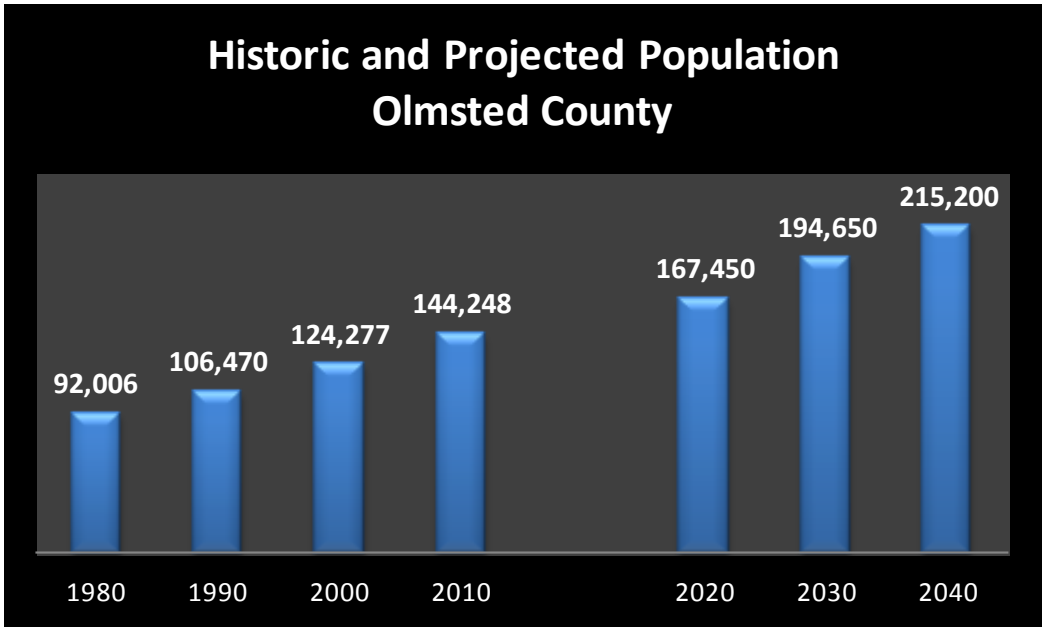
Employment Change







Population Projection - 2040

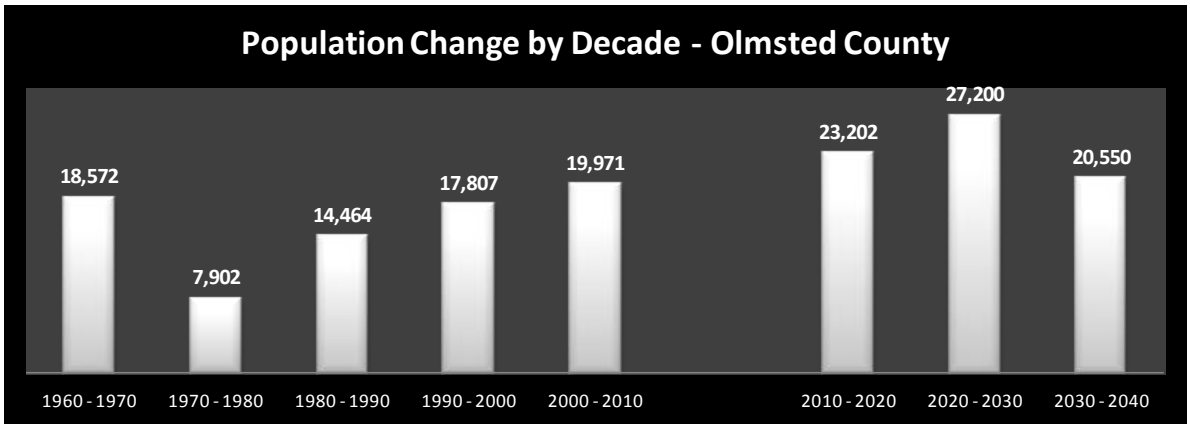


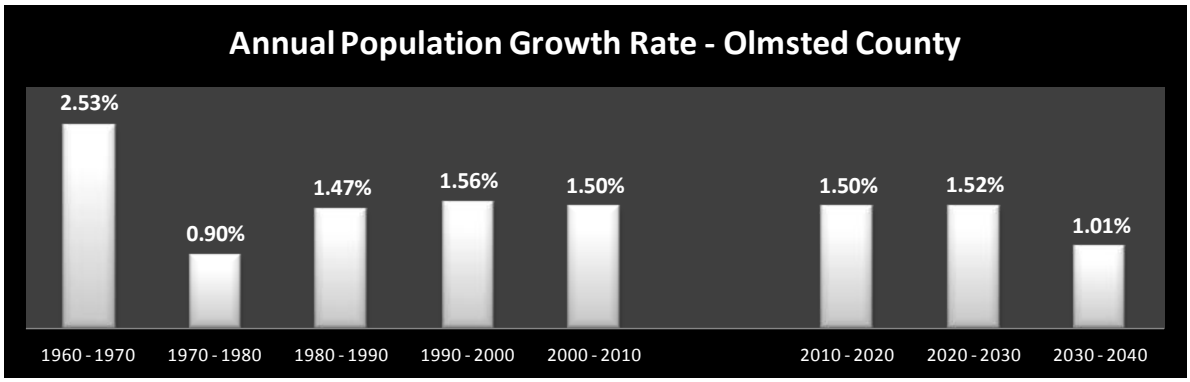
	2010 Census			2040 Projection			Age Group Change		
	Total	Males	Females	**Total**	Males	Females	**Total**	Males	Females
Age Group	144,248	70,485	73,763	215,200	103,732	111,468	70,952	33,247	37,705
0 to 4	10,783	5,554	5,229	14,599	7,487	7,112	3,816	1,933	1,883
5 to 9	10,337	5,237	5,100	13,649	7,001	6,648	3,312	1,764	1,548
10 to 14	9,562	4,865	4,697	13,306	6,803	6,503	3,744	1,938	1,806
15 to 19	8,826	4,531	4,295	12,151	6,287	5,864	3,325	1,756	1,569
20 to 24	8,239	3,898	4,341	11,060	5,379	5,681	2,821	1,481	1,340
25 to 29	11,456	5,514	5,942	14,117	6,834	7,283	2,661	1,320	1,341
30 to 34	10,562	5,360	5,202	13,573	6,711	6,862	3,011	1,351	1,660
35 to 39	9,090	4,570	4,520	13,322	6,438	6,884	4,232	1,868	2,364
40 to 44	9,092	4,528	4,564	11,723	5,613	6,110	2,631	1,085	1,546
45 to 49	10,976	5,407	5,569	11,251	5,349	5,902	275	-58	333
50 to 54	11,190	5,380	5,810	10,966	5,029	5,938	-224	-351	128
55 to 59	9,098	4,457	4,641	12,074	5,603	6,472	2,976	1,146	1,831
60 to 64	6,904	3,269	3,635	11,075	5,328	5,747	4,171	2,059	2,112
65 to 69	5,400	2,528	2,872	9,804	4,467	5,337	4,404	1,939	2,465
70 to 74	4,187	1,946	2,241	9,900	4,599	5,300	5,713	2,653	3,059
75 to 79	3,207	1,470	1,737	11,647	5,318	6,329	8,440	3,848	4,592
80 to 84	2,588	1,092	1,496	11,350	5,135	6,215	8,762	4,043	4,719
85+	2,751	879	1,872	9,631	4,351	5,281	6,880	3,472	3,409

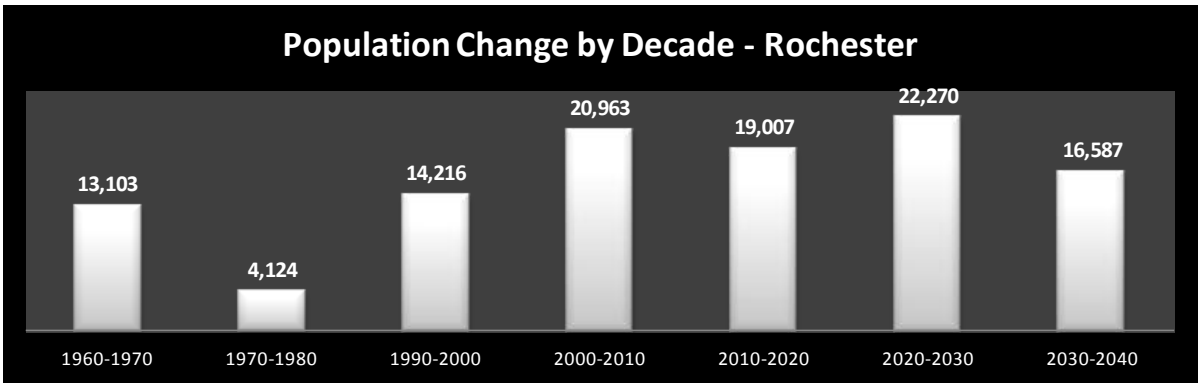
Projected Population by Place

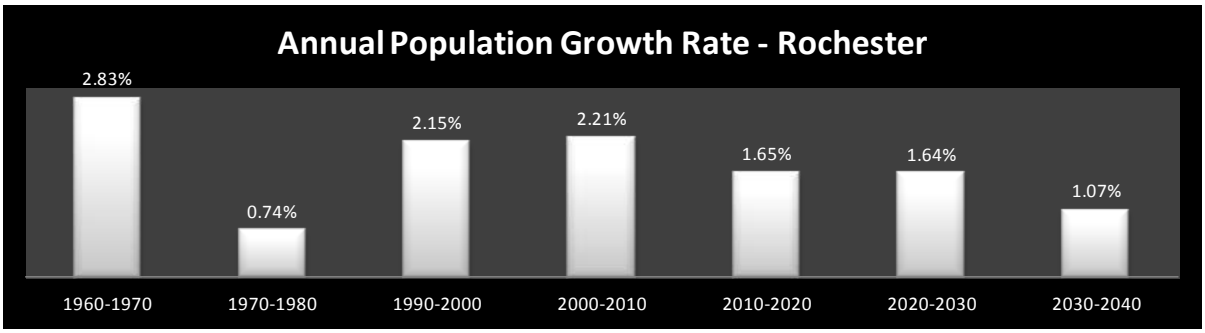
	Historic / Census Count				ROCOG Projection			Change by Decade		
	1980	1990	2000	2010	2020	2030	2040	2010-2020	2020-2030	2030-2040
Cities										
Rochester	57,890	71,590	85,806	106,769	125,776	148,046	164,633	19,007	22,270	16,587
Byron	1,715	2,495	3,500	4,914	6,064	7,270	8,851	1,150	1,206	1,581
Chatfield (Olm)	895	1,012	1,137	1,206	1,435	1,711	1,921	229	276	211
Dover (city)	312	396	438	735	897	1,099	1,274	162	202	175
Eyota (city)	1,244	1,492	1,644	1,977	2,258	2,582	2,849	281	325	267
Oronoco (city)	574	761	883	1,300	1,711	2,244	2,612	411	533	368
Pine Island (Olm)	9	3	118	703	1,139	1,637	2,040	436	498	403
Stewartville	3,925	4,563	5,411	5,916	6,896	8,030	9,067	980	1,134	1,037
Townships										
Cascade	2,384	2,644	3,183	2,815	2,831	2,924	2,936	16	93	12
Dover	491	533	440	389	377	370	356	-12	-7	-14
Elmira	408	289	352	354	354	341	335	0	-14	-6
Eyota	523	442	448	464	469	468	432	5	-1	-36
Farmington	626	539	516	444	433	416	410	-11	-16	-6
Haverhill	1,295	1,366	1,601	1,495	1,575	1,676	1,749	80	102	72
High Forest	1,545	973	1,085	976	1,039	1,111	1,144	63	72	33
Kalmar	1,209	1,281	1,196	1,046	1,055	1,072	1,015	9	17	-57
Marion	5,299	5,933	6,159	3,653	3,936	4,483	4,879	283	546	396
New Haven	1,122	1,190	1,205	1,184	1,173	1,169	1,123	-12	-3	-47
Orion	602	611	614	592	586	604	583	-6	18	-21
Oronoco	1,696	2,031	2,239	2,220	2,305	2,406	2,483	85	102	76
Pleasant Grove	776	709	787	806	812	819	777	6	6	-41
Quincy	435	363	356	339	326	308	281	-13	-19	-27
Rochester	4,598	2,987	2,916	1,629	1,781	1,871	1,943	152	90	72
Rock Dell	706	641	627	647	642	624	604	-5	-18	-19
Salem	1,153	984	1,061	1,086	1,072	1,091	1,079	-14	19	-12
Viola	574	642	555	589	553	526	497	-36	-27	-30
Township total	25,442	24,158	25,340	20,728	21,318	22,279	22,623	590	960	344
City Total	66,564	82,312	98,937	123,520	146,175	172,619	193,247	22,655	26,444	20,628
Township %	28%	23%	20%	14%	13%	11%	10%			
City %	72%	77%	80%	86%	87%	89%	90%			
Rochester %	63%	67%	69%	74%	75%	76%	76%			
Pine Island (Good)	1,977	2,129	2,271	2,560	2,760	2,980	3,190			
Chatfield (Fill)	1,160	1,403	1,258	1,573	1,600	1,670	1,740			
Pine Island (total)	1,986	2,132	2,389	3,263	3,899	4,617	5,230			
Chatfield (total)	2,055	2,415	2,395	2,779	3,035	3,381	3,661			
Total with Adj Cities	95,143	110,002	127,806	148,381	171,854	199,548	220,800			

Population Change









Key Takeaway: One of the main challenges employers in Olmsted County / Rochester will face in future is finding enough workers to fill job replacement needs due to retirement of Baby Boomers + new job openings that will be created

LABOR FORCE INFORMATION

Olmsted County Labor Force Gap

Age Group	2010	2030	Growth	LFPR	Labor Force Growth
0 to 19	39,508	49,529	10,021	10%	1,002
20-59	79,703	90,656	10,953	90%	7,104
60+	25,037	52,178	27,141	24%	6,378
total	144,248	192,364	48,116	36%	17,238
labor force growth need					37,000
labor force gap					19,762

From Staff Presentation to City Council and County Board / Summer 2013

Minnesota Energy Resources Corporation
MPUC Docket No. G011/M-15-895
OAH Docket No. 68-2500-33191
Exhibit ____ (DWC-2) - Page 9 of 14

Current Regional Labor Force Info

Source: CTPP-ACS

Source of Olmsted County workers

	Olmsted County	Commuter Counties	Rest of MN	Wis.	Iowa	Other
1990	53,630	10,900	871	227	223	187
2000	62,262	15,805	1,291	269	397	231
2010	69,909	17,495	1,736	433	536	290

***Commuter Counties include 7 Adjacent counties of Dodge, Goodhue, Wabasha, Winona Fillmore, Mower, Freeborn, which account for 85% of all commuters (in 2010)*

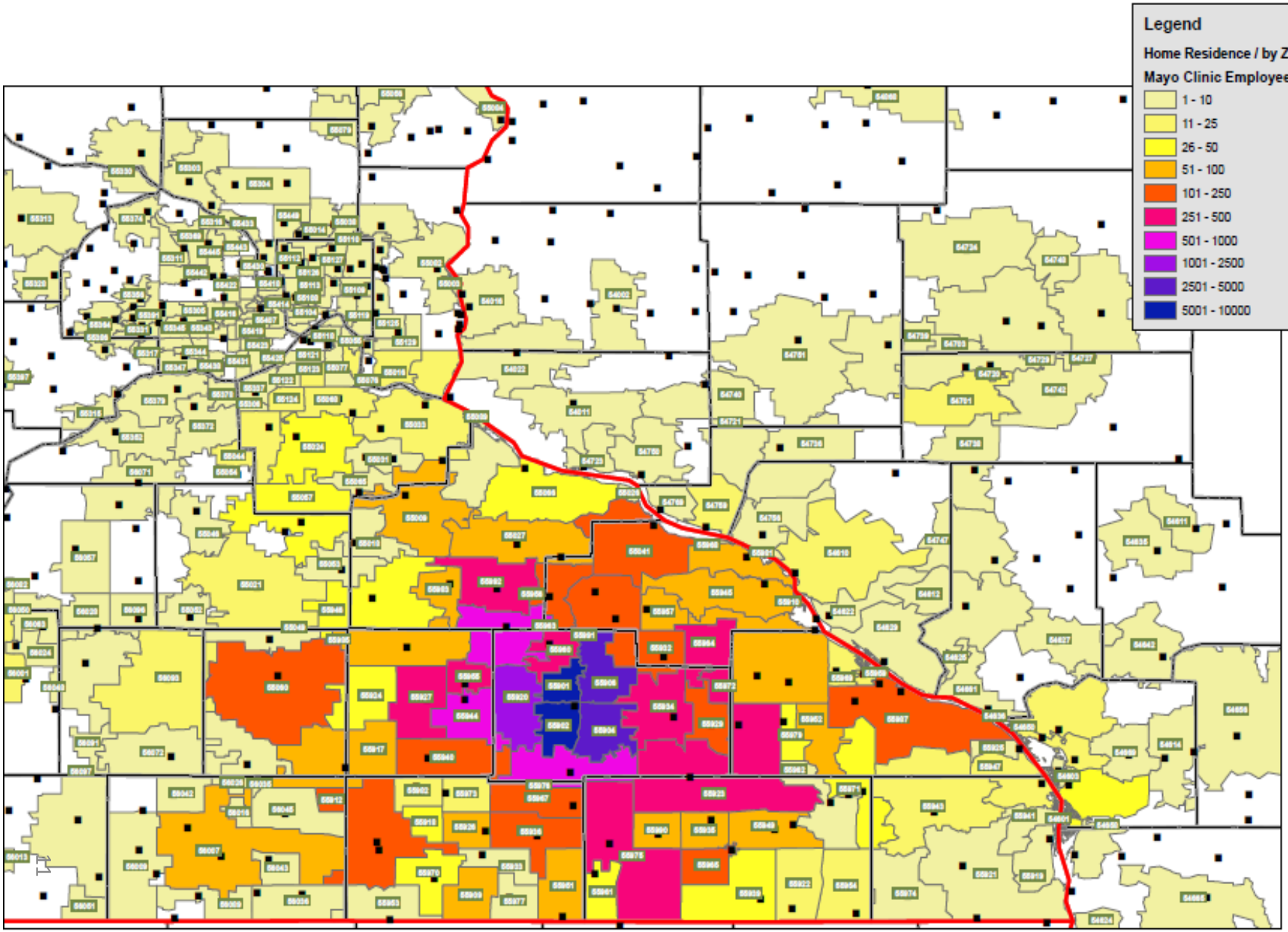
% of Olmsted and "Commuter Counties" Employed Residents working in Olmsted County

	Olmsted	Dodge	Fillmore	Freeborn	Goodhue	Mower	Wabasha	Winona
1990	89.2%	37.8%	16.5%	0.4%	7.1%	8.9%	24.2%	4.2%
2000	88.1%	38.5%	23.0%	0.9%	8.9%	10.3%	26.3%	6.8%
2010	91.7%	44.3%	26.7%	0.8%	10.1%	10.7%	29.9%	6.5%

COMMUTING TO ROCHESTER within Olmsted County

	Number of Commuters to Rochester			Percentage of Local Labor Force Working in Rochester	
	1990	2000	2010	2000	2010
BYRON	645	1,396	1,850	71%	71%
Cascade Township		1,392	1,300	82%	81%
CHATFIELD	133	301	365	25%	55%
DOVER	81	148	255	64%	70%
DOVER TWP	44	105	80	38%	42%
ELMIRA TWP	54	86	90	42%	48%
EYOTA	319	618	845	69%	70%
EYOTA TWP	92	149	205	63%	72%
FARMINGTON	109	159	165	56%	62%
Haverhill Twp		736	720	80%	81%
HIGH FOREST TWP	56	395	110	66%	21%
KALMAR TWP	346	493	350	70%	62%
Marion Twp		3,029	1,675	79%	80%
New Haven Twp	404	421	480	62%	65%
ORION TWP	149	173	180	54%	61%
ORONOCO	244	387	435		78%
ORONOCO TWP	620	976	935	81%	75%
PLEASANT GROVE T	190	333	280	73%	69%
QUINCY TWP	39	61	90	32%	46%
Rochester Twp		1,228	755	82%	79%
ROCK DELL TWP	245	231	175	60%	58%
SALEM TWP	281	388	385	65%	65%
STEWARTVILLE	1,102	1,824	1,960	65%	64%
VIOLA TWP	132	180	175	54%	57%
Total* *	5,285	15,244	14,705	67%	67%
w/o 4 townships	5,285	8,859	10,255	59%	63%
4 Townships	0	6,385	4,450	80%	80%

Mayo Employee / Residence ZipCode



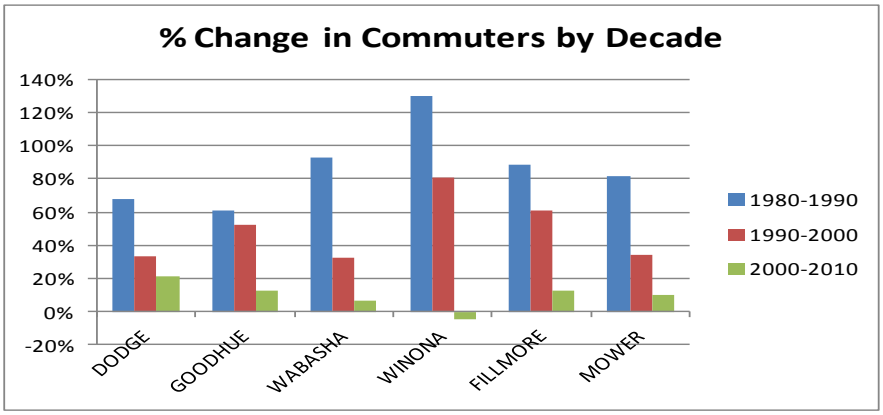
Minnesota Energy Resources Corporation
MPUC Docket No. G011/M-15-895
OAH Docket No. 68-2500-33191
Exhibit ____ (DWC-2) - Page 11 of 14

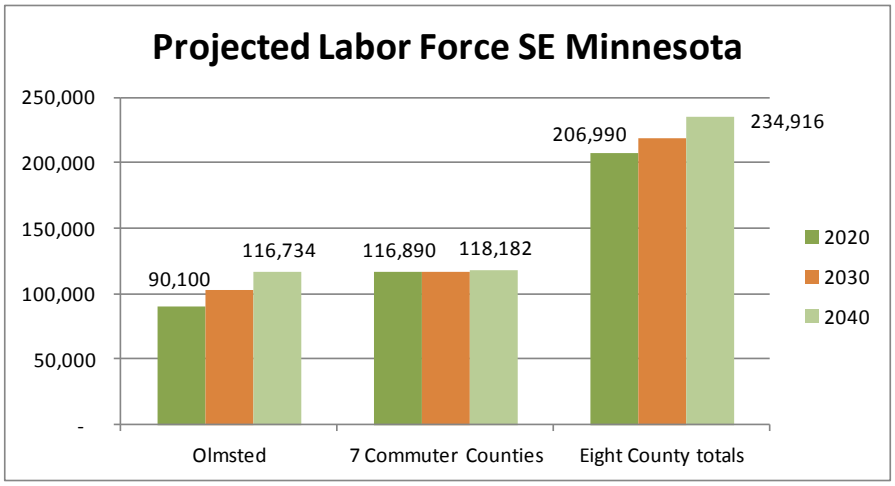
Commuters

Key Takeaway: To help fill Labor Force Gap ROCOG estimates Share of resident labor force in Commuter Counties working in Olmsted County & # of Workers from Areas beyond Commuter Counties will increase

	Share of Resident Labor Force working in Olmsted County							Share of Jobs Filled by Workers from..			
	Dodge	Fillmore	Freeborn	Goodhue	Mower	Wabasha	Winona	Rest of MN	Wisc	Iowa	Other
1990	37.8%	16.5%	0.4%	7.1%	8.9%	24.2%	4.2%	1.32%	0.34%	0.34%	0.28%
2000	38.5%	23.0%	0.9%	8.9%	10.3%	26.3%	6.8%	1.61%	0.34%	0.49%	0.29%
2010	44.3%	26.7%	0.8%	10.1%	10.7%	29.9%	6.5%	1.92%	0.48%	0.59%	0.32%
2020	46.7%	32.3%	1.1%	11.7%	11.7%	32.5%	8.2%	2.22%	0.52%	0.73%	0.33%
2030	49.96%	37.44%	1.26%	13.25%	12.59%	35.37%	9.36%	2.52%	0.59%	0.86%	0.35%
2040	53.21%	42.55%	1.44%	14.76%	13.47%	38.23%	10.53%	2.82%	0.66%	0.99%	0.37%

Key Concern: In 2000's the growth in commuters slowed dramatically from the Commuter Counties (1st chart), and State Demographer projects limited growth in Labor Force in these counties going forward (2nd chart)





Commuters

Key Takeaway: ROCOG assumes the labor force participation rates will increase among older workers in particular to help close some of the labor force gap.

***Labor Force Participation Rates assumptions provided by State Demographer's Office*

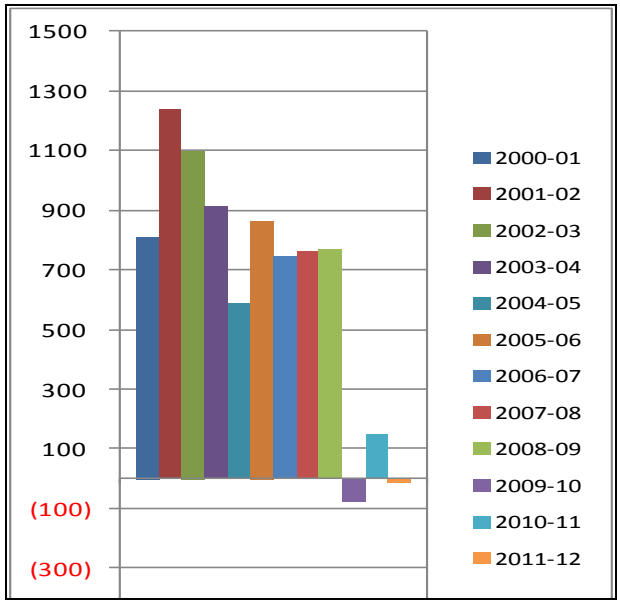
Assumed Labor Force Participation Rates

Male	2010	2020	2030	2040	Female	2010	2020	2030	2040
Age16 to 19	48.50%	44.36%	40.57%	37.11%	Age16 to 19	53.63%	49.66%	45.99%	42.59%
Age20 to 21	73.89%	71.81%	69.79%	67.83%	Age20 to 21	79.94%	78.27%	76.63%	75.02%
Age22 to 24	84.96%	83.62%	82.31%	81.01%	Age22 to 24	83.87%	85.07%	86.26%	87.45%
Age25 to 29	89.97%	89.26%	88.91%	88.94%	Age25 to 29	85.39%	86.78%	88.18%	89.58%
Age30 to 34	91.83%	91.55%	91.26%	90.98%	Age30 to 34	83.43%	85.20%	86.97%	88.74%
Age35 to 44	92.76%	92.29%	91.83%	91.36%	Age35 to 44	82.71%	82.94%	83.18%	83.41%
Age45 to 54	91.16%	91.54%	91.93%	92.31%	Age45 to 54	84.88%	85.90%	86.92%	87.97%
Age55 to 59	83.61%	85.37%	87.17%	89.01%	Age55 to 59	77.34%	82.92%	87.05%	89.73%
Age60 to 61	73.89%	74.48%	75.07%	75.66%	Age60 to 61	67.20%	76.81%	83.33%	86.75%
Age62 to 64	57.49%	59.83%	62.26%	64.79%	Age62 to 64	51.14%	58.11%	65.08%	72.04%
Age65 to 69	35.37%	38.56%	41.76%	44.95%	Age65 to 69	28.86%	33.16%	37.47%	41.78%
Age70 to 74	22.44%	24.27%	26.26%	28.40%	Age70 to 74	15.50%	18.24%	20.99%	23.73%
Age 75 plus	9.03%	8.69%	8.37%	8.05%	Age 75 plus	3.70%	4.07%	4.43%	4.80%

Labor Force Factors / Migration Trends

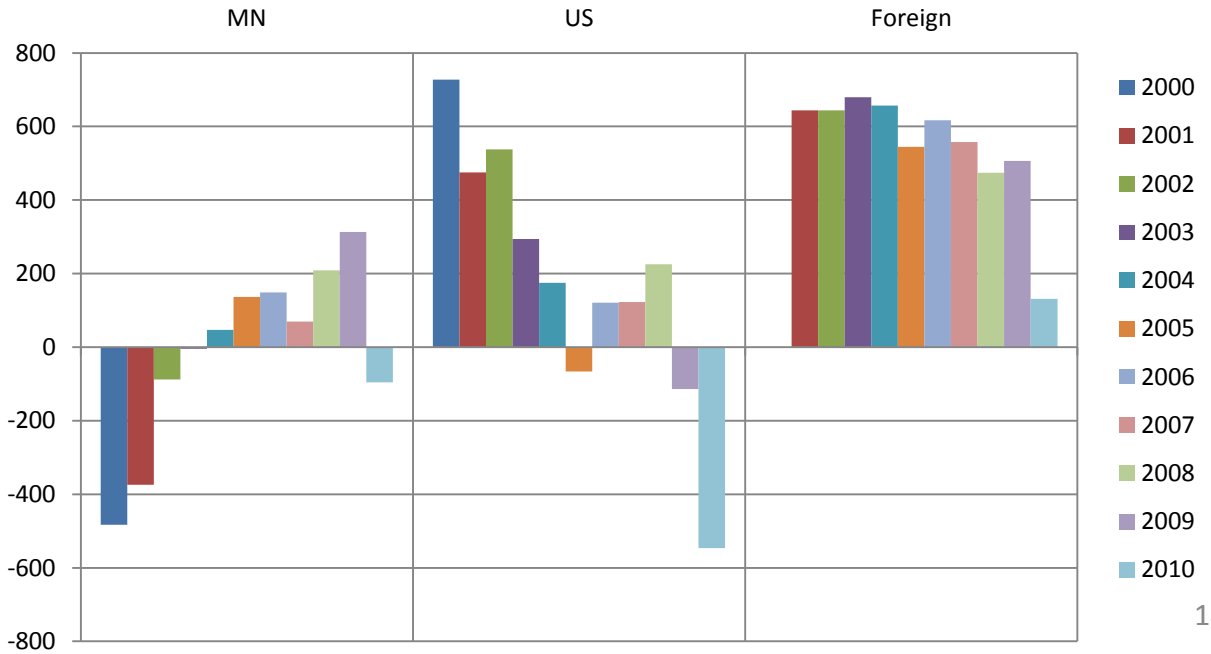
Key Takeaway: ROCOG estimates that Net Migration needs to increase by a factor of 2x-3x above historic level to meet labor force needs

Olmsted County Net Migration 2000-2012



Contribution of Migration to Population Change 2000-2012	Olmsted County
Births	26,627
Deaths	10,406
Natural Increase	16,221
International net migration (97% of net migration)	6,258
Domestic net migration	178
Total Net Migration	6,436

Net Migration to Olmsted County by Geographic Region



OAG No. 116

State Of Minnesota
Office Of The Attorney General
Utility Information Request

Requested from:		**MPUC Docket No.**	G011/GP-15-895

David Kult

In the Matter of the Petition of Minnesota Energy Resources Corporation for Evaluation and Approval of Rider Recovery for its Rochester Natural Gas Extension Project.

By:	Ryan P. Barlow	**Date of Request:**	November 4, 2015
Telephone:	(651) 757-1473	**Due Date:**	November 17, 2015

For all responses show amounts for Total Company and the Minnesota jurisdictional retail unless indicated otherwise. Total Company is meant to include costs incurred for both regulated and non-regulated operations.

Reference: Petition.

Reproduce MERC's growth estimates for the Rochester area without the DMC program. Include the source material used for the growth estimates, the methodology used to generate the growth estimates, and the specific changes to the methodology and source material used to generate the growth with the DMC program.

RESPONSE:

The Rochester area sales forecasting provided in Appendix C of our Petition did not incorporate growth assumptions specific to the Destination Medical Center ("DMC") program. The forecasts were developed using Ordinary Least Squares statistical methodology, and based on monthly historical billed and customer count data for the Rochester area, and economic and demographic variables from Moody's Analytics ("MA"). The MA variables were specific to the Rochester Metropolitan Statistical Area ("MSA"), and included gross metro product, total employment, unemployment rate, personal income growth, median, household income, population growth, net migration, housing construction permits, and real estate prices. While the variables presumably reflect some assumption about the impact of the DMC plan, MERC cannot determine the degree of that impact for any particular variable.

Response by: Harry W. John
Title: Senior Load Forecaster
Department: Budgets & Forecasts
Telephone: 920 433 1553

Direct Testimony
Sarah R. Mead

Before the Office of Administrative Hearings
600 North Robert Street
St. Paul, Minnesota 55101

For the Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, Minnesota 55101

In the Matter of a Petition by Minnesota Energy Resources Corporation for Evaluation and Approval of Rider Recovery for Its Rochester Natural Gas Extension Project

MPUC Docket No. G011/M-15-895
OAH Docket No. 68-2500-33191
Exhibit _____

Direct Testimony

Natural Gas Interstate Pipeline Capacity

April 15, 2016

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I. INTRODUCTION

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Sarah R. Mead. My business address is WEC Energy Group, Inc. ("WEC"), 700 North Adams Street, P.O. Box 19001, Green Bay, WI 54307-9001.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT POSITION?

A. I am employed by WEC Business Support ("WBS"), the service company that provides service to Minnesota Energy Resources Corporation ("MERC" or the "Company"). My position is Manager of Gas Supply for MERC. MERC is a public utility subsidiary of WEC, a utility holding company headquartered in Milwaukee, Wisconsin. WEC's operating public utility subsidiaries provide electric and natural gas service to approximately 4.4 million customers over four states, including MERC's approximately 230,000 customers in Minnesota.

Q. FOR WHOM ARE YOU PROVIDING TESTIMONY?

A. I am testifying on behalf of MERC.

Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

A. I hold a Bachelor's Degree from the University of Wisconsin-Milwaukee in Business Administration with a minor in Communication. I hold a Master of Business Administration in Finance through Lakeland College, Sheboygan, Wisconsin.

I began work within the predecessor of WEC in May 2000 in the non-regulated marketing division. I worked as a Senior Sales Forecaster until October 2009. In that position I forecasted natural gas and electric needs on an hourly, daily, monthly, seasonally, and yearly basis for Minnesota, Wisconsin, Michigan and Illinois, as well as the surrounding states and Canadian Provinces. From October 2009 to September 2011, I became a Senior Sales and Revenue Forecaster within the utility system. I became the Manager of Gas Supply to other operating utilities within the holding company system in September 2011. I took over the position of Manager of Gas Supply for MERC in 2015.

Q. WHAT ARE YOUR PRIMARY DUTIES AND RESPONSIBILITIES AS MANAGER OF NATURAL GAS SUPPLY FOR MERC?

A As manager of gas supply for MERC, I am responsible for the daily operational oversight and balancing of MERC's distribution system. I am also responsible for the following: (i) developing gas supply and storage capacity strategies to provide reliable and cost effective natural gas service; (ii) developing and implementing short and long term gas supply and capacity strategies including gas purchase and hedging strategies; (iii) administering gas supply, transportation and storage contracts in accordance with prescribed legal policies, procedures and approved plans; and (iv) acquiring daily, monthly and annual supplies to meet system requirements.

Q. WHAT IS THE PURPOSE YOUR DIRECT TESTIMONY?

A. I am testifying in support of MERC's request that the Minnesota Public Utilities Commission ("Commission") find MERC's proposed Rochester Natural Gas Extension

Project ("Rochester Project" or "Project") to be a reasonable and prudent system addition to MERC's overall gas distribution system and to approve the estimated costs of the Project as reasonable costs to be incurred on behalf of ratepayers. My testimony covers issues relating to interstate pipeline capacity to support our customers in Minnesota.

Specifically, my Direct Testimony covers four areas:

(1) The current interstate pipeline deficit in the Rochester area and the reasons for that deficit;

(2) Background about the interstate pipeline capacity options that were considered and the option chosen for the Project based on the circumstances available to MERC, as well as minor modifications to the chosen option since the Petition was filed last October;

(3) An update on MERC's contractual relationship with Northern Natural Gas ("NNG"), the exclusive interstate natural gas pipeline company providing wholesale interstate pipeline capacity to the greater Rochester area, as well as to a significant proportion of MERC's service territory throughout the State; and

(4) Support for the approach the Company took toward increasing interstate pipeline capacity in this matter. In particular, I sponsor and provide foundation for the natural gas interstate pipeline capacity sections of the Petition itself. I am available to answer questions about the alternatives that were considered.

Q. ARE THERE ANY OTHER WITNESSES IN THIS CASE THAT DISCUSS ISSUES OF INTERSTATE PIPELINE CAPACITY?

A. Yes. Issues surrounding natural gas interstate pipeline capacity are critical to consideration of the reasonableness and prudence of the Rochester Project. As a result, MERC retained an independent expert to review the interstate pipeline capacity options that were available to MERC and the one that was chosen in this situation as well as the reasonableness of MERC's overall approach to the Project. Mr. Timothy Sexton of Gas Supply Consulting, Inc. of Houston, Texas provides his independent analysis of the gas interstate pipeline capacity picture.

Q. PLEASE SUMMARIZE YOUR TESTIMONY.

A. Rochester and the surrounding area has experienced robust population growth and corresponding growth in demand for natural gas. This growth has reached a point where MERC now has a limited ability to provide firm and reliable natural gas service to new commercial and industrial customers. The main reason for this limitation is that there is insufficient natural gas firm capacity available to serve all of MERC's needs in the greater Rochester area. In fact, MERC is currently experiencing a negative reserve margin in Rochester as was experienced in January 2014. The Direct Testimony of Company Witness Mr. David Clabots shows that natural gas demand in Rochester and the surrounding communities, including twenty-one other towns in the area, continues to grow at a relatively robust rate, further exacerbating the interstate pipeline capacity situation.

As I note, the main barrier to meeting increased natural gas demand is the level of interstate pipeline firm capacity reserve that currently exists in Rochester and surrounding communities. To provide additional firm capacity to the Rochester area, additional interstate pipeline capacity must be brought into the area. MERC's Rochester facilities are currently served only by the NNG interstate pipeline and the existing pipeline is fully subscribed with no additional firm capacity available for purchase.

I describe the process MERC undertook to contract with NNG for additional firm capacity and the parameters of a proposed NNG expansion project that will provide sufficient interstate pipeline capacity to serve MERC's needs for the long term. Because of the "lumpy" nature of infrastructure development, the added firm capacity results in relatively high reserve margins specifically in Rochester for the near-term, if Rochester were to stand alone.

However, our new contract with NNG allows us to use, on an alternative basis, up to 20 percent of the total Rochester capacity entitlement elsewhere on the MERC/NNG system, which means we can utilize a significant amount of the excess reserve margin from Rochester to balance the remainder of the system daily. When considering the amount of capacity that can be utilized elsewhere, Rochester's reserve margin is much lower and tops out at a little over 20-plus percent in the early years of the project. In light of the overall value of the Project and the long-term benefits we obtain, this reserve margin situation is reasonable.

II. INTERSTATE PIPELINE CAPACITY OPTIONS

Q. WHAT IS THE EXISTING NATURAL GAS SUPPLY SITUATION IN ROCHESTER?

A. MERC is currently the sole provider of natural gas to the city of Rochester and surrounding local communities. This entire southeastern Minnesota area has experienced relatively robust population growth over the last five years, including industrial and residential expansion, in large part due to the expanding health care facilities and other businesses in and around the city. As a result of this growth, MERC has a limited ability to provide firm and reliable natural gas service to new commercial and industrial customers, as well as to existing customers as its customer base expands due to insufficient pipeline capacity.

For example, on January 6, 2014, total firm contracted capacity for MERC and all other parties with firm contracted capacity at Rochester Town Border Station 1D was exceeded by 3,342 dekatherms. While the total capacity at the combined Town Border Stations ("TBS") 1B and 1D was not exceeded on January 6, 2014, excluding other parties' capacity and demand, MERC exceeded its own firm contracted capacity secured for firm sales customers on that day. The contract overruns were mitigated somewhat by curtailing interruptible customers in nearby communities, but essentially MERC is operating with a negative reserve margin in this part of its service territory.

The current negative reserve margin we are experiencing in Rochester demonstrates the immediate need to increase capacity. There is the potential that we could incur additional NNG tariff charges and penalties if we exceed our firm contracted capacity. MERC is at

increasing risk of experiencing supply reliability problems due to the relative shortage of firm capacity in the area. If MERC was to experience an extraordinary circumstance, such as an extreme winter weather event (similar to January 2014), we will be faced with additional natural gas curtailments. This reliability concern increases as demand grows over time.

Q. CAN MERC PURCHASE ADDITIONAL CAPACITY TO ALLEVIATE THIS SITUATION?

A. No. In the system's current configuration, MERC cannot purchase additional firm capacity as there is none available. MERC's ability to deliver more gas is constrained by the fact that all of the existing NNG capacity to the Rochester area is fully subscribed. This is not a situation where smaller or incremental upgrades to the system could alleviate the capacity shortage. Rather, additional firm interstate pipeline capacity needs to be constructed for MERC to serve its existing and future firm customers.

Because of the aforementioned shortage in firm upstream interstate pipeline capacity, MERC is unable to accommodate the growth of natural gas demand in the area. Perhaps more importantly, the firm capacity constraint could prevent MERC from reliably serving its current firm customers in the Rochester area if cold weather results in MERC exceeding its current capacity, similar to what happened to MERC in January 2014 when we experienced extremely cold weather and unusually high demand.

Q. WHAT OPTIONS WERE AVAILABLE TO MERC TO ADDRESS THE EXISTING CONSTRAINT IN NATURAL GAS FIRM CAPACITY?

A. As described in more detail in Section 5 of the Petition, there were limited alternatives for MERC to consider. Since the fundamental problem is a lack of firm up-stream capacity on the NNG system, additional firm capacity needs to be added to the system to serve existing demand and to prepare MERC to serve its forecasted demand in the near future.

The alternatives we considered were: (i) taking no action, (ii) conservation, (iii) distribution system upgrade options, and (iv) building gas transmission pipeline options. I summarize each of these options below:

(i) *Taking no action*. Currently, MERC's distribution system in the Rochester area is at capacity and we have a negative pipeline capacity reserve margin. Also, MERC needs to do some distribution system work to optimize the capacity entitlement between the two TBSs (1B and 1D) in Rochester. Natural gas demand in the Rochester area is growing. There is simply no additional interstate pipeline capacity available to alleviate the shortage in capacity in the Rochester area. Doing nothing would only exacerbate the problem and would increase the risk of curtailments and service interruptions.

(ii) *Conservation*. While conservation of energy among customers in Rochester can soften the demand somewhat, it has not been sufficient to eliminate it. MERC's distribution system is already at capacity in the Rochester area and some distribution system work must be done to optimize the system. Demand-side

savings are not a viable alternative to addressing these two issues or the anticipated growth of customer demand in the Rochester area.

(iii) *Distribution system upgrade options*. As described above, peak demand in the Rochester area has already reached the capacity of the existing NNG system. While upgrading the distribution system to optimize the capacity MERC has *within* Rochester at the two existing TBSs (1B and 1D) is important, the benefits of those upgrades are still limited to the amount of peak day supply that NNG can deliver *to* Rochester. As a result, distribution upgrades, in isolation, are not a feasible solution to the existing firm capacity shortfall. Distribution upgrades must be undertaken in conjunction with increasing firm NNG pipeline capacity.

(iv) *Added Interstate Pipeline Capacity*. The only viable alternative is to add firm interstate pipeline capacity to the system in order to provide the additional gas supplies necessary to serve our customers in the Rochester area for the long term. Adding pipeline capacity could be accomplished in one of two ways: (1) upgrading the capacity of the existing NNG pipeline system serving the Rochester area, or (2) building a new wholesale interstate pipeline into the area.

Q. HOW DID MERC EXPLORE OPTIONS FOR ADDING INTERSTATE PIPELINE CAPACITY?

A. MERC sent a Request for Proposal ("RFP") in January 2015 to five organizations to provide increased pipeline capacity in the area. The RFP was provided to NNG, Northern Border Pipeline, Great Lakes Gas Transmission, Viking Gas Transmission, and Encore Energy. MERC also posted the RFP on its website to solicit other responses.

Q. WHAT RESPONSES DID MERC RECEIVE FROM THE RFP?

A. NNG responded with multiple variations for expanding its existing interstate pipeline system. Northern Border proposed to build a new 80-mile pipeline to serve the Rochester area. MERC also received a proposal from Twin Eagle Resource Management to build a new pipeline in the area. The other three pipeline companies did not respond.

MERC reviewed the bid proposals and then met with each bidder to clarify the information already provided as well as the proposed costs and timing. With this information in hand, MERC evaluated the proposals against a number of criteria and ultimately concluded that, on balance of all the factors, NNG's proposal to expand its existing system best met Rochester's firm supply needs as well as some pipeline capacity shortage at twenty-one NNG TBSs in Southeastern Minnesota. After the selection process was complete, MERC worked with NNG to refine its proposal and develop a Precedent Agreement ("PA") for the additional capacity. Independent Expert Witness Mr. Tim Sexton provides additional detail on MERC's RFP process and results.

III. NNG SYSTEM UPGRADES

Q. PLEASE DESCRIBE THE STEPS MERC TOOK AFTER IT SELECTED THE NNG PROPOSAL.

A. In October 2015, MERC entered into a new PA with NNG to provide additional firm capacity to the Rochester area and to twenty-one other TBSs located in southeastern Minnesota. The capacity being added to the twenty-one TBSs would not be possible

without the Rochester Project. The PA is for an initial term of 25 years with an option for MERC to add an additional five years at fixed capacity pricing on the end of the original term. The PA calls for NNG to take the steps necessary to increase capacity into Rochester TBS 1B and 1D, and to build a new TBS to replace the existing TBS 1B.

The PA provides a long term solution to the capacity needs of the Rochester area and surrounding communities. As a result, there would be a relatively high near-term capacity reserve margin in Rochester. However, the PA also provides flexibility to utilize 20 percent of the Rochester capacity to any other receipt points on MERC's NNG system with no pricing upcharge as stated in the tariff. This contractual feature provides significant flexibility that helps us balance the rest of the system and manage the near-term Rochester capacity reserve margin at Rochester. This feature of the PA provides MERC with substantial flexibility and value to the benefit of all of our customers across our system.

Q. PLEASE DESCRIBE THE INCREASED CAPACITY PROVIDED UNDER THE NNG PA IN RELATION TO THE ROCHESTER AREA ONLY.

A. The current firm capacity MERC has contracted with NNG for is 55,169 Dth/day into TBS 1B and 1D in Rochester. As described in more detail by Ms. Lee's direct testimony, at this time the current forecasted Design Day for Rochester is 60,929 Dth for 2015/16 and 61,842 Dth for 2016/17. As a result, MERC currently has a negative capacity reserve margin at Rochester.

Under the PA, MERC is purchasing an additional 45,000 Dth/day of firm capacity on NNG's upgraded pipeline into the Rochester area. This means that MERC will be contracting for 100,169 Dth/day. The increased capacity will provide the Company with enhanced ability to serve all of its customers in the greater Rochester area for the long term. As demand in and around Rochester grows, the upgrade in capacity resulting from this Project will ensure that MERC will be able to serve the region's increasing demand. Notably, increasing regional capacity will also reduce the incidence of service curtailments to our interruptible customers which enhances service reliability overall.

Q. PLEASE DESCRIBE THE FLEXIBILITY UNDER THE PA FOR MERC TO TAKE DELIVERIES OF SUPPLY AT OTHER RECEIPT POINTS?

A. While Rochester and the surrounding area are the primary delivery points for the added pipeline capacity, MERC has flexibility to take deliveries of a significant amount of this capacity to other areas on the MERC system. In part to alleviate the high reserve margin in Rochester and to help MERC balance its overall system, MERC negotiated that 20 percent of the total Rochester capacity obtained under the PA can be utilized by MERC at any receipt point in MERC's NNG PGA with no pricing upcharge, providing MERC with significant operational flexibility.

Q. ARE YOU INCLUDING OTHER FEATURES FROM THE PA INTO THE RECORD OF THIS PROCEEDING?

A. The PA is a confidential and trade secret document as it includes sensitive pricing information and terms that a competitor of NNG or of MERC could take advantage of.

As a result, I do not propose to discuss the confidential aspects of the PA in my public testimony.

At a high level I can state that the PA provides MERC with flexibility relating to a number of subjects. These include: (i) increasing the amount of capacity being made available to MERC under specified circumstances; (ii) the right to redirect up to 20 percent of the capacity from the Rochester TBSs to other available delivery points on the MERC system, which substantially reduces MERC's reserve margin in Rochester; and (iii) options to extend the length of the original term of the capacity contract for five more years at specified capacity prices.

Taken together, these items provide MERC with a comprehensive pipeline solution with substantial flexibility to adapt to evolving circumstances that may occur over the long-term. This flexibility provides valuable optionality across MERC's system.

Q. PLEASE DESCRIBE THE UPGRADES THAT NNG WILL BE MAKING TO SUPPORT THE PA.

A. The Direct Testimony of Ms. Lindsay Lyle provides a summary of the NNG work.

Q. WHAT ARE THE COSTS OF THE NNG CAPACITY UPGRADES?

A. NNG estimated the construction costs to increase the capacity of its interstate pipeline system to meet MERC's firm customer needs in the Rochester area and greater southeastern Minnesota are estimated to be a little under $60 million. A large portion of

the cost is for the 15,000-hp compressor to be installed at Lake Mills, Iowa, which is near Ventura.

Q. HAS THE LOCATION OF THE COMPRESSOR BEEN MOVED FROM THE TIME OF MERC'S PETITION IN THIS PROCEEDING?

A. Yes. At the time of the Petition, the compressor was planned to be installed at Ventura Iowa, near the NNG interconnection with Northern Border Pipeline. Recently, NNG advised MERC that it now plans to install the compressor at Lake Mills, Iowa, which is about 20 miles north of Ventura and which is also near the Northern Border Pipeline interconnection. Moving the compressor has no impact on MERC.

Q. PLEASE DESCRIBE THE PAYMENT TERMS UNDER THE PA.

A. The cost to increase the capacity of NNG's interstate pipeline system to meet MERC's customer natural gas demand requirements will be recovered through monthly capacity payments over a 25-year period with an option to extend the capacity contract another five years at a significantly discounted rate per dekatherm. The Rochester capacity rates are fixed in the final PA and MERC will not bear NNG's construction cost overrun risk, nor will MERC be subject to any future increase in tariff rates.

Q. UNDER WHAT CIRCUMSTANCES ARE THE RATES UNDER THE PA SUBJECT TO CHANGE?

A. The original base rates negotiated in the PA assume a 2017 in-service date for the NNG upgrades. However, at this time, the in-service date has been moved back to 2018.The

later in-service date triggers a contractual provision that allows the parties to reprice the Rochester capacity rates under PA.

Q. HAS MERC COMPLETED NEGOTIATIONS WITH NNG TO REPRICE THE PA?

A. Yes. MERC recently completed negotiations for amendments to the PA to reflect some reconfiguration of the NNG project and to address the proposed 2018 in-service date for the NNG upgrades. These amendments also adjust the capacity rates to reflect updated pricing based on the new schedule.

Q. DOES MERC EXPECT A NET COST INCREASE FROM NNG FOR THE REPRICED PA?

A. To a fairly small degree, yes. MERC was successful in minimizing the magnitude of the increase through a combination of price negotiations and making some adjustments to the NNG scope of work to reduce costs. The net capital costs of the NNG project will increase by about $2.5 million or less than 5 percent, but remain within the less-than $60 million range we described in our Petition. The capacity rate under the PA is designed to recover $58 million of capital investment over the initial term of the contract. This means that if the applicable NNG work costs more, MERC and its customers will not have to absorb the excess.

Q. PLEASE EXPLAIN.

A. When we began discussions with NNG about the need to shift to a 2018 in-service date, NNG suggested that its capital costs would increase by nearly $10 million, translating

into an about 11 percent increase in the capacity rates under the PA. MERC was concerned about the magnitude of these proposed cost increases. In the negotiations, MERC worked with NNG to reduce the increases through a combination of (i) NNG reducing the amount that it initially estimated for increased costs, and (ii) redesigning one aspect of the NNG project to reduce costs. The net outcome was that the cost increase under the PA is set at about $2.5 million.

Q. HOW HAS THE NNG PROJECT CHANGED IN ORDER TO REDUCE COSTS?

A. MERC agreed that NNG could eliminate one 2.6-mile loop of 12-inch pipe to TBS 1D. This had the net effect of reducing costs by $4.7 million.

Q. WHAT IS THE IMPACT OF ELIMINATING THE 2.6-MILE LOOP OF 12-INCH PIPE?

A. The original project design contemplated guaranteed peak-day pressure of 500 psig at the new TBS (replacing TBS 1-B) that MERC is including in its project, as well as at existing TBS 1D. Eliminating that 2.6 mile pipe loop means that we will still be able to secure guaranteed peak-day pressure of up to 500 psig at the new TBS. However, the guaranteed peak-day pressure at TBS 1D will be 450 psig. No other changes in the configuration are contemplated.

Q. WHAT ARE THE OPERATIONAL IMPLICATIONS OF THIS CHANGE OF GUARANTEED PEAK-DAY PRESSURE AT TBS 1D?

A. The Direct Testimony of Company Witness Ms. Lindsay K. Lyle provides a discussion on the operational characteristics of the system and any impacts that may occur because of this change. As Ms. Lyle's testimony states, this change does not create concerns about the operational characteristics of the system.

Q. WHAT ARE THE RATE IMPACTS OF THE INCREASE OF THE CAPITAL COSTS OF THE NNG PROJECT ON MERC'S CUSTOMERS?

A. The Direct Testimony of Company Witness Ms. Amber S. Lee provides an update to the rate impact tables from the Petition, including the impact of this cost increase.

Q. IS THE NNG COST ESTIMATE REASONABLE?

A. Yes. The rates charged under the PA result in overall reasonable costs and a levelized payment stream that is attractive to MERC and our customers.

Q. DOES THE NNG PA REMAIN REASONABLE IN LIGHT OF THE COST INCREASE YOU HAVE DESCRIBED?

A. Yes. MERC's evaluation of the NNG proposal showed that it was overall superior to the other bids. That remains true even with the capital cost increase that I have described.

I note that the NNG system provides an important function that helps MERC ensure reliability to our customers. NNG provides the only interstate pipeline into the Rochester

area. As a result, it is important that MERC and NNG work together to ensure a robust system is in place to serve customers on a cost-effective basis. Those reliability considerations further support extending MERC's long-term relationship with NNG as contemplated by the PA.

Q. IS THE REVISED COST OF THE NNG PA STILL COST-EFFECTIVE COMPARED TO THE OTHER PROPOSALS RECEIVED IN THE RFP?

A. Yes. Compared to the other bids MERC received, the NNG PA remains cost-effective, even with the modest rate increase under the PA.

Q. DO YOU THINK THAT MERC SHOULD REBID THE CAPACITY PORTION OF THE PROJECT IN LIGHT OF THE COST INCREASE ANTICIPATED UNDER THE NNG PA?

A. No. To the extent we are required to revisit the capacity source to support the Rochester Project, it will create delay in the Project. Resetting the capacity selection would necessarily push project completion into 2019 or possibly later. In light of MERC's current negative capacity reserve margin in Rochester, such a delay threatens system reliability. While MERC has not previously had to curtail firm sales, I am concerned that another extreme weather event, such as the polar vortex we experienced in January 2014, could create an unacceptable risk to firm service reliability.

In addition, the existing Rochester firm capacity could go to maximum tariff rates. The current rates are discounted until October 31, 2017 and there would be no incentive for

NNG to negotiate with MERC to reduce the contracted rate going forward. This could result in additional annual costs of $240,800. There is also a strong possibility that NNG will file a Rate Case at FERC and include an Asset Modernization Program that could additionally increase current Rochester capacity costs. The additional 8,032 dekatherms/day at the twenty-one TBSs in Southeastern Minnesota would not be available and many of these currently have negative capacity reserve margins. The cost of losing this option is unknown, but expected to be an additional build.

MERC would also have opportunity costs related to a significant loss of capacity discounts available for years 2042-2047 with a potentially significant cost. MERC would also lose a valuable component of the PA which allows for the flexibility to utilize 20% of the Rochester capacity on an alternative basis without paying an "up-charge" to max rates.

For example January 6, 2014, MERC overtook its entitlement at TBS 1D. Because of our good relationship with NNG we were able to do this without penalty. I am concerned that if MERC cancelled the PA and pursued other options, it would prompt NNG to hold MERC to strict limitations, which would not be in the interest of MERC's customers. I do not believe this would be in MERC's customers' best interest, particularly as we have been successful at negotiating advantageous terms with NNG.

IV. RESERVE MARGIN ISSUES

Q. DID MERC BALANCE THE MAGNITUDE OF THE CAPACITY INCREASE ASSOCIATED WITH THE ROCHESTER PROJECT AGAINST ITS CURRENT CUSTOMER REQUIREMENTS?

A. Yes. It was clear that new capacity is needed in the greater Rochester area. That need is immediate and growing. Based on MERC's forecasts, which are described by Company witness Mr. David Clabots, demand growth in the region supports a significant increase in capacity. In addition, we were mindful that the MERC system needs additional capacity elsewhere and the addition of capacity in this instance helps our customers overall.

Interstate pipeline development, like other large infrastructure projects, is by its nature "lumpy" – it is not possible to precisely match the available capacity level with current customer usage. When the existing system reaches its maximum capacity it is necessary to construct system elements that will add capacity to the system.

The NNG proposal represents a robust system addition that meets our needs in a cost effective way. Further, ongoing growth in demand in the region reduces the reserve margin over time and meets the long term needs in that region.

Q. BASED ON THE PIPELINE CAPACITY TO BE ADDED TO ROCHESTER, WHAT IS THE FIRM INTERSTATE PIPELINE CAPACITY PICTURE FOR ROCHESTER?

A. As shown in Table 1 below, MERC's firm capacity in the Rochester area will increase by 45,000 Dth/day by plan year 2019/2020. Note that in preparing this table, I used the most recent forecast results described by Mr. Clabots and included in the Company's response to DOC IR-15.

Table 1 - Rochester Staging Plan (Dth/Day)

Winter Period	Rochester Design Day	Capacity 1D	Capacity 1B	Capacity New TBS	Total Capacity	Reserve Margin	
2015/2016	60,929	36,707	18,462	0	55,169	-9.5%	
2016/2017	61,842	36,707	18,462	0	55,169	-10.8%	
2017/2018	62,770	36,707	18,462	0	55,169	-12.1%	
2018/2019	63,712	47,207	18,462	0	65,669	3.1%	Phase I
2019/2020	64,667	40,707	18,462	41,000	100,169	54.9%	Phase II
2020/2021	65,637	40,707	18,462	41,000	100,169	52.6%	
2021/2022	66,622	40,707	18,462	41,000	100,169	50.4%	
2022/2023	67,621	40,707	18,462	41,000	100,169	48.1%	
2023/2024	68,636	40,707	18,462	41,000	100,169	45.9%	
2024/2025	69,665	40,707	18,462	41,000	100,169	43.8%	
2025/2026	70,710	40,707	0	59,462	100,169	41.7%	Re-align 1B
2026/2027	71,771	40,707	0	59,462	100,169	39.6%	
2027/2028	72,847	40,707	0	59,462	100,169	37.5%	
2028/2029	73,940	40,707	0	59,462	100,169	35.5%	
2029/2030	75,049	40,707	0	59,462	100,169	33.5%	
2030/2031	76,175	40,707	0	59,462	100,169	31.5%	
2031/2032	77,317	40,707	0	59,462	100,169	29.6%	
2032/2033	78,477	40,707	0	59,462	100,169	27.6%	
2033/2034	79,654	40,707	0	59,462	100,169	25.8%	
2034/2035	80,849	40,707	0	59,462	100,169	23.9%	
2035/2036	82,062	40,707	0	59,462	100,169	22.1%	
2036/2037	83,293	40,707	0	59,462	100,169	20.3%	
2037/2038	84,542	40,707	0	59,462	100,169	18.5%	
2038/2039	85,810	40,707	0	59,462	100,169	16.7%	
2039/2040	87,097	40,707	0	59,462	100,169	15.0%	

Q. ARE THERE BENEFITS OF THE PROJECT THAT EXTEND BEYOND CUSTOMERS IN THE GREATER ROCHESTER AREA?

A. Yes. MERC provides natural gas utility service to communities throughout the State. All of those customers will realize benefits from the system upgrades and capacity additions arising from the Project. In addition, the PA allows MERC to utilize 20 percent of the Rochester capacity for delivery elsewhere on the NNG system, further increasing the Company's ability to utilize the capacity to where it is needed daily. This means that if our customers elsewhere in the State need additional capacity, MERC has the ability to utilize up to 20% of the total Rochester firm capacity to address that need on most days. This flexibility provides all of our customers the ability to take advantage of benefits from the increased capacity arising from the Project. As shown on Table 2 below, moving 20 percent of that capacity eliminates the reserve margins in Rochester. It shows that redirecting the allowed capacity under the PA reduces the Rochester Reserve Margin to less than 24 percent.

Table 2 – Rochester Capacity Staging Plan with 20% of Capacity Utilized at Alternative TBS

Dth/Day

Winter Period	Rochester Design Day	Capacity 1D	Capacity 1B	Capacity New TBS	20% Utilized Elsewhere	Total Capacity	Reserve Margin	
2015/2016	60,929	36,707	18,462	0		55,169	-9.5%	
2016/2017	61,842	36,707	18,462	0		55,169	-10.8%	
2017/2018	62,770	36,707	18,462	0		55,169	-12.1%	
2018/2019	63,712	47,207	18,462	0	-13,134	52,535	-17.5%	Phase I
2019/2020	64,667	40,707	18,462	41,000	-20,034	80,135	23.9%	Phase II
2020/2021	65,637	40,707	18,462	41,000	-20,034	80,135	22.1%	
2021/2022	66,622	40,707	18,462	41,000	-20,034	80,135	20.3%	
2022/2023	67,621	40,707	18,462	41,000	-20,034	80,135	18.5%	
2023/2024	68,636	40,707	18,462	41,000	-20,034	80,135	16.8%	
2024/2025	69,665	40,707	18,462	41,000	-20,034	80,135	15.0%	
2025/2026	70,710	40,707	0	59,462	-20,034	80,135	13.3%	Re-align 1B
2026/2027	71,771	40,707	0	59,462	-20,034	80,135	11.7%	
2027/2028	72,847	40,707	0	59,462	-20,034	80,135	10.0%	
2028/2029	73,940	40,707	0	59,462	-20,034	80,135	8.4%	
2029/2030	75,049	40,707	0	59,462	-20,034	80,135	6.8%	
2030/2031	76,175	40,707	0	59,462	-20,034	80,135	5.2%	
2031/2032	77,317	40,707	0	59,462	-20,034	80,135	3.6%	
2032/2033	78,477	40,707	0	59,462	-20,034	80,135	2.1%	
2033/2034	79,654	40,707	0	59,462	-20,034	80,135	0.6%	
2034/2035	80,849	40,707	0	59,462	-20,034	80,135	-0.9%	
2035/2036	82,062	40,707	0	59,462	-20,034	80,135	-2.3%	
2036/2037	83,293	40,707	0	59,462	-20,034	80,135	-3.8%	
2037/2038	84,542	40,707	0	59,462	-20,034	80,135	-5.2%	
2038/2039	85,810	40,707	0	59,462	-20,034	80,135	-6.6%	
2039/2040	87,097	40,707	0	59,462	-20,034	80,135	-8.0%	

Q. DOES THE NEW CAPACITY UNDER THE PA ALSO REDUCE MERC'S CAPACITY RESERVE MARGIN ON A SYSTEM-WIDE BASIS?

A. As a practical matter, yes. A substantial majority of MERC's operations is served by the NNG interstate pipeline system. Fundamentally, upgrades to the NNG system and the Project's reliability upgrades in Rochester will have beneficial impacts throughout the

NNG system. Most notably, upgrading Rochester's infrastructure and providing additional capacity on the NNG system helps free up capacity that can be used by customers at other delivery points the system, that are not physically constrained.

This generally means that the impact of the Rochester Project provides NNG with additional capacity that will be available to our customers throughout Minnesota. In essence, upgrading Rochester's infrastructure benefits our other customers by allowing more capacity on the system to be available to all MERC customers.

Q. WHAT IS THE OVERALL CAPACITY RESERVE MARGIN ON A TOTAL-SYSTEM BASIS WITH THE ADDITIONAL NNG CAPACITY?

A. When considering the additional NNG capacity from the broader perspective of MERC's entire NNG PGA area, the additional capacity does not result in substantial excess capacity. As shown in Table 3 below, the design day reserve margin in Winter Period 2019/20 is about 17%, declining substantially by 2026/27.

Table 3 – System-Wide Reserve Margin

Winter Period	NNG Current Capacity	Additional Capacity	Total NNG Capacity	NNG Design Day	Capacity Long/(Short)	Percent	
2015/2016	252,127		252,127	245,263	6,864	2.80%	
2016/2017	252,127		252,127	248,942	3,185	1.28%	
2017/2018	252,127		252,127	252,676	(549)	-0.22%	
2018/2019	252,127	15,939	268,066	256,466	11,600	4.52%	NNG Phase I
2019/2020	252,127	53,032	305,159	260,313	44,846	17.23%	NNG Phase II
2020/2021	252,127	53,032	305,159	264,218	40,941	15.50%	
2021/2022	252,127	53,032	305,159	268,181	36,978	13.79%	
2022/2023	252,127	53,032	305,159	272,204	32,955	12.11%	
2023/2024	252,127	53,032	305,159	276,287	28,872	10.45%	
2024/2025	252,127	53,032	305,159	280,431	24,728	8.82%	
2025/2026	252,127	53,032	305,159	284,638	20,521	7.21%	
2026/2027	252,127	53,032	305,159	288,907	16,252	5.63%	
2027/2028	252,127	53,032	305,159	293,241	11,918	4.06%	
2028/2029	252,127	53,032	305,159	297,640	7,519	2.53%	
2029/2030	252,127	53,032	305,159	302,104	3,055	1.01%	
2030/2031	252,127	53,032	305,159	306,636	(1,477)	-0.48%	
2031/2032	252,127	53,032	305,159	311,235	(6,076)	-1.95%	
2032/2033	252,127	53,032	305,159	315,904	(10,745)	-3.40%	
2033/2034	252,127	53,032	305,159	320,642	(15,483)	-4.83%	
2034/2035	252,127	53,032	305,159	325,452	(20,293)	-6.24%	
2035/2036	252,127	53,032	305,159	330,334	(25,175)	-7.62%	
2036/2037	252,127	53,032	305,159	335,289	(30,130)	-8.99%	
2037/2038	252,127	53,032	305,159	340,318	(35,159)	-10.33%	
2039/2040	252,127	53,032	305,159	350,604	(45,445)	-12.96%	

Current NNG capacity includes NBPL for Windom and Ortonville (3,535)
Design Day as filed in Demand Entitlement Filing for 2015-2016
Assumes a 1.5% yearly increase in Design Day
Assumes all current capacity is renewed at current levels
Additional Capacity include the Rochester and SE Minnesota

Q. ARE THE RESERVE MARGINS YOU DESCRIBE ABOVE REASONABLE UNDER THE CIRCUMSTANCES?

A. From an interstate pipeline capacity perspective, yes. Company witness Amber S. Lee provides MERC's views from a ratemaking perspective. When considered under all of the circumstances, particularly given the need to increase capacity in "lumps," this outcome is reasonable.

Pipeline counterparties rarely accommodate capacity additions that just keep pace with increased customer demand, particularly where construction is required to provide the additional capacity. Instead, such capacity expansions will require purchases of increments that may temporarily exceed customer growth for several years. Although it may take time to grow into the added capacity, the economies of scale from larger projects are expected to offset this concern.

Q. COULD MERC HAVE AVOIDED THE RESULTING CAPACITY RESERVE MARGIN IN ROCHESTER?

A. No. First, MERC facilities in and around Rochester are currently served exclusively from NNG. At this time, NNG is fully subscribed on the transmission laterals that serve the area and there is no existing capacity available for purchase. In addition, the existing NNG main transmission pipelines that feed the laterals do not have adequate upstream capacity to ensure delivery of natural gas to meet the expected growth. It is therefore necessary for NNG to substantially upgrade its main transmission pipeline and

transmission lateral upgrades and installations in order to serve existing and expected customers in the long term.

Second, NNG advised us that the only available alternative was to make a major expansion of the pipeline system into the Rochester area. This proposal, while larger than we needed in the near term, compared favorably against other proposals that would have required an equivalent major expansion by building a new pipeline into the area.

Based on all of this, we concluded that a more robust capacity addition was the most appropriate system addition for the long-term. We further concluded that, in light of the bids received and the need to make a major expansion in the area regardless which alternative we chose, that the NNG proposal was appropriate, even with the resulting higher short-term capacity reserve margin.

Q. DO MERC'S CUSTOMERS RECEIVE VALUE FROM THIS CAPACITY RESERVE MARGIN?

A. Yes. MERC's firm capacity will also increase for over twenty other communities MERC currently serves in southeastern Minnesota.[1] Having excess capacity in the system will provide benefits by being available to serve all of the regional growth.

[1] The communities are Altura, Blooming Prairie, Byron, Caledonia, Claremont, Dodge Center, Harmony, Houston, Kasson, Kenyon, Lanesboro, Lewiston, Mabel, Pine Island, Rushford, Spring Grove, Steele, Utica, Wanamingo, West Concord, and Zumbrota.

To further mitigate the reserve margin in the short term, MERC negotiated in its contract with NNG the optionality to nominate delivery at alternate points along MERC's system. A few examples of TBSs that are short capacity and benefit from the delivery optionality are:

TBS	NNG CAPACITY	DESIGN DAY	DIFFERENCE
Cannon Falls	2,479	3,137	-658
Dover	275	335	-60
Eyota	880	873	7
Viola	56	103	-47
Stewartville	3,371	3,534	-163
Hayfield	878	896	-18
Ellendale	420	485	-65
Total	8,359	9.363	-1,004

Q. WHAT OTHER TOWN BORDER STATIONS DIRECTLY BENEFIT FROM THE PRECEDENT AGREEMENT WITH NNG FOR FIRM CAPACITY?

A. When negotiating the Precedent Agreement with NNG, MERC was able to include twenty-one additional TBSs in Southeast Minnesota[2] that were in need of additional firm capacity at NNG's current tariff rate. The capacity being added to those TBSs equals 8,032 dth/day. This additional capacity would not be possible without significant upgrades to the system.

Q. IN THE EVENT THAT MERC HAS SOME EXCESS CAPACITY, ARE THERE WAYS TO MITIGATE THE IMPACT ON MERC CUSTOMERS?

[2] These TBSs include: Byron, Dodge Center, Kasson, Pine Island, Wanamingo, Zumbrota, Kenyon, Steele, Claremont, West Concord, Houston, Caledonia, Spring Grove, Mabel, Harmony, Rushford, Lanesboro, Lewiston, Altura, Utica, and Blooming Prairie.

A. Yes. MERC has the ability to release the extra capacity into the market and recoup some of the costs. MERC actively releases capacity to the natural gas market throughout the year when it is not expected to be needed to serve its customers. MERC posts this capacity on the pipeline's Electronic Bulletin Board as notice to the market that the capacity is available and open for accepting bids. Any revenues realized from this would revert to the benefit of MERC's customers who participate in the NNG PGA.

V. CONCLUSION

Q. PLEASE SUMMARIZE YOUR POSITION ON THE INTERSTATE PIPELINE CAPACITY PICTURE FOR THE ROCHESTER PROJECT.

A. I conclude that MERC's proposal to add interstate pipeline capacity to the system is necessary. The natural gas pipeline system in and around Rochester has already exceeded peak demand, leaving MERC to operate precariously with a negative capacity reserve margin in Rochester, resulting in curtailment of interruptible customers. More frequent curtailments and even potential reliability problems will exist in the foreseeable future without adding interstate pipeline capacity. I further conclude that the Rochester Project (including associated NNG upgrades) is appropriate to increase capacity in and around Rochester. Further, the proposed NNG upgrades and the terms and conditions of the Precedent Agreement are reasonable and cost-effective under the circumstances and represent a reasonable way to increase interstate pipeline capacity into Rochester.

Q. DOES THIS COMPLETE YOUR DIRECT TESTIMONY?

A. Yes, it does.

Direct Testimony
Lindsay K. Lyle

Before the Office of Administrative Hearings
600 North Robert Street
St. Paul, Minnesota 55101

For the Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, Minnesota 55101

In the Matter of a Petition by Minnesota Energy Resources Corporation for Evaluation and Approval of Rider Recovery for Its Rochester Natural Gas Extension Project

MPUC Docket No. G011/M-15-895
OAH Docket No. 68-2500-33191
Exhibit _____

Direct Testimony
Distribution Design and Engineering

April 15, 2016

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I. INTRODUCTION

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Lindsay K. Lyle. My business address is 1995 Rahncliff Court, Suite 200, Eagan, Minnesota 55122.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT POSITION?

A. I am Engineering Manager at MERC. MERC is a public utility subsidiary of WEC Energy Group, Inc. ("WEC"), a utility holding company headquartered in Milwaukee, Wisconsin. WEC's operating public utility subsidiaries provide electric and natural gas service to approximately 4.4 million customers over four states, including MERC's approximately 230,000 customers in Minnesota.

Q. FOR WHOM ARE YOU PROVIDING TESTIMONY?

A. I am testifying on behalf of MERC.

Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

A. I received a Bachelor of Science Degree in Chemical Engineering in 1998 from Oklahoma State University. I subsequently received a Master's Degree in Business Administration in 2004 from Oklahoma State University.

I have been employed in the natural gas business since 1999, holding engineering positions with Oklahoma Natural Gas Company, Aquila and now MERC. At MERC, I lead the Engineering Group and oversee the delivery of engineering services for

construction, operation and maintenance projects for gas distribution within prescribed budgets, scope and schedule.

I have been actively involved in the design and engineering, and construction planning aspects of the Rochester Project.

Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE ANY REGULATORY AGENCY?

A. No.

Q. WHAT IS THE PURPOSE YOUR DIRECT TESTIMONY?

A. I am testifying in support of MERC's request that the Minnesota Public Utilities Commission ("Commission") approve MERC's proposed Rochester Natural Gas Extension Project ("Rochester Project" or "Project"). My Direct Testimony supports the engineering and construction details of the upgrades to MERC's distribution system. The engineering and design of the Rochester Project were originally included in the Petition at Sections 3, 8 and 9. I am available to answer questions on those topics. In addition, I am available to answer questions about MERC's estimated cost of Phase II of the Rochester Project.

Q. ARE YOU SPONSORING ANY EXHIBITS WITH YOUR DIRECT TESTIMONY?

A. No.

II. SUMMARY OF MERC'S DISTRIBUTION UPGRADES

Q. PLEASE PROVIDE A HIGH-LEVEL SUMMARY OF THE ROCHESTER PROJECT.

A. The Rochester Project is designed to expand the capacity of MERC's natural gas distribution system in and around the city of Rochester. MERC's Rochester distribution system is currently at capacity and must be upgraded to meet our current needs, as well as to meet the expected growth in customer demand over the next ten years.

To meet the projected increase in demand, the capacity of both the interstate transmission pipeline system in the Rochester area and MERC's Rochester distribution system must be expanded. The Rochester Project expands the capacity of MERC's distribution system in two phases:

- Phase I involved modernizing, standardizing, and interconnecting portions of MERC's existing system. Phase I is complete and MERC is seeking recovery of the $5.6 million cost of that work in its pending rate case (Docket No. G011/GR-15-736).

- Phase II involves upgrading MERC's town border stations ("TBS") system for Rochester. MERC will redesign its existing TBS 1D and will build a new TBS as part of the Project to replace existing TBS 1B. This system receives natural gas from Northern Natural Gas's high-pressure interstate pipeline system and then transmits the gas at a reduced pressure for delivery to MERC's low-pressure distribution system and our customers in the Rochester area. In addition, Phase II involves the construction of a new high-pressure distribution pipeline that will interconnect the northern and southern portions of our existing distribution system.

Q. PLEASE ELABORATE ON PHASE II OF MERC'S DISTRIBUTION SYSTEM UPGRADES.

A. In order to handle the increased supply flow and operating pressure resulting from NNG's upgrades to its pipeline system in the Rochester area, MERC will construct an approximately 14-mile long main distribution pipeline that connects rebuilt TBS 1D in northwest Rochester to New TBS in west Rochester to New DRS in the vicinity of TBS 1B in southeast Rochester. This new pipeline will be designed with a maximum allowable operating pressure (MAOP) of 500 psig, tying together the northern and southern portions of our existing TBS system.

MERC's new pipeline is the subject of a separate route permit proceeding before the Commission (Docket No. G011/GP-15-858).

Q. WHAT ARE THE MAIN COMPONENTS OF PHASE II OF MERC'S ROCHESTER PROJECT?

A. The components of Phase II involve the following activities:

- Rebuild TBS 1D to accept additional supply from the upgraded capacity of NNG's Rochester transmission lateral;
- Construct a New TBS approximately five miles south of TBS 1D and install 16-inch 500 psig pipe to connect the two town border stations. This will enable MERC to manage the level at which it takes gas from NNG to meet downstream demand on its distribution system, rather than relying on NNG to do so; and

- Install approximately eight miles of 12.75-inch 500 psig pipe that follows a route starting at New TBS and arcs south/southeast to connect at New DRS located off of NNG's La Crosse transmission lateral southwest of TBS 1B, New DRS will connect to MERC's low-pressure distribution system in the area, feeding gas to the system at the lower pressures necessary for delivery to our customers. New DRS will eliminate the need for TBS 1B so that it can be retired rather than rebuilt.

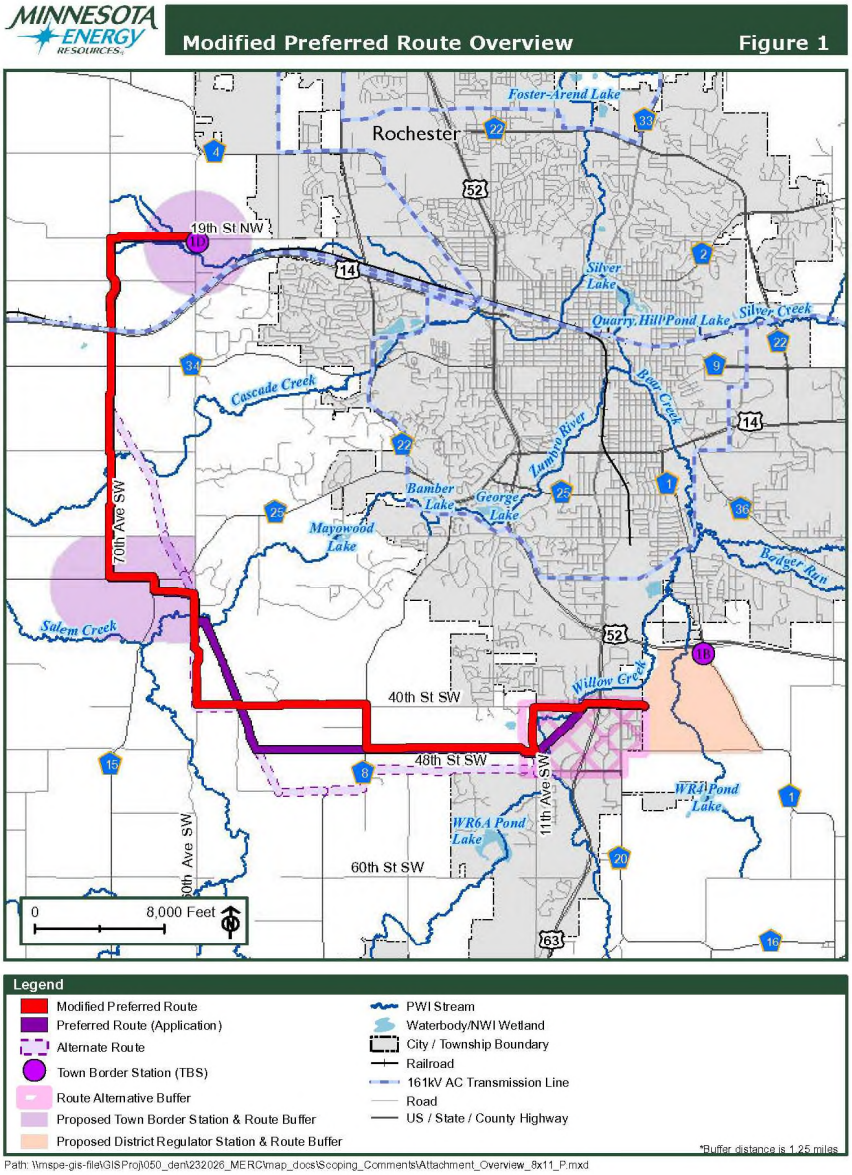
The combination of NNG's increased transmission capacity and MERC's upgraded TBS system gives MERC the ability to shift the supply of gas where it is needed on its distribution system within the Rochester area.

The cost of Phase II is estimated to be $44 million. Construction begins in 2017 with a projected completion date of 2022, with a limited amount of project close-out costs occurring in 2023.

Q. PLEASE PROVIDE A SUMMARY OF MERC'S EFFORTS TO ROUTE THE NEW HIGH PRESSURE DISTRIBUTION PIPELINE.

A. The routing of Phase II of the Rochester Project will be determined in the route permit proceedings before the Commission in Docket G011/GP-15-858. I note that during the route permit process, the Commission has the opportunity to review and revise the route. As that process has been moving forward, MERC has made a few alterations to its preferred route, which has moved a few segments. I note that with these alterations, the

proposed route is now approximately 14 miles long, rather than 13 miles, as stated in the Petition. The following Figure**Error! Reference source not found.** illustrates our current modified preferred route, which has been updated from our Petition:



Q. PLEASE SUMMARIZE THE ENVIRONMENTAL IMPACTS STUDIED BY MERC.

A. The environmental impacts associated with the Project will be fully addressed in the Route Permit proceeding, Docket G011/GP-15-858. For purposes of the present proceeding, Section 9 of the Petition describes the high-level environmental impacts of the Rochester Project.

No significant environmental condition or land use issues have been identified that would prevent construction of the Project, and it is anticipated that all environmental impacts will be properly mitigated by the use of appropriate construction and restoration practices.

III. SUMMARY OF NNG WORK

Q. IS THE WORK THAT MERC IS UNDERTAKING FOR THE ROCHESTER PROJECT THE ONLY WORK THAT IS NEEDED TO INCREASE GAS CAPACITY IN THE ROCHESTER AREA?

A. No. In addition to Phase I and Phase II of the MERC Rochester Project, our wholesale transportation capacity supplier, Northern Natural Gas ("NNG"), is undertaking an expansion project that will bring additional transportation capacity to the Rochester area. Company Witness Ms. Sarah Mead provides Direct Testimony on the current reserve margin and the need for additional capacity on the MERC system in the Rochester area. Our somewhat fractured distribution system and existing reserve margin call for a robust solution that will accommodate long-term growth.

Q. IS MERC DIRECTLY INVOLVED WITH THE NNG WORK?

A. No. NNG is operating independently. The division of labor between MERC and NNG calls for MERC to undertake work on the distribution system and for NNG to work on the interstate pipeline system that provides capacity to MERC.

Q. HOW DO MERC AND NNG INTERACT IN THIS SITUATION?

A. MERC has a contract with NNG that requires NNG to supply specified amounts of transportation capacity under specified conditions. This contract, known as the Precedent Agreement ("PA"), sets the terms and conditions under which NNG will provide additional capacity to MERC. Ms. Mead's Direct Testimony describes the PA.

Q. HAVE YOU REVIEWED THE PA AND NNG'S OBLIGATIONS TO PROVIDE ADDITIONAL CAPACITY TO MERC?

A. Yes. I have reviewed NNG's plans to assess whether they will meet MERC's operational requirements and will provide capacity to the MERC system at the contracted-for minimum pressures.

Q. DO YOU HAVE AN UNDERSTANDING OF THE WORK NNG PROPOSES TO INCREASE CAPACITY INTO ROCHESTER?

A. At a very high level, yes, although I am not privy to NNG's plans and have not conducted a detailed analysis. As I mentioned, MERC's role is to design, construct and operate the distribution system. Under the PA, NNG provides us additional interstate pipeline

capacity to meet specified operational requirements. It is NNG's responsibility to implement the upgrades necessary to perform.

Q. PLEASE PROVIDE A BRIEF SUMMARY OF THE UPGRADES NNG IS EXPECTED TO MAKE.

A. I understand NNG will install a 15,000-hp compressor at Lake Mills, Iowa, which is near NNG's interconnection at Ventura, Iowa. This added compression will increase the pressure within its main transmission lines into Minnesota, necessitating additional regulation and associated upgrades to the NNG system.

As result of its upgrades, NNG is obligated by the PA to increase pipeline capacity into the Rochester area by approximately 45,000 dekatherms for a total MERC contracted amount of approximately 100,000 dekatherms per day.

Q. HAVE ANY OF THESE PERFORMANCE SPECIFICATIONS CHANGED SINCE THE PETITION WAS FILED?

A. Yes. Originally, the NNG work was designed to provide guaranteed peak-day deliveries to all of the Rochester TBSs at 500 psig. In an effort to contain costs, NNG eliminated a 2.6 mile segment of 12-inch pipe to TBS 1D that results in the reduction of guaranteed peak-day pressure from 500 to 450 PSIG at that TBS.

Q, FROM AN OPERATIONAL PERSPECTIVE, WHAT ARE THE IMPLICATIONS OF REDUCING THE GUARANTEED PEAK-DAY PRESSURE FROM 500 TO 450 PSIG?

A. This change should have no impact on MERC's firm customers and I do not believe it materially reduces our firm system reliability.

The decreased delivery pressure at Rochester TBS 1D could affect the outlet pressure that MERC runs in the 12-inch line currently in place. The rebuild of Rochester TBS 1D will require pressure control valves that will need to be sized to accommodate the load at a minimal differential pressure. Our goal is to maintain as close to 400 psig on our current line to keep our distribution capacity at design capacity.

IV. CONCLUSION

Q. PLEASE SUMMARIZE YOUR TESTIMONY.

A. The Sections of the Petition that I am responsible for provide a robust description of the engineering and construction of the distribution upgrades associated with the Project. I am available to answer questions that may arise relating to those topics.

Q. DOES THIS COMPLETE YOUR DIRECT TESTIMONY IN SUPPORT OF THE ROCHESTER PROJECT?

A. Yes, it does.

PUBLIC DOCUMENT
HIGHLY SENSITIVE TRADE
SECRET INFORMATION EXCISED

Direct Testimony and Schedules
Timothy C. Sexton

Before the Office of Administrative Hearings
600 North Robert Street
St. Paul, Minnesota 55101

For the Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, Minnesota 55101

In the Matter of a Petition by Minnesota Energy Resources Corporation for Evaluation and Approval of Rider Recovery for Its Rochester Natural Gas Extension Project

MPUC Docket No. G011/M-15-895
OAH Docket No. 68-2500-33191
Exhibit _____

Direct Testimony

Independent Evaluation

April 15, 2016

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I. INTRODUCTION AND WITNESS QUALIFICATIONS.

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Timothy C. Sexton. My business address is 19500 State HWY 249, Suite 160, Houston, TX 77070.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

A. I am President of Gas Supply Consulting, Inc., which I will refer to as GSC.

Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?

A. I am testifying on behalf of the applicant, Minnesota Energy Resources Corporation ("MERC").

Q. PLEASE DESCRIBE YOUR EDUCATION AND YOUR EXPERIENCE IN THE NATURAL GAS BUSINESS.

A. I received a Bachelor of Science degree in Civil Engineering from the University of Texas in May 1989 and a Master of Business Administration from the University of Houston in August 1993. I am a licensed professional engineer in the state of Texas. I have been actively involved in the natural gas business for approximately 27 years. I began my career at Koch Gateway Pipeline Company (formerly United Gas Pipeline Company and currently Gulf South Pipeline Company) in various engineering, operations, planning and marketing positions, culminating in the position of Regional Manager of Supply Services.

I have been with GSC since June 1994. At GSC, I held the position of Associate from 1994 through 2006 and Vice President from 2006 through 2011. I have been the President of GSC since January 2012.

Q. PLEASE DESCRIBE GSC'S BUSINESS.

A. GSC provides consulting services for clients in various segments of the natural gas industry. Our clients include local distribution companies, electric power generators, natural gas end-users, natural gas producers, LNG importers and exporters, midstream transporters, customer groups, and other participants in the natural gas industry.

Q. WHAT TYPES OF CONSULTING SERVICES DOES GSC TYPICALLY PROVIDE FOR ITS CLIENTS?

A. Our services include:

- evaluating pipeline expansion project alternatives;
- evaluating pipeline infrastructure and capability of infrastructure to meet client requirements;
- gas supply planning, including the design of service and supply portfolios;
- energy purchasing audits;
- negotiating natural gas transportation, storage and balancing services;
- negotiating term firm gas supply agreements;
- evaluating service alternatives, including opportunities to introduce competition;
- designing and implementing supply related risk management programs;

- evaluating the optimization of contracted supplies and services;
- evaluating adequacy of pipeline facilities to meet demand requirements;
- analyzing natural gas pipeline contingency and reliability;
- developing and analyzing natural gas pipeline steady state and transient flow simulation models; and
- preparing preliminary pipeline engineering evaluations and cost estimates.

Q. DO YOU HAVE ANY RECENT EXPERIENCE WITH OTHER MARKET DRIVEN PIPELINE EXPANSION PROJECTS?

A. Yes. A significant portion of GSC's business is assisting clients in the development of infrastructure solutions to meet long term natural gas demand requirements. In fact, a few such projects that I have taken a significant role in over the past five years include the following:

i. Supported Florida Power & Light Company ("FP&L") in its development of a competitive bid process, evaluation of proposals and negotiation of precedent agreements that ultimately led to FP&L entering into a precedent agreement that supported the development of the Sabal Trail Pipeline and Florida Southeast Connection projects.

ii. Supported Duke Energy ("Duke") in its development of a competitive bid process, evaluation of proposals and negotiation of precedent agreements that ultimately led to Duke entering into a precedent agreement that supported the development of the Atlantic Coast Pipeline, LLC project.

iii. Supported Osaka Gas Co., Ltd. (one of three tollers at Trains 1 and 2 of the Freeport LNG project) in its development (in conjunction with the other two tollers) of a competitive bid process, evaluation of proposals and negotiation of precedent agreements that ultimately led to Osaka Gas entering into a precedent agreement that supported the development of Gulf South Pipeline's "Coastal Bend Header Project".

iv. Supported Wisconsin Gas Company LLC (now an affiliate of MERC but not at that time) in its development of a competitive bid process, evaluation of proposals and ultimately development of a "self-build" alternative that resulted in the construction of Wisconsin Gas's West Central Lateral Project.

Q. Did you submit written or oral testimony in support of any of the pipeline projects discussed above?

A. Yes. I submitted written testimony to the Florida Public Service Commission in FPSC Docket Number 130198-EI in support of FP&L's decision to enter into contracts with Sabal Trail Gas Transmission and Florida Southeast Connection Pipelines and I provided written and oral testimony to the Public Service Commission of Wisconsin ("PSCW") in PSCW Docket Number 6650-CG-233 in support of Wisconsin Gas's decision to construct its West Central Lateral Project.

Q. HAVE YOU PROVIDED TESTIMONY IN ANY OTHER FEDERAL OR STATE REGULATORY PROCEEDINGS?

A. Yes. I provided written and oral testimony in FERC Docket RP04-249 and in the state of Florida in FPSC Docket Number 090172-EI.

II. PURPOSE OF TESTIMONY AND SUMMARY OF CONCLUSIONS.

Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS PROCEEDING?

A. Based on my analysis and my experience in the natural gas business, I am providing the Commission with information and with my professional conclusions with respect to the following issues:

1. The need for additional firm gas pipeline transportation capacity to serve MERC's customers in and around Rochester, Minnesota.
2. MERC's decision to obtain capacity needed to support long term demand growth requirements.
3. The request for proposal ("RFP") process undertaken by MERC to assess alternatives in meeting incremental natural gas pipeline capacity demand.
4. The proposals received in response to MERC's RFP and whether MERC made a reasonable decision to move forward with Northern Natural Gas Company ("NNG").
5. The final negotiated proposal between MERC and NNG versus the other alternatives available to MERC.

Q. Are you sponsoring any Exhibits with your Direct Testimony?

A. Yes. I am sponsoring the following exhibits attached to my direct testimony.

Exhibit ___ (TCS-1) which is a copy of my CV.

Exhibit ___ (TCS-2) which is a comparison of pipeline installation costs versus pipeline diameters over the past ten years in the United States.

Highly Sensitive Trade Secret Exhibit ____ (TCS-3) which is an Independent Bid Evaluation that I developed to compare the economic impact to MERC and its customers associated with the various bid responses to the RFP, a comparison of the relative value of the bids received compared against (i) the original NNG bid, (ii) the initial negotiated Precedent Agreement, and (iii) final NNG pricing. This Exhibit contains extra sensitive and trade secret information about the proposals I evaluated. It contains third-party competitive and confidential information that, if known by competitors, could give competitors a commercial advantage. As a result, I have designated this exhibit "Highly Sensitive Trade Secret" in its entirety. I understand that due to this Exhibit's confidential nature, it is being separately filed in Commission Docket No. G-011/M-16-315. A redacted version of this Exhibit is included with this testimony.

III. NEED FOR ADDITIONAL GAS TRANSPORTATION CAPACITY

Q. PLEASE DESCRIBE THE EXISTING NATURAL GAS PIPELINES THAT CAN DELIVER NATURAL GAS TO THE AREA IN AND AROUND ROCHESTER, MINNESOTA.

A. There is only one pipeline currently capable of delivering natural gas to the area in and around Rochester, Minnesota. This pipeline is NNG, which delivers natural gas to MERC at its Town Border Station delivery points of Rochester MN #1B and Rochester MN #1D (the "Rochester Gate Stations").

Q. Is there incremental, unsubscribed, pipeline capacity available on the NNG system to support growth requirements at Rochester, Minnesota and the surrounding area?

A. No. The NNG pipeline system is fully subscribed (sold out with respect to firm transportation service) to this location and there is no incremental capacity available on the system to support growth in natural gas usage in and around Rochester, Minnesota.

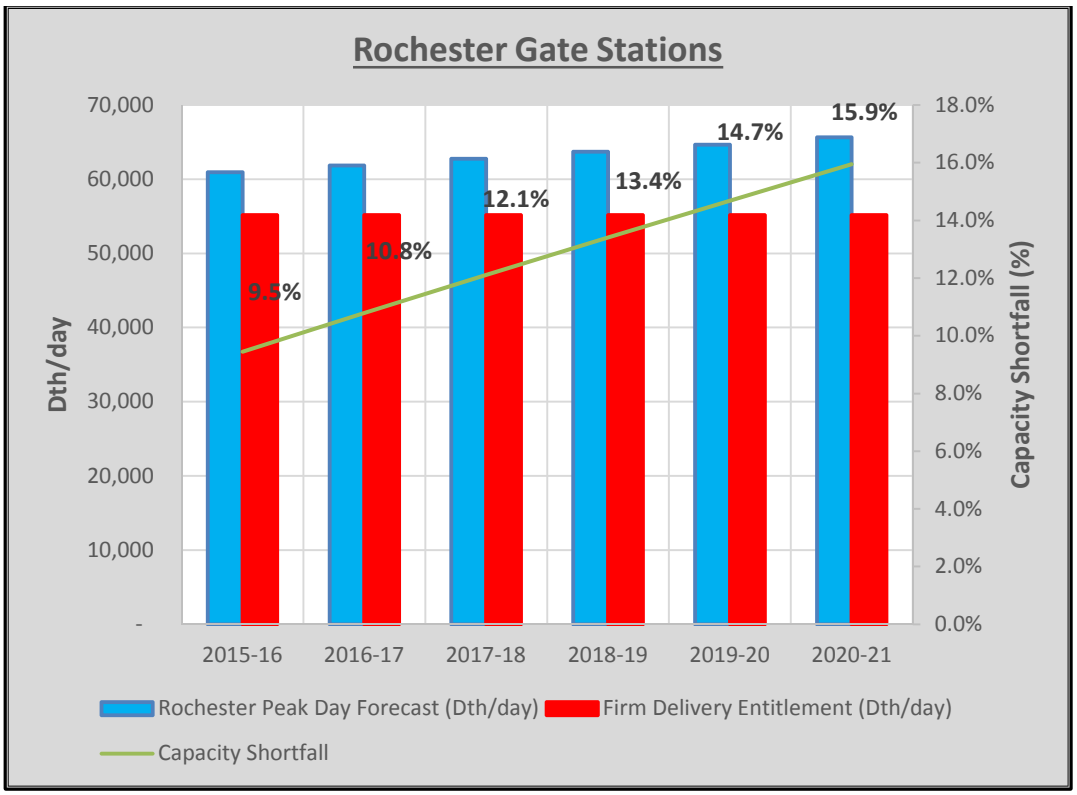
Q. What are MERC's contracted peak day firm delivery rights to Rochester?

A. Prior to the initiation of the current project, MERC held 55,169 Dth/day of primary firm delivery entitlement capacity to the Rochester Gate Stations.

Q. Is this capacity sufficient to support MERC's projected firm sales demand growth in and around Rochester?

A. No. Based upon its current firm system sales forecast, in the absence of any firm capacity additions, MERC projects a shortfall in delivery entitlement to the Rochester

gate of 6,734 Dth/day in the 2016-17 winter with this shortfall projected to continue to increase with demand growth moving forward. The following chart illustrates MERC"s projected firm capacity shortfall to the Rochester area through the year 2020-21 based upon MERC's current firm delivery entitlement on NNG to this location.



As illustrated in the chart, in order to support its firm customer requirements in the Rochester area MERC must add capacity to this area as soon as it can be made available.

Q. DOES MERC HOLD FIRM DELIVERY ENTITLEMENT ON NNG TO OTHER MARKETS IN MINNESOTA?

A. Yes. MERC has a total company-wide firm peak day delivery entitlement with NNG of 248,952 Dth/day. As such, in addition to the 55,169 Dth/day of delivery entitlement to the Rochester Gate Stations, MERC holds 193,423 Dth/day of delivery entitlement to non-Rochester delivery points.

Q. WOULD IT BE POSSIBLE FOR MERC TO RE-ALIGN FIRM CAPACITY RIGHTS ON NNG FROM OTHER MINNESOTA DELIVERY POINTS TO THE ROCHESTER GATE STATION TO MEET ROCHESTER DEMAND GROWTH REQUIREMENTS?

A. No.

First, it is important to recognize that MERC's NNG capacity rights are designed to meet the needs of MERC's firm customers throughout the state of Minnesota with much of this demand located in parts of the state that are a great distance from Rochester. As a result, the majority of the firm capacity delivery rights held by MERC on the NNG system do not utilize the same NNG delivery laterals (branchlines) or mainline capacity as that designed to support deliveries in the Rochester area. As a result, the majority of MERC's capacity could not be realigned to the Rochester area without expansions of NNG facilities designed to serve that area.

Second and perhaps more important, even if capacity rights could be re-aligned from other delivery points, MERC does not hold excess capacity to alternate delivery points so there is no available excess capacity to be re-aligned. Specifically, MERC currently holds 248,952 Dth/day of firm delivery entitlement with NNG. In addition, MERC

maintains 3,535 Dth/day of deliverability via the Northwest Gas and Northwestern Energy distribution systems to its NNG markets for a total firm delivery capacity to its NNG markets of 252,127 Dth/day. In contrast, MERC's firm sales demand at its NNG area markets[1] was forecast to equal a total of 245,263 Dth/day during the 2015-16 winter season. Thus, prior to the initiation of this proposed capacity expansion, MERC maintained a minimal capacity reserve margin of only 6,864 Dth/day or only 2.80% versus peak day demand requirements on the portion of its system supplied by NNG.

As such, there is no excess delivery capacity in its portfolio available for MERC to re-align to the Rochester area.

Q. IN YOUR OPINION, IS MERC'S CURRENT PIPELINE CAPACITY RESERVE MARGIN CONSISTENT WITH INDUSTRY PRACTICE?

A. No. In my experience, most utility distribution companies maintain capacity reserve margins in the 3% to 7% range with targets near 5% with variances in reserve margin targets resulting from unique local conditions. Reserve margin capacity is typically maintained to support system upsets, variances between actual and forecasted demand requirements and/or to protect against capacity restrictions during peak day conditions. In my opinion, MERC's current overall reserve margin is low versus the industry standard 5% level.

[1] As included in MERC's Petition for Approval of a Change in Demand Entitlement dated July 31, 2015 (Docket No. G011/M-15-723).

Q. DOES MERC'S MINIMAL RESERVE MARGIN CAUSE POTENTIAL RELIABILITY CONCERNS?

A. Yes. Until such time as the incremental capacity is placed in service, there is little margin for error in forecast and little room to support short term firm growth requirements. As a result, if the forecast is off by more than a few percent or if new development results in a need for near term additional capacity, system reliability could be at risk. It is for this reason that I would typically recommend a reserve margin closer to the industry standard 5%.

Q. YOU MENTIONED THAT RESERVE MARGIN TARGETS CAN VARY BASED UPON UNIQUE LOCAL CONDITIONS. ARE YOU AWARE OF ANY OF THESE CONDITIONS THAT IMPACT MERC'S MARKET AREAS?

A. Yes. One local condition that impacts the evaluation of reserve margin is the availability of unsubscribed capacity in the marketplace. In a market where there is excess capacity available, the local market can simply acquire additional capacity from that which is available as unsubscribed on a "just-in-time" basis as market growth occurs to maintain the target 5% capacity reserve margin on an ongoing basis.

Conversely, in markets such as the Rochester area specifically or Southeast Minnesota generally, where unsubscribed pipeline capacity is not available, new pipeline and/or compression must be installed to provide incremental capacity. Since a lead time of three years or more is typically required to support facility expansions, capacity cannot be

acquired on a "just-in-time" basis. Rather, in order to retain the reliability supported by a five percent reserve margin of capacity, expansions must be planned years in advance which typically results in capacity acquired in tranches with resulting reserve margins in excess of 5% in the initial years after the in-service date of an expansion project. The cycle then repeats with the next expansion project planned to coincide with the date at which demand growth is sufficient to reduce capacity reserve back down to the 5% level.

Q. WHAT DO YOU CONCLUDE WITH RESPECT TO THE NEED FOR ADDITIONAL GAS PIPELINE TRANSPORTATION CAPACITY TO SERVE CUSTOMERS IN AND AROUND THE ROCHESTER, MINNESOTA AREA?

A. Based upon the facts that:

- There is only one pipeline service provider to this area (NNG);
- NNG is fully subscribed with no incremental capacity currently available for sale to the Rochester Area;
- MERC has no excess capacity in its portfolio of services that can be utilized to serve Rochester demand; and
- Rochester demand growth has occurred such that demand now exceeds MERC's delivery entitlement on the NNG system,

I conclude that there is a need for additional gas pipeline capacity to serve customer demand in and around the Rochester, Minnesota area.

IV. CAPACITY TO MEET LONG TERM GROWTH REQUIREMENTS

A. Capacity Acquisition Alternatives

Q. BASED UPON YOUR EXPERIENCE, CAN YOU PROVIDE SOME BACKGROUND RELATED TO COMMON INDUSTRY PRACTICE TO ACQUIRE FIRM PIPELINE TRANSPORTATION SERVICE CAPACITY TO MEET CUSTOMER GROWTH NEEDS?

A. Yes. As I will explain in detail later in my testimony, the key criteria in evaluating the appropriate path to acquire firm pipeline capacity to serve growth requirements is an understanding of whether or not there is available "unsubscribed" capacity in the local market.

If there is unsubscribed capacity in the market, incremental firm capacity can be obtained by simply contacting the pipeline providing service to the area and negotiating a transaction to purchase available unsubscribed capacity as needed to meet growth requirements. In contrast, if sufficient unsubscribed capacity is not available, then capacity can only be acquired if it is accompanied by the physical expansion of pipeline infrastructure to the area.

As a result, when faced with a market that does not have sufficient unsubscribed capacity, a party seeking to acquire incremental capacity must recognize the realities that: (i) there can be significant lead times (3 years of more) to design, permit and construct a supporting expansion project; and (ii) larger expansion projects provide benefits associated with economies of scale and scope that cannot be provided with a small expansion project. For

these reasons, in an environment where unsubscribed capacity is not available, capacity is generally purchased three or more years before it is required and is generally purchased to meet long term growth requirements rather than simply meet near term needs.

B. Benefits of Large Scale Pipeline Expansion Projects.

Q. IN AN ENVIRONMENT WITH AVAILABLE UNSUBSCRIBED CAPACITY IN THE MARKETPLACE, IS IT REASONABLE TO ACQUIRE CAPACITY IN SMALL INCREMENTS TO MEET NEAR TERM (3 TO 5 YEAR) FORECASTED GROWTH REQUIREMENTS?

A. Yes. In an environment where there is available unsubscribed capacity on the pipeline or pipelines providing service to an area, a program of short term capacity acquisitions is appropriate. In this environment, as no expansion facilities would be required on the pipeline to provide additional capacity, the disadvantages associated with small volume capacity expansions are not relevant. Rather, a customer can simply request a capacity addition from the pipeline providing service and negotiate an appropriate rate for such capacity.

Q. IS THERE UNSUBSCRIBED FIRM NATURAL GAS TRANSPORTATION CAPACITY AVAILABLE TO THE ROCHESTER, MINNESOTA AREA?

A. No. As I explained above, the Rochester area is served by a single upstream pipeline, NNG, and NNG's system is fully subscribed to this area with no incremental capacity available to meet demand growth absent expansion projects such as the one proposed by MERC.

Q. IN AN ENVIRONMENT IN WHICH THERE IS NO AVAILABLE UNSUBSCRIBED CAPACITY, WHAT ARE SOME ADVANTAGES ASSOCIATED WITH LARGE SCALE VERSUS SMALL SCALE CAPACITY EXPANSION PROJECTS?

A. Meeting long-term demand requirements via a single large scale expansion project provides the following advantages:

- A single large scale project has the potential to result in long term design efficiencies with resulting lower costs than a series of small scale projects
- A single large scale project can provide cost savings associated with economies of scale versus a series of small scale projects;
- Large scale expansion projects support the introduction of potential competitive alternatives as there can be large barriers to entry with small scale expansions that prevent competitive service providers from entering a market;
- Large scale expansion projects can provide long-term growth capacity to the local market whereas small scale expansion projects can result in ongoing short-term capacity shortfalls due to project timing requirements;
- Growth capacity provided by large scale expansion projects is available to support ongoing economic development and/or unforeseen demand growth. Such capacity would not be available with construction of incremental small scale projects.

Q. CAN YOU EXPLAIN HOW ACQUISITION OF CAPACITY IN SMALL INCREMENTS CAN RESULT IN LONG TERM INEFFICIENCIES AND RESULTING HIGHER COSTS?

A. Yes.

The capacity that MERC is proposing to acquire from NNG in this proceeding provides a useful example of this phenomenon. In order to expand its mainline facilities to transport the requested quantities on behalf of MERC from Ventura, Iowa to NNG's La Crosse branchline (which ultimately transports the natural gas from NNG's mainline to the Rochester area), NNG is proposing to install a 15,000 HP compressor unit on its system near Lake Mills, Iowa, which is about 20 miles from NNG's Ventura interconnection. This compressor will enable NNG to transport up to 45,000 Dth/day of capacity along the mainline on behalf of MERC.

In contrast, if MERC had requested capacity to support only three years of demand growth at Rochester (about 3,200 Dth/day of capacity), and NNG supported the mainline capacity expansion via incremental horsepower, the incremental horsepower requirement would likely have only been about 1,000 HP to 1,500 HP. Using the incremental approach, this project would then be repeated multiple times to eventually provide the required 15,000 HP to meet the long term 45,000 Dth/day capacity requirement. Thus, in order to meet long-term demand requirements with an incremental approach via compression expansion, NNG would ultimately install ten to fifteen small compressors, with each unit installed once every three to five years to ultimately provide the equivalent of the single large scale 15,000 HP

unit. The installation of multiple increments of compressor horsepower would have resulted in significant inefficiencies and associated increases in costs to purchase and install these multiple units versus the single unit being installed to support long term demand growth.

Q. IS IT REASONABLE TO ASSUME THAT NNG WOULD CHOOSE TO INSTALL MULTIPLE SMALL INCREMENTS OF COMPRESSOR HORSEPOWER TO SUPPORT THESE THEORETICAL SMALL INCREMENTS OF CAPACITY?

A. That is one approach to responding to a series of smaller capacity increases. In addition to the added compression it is also possible that NNG might choose to install additional pipeline looping to accommodate the increased flow. While I cannot specify exactly which expansion facilities NNG would ultimately install to support a series of small incremental expansions, I can conclude that any such installation would create design inefficiencies as opposed to the one-time large expansion project.

For example, rather than small compressor additions, NNG might consider adding sections of pipeline loop along its mainline to support each small capacity increase. In this hypothetical scenario, NNG would be installing a series of loops to increase capacity on an incremental basis. In addition to being less efficient than the one time larger scale compressor installation, this approach would also result in much greater impacts due to repetitive construction cycles associated with the installation of multiple pipeline loop sections.

It is important to remember that NNG has concluded that the most efficient method to provide 45,000 Dth/day of incremental mainline capacity to MERC is via installation of a single 15,000 HP unit. As a result, any long term incremental approach, whether it be the installation of segments of pipeline loop, installation of small horsepower compressor units or some combination of the two, would not result in a project with a design that is as efficient as that provided by a single 15,000 HP compressor.

Q. YOU MENTIONED ABOVE THAT THERE ARE ECONOMIES OF SCALE BENEFITS ASSOCIATED WITH LARGER CAPACITY PROJECTS. CAN YOU EXPLAIN WHY THESE ECONOMIES OF SCALE EXIST?

A. Economies of scale resulting from larger pipeline expansions result from two sources. The first reflects economies of scale that arise within any construction project as costs remain fairly static regardless of the size of a project. Consequently, when evaluating costs on the basis of dollars of capital cost versus Dth's of capacity created, these static costs decline on a $/Dth basis as the project size increases.

The second source is a bit unique to natural gas projects and relates to the fact that hydraulics dictate that the capacity of a segment of pipe does not follow a linear relationship versus the pipeline diameter whereas pipeline installation costs to tend to follow a linear relationship with pipeline diameter. As a result, as pipe size increases, capacity increases at a faster rate than facility installation costs, which results in economies of scale savings.

Q. CAN YOU PROVIDE SOME EXAMPLES OF STATIC COSTS IN PIPELINE CONSTRUCTION PROJECTS?

A. Yes. Examples of these types of costs associated with a pipeline expansion project include:

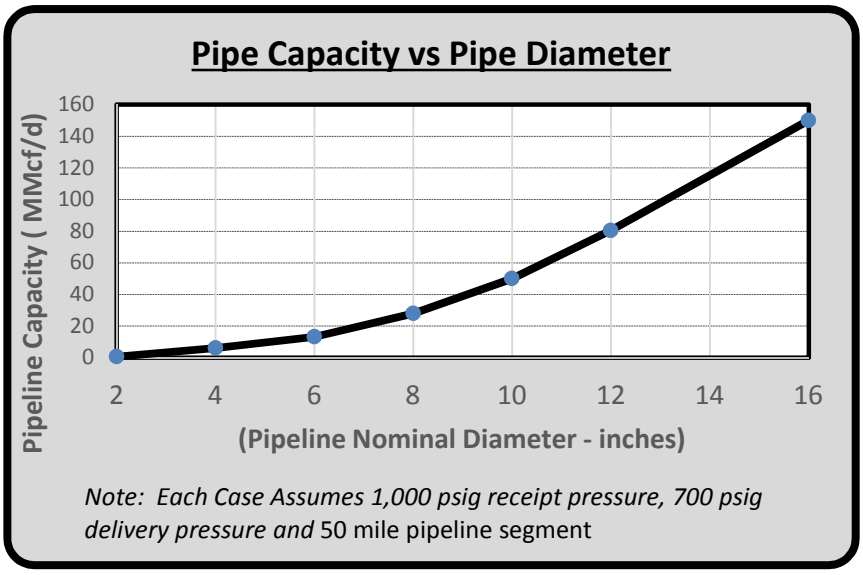
- Development Costs: Interacting with potential customers; developing proposals, preliminary designs, estimating project costs, designing proposed rates; and negotiating supporting contracts.
- Costs of Project Design: Once project scope is agreed with a customer, a detailed project design must be developed. Project design costs are not completely scalable. While design costs do increase somewhat proportionally with longer pipeline lengths or increased compression requirements, generally design costs remain somewhat static regardless of the capacity quantity created. Specifically, if the only adjustment to increase capacity is to increase the size of the pipeline, and pipeline length and compression requirements are constant, then there would be little difference in design costs regardless of the size of the pipe. For example, if a higher capacity project resulted in an increase in pipe size from a 4" pipe to a 16" pipe but pipeline mileage stayed constant, the 16" pipe would provide much greater capacity but both projects would still need to develop a similar engineering design with similar development costs for the full length of the pipeline route.
- Civil Surveys, Environmental Surveys and Permitting: Civil surveys to gain an understanding of local terrain and environmental surveys and permitting are required along the full pipeline route regardless of the size of a pipeline.

- Regulatory and Legal Costs: Regardless of the size of the pipeline, the pipeline company must comply with all regulatory and legal obligations and will incur costs associated with such compliance.
- Mobilization / De-Mobilization Costs: Costs to mobilize and de-mobilize labor and construction teams will be incurred regardless of the size of the project.

These examples above are just a few of the types of costs that will be incurred regardless of the size of the pipe and as such, costs associated with these tasks will decrease on a unit cost basis as the capacity of the expansion project increases.

Q. CAN YOU PROVIDE MORE DETAIL REGARDING ECONOMIES OF SCALE RELATED TO HYDRAULICS?

A. Yes. Pipeline capacity does not increase on a linear basis versus pipeline diameter, in contrast to pipeline installation costs which generally do increase on a somewhat linear basis with respect to pipeline size. As an example of this phenomenon, the following chart illustrates pipeline capacity for various standard pipeline diameters with fixed receipt and delivery point pressures and assuming standard ambient conditions and design parameters.



As illustrated in the chart, the capacity of a pipeline segment increases at a more rapid pace than the diameter of the pipeline segment. For example, the capacity of a 12" segment of pipeline under these conditions is about 80 MMcf/day whereas the capacity of a 16" segment of pipeline is about 150 MMcf/day. Thus, in this case, the pipeline diameter increased by 33% whereas the capacity increased by more than 85%.

In contrast, as illustrated in Exhibit TCS - 2 the cost of pipeline installations does tend to escalate in a linear fashion with pipe size. For example, as pipe size increases from a 12" to a 16" pipe, cost correspondingly increases by approximately 33% whereas capacity increases by more than 85%. As a result, capacity (on a per unit basis) would typically cost less with the larger diameter, higher capacity 16" project than a similar 12" project.

Q. PLEASE EXPLAIN YOUR STATEMENT THAT LARGE SCALE CAPACITY EXPANSION PROJECTS FOSTER A COMPETITIVE ENVIRONMENT.

A. A large project presents economies of scale that could be leveraged by competitors seeking to deliver supplies to a new market, which in turn places competitive pressure on the existing supplier. Using the current MERC project for example, a large-scale project fostered competition because third party bidders were able to propose alternatives that would source supplies from a distance of at least 80 miles from Rochester. The presence of those other bidders would tend to put competitive pressure on the existing pipeline to propose its expansion alternative in a cost-effective and competitive manner.

Conversely, if MERC were looking for a small growth quantity of capacity, there would simply not be a sufficient quantity of capacity available to allocate the capital costs necessary to construct a greenfield pipeline from this distance. As a result, under that scenario, the existing pipeline would have had no competition for expansion of its system. As a result, an incremental approach would have lacked competitive pressures.

Q. CAN YOU EXPLAIN WHY SMALL SCALE EXPANSION PROJECTS CAN RESULT IN ONGOING SHORT TERM CAPACITY SHORTFALLS DUE TO PROJECT TIMING REQUIREMENTS?

A. Yes. A pipeline service provider must work through many steps to initiate a capacity expansion project. These steps include such tasks as negotiation of agreements, project design, regulatory requirements, acquisition of permits, acquisition of right of way, acquisition of materials and project construction. As a result, even a small pipeline project

typically requires 24 to 36 month lead time from project development to project in service. Further, this lead time does not include the time required for the entity acquiring the capacity to evaluate its needs and determine that the capacity is needed.

In order to meet this timeline, a customer such as MERC must request incremental firm pipeline transportation capacity a minimum of 36 months prior to the time it is needed, which likely means that evaluations to determine requirements would commence 42 to 48 months before the capacity expansion in-service date.

Recognizing this timeline, if a customer such as MERC adopts a "just in time" philosophy and attempts to acquire capacity exactly as needed, the company would be acquiring capacity in small increments three to four years prior to the actual need. As a result, any change in projected capacity requirements that occurs during this four year window such as a change in forecast, customer additions, customers switching from transport to sales service, etc. could result in a capacity shortfall between the project design and the capacity ultimately required.

Q. HOW DOES A LARGE SCALE EXPANSION PROJECT SUPPORT ONGOING ECONOMIC DEVELOPMENT AND UNFORESEEN DEMAND GROWTH?

A. In the event that small scale expansion projects are pursued and service capacity is constrained to an area, there would be a corresponding lack of capacity to support economic development and/or unforeseen growth. In fact, due to the time required to initiate a pipeline capacity expansion, any increased demand associated with unexpected economic

development could result in a minimum four year capacity shortfall or in the worst case, the economic development opportunity might simply not materialize due to the fact that capacity is not available to support its needs. Conversely, if a quantity of excess capacity is constructed to a specific market, such as Rochester, capacity would be available to meet ongoing economic development and/or unforeseen growth requirements.

Q. CAN YOU ESTIMATE HOW MUCH SUCH AN INCREMENTAL APPROACH WOULD HAVE COST IN THIS INSTANCE?

A. Not with precision, because important variables in the sequencing of the smaller incremental upgrades cannot be accurately known. However, I can provide a rule of thumb for the Commission to consider.

It is my understanding that NNG has estimated that the cost to add 15,000 HP of compression is about $27-30 million, which equates to a unit cost of approximately $1,800 to $2,000 per HP installed. In contrast, the installation of smaller compressors like the ones I describe here would be relatively much more expensive.

As an example, within its West Leg 2014 project, NNG has proposed the installation of various facilities including 4,700 HP of compression at its proposed Fremont Compressor Station to be located in Dodge County, Nebraska. Per NNG's FERC Certificate Application filing, the estimated cost of the 4,700 HP of compression at the Fremont station is approximately $18 million equating to a unit cost of approximately $3,800 per HP installed.

On a $/HP unit cost basis, this is about double the cost of the facility proposed in the MERC transaction.

As the horsepower that would be installed in the hypothetical example above was even smaller than that to be installed by NNG at Fremont, the cost of this incremental compression could have been even higher than that to be installed at Fremont.

While I cannot be precise, I am confident that this incremental approach to obtain the same capacity upgrade would have been at least two to three times the cost of the chosen upgrades.

C. Market Driven Projects Designed to Serve Long Term Requirements

Q. DO YOU HAVE RECENT EXPERIENCE WITH OTHER MARKET DRIVEN PIPELINE EXPANSION PROJECTS THAT WERE DESIGNED TO SERVE LONG TERM GROWTH REQUIREMENTS?

A. Yes. I have represented various clients with respect to the acquisition of pipeline capacity that supported long term demand growth requirements. In fact, within the past five years, I have represented:

(a) Florida Power & Light Company in support of its capacity expansion process that resulted in agreements supporting the construction of the Sabal Trails and Florida Southeast Connection Projects;

(b) Duke Energy Carolinas, LLC and Duke Energy Progress, Inc. (referred to herein collectively as "Duke Energy") in support of Duke Energy's capacity expansion process that resulted in agreements supporting the construction of the Atlantic Coast Pipeline Project;

(c) Wisconsin Gas in support of its RFP and negotiation process that ultimately led to the construction of its West Central lateral project in West Central Wisconsin.

Q. IN WHAT RESPECT ARE THESE PROJECTS SIMILAR TO MERC'S REQUEST TO ENTER INTO A CAPACITY AGREEMENT WITH NNG THAT SUPPORTS LONG TERM DEMAND REQUIREMENTS?

A. Similar to MERC, recognizing the benefits of larger scale expansion projects, FP&L, Duke Energy and Wisconsin Gas sought to acquire capacity to meet long term growth requirements rather than initiate smaller scale incremental capacity acquisition projects.

Further, each was the subject of a state commission proceeding in which approval was sought to either enter into long term pipeline capacity contracts (FP&L and Duke) or to construct a utility owned pipeline facility (Wisconsin Gas) designed to support long term growth requirements.

In each case, the applicable state commission provided oversight and regulatory concurrence that enabled the projects to move forward as requested.

Q. WHAT WERE YOUR ROLES AND RESPONSIBILITIES ASSOCIATED WITH THE FLORIDA POWER & LIGHT COMPANY IN SUPPORT OF ITS CAPACITY EXPANSION PROJECT?

A. I supported Florida Power & Light Company ("FP&L") by assisting in the development of the RFP, the draft Precedent Agreement, and the parameters to be used to evaluate the bid responses.

Upon receipt of the bid responses, I assisted FP&L in evaluating the non-economic parameters of the bids, participated in follow up meetings with bid respondents, and developed an independent third party economic evaluation of the bids. Finally, after FP&L made the decision to enter into long term capacity agreements with Sabal Trail Transmission, LLC ("Sabal Trail") and Florida Southeast Connection Pipeline ("FSC"), I developed and submitted testimony to the Florida Public Service Commission in support of FP&L's decision to enter into these capacity contracts.

Q. PLEASE DESCRIBE THE INCREMENTAL FIRM TRANSPORTATION CAPACITY ULTIMATELY ACQUIRED BY FP&L THROUGH ITS PIPELINE TRANSPORTATION CAPACITY RFP PROCESS.

A. FP&L ultimately entered into twenty five year service agreements with both Sabal Trail and FSC. These service agreements each have an initial capacity of 400,000 Dth/day commencing in 2017 and an additional 200,000 Dth/day commencing in 2020.

Q. PLEASE DESCRIBE THE SABAL TRAIL TRANSMISSION, LLC ("SABAL TRAIL") AND FLORIDA SOUTHEAST CONNECTION ("FSC") PROJECTS THAT RESULTED FROM THIS ACQUISITION OF CAPACITY.

The Sabal Trail project will initially consist of 465 miles of 36" pipeline extending from an interconnect with Transcontinental Gas Pipeline Company to its proposed Central Florida Hub near Orlando, Florida and two online compressor stations. The FSC project will initially consist of 126 miles of 36"/30" pipeline from the Central Florida Hub to its terminus in Martin County, Florida.

In aggregate, the two projects are estimated to cost about $3.5 billion and each has a proposed in-service date of May 1, 2017.

Q. WAS THERE UNSUBSCRIBED CAPACITY AVAILABLE TO FP&L MARKETS PRIOR TO THE ISSUANCE OF THE RFP?

A. At the time the RFP was issued, pipeline delivery capacity into the state of Florida was 97% subscribed with minimal capacity available to meet growth requirements. Based upon this situation, FP&L determined that new firm pipeline transportation capacity was needed to support its delivery requirements into the state of Florida.

Q. DID FP&L'S CAPACITY RFP SUPPORT THEIR PROJECTED LONG TERM DEMAND GROWTH?

A. Yes. The capacity requested in FP&L's RFP was designed to support the company's growth requirements over a twenty five year period (2017 – 2042). The economic analyses utilized

to evaluate bid alternatives were based upon a comparative analysis of the net present value of costs of each alternative across a projected forty year life cycle analysis (2017 – 2057).

Q. WHAT WERE THE NEAR-TERM CAPACITY RESERVES RESULTING FROM THE FPL PROJECT?

A. First, when evaluating its long term demand growth requirements in support of its project, FPL employed the use of a "risk adjusted peak load forecast" which provided a reliability margin versus FPL's base forecast. FPL's risk adjusted peak load forecast included natural gas demand requirements averaging approximately 10% higher than the base forecast during each year of the planning period. Thus, if considered in terms of a capacity reserve, the use of the risk adjusted forecast incorporates a 10% capacity reserve when evaluating underlying requirements.

Next, FPL's contracts supported the development of approximately 590 miles of large diameter (36" and 30") greenfield pipeline that provided the platform for expansions via the installation of compression. Although the initial tranche of capacity was relatively expensive, the project becomes economic over the long term life cycle as a result of the fact that subsequent "compression only" tranches of capacity are obtained at much lower costs.

FPL negotiated contractual rights of up to 1 Bcf/day of delivery capacity on these pipes. Coupling this 1 Bcf/day of contractual rights with FPL's existing transportation capacity provided FPL with rights to capacity that exceeds its current risk adjusted forecast by approximately 25%.

Thus, adding in the 10% reserve associated with the risk adjusted forecast leaves FPL with contract rights that initially exceed system demand by approximately 35%.

Q. WHAT DID THE FLORIDA PUBLIC SERVICE COMMISSION CONCLUDE REGARDING FP&L'S LONG TERM CAPACITY ACQUISITION SUPPORTING THE PROJECT?

A. In its order in FPSC Docket Number 130198-EI, the Florida Public Service Commission concluded that FP&L's decision to enter into the capacity contracts was based on a fair and open RFP process, that the selected contracts would offer savings over the next best proposal, that FP&L had demonstrated a need for the natural gas pipeline capacity that it was acquiring and that FP&L was eligible to seek recovery of costs associated with the capacity contracts entered into with Sabal Trail and FSC via its fuels clause.[2]

Q. WHAT WERE YOUR ROLES AND RESPONSIBILITIES ASSOCIATED WITH DUKE ENERGY IN SUPPORT OF ITS CAPACITY EXPANSION PROJECT?

A. Prior to the issuance of its joint Request for Firm Gas Transportation Service Proposals (the "RFP") issued in conjunction with Piedmont Natural Gas Company, Inc., I supported Duke Energy in the development of the RFP and in the development of pre-determined parameters used to evaluate the bid responses.

[2] Pages 15 and 16 of Order No. PSC-13-0505-PAA-EI issued on October 28, 2013 by the Florida Public Service Commission within Docket No. 130198-EI.

Next, upon issuance of the bid, I participated in discussions with each recipient of the RFP to respond to any inquiries and provide any necessary clarifications related to the RFP. Upon receipt of bid responses, I assisted Duke Energy in evaluating the bids, participated in follow up meetings with bid respondents, and assisted Duke in the negotiation of a precedent agreement with the successful bidder (the "Atlantic Coast Pipeline" project). Finally, after the precedent agreement was negotiated, I provided support to Duke Energy in its regulatory approval process with the North Carolina Utilities Commission ("NCUC").

Q. PLEASE DESCRIBE THE INCREMENTAL FIRM TRANSPORTATION CAPACITY ACQUIRED BY DUKE ENERGY FROM ATLANTIC COAST PIPELINE AS A RESULT OF THE RFP.

A. Duke Energy entered into precedent agreements with Atlantic Coast Pipeline that included an obligation to enter into twenty-year firm transportation service agreements with an aggregate MDQ of 725,000 MMBtu/day commencing in 2018.[3]

The Atlantic Coast Pipeline project will initially consist of 483 miles of 42" and 36" mainline pipeline, about 81 miles of 16" and 20" lateral pipeline, and three compressor

[3] In addition to its agreements with Duke Energy, the Atlantic Coast Pipeline has also executed Precedent Agreements with Piedmont Natural Gas Co., Inc. (160,000 Dth/day), Virginia Power Services Energy Corp., Inc. (300,000 Dth/day), Public Service Company of North Carolina, Inc. (100,000 Dth/day) and Virginia Natural Gas Company (155,000 Dth/day). The aggregate contracted capacity on the project for all customers (including Duke Energy) is 1.44 Bcf/day.

stations with an aggregate of approximately 118,000 HP. The project will extend from the Marcellus/Utica shale production area to its markets in North Carolina and Virginia. The project is estimated to cost approximately $5.1 billion and has a proposed in service date of November 1, 2018.

Q. PLEASE DESCRIBE THE NATURAL GAS INFRASTRUCTURE THAT PROVIDED CAPACITY TO DUKE ENERGY MARKETS PRIOR TO THE ISSUANCE OF ITS CAPACITY RFP.

A. Prior to the issuance of the RFP, Duke Energy markets in North Carolina were served solely by natural gas delivered via the Transcontinental Gas Pipe Line Company, LLC. ("Transco"). The Transco pipeline system was fully subscribed to this area at the time that the RFP was issued, resulting in a need for incremental pipeline capacity to meet the growth needs of the local market.

Q. DID THE PIPELINE TRANSPORTATION CAPACITY RFP SUPPORT DUKE'S PROJECTED LONG TERM DEMAND GROWTH?

A. Yes. The capacity requested in the RFP was designed to support both of Duke's existing and projected future generation requirements.

Q. DID DUKE EVALUATE ITS ALTERNATIVE BID PROPOSALS USING A LONG TERM LIFE CYCLE ANALYSIS?

A. Yes. The project was evaluated based upon a twenty year net present value of costs project life cycle analysis.

Q. WHAT DID THE NCUC CONCLUDE WITH RESPECT TO DUKE ENERGY'S REQUEST TO ENTER INTO PRECEDENT AGREEMENTS, SERVICE AGREEMENTS AND NEGOTIATED RATE AGREEMENTS WITH THE ATLANTIC COAST PIPELINE?

A. In its order in NCUC Docket Numbers E-2, SUB 1052 and E-7, SUB 1062, the Duke Energy companies were authorized to enter into the proposed Precedent Agreements, Service Agreements and Negotiated Rate Agreements with Atlantic Coast Pipeline and were authorized to make payments thereunder.[4]

Q. WHAT WERE YOUR ROLES AND RESPONSIBILITIES ASSOCIATED WITH WISCONSIN GASWITH RESPECT TO ITS PROCESS THAT ULTIMATELY LED TO THE CONSTRUCTION OF ITS WEST CENTRAL LATERAL PROJECT IN WEST CENTRAL WISCONSIN?

A. I assisted Wisconsin Gas with development of a pipeline transportation capacity RFP, as well as in the development of bid evaluation criteria to be utilized to evaluate the bid responses.

[4] Page 5 of Order Accepting Affiliate Agreements, Allowing Payment Thereunder and Granting Limited Waiver of Code of Conduct issued by the North Carolina Utilities Commission on October 29, 2014 in NCUC Docket Numbers E-2 Sub 1052 and E-7, Sub 1062.

Upon receipt of the bid responses, I developed comparative evaluations of the bids and assisted in the selection process that ultimately determined that the most favorable project was the construction of Wisconsin Gas' proposed West Central Lateral project.

Finally, after Wisconsin Gas made the decision to proceed with its West Central Lateral Project, I developed and submitted testimony to the Public Service Commission of Wisconsin in support of the utility's decision to move forward with the project.

Q. PLEASE DESCRIBE THE INCREMENTAL FIRM TRANSPORTATION CAPACITY MADE AVAILABLE TO WISCONSIN GAS VIA ITS WEST CENTRAL LATERAL PROJECT AND PLEASE DESCRIBE THE PROJECT.

A. Consistent with the request in its RFP, the West Central Lateral will initially provide Wisconsin Gas with approximately 58,000 Dth per day of incremental pipeline capacity to the target area and is expandable to approximately 81,000 Dth/day.

The West Central Lateral project extends from an interconnection with Viking Gas Transmission near Wilson, Wisconsin to a connection with Wisconsin Gas markets in West Central Wisconsin and consists of approximately 40 miles of 16-inch and 30 miles of 12-inch mainline and assorted smaller diameter delivery laterals. The project had an estimated cost of approximately $178 million and went into service prior to the 2015-16 winter.

Q. WAS THERE AVAILABLE UNSUBSCRIBED CAPACITY TO THE TARGET WISCONSIN GAS MARKETS PRIOR TO THE ISSUANCE OF THE RFP?

A. Prior to the issuance of the RFP, the Wisconsin Gas markets in West Central Wisconsin were served solely by natural gas delivered via the NNG system. The NNG pipeline system to these markets was fully subscribed to this area at the time that the RFP was issued, resulting in a need for incremental pipeline capacity to meet the growth needs of the local market.

Q. DID THE PIPELINE TRANSPORTATION CAPACITY RFP SUPPORT WISCONSIN GAS' PROJECTED LONG TERM DEMAND GROWTH?

A. Yes. The capacity requested in the RFP was designed to support projected growth requirements to the target markets through the 55 year life of the project.

Q. DURING THE INITIAL YEARS OF THE PROJECT LIFE, WAS THE CAPACITY PROVIDED BY THE WEST CENTRAL LATERAL PROJECT PROJECTED TO EXCEED WISCONSIN GAS' SYSTEM DEMAND IN THE TARGET AREA?

A. Yes. As mentioned above, the West Central Lateral project initially provides Wisconsin Gas with 58,000 Dth/day of incremental pipeline capacity to the target area. In contrast, Wisconsin Gas' system sales demand served by the project was projected to be about 11,200 Dth/day and total demand (including transport customer demand) was projected to be about 15,700 Dth/day during the initial year of service (2015-16).

In fact, based upon forecasted data, Wisconsin Gas total sales and transport demand to the target market will not exceed the 58,000 Dth/day of capacity provided until the year 2043.

While the levels of excess capacity in the early years of the project are higher than what utilities generally plan for, it was judged to be reasonable in light of the long-term benefits and the need to support long term growth.

Q. DID WISCONSIN GAS EVALUATE ITS ALTERNATIVE BID PROPOSALS USING A LONG TERM LIFE CYCLE ANALYSIS?

A. Yes. The alternatives were evaluated based upon a life cycle analysis designed to assess the net present value of gas cost savings that would accrue during the fifty five year project life.

Q. WHAT DID THE PSCW CONCLUDE WITH RESPECT TO WISCONSIN GAS' REQUEST TO FOR AUTHORITY TO CONSTRUCT THE WEST CENTRAL LATERAL?

A. In its order in PSCW Docket Number 6650-CG-233, the PSCW authorized Wisconsin Gas to construct the project to meet the long term natural gas needs of its customers at the target markets.[5]

Q. DO YOU DRAW ANY CONCLUSIONS FROM YOUR EXPERIENCE WITH THIRD PARTY PROJECTS REGARDING MERC'S PROPOSED CAPACITY ACQUISITION TO SUPPORT LONG TERM GROWTH REQUIREMENTS?

A. Yes. MERC's proposed acquisition of capacity from NNG to meet long term demand growth requirements is consistent with established practice within the natural gas industry.

[5] Pages 20 and 21 of Final Decision issued on July 18, 2014 in PSCW Docket 6650-CG-233.

In each of the three recent projects discussed above, a market driven decision was made to acquire a larger quantity of capacity than would otherwise be needed to meet near term demand growth. In each of the three scenarios I've described, located in three different regions of the US, unsubscribed capacity was not available to meet growth requirements. This condition led Duke Energy, FP&L, and Wisconsin Gas to determine that it was appropriate to construct projects that provide pipeline capacity to serve long term demand growth requirements.

Q. THE MERC APPLICATION STATES THAT RESERVE MARGINS FOR THE TWO ROCHESTER STATIONS IN THE NEAR TERM MAY BE AS HIGH AS 55 PERCENT IN 2020. BASED ON YOUR EXPERIENCE ELSEWHERE, ARE YOU TROUBLED BY SHORT-TERM RESERVE MARGINS IN THAT RANGE?

A. No. As described previously, MERC faces a critical need for incremental capacity in the Rochester area as firm system demand currently exceeds demand entitlement to this area. Further, MERC also faces a need to add capacity throughout Southeast Minnesota because firm system demand currently exceeds entitlements at more than twenty points in this area. This situation creates reliability concerns. As a result, capacity must be introduced to this area.

As mentioned in more detail later in my testimony, MERC's Precedent Agreement with NNG allows MERC to redirect 20 percent of the Rochester capacity to support needs in other parts of its system. Redirecting this capacity reduces the Rochester reserve margin to approximately 20%. Further, if the capacity reserve is evaluated versus MERC's total

capacity needs including the Rochester Area, the capacity reserve is only about 17% which is reasonable recognizing that expansion facilities must be installed and that larger scale expansion projects are more efficient and provide greater reliability benefits than smaller scale projects. I note that the tables included in the Direct Testimony of Company Witness Sarah Mead provide the factual foundation for these percentages.

V. RFP PROCESS

Q. GIVEN THE NEED FOR INCREASED GAS TRANSPORTATION CAPACITY INTO ROCHESTER, MINNESOTA, HOW DID MERC SET ABOUT DETERMINING HOW TO SECURE THAT ADDITIONAL CAPACITY?

A. Recognizing that additional capacity was required to continue to provide firm, reliable service to its customers in Rochester, Minnesota, rather than simply negotiate a capacity expansion project with the existing service provider (NNG), MERC decided to issue a competitive Request for Proposals to insure that it obtained the most cost effective, competitively priced capacity expansion alternative. The RFP was issued on January 5, 2015.

Q. DID MERC ISSUE THE RFP TO A SUFFICIENT LIST OF BID RESPONDENTS TO OBTAIN A FULL UNDERSTANDING OF ITS COMPETITIVE ALTERNATIVES?

A. Yes. MERC issued the RFP to all of the active pipeline companies operating in the general vicinity of Rochester, Minnesota. This list included NNG, Northern Border Pipeline Company, Viking Gas Transmission, Great Lakes Gas Transmission and Encore

Energy. In addition, MERC published the RFP on its website to solicit additional responses.

Q. CAN YOU DESCRIBE WHAT WAS REQUESTED IN THE RFP?

A. I have not attached a copy of the RFP to this testimony as it is a confidential document**.** However, I understand this document was produced to parties during discovery.

The core elements of the RFP were that it requested that bidders provide incremental firm transportation capacity to MERC at Rochester, Minnesota, with a term commencing August 1, 2017, and with rates quoted based upon a 25-year contract term. Further, the RFP requested that respondents provide this capacity under one of two delivery quantity scenarios.

Q. CAN YOU DESCRIBE THESE TWO SCENARIOS?

A. Yes. The first scenario requested that bidders develop a new pipeline that would provide 100,000 Dth/day of firm transportation capacity to a new MERC town border station on the northwest side of Rochester, Minnesota. The second scenario requested that bidders work with NNG to provide an incremental 45,000 Dth/day of firm transportation capacity to Rochester, Minnesota at the existing Rochester gate stations.

Q. WHY DID MERC REQUEST A PIPELINE DESIGN WITH A CAPACITY OF 100,000 DTH/DAY?

A. Utilizing its current projected 1.50% per year annual growth rate in the Rochester area as supported by MERC witness Mr. David Clabots, MERC projects that firm system sales demand in that part of the State will be slightly greater than 91,000 Dth/day at the end of the twenty-five year term in the year 2042. With a 5% reserve margin added, this converts to a capacity requirement of about 96,000 Dth/day. This number was then rounded up to 100,000 Dth/day for use in the RFP.

Q. WHY DID MERC REQUEST A 2017 IN-SERVICE DATE IN THE RFP?

A. At the time that the RFP was developed, MERC's existing firm capacity rights on NNG to the Rochester delivery point of 55,169 Dth/day had a contract termination date of October 31, 2017. This expiration provided MERC with the opportunity to request competitive bids to support both the future projected growth requirements and the existing demand at this location. As such, if a new bidder provided the lowest cost delivery, then the new bidder could displace the existing NNG capacity within the Rochester demand of 55,169 Dth/day as well as provide the incremental 45,000 Dth/day of capacity needed to meet the projected twenty five year growth requirements.

Q. PLEASE EXPLAIN THE SECOND REQUEST FOR RESPONDENTS TO WORK WITH NNG TO PROVIDE AN INCREMENTAL 45,000 DTH/DAY OF FIRM CAPACITY TO ROCHESTER.

A. This scenario provided MERC with the option to extend the existing NNG contracts at expiration and simply add an additional 45,000 Dth/day of firm capacity to support the long term growth.

Q. DO YOU HAVE ANY THOUGHTS REGARDING THE REQUESTED IN-SERVICE DATE AND CAPACITY?

A. Yes. As mentioned previously in my testimony, there are significant barriers to entry for a new party to provide competitively priced firm natural gas transportation services into an area served by an incumbent service provider. As the quantity of capacity requested becomes larger, the economies of scale are increased, which in turn reduce the barriers to entry and provide the potential opportunity for new entrants to provide meaningful competition to an existing service territory. As a result, requesting an in-service date that coincided with the expiration of the existing capacity rights enabled the respondents to bid to provide service to meet both existing requirements as well as growth requirements. This provided MERC with the optimal opportunity to explore its competitive alternatives to serve the Rochester market.

Q. HOW MANY BID RESPONSES DID MERC RECEIVE?

A. On January 16, 2015, Northern Border Pipeline, Twin Eagle and NNG responded to the RFP. In addition, based upon initial discussions with MERC, each bidder submitted updated proposals on February 18 and 19, 2015. Specifically, Twin Eagle submitted two proposals and Northern Border provided one proposal in response to the request for a new pipeline capable of providing 100,000 Dth/day of capacity; and NNG provided various proposals.

Q. CAN YOU PROVIDE A DESCRIPTION OF THE PROPOSALS OFFERED BY NNG?

A. Yes. NNG provided one proposal (Proposal 3.0) that complied with the terms requested in the RFP for delivery of 100,000 Dth/day to Rochester. In addition, in an effort to be flexible and provide MERC with alternatives, NNG also provided several additional proposals that deviated from the parameters of the RFP but provided alternatives for MERC to consider.

Q. DO YOU BELIEVE THAT MERC'S RFP PROCESS WAS EFFECTIVE IN PROVIDING MERC WITH A COMPREHENSIVE VIEW OF PIPELINE CAPACITY ALTERNATIVES AVAILABLE IN THE MARKETPLACE?

A. Yes. MERC's issuance of the RFP to all service providers active in the region coupled with its posting of the RFP on its website provided a broad scope of potential service providers with an opportunity to respond. Further, the RFP, while specific with respect to the delivery point, provided the bidders with flexibility as to receipt points, facilities to install, and the structure of the bids. After initial bids were received, MERC continued discussions and negotiations with the bidders to obtain the most cost effective proposal alternatives and subsequently received refined proposals from these bidders.

In addition, MERC maximized the potential service quantity via its decisions to: (a) enable bidders to bid on existing capacity requirements by aligning the project in-service date with the termination of MERC's existing capacity contracts; and (b) design a project supporting long term future growth requirements. This maximized the service quantity, which exerts downward pressure on barriers to entry, in turn making for a more robust environment for the development of competitive bid alternatives.

For these reasons, I believe that the RFP process was effective in providing MERC with a comprehensive view of alternatives available in the marketplace.

VI. PROPOSAL EVALUATION AND SELECTION

A. Bid Evaluation

Q. BASED UPON ITS BID EVALUATION, WHICH BIDDER DID MERC DETERMINE SUBMITTED THE LOWEST COST PROPOSAL?

A. MERC determined that the response from NNG was the lowest cost alternative and resulted in a lower cost than the proposals provided by Northern Border or Twin Eagle.

Q. DID YOU REVIEW MERC'S COMPARATIVE EVALUATION OF BID RESPONSES?

A. No. MERC requested that I develop an independent evaluation of the bid responses. As such, in order to ensure that my evaluation was independent and was not biased by the assumptions and/or results of MERC's analysis, I did not review MERC's internal bid evaluation.

Q. DID YOU DEVELOP AN INDEPENDENT EVALUATION OF THE BID RESPONSES?

A. Yes.

Q. DID YOUR ANALYSIS CONFIRM THAT NNG'S PROPOSAL WAS THE LOWEST COST ALTERNATIVE?

A. Yes.

Q. PLEASE DESCRIBE YOUR INDEPENDENT BID EVALUATION.

A. In order to evaluate which of the responses provided by the three bid respondents was the most cost effective, I evaluated each of the bid responses that conformed to the parameters of the RFP issued by MERC. These bids included both of the proposals submitted by Twin Eagle, the proposal from Northern Border Pipeline Company, and the conforming Proposal 3.0 received from NNG.

My independent bid evaluation compares the long term costs associated with each of the four proposals over the twenty five year contract term. The net present value of the long term costs was then calculated for each proposal by discounting the long term costs back to present value using a 7.3048% discount rate which corresponds to the Commission Authorized 2014 Rate Case Rate of Return illustrated in Appendix D to MERC's Petition Filing in this proceeding.

Q. WHAT WERE THE RESULTS OF YOUR INDEPENDENT BID EVALUATION?

A. The results of my independent bid evaluation confirm MERC's internal review that the NNG Proposal 3.0 was the lowest cost alternative available to MERC via the RFP process. In fact, the independent bid evaluation indicates that the NNG Proposal 3.0 is

projected to result in a substantial net present value of savings over the twenty five year term of the agreement versus the alternative proposals.

A copy of my independent bid evaluation is attached as **Highly Sensitive Trade Secret** Exhibit TCS-3**.** The specific net present value savings of the NNG Proposal 3.0 against the other proposals received is found in Highly Sensitive Trade Secret Exhibit TCS-3. In all scenarios studied, the NNG proposal and final contract result in a net present value of savings for MERC's customers of at least $50 million versus the alternative proposals.

B. Negotiation Process with NNG

Q. DID MERC INITIATE A TRANSACTION WITH NNG REFLECTING THE TERMS OF THE CONFORMING PROPOSAL 3.0?

A. No. NNG's Proposal 3.0 offered significant savings compared to alternative third party proposals. However, at this point, rather than simply accept this transaction as proposed, MERC entered into negotiations with NNG to further enhance the NNG Proposal 3.0.

Q. DID THIS NEGOTIATION PROCESS RESULT IN FURTHER REDUCTIONS IN COST?

A. Yes. Through the negotiation process, MERC was successful in developing a phased-in project approach that enabled MERC to delay a portion of the expansion capacity and associated costs for two years, until November of 2019.

Q. DID YOU EVALUATE THE COST SAVINGS THAT RESULTED FROM THIS CHANGE IN COST STRUCTURE?

A. Yes. Using the same process that I utilized to evaluate the bid proposals, I determined that the transaction that MERC ultimately entered with NNG resulted in a net present value of savings slightly greater than $7.3 million over the life of the project versus the Proposal 3.0 that NNG had provided in response to the RFP. This evaluation of the negotiated proposal is included within the previously discussed Highly Sensitive Trade Secret Exhibit TCS-3.

Q. WAS MERC ABLE TO GAIN ANY ADDITIONAL BENEFITS DURING THE NEGOTIATION PROCESS?

A. Yes. When negotiating with NNG, MERC was able to negotiate numerous enhancements to the base proposal provided in response to the RFP.

Q. PLEASE DESCRIBE SOME OF THESE NEGOTIATED ENHANCEMENTS.

A. Some of the more significant enhancements gained during the negotiation process included:

- Fixed rates associated with the extension of existing firm delivery entitlement to the Rochester market;
- Firm growth capacity rights to other MERC markets served by NNG in Southeast Minnesota at NNG's tariff rate;

- Ability to use a portion of the Rochester TF entitlement to deliver to markets other than Rochester on an alternate basis at fixed rates;
- Additional growth volume of up to 2,000 Dth/day during any odd year during the term of the agreement at the pre-determined Capital Recover Rate; and
- Five year extension rights at fixed rates at the end of the 25 year contract term.

Q. WHAT BENEFITS DID MERC GAIN WITH RESPECT TO FIXED RATES FOR EXISTING DELIVERY ENTITLEMENTS AT ROCHESTER?

A. Prior to the issuance of the RFP, MERC had a total of 55,169 Dth/day of firm delivery entitlement with primary delivery point rights to the city of Rochester, Minnesota. Under the terms of the then-existing agreements, this capacity was priced at rates equal to NNG's maximum tariff rates. Thus, the rate paid for this capacity was subject to change when the maximum tariff rates for service on the NNG system change (e.g., within a rate case filing).

At this point, it is important to note that NNG has stated publicly in the past year that it intends to initiate a rate case in the next few years, and that this rate case is projected to increase the maximum tariff rate on NNG's system.

Through the negotiation process, in addition to obtaining a fixed long term rate for its Rochester Growth Entitlement, MERC also obtained agreement from NNG that the rate

applicable to the existing Rochester entitlement would be fixed at the current maximum tariff rate during the twenty five year term of the agreement.

This provision will provide MERC with protection against increasing tariff rates on the NNG system with respect to its pre-existing firm delivery entitlement to Rochester during the term of the agreement.

Q. WITHIN THE PRECEDENT AGREEMENT, WHAT FIRM GROWTH RIGHTS DID MERC OBTAIN TO OTHER (NON-ROCHESTER) MARKETS IN SOUTHEAST MINNESOTA?

A. In addition to the support that the agreement provides for Rochester growth requirements, the Precedent Agreement also provides firm capacity growth entitlement to other MERC markets in Southeast Minnesota. In fact, the agreement provides for an additional 5,439 Dth/day of firm delivery capacity entitlement to nine MERC delivery point locations commencing as of the Phase 1 start date (November, 2017), and an additional 2,593 Dth/day of firm delivery capacity entitlement to twenty-one MERC delivery point locations commencing as of the Phase 2 start date (November, 2019) in Southeast Minnesota. Per the agreement, this capacity is provided at a rate equal to NNG's maximum tariff rate. In the absence of this agreement, recognizing that expansions are required to provide incremental capacity entitlements to these markets on the NNG system, MERC could potentially have been subject to incremental rates exceeding NNG's maximum tariff rate.

It is also important to note that NNG was able to negotiate this provision with MERC because it has existing facilities that extend to these markets. In contrast, if MERC had entered into a transaction with one of the other bidders that responded to the Rochester capacity RFP, these other bidders would have had to extend the project to potentially serve these markets. Such extensions would have led to additional expansion costs to serve these markets.

Q. PLEASE DESCRIBE THE NEGOTIATED PROVISION THAT ENABLES MERC TO USE ITS ROCHESTER TF CAPACITY DELIVERY ENTITLEMENT AT ALTERNATE POINTS AT FIXED RATES.

A. As noted above, NNG has agreed to lock-in the rate applicable to MERC's existing entitlement to Rochester, Minnesota, at the current maximum tariff rate. It is common industry practice that when interstate pipelines develop discounted or negotiated rates for firm transportation service to a specific delivery location (such as the fixed rate to Rochester), the shipper is not entitled to utilize the negotiated or discounted rate capacity at alternate locations at the discounted or negotiated rate.

Contrary to this practice, MERC and NNG have agreed that MERC can re-direct a portion of its TF entitlement from Rochester to alternate MERC delivery points located in NNG's market area Zone EF on an alternate point basis while maintaining the fixed rate provision. This provision provides MERC with significant flexibility in utilizing its capacity and provides potentially significant cost savings during the term of the

agreement. The Direct Testimony of Sarah Mead provides discussion on the beneficial impact this flexibility has on the reserve margin on the MERC system.

Q. PLEASE EXPLAIN THE ADDITIONAL GROWTH VOLUME RIGHTS NEGOTIATED BY MERC.

A. Per the terms of the Precedent Agreement, MERC has the option, but not the obligation, to purchase up to 2,000 Dth/day of incremental annual capacity entitlement during any odd year of the agreement. This expansion capacity would be provided at a pre-determined Capital Recovery Rate designed to enable NNG to recover the cost of any such expansions. This negotiated provision provides MERC with the flexibility needed to ensure that the company can continue to meet incremental growth needs during the term of its agreement with NNG.

Q. WHAT EXTENSION RIGHTS DID MERC OBTAIN IN ITS AGREEMENT WITH NNG?

A. In addition to the initially requested twenty five year service agreement term, MERC has also obtained the right to extend, at its sole election, the term of the Rochester Entitlement within the agreement for an additional five years at fixed discounted rates. This provision provides MERC with flexibility to continue to serve the Rochester market for an additional five years at rates that could well represent a significant discount versus then applicable rates at the time of the extension.

C. Precedent Agreement with NNG

Q. HAVE THERE BEEN ANY ADDITIONAL CHANGES TO MERC'S AGREEMENT WITH NNG SINCE THE INITIAL EXECUTION OF THE PRECEDENT AGREEMENT?

A. Yes. My understanding is that MERC has recently completed negotiation of an Amendment to the Precedent Agreement with NNG.

Q. WHAT IS SIGNIFICANT ABOUT THIS AMENDMENT?

A. The amendment moves the project in-service date for the Phase 1 Project from November 1, 2017, to November 1, 2018. It also revises the Negotiated Reservation Rate for Phase 1 services to reflect less than $3 million additional capital costs. There were other technical amendments that were not relevant to the work I performed.

Q. DID YOU EVALUATE THE COST IMPACT THAT RESULTED FROM THIS RECENT AMENDMENT?

A. Yes. Using the same process that I utilized to evaluate the bid proposals, I determined that the combination of the slightly higher rate and delayed construction for Phase 1 services in the Amended transaction resulted in a slight increase in the net present value of savings over the life of the project (with the project life commencing in 2018) versus the previously negotiated transaction. However, as compared to the alternative proposals, the Amended transaction continues to show significant savings over the life of the project.

An updated evaluation of the Amended transaction is included within the attached Highly Sensitive Trade Secret Exhibit TCS-3.

VII. FINAL CONCLUSIONS.

Q. IN SUM, WHAT CONCLUSIONS HAVE YOU REACHED REGARDING MERC'S PROCESS TO ACQUIRE UPSTREAM PIPELINE TRANSPORTATION CAPACITY TO MEET THE NEEDS OF ROCHESTER, MINNESOTA?

A. My conclusions are:

1. Additional firm gas transportation capacity is needed to meet the needs of MERC's customers in Rochester, Minnesota.
2. MERC's decision to purchase capacity to meet long term growth requirements was appropriate and is consistent with industry practice.
3. MERC's RFP process was effective in providing MERC with a comprehensive view of competitive alternatives available to meet projected natural gas demand growth in Rochester, Minnesota.
4. Based on a comprehensive RFP process, the proposal submitted by NNG will result in significant cost savings for MERC and its customers versus the alternative bid proposals. Further, it is clear that through its post RFP negotiation process MERC has enhanced and improved the initial proposal provided by NNG in response to the RFP. Finally, even with the slight increase in cost associated with the Amended transaction with NNG, the

NNG transaction will still result in significant gas cost savings for MERC's customers versus the alternative third party proposals.

Q. Does this conclude your direct testimony?

A. Yes.

TIMOTHY C. SEXTON

EMPLOYMENT HISTORY

Gas Supply Consulting, Inc.
19500 State Highway 249, Suite 160, Houston, TX 77070

June 1994 - Present
Current Position: President

Selected Recent Experience at Gas Supply Consulting, Inc.

- Infrastructure Development Projects:
  - Osaka Gas – Coastal Bend Header Project: Served as primary consultant to Osaka Gas Resources America (Osaka Gas) and provided support and assistance in soliciting proposals and negotiations with various bidders supporting the proposed construction of an approximate 70 mile (1.4 Bcf/d capacity) large diameter (36") natural gas pipeline project. Supported Osaka Gas in negotiations with potential bidders, review of proposals, market evaluations, selection of winning bidder, contract negotiation with winning bidder and ongoing support. Negotiations led to development of Gulf South's Coastal Bend Header Project with a projected in service date in mid-2018.
  - Duke Energy – Atlantic Coast Pipeline Project: Served as primary consultant to Duke Energy (Duke) and provided support and assistance in developing pipeline capacity RFP supporting the proposed construction of approximate 550 mile (1.5 Bcfd capacity) large diameter natural gas pipeline project. Supported Duke in bid review process, selection of winning bidder and contract negotiation with winning bidder. Negotiations led to development of Atlantic Coast Pipeline Project with a projected in service date in late 2018.
  - Parallax Energy – Pipeline Service to Live Oak LNG: Currently engaged as consultant to Parallax Energy in support of Parallax' review of pipeline service alternatives to its Live Oak LNG facility in South Louisiana. Assisting Parallax in identification of potential service providers, identification of desired service parameters and negotiation with potential service providers.
  - FP&L – Sabal Trails and FSC Projects: Served as primary consultant to Florida Power & Light Company (FPL) and provided support and assistance in developing pipeline capacity RFP supporting the proposed construction of an approximate 700 mile (1.0 Bcf/d capacity) large diameter (36"/42") natural gas pipeline project. Supported FPL in bid review process, selection of winning bidder, negotiation with winning bidder and public service commission approval process. Negotiations led to development of Sabal Trails Pipeline and Florida Southeast Connection pipeline projects with a projected in service date in spring of 2017.
  - We Energies – Guardian Pipeline Project: Serve as consultant to We Energies subsidiaries, Wisconsin Gas Company and Wisconsin Electric Power Company – Gas Operations. Provided support and assistance in developing pipeline capacity RFPs that ultimately led to the construction of Guardian Pipeline and Guardian II Pipeline projects which transport natural gas supplies from Chicago Hub to Wisconsin markets.
  - We Energies – West Central Project: Served as consultant to We Energies to develop pipeline capacity RFP, evaluate bid alternatives and negotiated transaction that led to development of We Energies' West Central Wisconsin project alternative. Submitted written and provided oral testimony in Public Service Commission of Wisconsin hearing supporting project.
  - BG Group: Served as consultant to BG Group with respect to review and analysis of infrastructure "re-wiring" opportunities to support deliveries to BG's proposed LNG export facility capacities in Lake Charles Louisiana and British Columbia, Canada. Support in analysis of capabilities of existing facilities, assessment of required pipeline facility expansions and negotiations with pipeline service providers.

- Natural Gas Reliability Assessments Supporting Electric Generation: Serve as primary consultant to Fuel Reliability Working Group ("FRWG") of the Florida Reliability Coordinating Commission ("FRCC"). Responsibilities in this role include:
  - Evaluation of fuel requirements to generation facilities within the FRCC region;
  - Development of contingency analyses to assess potential impact of fuel losses associated with extraordinary events such as severe weather (hurricanes, cold weather, etc.) or catastrophic loss of compressor or pipeline facilities;
  - Maintain and utilize hydraulic flow models of all pipelines serving the FRCC region for use in developing reliability assessment analyses on behalf of the FRCC;
  - Monitor and assess the impact of any proposed changes to the fuel supply infrastructure serving the region and provide updates to the FRWG members of any such changes; and
  - Provide input to FRCC staff and member companies of the FRWG concerning the impact of any planned or unplanned outages to the natural gas infrastructure serving the region.
- Natural Gas Infrastructure Analysis Supporting Electric Generation Requirements – Analyzed capabilities of pipeline systems to support potential natural gas fired generation installations at various locations on behalf of Florida Power & Light Company (FPL). Work includes maintenance of hydraulic flow models serving FPL markets as well as the use of such models to support FPL generation planning and siting decisions. Support FPL in negotiations with natural gas pipeline service providers.
- Natural Gas Infrastructure Analysis Supporting Shale Gas Evacuation Strategies: Developed assessments of required Midstream facilities and associated projected costs required to develop Haynesville shale asset in North Louisiana and East Texas as well as Marcellus shale asset in Central Pennsylvania on behalf of Exco Resources and BG North America. Work included evaluation of required Midstream facilities, analysis of third party interstate and intrastate pipeline infrastructure to assess potential to transport produced gas to markets and evaluation of available markets. Review of required Midstream development facilities and pipeline infrastructure in the vicinity of Eagle Ford Shale asset in South Texas on behalf of Client Company bidding to acquire such asset.
- Other Natural Gas Infrastructure Analysis: Analyzed capability of local pipeline infrastructure to receive large quantities of natural gas from proposed regasified LNG facilities in various states on behalf of large LNG importer client, analyzed natural gas pipeline infrastructure and potential infrastructure expansions available to meet utility client's natural gas demand in Wisconsin.
- Selected Pipeline Hydraulic Modeling Work: Developed steady state and transient flow simulation models of portions of various pipeline systems on behalf of client companies. Models developed over past several years include models of Trunkline Gas System, ANR Pipeline Company, Florida Gas Transmission, Gulfstream Natural Gas, Guardian Pipeline LLC, Viking Transmission, Northern Natural Gas, Northern Border Pipeline Company, CenterPoint Energy Gas Transmission, Tennessee Gas Pipeline, Great Lakes Gas Transmission, Texas Gas Transmission, Texas Eastern Transmission, Gulf South Pipeline, Kinder Morgan Louisiana, Transco Pipeline and Acadian Pipeline.
- Long Term Fuel Supply Plan Development – Prepared long term fuel supply plans for power generation development clients operating in various states for use in attracting project financing and/or for filing with state commissions as required in regulatory process to obtain construction authorizations.
- Solicitation and Acquisition of Natural Gas Supplies and Services on behalf of End Use and Utility Clients – Actively involved in and directed natural gas supply and natural gas pipeline service capacity acquisition for utility and industrial clients. Developed gas supply RFPs, interacted with suppliers, negotiated agreement terms and negotiated contracts on behalf of clients. Supplies and services negotiated by Gas Supply Consulting, Inc. during 2012 on behalf of end use and/or utility clients represent approximately 1.2 Bcf/day of peak day natural gas demand.
- Consulting for End User Clients – Work with clients assessing natural gas use and requirements, prepare corporate gas supply purchasing plan outlining recommended corporate purchasing strategy. Structure recommended transactions regarding supply, service and price risk management programs. Implement

purchasing program on behalf of clients through negotiation of transactions with various suppliers, utilities and service providers.

- Expert Witness Services –
  - Florida Power & Light Company: Provided Expert Witness testimony on behalf of FP&L related to:
    - an Application of Florida Power & Light Company for authority to enter into long term natural gas transportation contracts supporting the construction of the Sabal Trail Transmission, LLC and Florida Southeast Connection pipelines in support of its electric generation facilities in Florida within Florida Public Service Commission Docket Number 130198-EI;
    - an Application of Florida Power & Light Company for authority to construct an intrastate natural gas pipeline in support of its electric generation facilities in Florida within Florida Public Service Commission Docket Number 090172-EI; and
    - a proceeding concerning the impact of the introduction of LNG gas supplies on natural gas quality on the Florida Gas Transmission interstate pipeline system in FERC Docket Number RP04-249.
  - We Energies: Provided Expert Witness testimony on behalf of We Energies subsidiary, Wisconsin Gas Company ("WG") related to WG's West Central Wisconsin Project within Public Service Commission of Wisconsin Docket Number 6650-CG-233.
  - Wisconsin Distributor Group:
    - Provided presentation regarding the appropriate calculation of ANR Pipeline Company's fuel retention percentages *on behalf of the Wisconsin Distributor Group* in FERC technical conference in FERC Docket Number TM97-2-48.
    - Provided presentation outlining WDG position in technical conference supporting WDG negotiations in ANR DTCA Settlement proceeding (FERC Docket No. CP 13-743).
  - East Cheyenne Gas Storage, LLC: Provided presentation regarding the fuel usage on the Trailblazer Pipeline System related to injection and withdrawal activity at the East Cheyenne Gas Storage facility *on behalf of East Cheyenne Gas Storage, LLC* in FERC settlement conference in FERC Docket Number RP 13-1031.
  - ConocoPhillips: Developed independent report on behalf of ConocoPhillips evaluating capabilities of Texas Eastern Transmission pipeline expansion project (report was filed in FERC Docket PF 12-19 support of ConocoPhillips complaint with respect to Texas Eastern's TEAM 2014 expansion project).
  - James Hardie Gypsum, Inc.: Provided expert support in mediation hearing on behalf of industrial client in gas pricing dispute with natural gas supplier.
- Consulting for Other Portions of the Energy Industry - Performed consulting services for a broad spectrum of clients, both domestically and internationally, including gas marketing companies, natural gas producers, transportation and storage service providers, and customer groups.

United Gas Pipeline Company (currently Gulf South Pipe Line Company)

July 1993 - June 1994
Position: Regional Manager (Supply Services)

- Attracted incremental supplies to the United Gas Pipeline system by structuring service transactions and aggressively pursuing incremental gas supplies;
- Maintained existing supplies on the United Gas Pipeline system by structuring and negotiating long-term transportation agreements with connected producers;
- Cultivated relationships with on system gas suppliers to insure that the needs of such suppliers were met on a timely and consistent basis.

United Gas Pipeline Company (currently Gulf South Pipe Line Company)

June 1989 - July 1993

Position: Staff Engineer (Operations Department)
Associate Engineer (Engineering Department)
Engineer (System Planning Department)

Filled various positions of increasing responsibility within the operations, engineering, planning and marketing departments of Koch Gateway Pipeline Company, and its predecessor United Gas Pipeline Company, over this four-year period

EDUCATION

University of Houston, Houston, Texas
Masters in Business Administration (Concentration in Finance), July 1993
University of Texas, Austin, Texas
Bachelor of Science Degree in Civil Engineering May 1989

OTHER

Licensed as a Professional Engineer in the State of Texas

Ten Year Average Pipeline Land Construction Costs - Total Costs in $/Mile
(As Published by Oil And Gas Journal on September 5, 2015)

Year	Pipeline Nominal Diameter (inches)					
	36	30	24	20	16	12
2015	$6,406,155	$7,886,092	$3,727,853	$3,424,182	$4,314,779	$3,951,424
2014	$5,760,613	$5,151,482	$3,347,449	$5,513,441	$6,776,920	$10,535,221
2013	$5,616,040	N/A	$2,415,184	$2,141,235	$1,538,623	$1,548,033
2012	N/A	$7,772,360	$3,937,296	$1,703,765	$1,480,318	$1,321,173
2011	$7,380,462	$7,061,405	$3,779,177	$2,524,831	$2,916,309	$0
2010	$4,343,697	$3,497,944	N/A	$4,426,461	$2,338,069	$0
2009	$3,559,276	$2,035,073	$2,344,636	$4,039,654	$2,711,968	$0
2008	$2,774,549	$2,002,981	N/A	$2,325,425	$4,646,684	$1,406,515
2007	$2,489,238	$3,779,600	$1,155,030	$0	$0	$0
2006	$3,568,308	$2,336,055	$1,551,586	$1,607,344	$884,118	$623,873

Calculated % Cost Increase Between Various Pipe Diameters

	24" as Percentage of 30"	24" as Percentage of 30"	20" as Percentage of 24"	16" as Percentage of 20"	12" as Percentage of 16"
Pipe Size Difference	**120%**	**125%**	**120%**	**125%**	**133%**
2015	81%	212%	109%	79%	109%
2014	112%	154%	61%	81%	64%
2013	N/A	N/A	113%	139%	99%
2012	N/A	197%	231%	115%	112%
2011	105%	187%	150%	87%	N/A
2010	124%	N/A	N/A	189%	N/A
2009	175%	87%	58%	149%	N/A
2008	139%	N/A	N/A	50%	330%
2007	66%	327%	N/A	N/A	N/A
2006	153%	151%	97%	182%	142%
Average Cost Difference	**119%**	**188%**	**117%**	**119%**	**143%**

Summary Comparative Results
Annual Cash Flows and NPV of Costs During Proposed 25 Year Contract Term

Projected Cost of Service to Rochester City Gate Utilizing Services as Negotiated with Northern Natural Gas (Amended Terms of Precedent Agreement)

Projected Cost of Service to Rochester City Gate Utilizing Services as Negotiated with Northern Natural Gas (Terms of Precedent Agreement)

Projected Cost of Service to Rochester City Gate Utilizing Services as Proposed by Northern Natural Gas Proposal 3.0 (Proposal Dated February 18, 2015)
(NNG Proposal 3.0 provides capacity at Rochester Gates as Requested by MERC in RFP)

Projected Cost of Service to Rochester City Gate Utilizing Services as Proposed by Northern Border Pipeline Company
(NBPL's Final - Feb 19 2015 Proposal)

Projected Cost of Service to Rochester City Gate Utilizing Services as Proposed by Twin Eagle (Route A - Trimont to Rochester)
(Twin Eagle's Final - Feb 18 2015 Proposal)

Projected Cost of Service to Rochester City Gate Utilizing Services as Proposed by Twin Eagle (Route B - Ventura to Rochester)
(Twin Eagle's Final - Feb 18 2015 Proposal)

MERC Load Factor Calculation for Use in Fuel Usage / Commodity Cost Calculations

Rochester Area Sales Quantities (Therms)
(Sourced from A Lee - Supplemental Direct Exhibit ASL-3)

Pricing Data Supporting Fuel Costs

Natural Gas Price Data ($/Dth)
Based on NYMEX Closing Prices as of 4/12/2016

Year	Month	HDD20	HDD50	HDD55	HDD60	HDD65
2007	1	156	963	1118	1273	1428
2007	2	333	1087	1227	1367	1507
2007	3	24	462	602	745	895
2007	4	0	257	357	477	610
2007	5	0	0	7	55	136
2007	6	0	0	0	0	17
2007	7	0	0	0	0	2
2007	8	0	0	0	1	12
2007	9	0	5	18	52	123
2007	10	0	51	126	231	362
2007	11	16	490	639	789	939
2007	12	124	997	1152	1307	1462
2008	1	306	1127	1282	1437	1592
2008	2	214	1026	1171	1316	1461
2008	3	48	664	819	974	1129
2008	4	0	228	349	486	634
2008	5	0	7	45	142	271
2008	6	0	0	0	0	13
2008	7	0	0	0	0	0
2008	8	0	0	0	0	13
2008	9	0	0	10	53	132
2008	10	0	110	216	349	495
2008	11	4	498	628	760	904
2008	12	243	1125	1280	1435	1590
2009	1	362	1279	1434	1589	1744
2009	2	112	802	942	1082	1222
2009	3	45	529	684	839	994
2009	4	0	177	294	430	573
2009	5	0	11	46	112	236
2009	6	0	0	11	33	86
2009	7	0	0	0	5	40
2009	8	0	0	0	13	53
2009	9	0	4	17	40	101
2009	10	0	235	386	541	696
2009	11	0	240	377	527	677
2009	12	145	1002	1157	1312	1467
2010	1	333	1200	1355	1510	1665
2010	2	136	944	1084	1224	1364
2010	3	0	401	546	693	845
2010	4	0	26	98	214	345
2010	5	0	35	83	149	241
2010	6	0	0	0	0	24
2010	7	0	0	0	0	0

2010	8	0	0	0	0	8
2010	9	0	0	17	81	184
2010	10	0	87	173	284	416
2010	11	10	464	605	754	904
2010	12	201	1072	1227	1382	1537
2011	1	262	1173	1328	1483	1638
2011	2	156	871	1011	1151	1291
2011	3	11	616	771	926	1081
2011	4	0	173	304	449	597
2011	5	0	38	78	151	254
2011	6	0	0	1	16	53
2011	7	0	0	0	0	0
2011	8	0	0	0	0	5
2011	9	0	7	40	115	221
2011	10	0	94	189	294	412
2011	11	0	349	499	649	799
2011	12	31	712	867	1022	1177
2012	1	105	835	990	1145	1300
2012	2	14	650	795	940	1085
2012	3	0	195	287	389	516
2012	4	0	92	204	331	476
2012	5	0	0	5	36	116
2012	6	0	0	0	1	14
2012	7	0	0	0	0	0
2012	8	0	0	0	0	21
2012	9	0	10	28	71	160
2012	10	0	139	239	360	505
2012	11	1	368	510	655	805
2012	12	86	781	936	1091	1246
2013	1	188	1004	1159	1314	1469
2013	2	107	835	975	1115	1255
2013	3	37	786	941	1096	1251
2013	4	0	356	481	612	757
2013	5	0	66	119	205	307
2013	6	0	0	1	23	65
2013	7	0	0	1	9	22
2013	8	0	0	0	0	8
2013	9	0	0	6	45	124
2013	10	0	172	276	391	534
2013	11	24	562	712	862	1012
2013	12	280	1134	1289	1444	1599
2014	1	419	1305	1460	1615	1770
2014	2	385	1193	1333	1473	1613
2014	3	96	770	925	1080	1235

2014	4	0	254	390	534	684
2014	5	0	28	78	152	250
2014	6	0	0	0	0	10
2014	7	0	0	0	3	25
2014	8	0	0	0	0	3
2014	9	0	12	38	94	187
2014	10	0	115	243	396	551
2014	11	90	751	901	1051	1201
2014	12	98	805	960	1115	1270
2015	1	202	1001	1156	1311	1466
2015	2	338	1155	1295	1435	1575
2015	3	49	536	691	846	1001
2015	4	0	143	241	372	519
2015	5	0	21	60	133	237
2015	6	0	0	0	4	20
2015	7	0	0	0	1	15
2015	8					
2015	9					
2015	10					
2015	11					
2015	12					

Updated 01/25/16

Year	Month	HDD20	HDD50	HDD55	HDD60	HDD65
2007	1	238	1068	1223	1378	1533
2007	2	150	879	1024	1169	1314
2007	3	36	584	732	882	1036
2007	4	0	180	291	423	566
2007	5	0	27	69	145	256
2007	6	0	0	3	16	50
2007	7	0	0	0	2	12
2007	8	0	0	0	3	23
2007	9	0	7	28	79	164
2007	10	0	142	249	376	518
2007	11	15	470	613	760	910
2007	12	135	892	1047	1202	1357
2008	1	238	1068	1223	1378	1533
2008	2	150	879	1024	1169	1314
2008	3	36	584	732	882	1036
2008	4	0	180	291	423	566
2008	5	0	27	69	145	256
2008	6	0	0	3	16	50
2008	7	0	0	0	2	12
2008	8	0	0	0	3	23
2008	9	0	7	28	79	164
2008	10	0	142	249	376	518
2008	11	15	470	613	760	910
2008	12	135	892	1047	1202	1357
2009	1	238	1068	1223	1378	1533
2009	2	150	879	1024	1169	1314
2009	3	36	584	732	882	1036
2009	4	0	180	291	423	566
2009	5	0	27	69	145	256
2009	6	0	0	3	16	50
2009	7	0	0	0	2	12
2009	8	0	0	0	3	23
2009	9	0	7	28	79	164
2009	10	0	142	249	376	518
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2010	1	238	1068	1223	1378	1533
2010	2	150	879	1024	1169	1314
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2010	5	0	27	69	145	256
2010	6	0	0	3	16	50
2010	7	0	0	0	2	12
2010	8	0	0	0	3	23
2010	9	0	7	28	79	164
2010	10	0	142	249	376	518

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2011	6	0	0	3	16	50
2011	7	0	0	0	2	12
2011	8	0	0	0	3	23
2011	9	0	7	28	79	164
2011	10	0	142	249	376	518
2011	11	15	470	613	760	910
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2012	1	238	1068	1223	1378	1533
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2012	6	0	0	3	16	50
2012	7	0	0	0	2	12
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2016	12	135	892	1047	1202	1357
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2017	2	150	879	1024	1169	1314
2017	3	36	584	732	882	1036
2017	4	0	180	291	423	566
2017	5	0	27	69	145	256
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2017	12	135	892	1047	1202	1357
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2018	2	150	879	1024	1169	1314
2018	3	36	584	732	882	1036
2018	4	0	180	291	423	566
2018	5	0	27	69	145	256
2018	6	0	0	3	16	50
2018	7	0	0	0	2	12
2018	8	0	0	0	3	23

2018	9	0	7	28	79	164
2018	10	0	142	249	376	518
2018	11	15	470	613	760	910
2018	12	135	892	1047	1202	1357
2019	1	238	1068	1223	1378	1533
2019	2	150	879	1024	1169	1314
2019	3	36	584	732	882	1036
2019	4	0	180	291	423	566
2019	5	0	27	69	145	256
2019	6	0	0	3	16	50
2019	7	0	0	0	2	12
2019	8	0	0	0	3	23
2019	9	0	7	28	79	164
2019	10	0	142	249	376	518
2019	11	15	470	613	760	910
2019	12	135	892	1047	1202	1357
2020	1	238	1068	1223	1378	1533
2020	2	150	879	1024	1169	1314
2020	3	36	584	732	882	1036
2020	4	0	180	291	423	566
2020	5	0	27	69	145	256
2020	6	0	0	3	16	50
2020	7	0	0	0	2	12
2020	8	0	0	0	3	23
2020	9	0	7	28	79	164
2020	10	0	142	249	376	518
2020	11	15	470	613	760	910
2020	12	135	892	1047	1202	1357
2021	1	238	1068	1223	1378	1533
2021	2	150	879	1024	1169	1314
2021	3	36	584	732	882	1036
2021	4	0	180	291	423	566
2021	5	0	27	69	145	256
2021	6	0	0	3	16	50
2021	7	0	0	0	2	12
2021	8	0	0	0	3	23
2021	9	0	7	28	79	164
2021	10	0	142	249	376	518
2021	11	15	470	613	760	910
2021	12	135	892	1047	1202	1357
2022	1	238	1068	1223	1378	1533
2022	2	150	879	1024	1169	1314
2022	3	36	584	732	882	1036
2022	4	0	180	291	423	566
2022	5	0	27	69	145	256
2022	6	0	0	3	16	50
2022	7	0	0	0	2	12

2022	8	0	0	0	3	23
2022	9	0	7	28	79	164
2022	10	0	142	249	376	518
2022	11	15	470	613	760	910
2022	12	135	892	1047	1202	1357
2023	1	238	1068	1223	1378	1533
2023	2	150	879	1024	1169	1314
2023	3	36	584	732	882	1036
2023	4	0	180	291	423	566
2023	5	0	27	69	145	256
2023	6	0	0	3	16	50
2023	7	0	0	0	2	12
2023	8	0	0	0	3	23
2023	9	0	7	28	79	164
2023	10	0	142	249	376	518
2023	11	15	470	613	760	910
2023	12	135	892	1047	1202	1357
2024	1	238	1068	1223	1378	1533
2024	2	150	879	1024	1169	1314
2024	3	36	584	732	882	1036
2024	4	0	180	291	423	566
2024	5	0	27	69	145	256
2024	6	0	0	3	16	50
2024	7	0	0	0	2	12
2024	8	0	0	0	3	23
2024	9	0	7	28	79	164
2024	10	0	142	249	376	518
2024	11	15	470	613	760	910
2024	12	135	892	1047	1202	1357
2025	1	238	1068	1223	1378	1533
2025	2	150	879	1024	1169	1314
2025	3	36	584	732	882	1036
2025	4	0	180	291	423	566
2025	5	0	27	69	145	256
2025	6	0	0	3	16	50
2025	7	0	0	0	2	12
2025	8	0	0	0	3	23
2025	9	0	7	28	79	164
2025	10	0	142	249	376	518
2025	11	15	470	613	760	910
2025	12	135	892	1047	1202	1357
2026	1	238	1068	1223	1378	1533
2026	2	150	879	1024	1169	1314
2026	3	36	584	732	882	1036
2026	4	0	180	291	423	566
2026	5	0	27	69	145	256
2026	6	0	0	3	16	50

2026	7	0	0	0	2	12
2026	8	0	0	0	3	23
2026	9	0	7	28	79	164
2026	10	0	142	249	376	518
2026	11	15	470	613	760	910
2026	12	135	892	1047	1202	1357
2027	1	238	1068	1223	1378	1533
2027	2	150	879	1024	1169	1314
2027	3	36	584	732	882	1036
2027	4	0	180	291	423	566
2027	5	0	27	69	145	256
2027	6	0	0	3	16	50
2027	7	0	0	0	2	12
2027	8	0	0	0	3	23
2027	9	0	7	28	79	164
2027	10	0	142	249	376	518
2027	11	15	470	613	760	910
2027	12	135	892	1047	1202	1357
2028	1	238	1068	1223	1378	1533
2028	2	150	879	1024	1169	1314
2028	3	36	584	732	882	1036
2028	4	0	180	291	423	566
2028	5	0	27	69	145	256
2028	6	0	0	3	16	50
2028	7	0	0	0	2	12
2028	8	0	0	0	3	23
2028	9	0	7	28	79	164
2028	10	0	142	249	376	518
2028	11	15	470	613	760	910
2028	12	135	892	1047	1202	1357
2029	1	238	1068	1223	1378	1533
2029	2	150	879	1024	1169	1314
2029	3	36	584	732	882	1036
2029	4	0	180	291	423	566
2029	5	0	27	69	145	256
2029	6	0	0	3	16	50
2029	7	0	0	0	2	12
2029	8	0	0	0	3	23
2029	9	0	7	28	79	164
2029	10	0	142	249	376	518
2029	11	15	470	613	760	910
2029	12	135	892	1047	1202	1357
2030	1	238	1068	1223	1378	1533
2030	2	150	879	1024	1169	1314
2030	3	36	584	732	882	1036
2030	4	0	180	291	423	566
2030	5	0	27	69	145	256

2030	6	0	0	3	16	50
2030	7	0	0	0	2	12
2030	8	0	0	0	3	23
2030	9	0	7	28	79	164
2030	10	0	142	249	376	518
2030	11	15	470	613	760	910
2030	12	135	892	1047	1202	1357

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Year	Month	HDD20	HDD50	HDD55	HDD60	HDD65
2007	1	90	890	1047	1204	1361
2007	2	345	1187	1334	1480	1627
2007	3	128	811	958	1104	1251
2007	4	5	359	493	636	787
2007	5	0	81	128	210	322
2007	6	0	0	4	29	81
2007	7	0	0	0	0	6
2007	8	0	0	0	1	6
2007	9	0	3	9	25	57
2007	10	0	14	40	89	178
2007	11	0	173	285	416	558
2007	12	80	768	922	1076	1230
2008	1	245	1087	1244	1400	1557
2008	2	292	1102	1249	1395	1542
2008	3	171	941	1088	1235	1382
2008	4	13	450	600	754	910
2008	5	0	119	201	325	469
2008	6	0	2	22	70	145
2008	7	0	0	0	1	7
2008	8	0	0	0	0	3
2008	9	0	0	4	29	79
2008	10	0	21	63	132	228
2008	11	1	221	330	455	595
2008	12	83	792	941	1091	1244
2009	1	230	1136	1292	1449	1606
2009	2	271	1067	1214	1360	1507
2009	3	105	766	914	1061	1208
2009	4	15	384	532	686	842
2009	5	0	69	151	262	401
2009	6	0	4	26	72	169
2009	7	0	0	3	10	45
2009	8	0	0	0	3	32
2009	9	0	0	0	18	70
2009	10	0	101	176	258	360
2009	11	0	211	347	494	642
2009	12	50	541	690	844	998
2010	1	302	1181	1338	1495	1652
2010	2	180	993	1140	1286	1433
2010	3	83	783	931	1078	1225
2010	4	0	208	325	460	605
2010	5	0	32	102	212	345
2010	6	0	12	28	49	97
2010	7	0	0	0	0	10

2010	8	0	0	0	0	1
2010	9	0	0	3	29	76
2010	10	0	16	57	135	247
2010	11	1	187	295	422	560
2010	12	105	793	943	1097	1251
2011	1	139	914	1071	1228	1384
2011	2	223	1038	1185	1331	1478
2011	3	75	766	914	1061	1208
2011	4	1	411	559	713	868
2011	5	0	138	239	361	497
2011	6	0	5	20	62	130
2011	7	0	0	0	8	28
2011	8	0	0	0	0	1
2011	9	0	3	12	37	77
2011	10	0	19	64	142	248
2011	11	0	184	314	447	584
2011	12	20	548	702	857	1011
2012	1	109	872	1028	1185	1342
2012	2	75	762	908	1055	1201
2012	3	7	510	640	773	912
2012	4	0	99	191	300	435
2012	5	0	53	121	206	327
2012	6	0	0	4	22	73
2012	7	0	0	0	1	5
2012	8	0	0	0	0	9
2012	9	0	2	6	16	56
2012	10	0	45	96	176	297
2012	11	0	209	324	451	592
2012	12	10	480	629	781	935
2013	1	243	1109	1266	1423	1579
2013	2	175	944	1091	1237	1384
2013	3	62	819	966	1113	1261
2013	4	23	637	793	950	1107
2013	5	0	225	319	429	558
2013	6	0	9	30	91	177
2013	7	0	0	0	4	13
2013	8	0	0	1	9	25
2013	9	0	0	2	16	47
2013	10	0	30	60	118	225
2013	11	4	304	439	576	721
2013	12	118	814	968	1122	1276
2014	1	268	1059	1215	1372	1529
2014	2	401	1251	1398	1544	1691
2014	3	302	1091	1238	1386	1533

2014	4	23	523	675	830	987
2014	5	0	142	251	379	521
2014	6	0	10	27	54	101
2014	7	0	0	0	2	19
2014	8	0	0	0	1	11
2014	9	0	6	17	38	80
2014	10	0	48	115	212	330
2014	11	20	294	426	572	720
2014	12	90	823	978	1132	1286
2015	1	159	922	1079	1236	1393
2015	2	178	940	1087	1233	1380
2015	3	259	981	1128	1275	1422
2015	4	12	349	485	634	790
2015	5	0	80	150	259	389
2015	6	0	13	36	78	147
2015	7	0	0	0	2	18
2015	8					
2015	9					
2015	10					
2015	11					
2015	12					

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Year	Month	HDD20	HDD50	HDD55	HDD60	HDD65
2007	1	188	991	1148	1305	1461
2007	2	209	990	1136	1283	1429
2007	3	101	776	921	1067	1214
2007	4	12	398	536	684	837
2007	5	0	100	183	294	428
2007	6	0	9	31	77	155
2007	7	0	0	1	5	24
2007	8	0	0	0	2	13
2007	9	0	1	6	23	66
2007	10	0	47	101	183	292
2007	11	2	243	364	498	641
2007	12	56	653	804	957	1112
2008	1	188	991	1148	1305	1461
2008	2	209	990	1136	1283	1429
2008	3	101	776	921	1067	1214
2008	4	12	398	536	684	837
2008	5	0	100	183	294	428
2008	6	0	9	31	77	155
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2008	8	0	0	0	2	13
2008	9	0	1	6	23	66
2008	10	0	47	101	183	292
2008	11	2	243	364	498	641
2008	12	56	653	804	957	1112
2009	1	188	991	1148	1305	1461
2009	2	209	990	1136	1283	1429
2009	3	101	776	921	1067	1214
2009	4	12	398	536	684	837
2009	5	0	100	183	294	428
2009	6	0	9	31	77	155
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2009	8	0	0	0	2	13
2009	9	0	1	6	23	66
2009	10	0	47	101	183	292
2009	11	2	243	364	498	641
2009	12	56	653	804	957	1112
2010	1	188	991	1148	1305	1461
2010	2	209	990	1136	1283	1429
2010	3	101	776	921	1067	1214
2010	4	12	398	536	684	837
2010	5	0	100	183	294	428
2010	6	0	9	31	77	155
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2010	8	0	0	0	2	13
2010	9	0	1	6	23	66
2010	10	0	47	101	183	292
2010	11	2	243	364	498	641
2010	12	56	653	804	957	1112
2011	1	188	991	1148	1305	1461

2011	2	209	990	1136	1283	1429
2011	3	101	776	921	1067	1214
2011	4	12	398	536	684	837
2011	5	0	100	183	294	428
2011	6	0	9	31	77	155
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2011	9	0	1	6	23	66
2011	10	0	47	101	183	292
2011	11	2	243	364	498	641
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2012	1	188	991	1148	1305	1461
2012	2	209	990	1136	1283	1429
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2012	4	12	398	536	684	837
2012	5	0	100	183	294	428
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2012	8	0	0	0	2	13
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2012	10	0	47	101	183	292
2012	11	2	243	364	498	641
2012	12	56	653	804	957	1112
2013	1	188	991	1148	1305	1461
2013	2	209	990	1136	1283	1429
2013	3	101	776	921	1067	1214
2013	4	12	398	536	684	837
2013	5	0	100	183	294	428
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2013	9	0	1	6	23	66
2013	10	0	47	101	183	292
2013	11	2	243	364	498	641
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2014	1	188	991	1148	1305	1461
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2014	8	0	0	0	2	13
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2014	10	0	47	101	183	292
2014	11	2	243	364	498	641
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2015	1	188	991	1148	1305	1461
2015	2	209	990	1136	1283	1429
2015	3	101	776	921	1067	1214

2015	4	12	398	536	684	837
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2015	9	0	1	6	23	66
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2018	3	101	776	921	1067	1214
2018	4	12	398	536	684	837
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2018	9	0	1	6	23	66
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2019	1	188	991	1148	1305	1461
2019	2	209	990	1136	1283	1429
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2019	5	0	100	183	294	428

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2019	9	0	1	6	23	66
2019	10	0	47	101	183	292
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2020	1	188	991	1148	1305	1461
2020	2	209	990	1136	1283	1429
2020	3	101	776	921	1067	1214
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2021	2	209	990	1136	1283	1429
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2027	2	209	990	1136	1283	1429
2027	3	101	776	921	1067	1214
2027	4	12	398	536	684	837
2027	5	0	100	183	294	428
2027	6	0	9	31	77	155
2027	7	0	0	1	5	24
2027	8	0	0	0	2	13
2027	9	0	1	6	23	66

2027	10	0	47	101	183	292
2027	11	2	243	364	498	641
2027	12	56	653	804	957	1112
2028	1	188	991	1148	1305	1461
2028	2	209	990	1136	1283	1429
2028	3	101	776	921	1067	1214
2028	4	12	398	536	684	837
2028	5	0	100	183	294	428
2028	6	0	9	31	77	155
2028	7	0	0	1	5	24
2028	8	0	0	0	2	13
2028	9	0	1	6	23	66
2028	10	0	47	101	183	292
2028	11	2	243	364	498	641
2028	12	56	653	804	957	1112
2029	1	188	991	1148	1305	1461
2029	2	209	990	1136	1283	1429
2029	3	101	776	921	1067	1214
2029	4	12	398	536	684	837
2029	5	0	100	183	294	428
2029	6	0	9	31	77	155
2029	7	0	0	1	5	24
2029	8	0	0	0	2	13
2029	9	0	1	6	23	66
2029	10	0	47	101	183	292
2029	11	2	243	364	498	641
2029	12	56	653	804	957	1112
2030	1	188	991	1148	1305	1461
2030	2	209	990	1136	1283	1429
2030	3	101	776	921	1067	1214
2030	4	12	398	536	684	837
2030	5	0	100	183	294	428
2030	6	0	9	31	77	155
2030	7	0	0	1	5	24
2030	8	0	0	0	2	13
2030	9	0	1	6	23	66
2030	10	0	47	101	183	292
2030	11	2	243	364	498	641
2030	12	56	653	804	957	1112

Year	Month	Bdays
2001	1	33.04348
2001	2	29.56522
2001	3	29.47826
2001	4	29.52174
2001	5	29.56522
2001	6	31.82609
2001	7	31.82609
2001	8	29.91304
2001	9	30.43478
2001	10	29.86957
2001	11	29.5
2001	12	30.73913
2002	1	33.04348
2002	2	29.34783
2002	3	29.5
2002	4	29.52174
2002	5	30.78261
2002	6	30.73913
2002	7	30.43478
2002	8	31.17391
2002	9	30.47826
2002	10	29.77273
2002	11	29.56522
2002	12	30.47826
2003	1	31.04348
2003	2	29.56522
2003	3	29.47826
2003	4	29.52174
2003	5	30.78261
2003	6	30.73913
2003	7	30.43478
2003	8	31.17391
2003	9	30.52174
2003	10	29.78261
2003	11	29.52174
2003	12	30.73913
2004	1	35.73913
2004	2	29.43478
2004	3	29.52174
2004	4	29.52174
2004	5	30.78261
2004	6	30.6087
2004	7	31.91304

2004	8	29.82609
2004	9	30.43478
2004	10	29.86957
2004	11	29.52174
2004	12	33.43478
2005	1	29.3913
2005	2	29.34783
2005	3	30.30435
2005	4	30.82609
2005	5	29.86957
2005	6	30.73913
2005	7	30.56522
2005	8	29.82609
2005	9	31.69565
2005	10	29.82609
2005	11	29.78261
2005	12	31.91304
2006	1	33.21739
2006	2	29.56522
2006	3	29.78261
2006	4	30.26087
2006	5	29.52174
2006	6	30.78261
2006	7	31.6087
2006	8	28.43478
2006	9	32.13043
2006	10	29.65217
2006	11	30.04348
2006	12	30.78261
2007	1	31.15
2007	2	30.1
2007	3	28.7
2007	4	30.8
2007	5	29.45
2007	6	32.15
2007	7	30.7
2007	8	30.9
2007	9	30.7
2007	10	28.09524
2007	11	30.35
2007	12	30.15
2008	1	32
2008	2	31
2008	3	29.4

2008	4	29.4
2008	5	30.9
2008	6	30.7
2008	7	30.6
2008	8	31
2008	9	28.35
2008	10	32.8
2008	11	28.45
2008	12	30.65
2009	1	33.7
2009	2	28.05
2009	3	29.8
2009	4	31
2009	5	28.9
2009	6	31.1
2009	7	32.3
2009	8	30.3
2009	9	30.45
2009	10	29.75
2009	11	28
2009	12	30.9
2010	1	32.3
2010	2	28.7
2010	3	30.3
2010	4	31.8
2010	5	29.4
2010	6	31.2
2010	7	31.55
2010	8	30.05
2010	9	31.5
2010	10	29.7
2010	11	28
2010	12	32.4
2011	1	30.85
2011	2	29.5
2011	3	30.15
2011	4	31.05
2011	5	29.4
2011	6	31.4
2011	7	30.35
2011	8	30.3
2011	9	32.35
2011	10	29.6
2011	11	28.9

2011	12	31.45
2012	1	32.05
2012	2	29.4
2012	3	30.05
2012	4	30.15
2012	5	30.4
2012	6	31.2
2012	7	30.7
2012	8	31.1
2012	9	30.35
2012	10	30
2012	11	30
2012	12	30.1
2013	1	32.9
2013	2	29.5
2013	3	28.35
2013	4	29.9
2013	5	30.7
2013	6	31
2013	7	31.3
2013	8	30.35
2013	9	30.95
2013	10	30.45
2013	11	29.6
2013	12	30.1
2014	1	32.55
2014	2	30.05
2014	3	28.45
2014	4	29.95
2014	5	30.4
2014	6	30.65
2014	7	32
2014	8	29.6
2014	9	30.8
2014	10	31.35
2014	11	29.05
2014	12	29.6
2015	1	33.2
2015	2	28.95
2015	3	28.95
2015	4	31.6
2015	5	29.25
2015	6	30.15
2015	7	32.25

2015	8	30.25
2015	9	30.5
2015	10	30.35
2015	11	28.85
2015	12	31.2
2016	1	31.35
2016	2	29.3
2016	3	29.45
2016	4	31.4
2016	5	30.15
2016	6	30.6
2016	7	30.7
2016	8	30.5
2016	9	31.05
2016	10	29.7
2016	11	29.5
2016	12	30.85

Updated 1/25/16

Year	Month	BDaysNorm
2000	1	32
2000	2	29
2000	3	30
2000	4	30
2000	5	30
2000	6	31
2000	7	31
2000	8	30
2000	9	31
2000	10	30
2000	11	29
2000	12	31

Year	Month	ResAvgUse	HDD65	Feb	Mar	May	Jun	Jul	Aug	Sep	XMissing	YMissing
2007	1	129.01	1,360.67	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2007	2	176.63	1,626.81	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2007	3	139.94	1,251.21	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2007	4	84.34	786.88	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2007	5	45.86	321.56	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2007	6	23.55	80.87	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2007	7	19.53	6.06	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2007	8	17.89	5.59	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2007	9	19.33	56.51	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0
2007	10	22.61	178.34	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2007	11	52.05	557.59	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2007	12	129.41	1,229.87	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2008	1	162.84	1,557.08	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2008	2	182.26	1,541.95	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2008	3	154.84	1,382.38	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2008	4	97.89	910.20	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2008	5	59.60	469.19	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2008	6	29.39	145.37	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2008	7	19.69	7.46	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2008	8	17.92	2.88	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2008	9	17.85	78.97	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0
2008	10	24.45	228.28	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2008	11	54.60	594.63	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2008	12	126.89	1,243.84	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2009	1	192.95	1,606.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2009	2	166.43	1,506.56	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2009	3	131.56	1,208.03	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2009	4	92.04	842.07	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2009	5	49.67	401.50	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2009	6	27.01	169.04	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2009	7	21.26	44.70	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2009	8	18.92	31.87	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2009	9	18.81	70.45	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0
2009	10	34.25	360.14	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2009	11	61.35	641.97	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2009	12	99.62	998.49	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2010	1	178.33	1,651.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2010	2	153.69	1,432.54	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2010	3	125.41	1,225.12	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2010	4	68.99	605.43	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2010	5	39.70	345.33	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2010	6	26.61	96.52	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2010	7	19.49	9.70	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2010	8	17.05	1.18	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2010	9	17.98	75.58	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0
2010	10	23.85	247.13	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0

2010	11	44.33	560.43	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2010	12	122.57	1,251.33	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2011	1	175.35	1,384.30	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2011	2	162.38	1,477.61	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2011	3	130.12	1,208.13	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2011	4	92.09	868.48	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2011	5	60.69	497.34	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2011	6	28.45	129.82	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2011	7	19.14	28.44	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2011	8	16.67	0.70	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2011	9	18.23	77.30	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0
2011	10	24.20	247.74	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2011	11	48.47	583.56	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2011	12	104.16	1,010.81	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2012	1	123.23	1,341.77	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2012	2	139.49	1,201.35	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2012	3	109.46	912.17	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2012	4	48.04	435.09	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2012	5	41.80	326.69	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2012	6	22.64	73.44	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2012	7	17.72	5.01	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2012	8	15.90	8.77	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2012	9	16.57	56.46	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0
2012	10	28.09	296.66	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2012	11	56.25	591.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2012	12	89.91	935.09	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2013	1	153.94	1,579.36	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2013	2	159.40	1,383.74	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2013	3	136.44	1,260.56	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2013	4	108.67	1,107.01	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2013	5	78.66	558.07	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2013	6	30.69	177.49	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2013	7	19.95	13.43	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2013	8	17.28	25.32	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2013	9	17.20	46.50	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0
2013	10	20.43	224.59	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2013	11	62.70	720.72	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2013	12	120.81	1,276.31	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2014	1	194.16	1,528.79	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2014	2	192.95	1,690.86	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2014	3	166.78	1,532.96	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2014	4	107.77	987.48	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2014	5	64.12	521.29	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2014	6	30.79	101.29	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2014	7	19.82	18.57	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2014	8	17.67	10.63	0.00	0.00	0.00	0.00	0.00	1	0.00	0	0
2014	9	17.28	79.56	0.00	0.00	0.00	0.00	0.00	0	1.00	0	0

2014	10	27.96	329.90	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2014	11	57.98	719.53	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2014	12	128.94	1,286.02	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2015	1	155.64	1,392.51	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2015	2	146.79	1,379.90	1.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2015	3	157.69	1,422.39	0.00	1.00	0.00	0.00	0.00	0	0.00	0	0
2015	4	86.19	789.88	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0
2015	5	49.86	388.70	0.00	0.00	1.00	0.00	0.00	0	0.00	0	0
2015	6	28.86	147.02	0.00	0.00	0.00	1.00	0.00	0	0.00	0	0
2015	7	19.41	17.85	0.00	0.00	0.00	0.00	1.00	0	0.00	0	0
2015	8		13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2015	9		66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2015	10		294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2015	11		646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2015	12		1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2016	1		1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2016	2		1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2016	3		1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2016	4		844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2016	5		431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2016	6		156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2016	7		24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2016	8		13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2016	9		66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2016	10		294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2016	11		646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2016	12		1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2017	1		1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2017	2		1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2017	3		1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2017	4		844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2017	5		431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2017	6		156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2017	7		24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2017	8		13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2017	9		66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2017	10		294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2017	11		646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2017	12		1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2018	1		1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2018	2		1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2018	3		1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2018	4		844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2018	5		431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2018	6		156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2018	7		24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2018	8		13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1

2018	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2018	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2018	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2018	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2019	1	1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2019	2	1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2019	3	1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2019	4	844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2019	5	431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2019	6	156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2019	7	24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2019	8	13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2019	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2019	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2019	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2019	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2020	1	1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2020	2	1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2020	3	1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2020	4	844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2020	5	431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2020	6	156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2020	7	24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2020	8	13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2020	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2020	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2020	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2020	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2021	1	1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2021	2	1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2021	3	1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2021	4	844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2021	5	431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2021	6	156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2021	7	24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2021	8	13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2021	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2021	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2021	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2021	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2022	1	1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2022	2	1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2022	3	1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2022	4	844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2022	5	431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2022	6	156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2022	7	24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1

2022	8	13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2022	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2022	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2022	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2022	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2023	1	1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2023	2	1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2023	3	1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2023	4	844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2023	5	431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2023	6	156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2023	7	24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2023	8	13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2023	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2023	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2023	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2023	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2024	1	1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2024	2	1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2024	3	1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2024	4	844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2024	5	431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2024	6	156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2024	7	24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2024	8	13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2024	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2024	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2024	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2024	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2025	1	1,473.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2025	2	1,440.92	1.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2025	3	1,224.29	0.00	1.00	0.00	0.00	0.00	0	0.00	0	1
2025	4	844.25	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2025	5	431.03	0.00	0.00	1.00	0.00	0.00	0	0.00	0	1
2025	6	156.63	0.00	0.00	0.00	1.00	0.00	0	0.00	0	1
2025	7	24.19	0.00	0.00	0.00	0.00	1.00	0	0.00	0	1
2025	8	13.57	0.00	0.00	0.00	0.00	0.00	1	0.00	0	1
2025	9	66.55	0.00	0.00	0.00	0.00	0.00	0	1.00	0	1
2025	10	294.38	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2025	11	646.54	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1
2025	12	1,120.75	0.00	0.00	0.00	0.00	0.00	0	0.00	0	1

Variable	Count	Mean	StdDev	Min	Max	Skewness	Kurtosis	Jarque-Bera	Probability	CorrYX	Units	Definition
ResAvgUse	103	75.205	57.410	15.895	194.165	0.584	1.883	11.2	3.69E-03	1.000		
HDD65	103	654.595	568.430	0.696	1,690.855	0.352	1.598	10.6	5.09E-03	0.984		
Feb	103	0.087	0.284	0.000	1.000	2.922	9.540	330.2	0.00E+00	0.483		
Mar	103	0.087	0.284	0.000	1.000	2.922	9.540	330.2	0.00E+00	0.346		
May	103	0.087	0.284	0.000	1.000	2.922	9.540	330.2	0.00E+00	-0.112		
Jun	103	0.087	0.284	0.000	1.000	2.922	9.540	330.2	0.00E+00	-0.258		
Jul	103	0.087	0.284	0.000	1.000	2.922	9.540	330.2	0.00E+00	-0.301		
Aug	103	0.078	0.269	0.000	1.000	3.156	10.959	442.8	0.00E+00	-0.294		
Sep	103	0.078	0.269	0.000	1.000	3.156	10.959	442.8	0.00E+00	-0.291		

	ResAvgUse	HDD65	Feb	Mar	May	Jun	Jul	Aug	Sep
ResAvgUse	1.000	0.984	0.483	0.346	-0.112	-0.258	-0.301	-0.294	-0.291
HDD65	0.984	1.000	0.445	0.331	-0.118	-0.277	-0.341	-0.345	-0.315
Feb	0.483	0.445	1.000	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091
Mar	0.346	0.331	-0.091	1.000	-0.091	-0.091	-0.091	-0.091	-0.091
May	-0.112	-0.118	-0.091	-0.091	1.000	-0.091	-0.091	-0.091	-0.091
Jun	-0.258	-0.277	-0.091	-0.091	-0.091	1.000	-0.091	-0.091	-0.091
Jul	-0.301	-0.341	-0.091	-0.091	-0.091	-0.091	1.000	-0.091	-0.091
Aug	-0.294	-0.345	-0.091	-0.091	-0.091	-0.091	-0.091	1.000	-0.091
Sep	-0.291	-0.315	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	1.000

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
mWthrRev.HDD65	0.105	0.001	104.221	0.00%		
mBin.Feb	9.967	2.676	3.725	0.03%		
mBin.Mar	6.017	2.361	2.548	1.25%		
mBin.May	9.760	2.048	4.766	0.00%		
mBin.Jun	14.465	1.984	7.289	0.00%		
mBin.Jul	17.790	1.981	8.982	0.00%		
mBin.Aug	16.272	2.101	7.746	0.00%		
mBin.Sep	10.748	2.101	5.114	0.00%		
AR(1)	-0.023	0.087	-0.260	79.58%		

Model Statistics	
Iterations	6
Adjusted Observations	102
Deg. of Freedom for Error	93
R-Squared	0.983
Adjusted R-Squared	0.982
AIC	4.184
BIC	4.416
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-349.11
Model Sum of Squares	327,648.32
Sum of Squared Errors	5,610.47
Mean Squared Error	60.33
Std. Error of Regression	7.77
Mean Abs. Dev. (MAD)	4.59
Mean Abs. % Err. (MAPE)	6.97%
Durbin-Watson Statistic	2.028
Durbin-H Statistic	#NA
Ljung-Box Statistic	20.09
Prob (Ljung-Box)	0.6917
Skewness	1.515
Kurtosis	9.596
Jarque-Bera	223.902
Prob (Jarque-Bera)	0.0000

Forecast Statistics	
Forecast Observations	0
Mean Abs. Dev. (MAD)	0.00
Mean Abs. % Err. (MAPE)	0.00%
Avg. Forecast Error	0.00
Mean % Error	0.00%
Root Mean-Square Error	0.00
Theil's Inequality Coefficient	0.0000
-- Bias Proportion	0.00%
-- Variance Proportion	0.00%
-- Covariance Proportion	0.00%

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2007	1	129.008				
2007	2	176.629	181.2529298	-4.624186005	-0.026180258	-0.595356613
2007	3	139.940	137.6099556	2.330440035	0.01665309	0.300040458
2007	4	84.342	82.64220094	1.699538733	0.020150625	0.218812916
2007	5	45.856	43.51636792	2.339525575	0.051019082	0.301210207
2007	6	23.545	22.91157268	0.633510028	0.026906256	0.081563411
2007	7	19.530	18.41415743	1.116175556	0.057150872	0.143705832
2007	8	17.893	16.83509192	1.058298378	0.059144654	0.136254237
2007	9	19.330	16.66339255	2.666748118	0.13795803	0.34333959
2007	10	22.609	18.68282923	3.926180995	0.173655589	0.505489575
2007	11	52.054	58.5120404	-6.45819843	-0.124067661	-0.831482804
2007	12	129.412	129.4016323	0.010720138	8.28371E-05	0.001380201
2008	1	162.837	163.6379891	-0.801066834	-0.004919442	-0.103136084
2008	2	182.263	172.0369179	10.22587846	0.056105133	1.316565631
2008	3	154.838	151.067017	3.771199731	0.024355742	0.485535983
2008	4	97.891	95.57797688	2.31281117	0.023626443	0.29777077
2008	5	59.603	59.01838466	0.584542524	0.009807279	0.075258923
2008	6	29.386	29.73019761	-0.344592508	-0.011726575	-0.044365739
2008	7	19.690	18.58228827	1.107482493	0.056246592	0.142586614
2008	8	17.922	16.54930038	1.372889744	0.076602789	0.176757377
2008	9	17.852	19.01610649	-1.163807374	-0.065190896	-0.149838353
2008	10	24.452	24.01780896	0.434191244	0.01775688	0.055901434
2008	11	54.601	62.48173166	-7.880317413	-0.144324419	-1.014578367
2008	12	126.886	130.8996628	-4.013533032	-0.031630983	-0.516736012
2009	1	192.953	168.8689973	24.08412451	0.124818527	3.100792829
2009	2	166.428	167.7521337	-1.324300357	-0.007957205	-0.17050157
2009	3	131.557	133.0174692	-1.460946319	-0.011105085	-0.188094521
2009	4	92.036	88.52976743	3.506161177	0.03809557	0.45141269
2009	5	49.675	51.87479811	-2.200164532	-0.04429151	-0.283267694
2009	6	27.008	32.2817525	-5.274059017	-0.195279875	-0.679026733
2009	7	21.264	22.60581363	-1.341557648	-0.0630898	-0.172723419
2009	8	18.922	19.64886258	-0.726509394	-0.038394241	-0.093536932
2009	9	18.815	18.16733117	0.647512981	0.034415006	0.083366269
2009	10	34.246	37.83433461	-3.588159938	-0.104775496	-0.4619699
2009	11	61.353	67.54968604	-6.19707695	-0.101007554	-0.797863827
2009	12	99.621	105.074218	-5.453312773	-0.054740647	-0.702105369
2010	1	178.331	173.6849509	4.646539098	0.026055629	0.598234538
2010	2	153.689	160.4115405	-6.722831318	-0.04374317	-0.865553868
2010	3	125.407	134.9253753	-9.51795104	-0.075896233	-1.225421099
2010	4	68.987	63.83915704	5.14783265	0.07462034	0.662775288
2010	5	39.704	45.93032735	-6.226610539	-0.156826893	-0.80166623
2010	6	26.612	24.752165	1.8602481	0.069901519	0.239503992
2010	7	19.495	18.76470972	0.730021777	0.037447132	0.093989146
2010	8	17.050	16.38082083	0.66914364	0.039246043	0.086151182
2010	9	17.976	18.67535483	-0.699771696	-0.038929012	-0.090094496
2010	10	23.850	25.98843933	-2.138148745	-0.08964875	-0.275283259

2010	11	44.327	58.94655919	-14.61975055	-0.32981735	-1.882269693
2010	12	122.572	131.8381005	-9.266499059	-0.075600702	-1.193047055
2011	1	175.351	145.6850227	29.66565094	0.169178996	3.819405502
2011	2	162.377	164.5807875	-2.204213581	-0.013574702	-0.283789002
2011	3	130.116	133.0510787	-2.935508924	-0.022560781	-0.377942118
2011	4	92.087	91.33749165	0.74919839	0.008135795	0.096458104
2011	5	60.689	62.00911474	-1.319877234	-0.021748127	-0.1699321
2011	6	28.455	28.13875248	0.316073523	0.011107906	0.040693965
2011	7	19.136	20.7711959	-1.635126566	-0.085447358	-0.210519952
2011	8	16.674	16.38244927	0.29133511	0.017472645	0.037508933
2011	9	18.225	18.86421686	-0.638905646	-0.035055953	-0.082258089
2011	10	24.203	26.05104823	-1.847759435	-0.076343321	-0.237896096
2011	11	48.470	61.37056921	-12.90028936	-0.26614844	-1.660891793
2011	12	104.162	106.5218038	-2.360161217	-0.022658641	-0.303867013
2012	1	123.232	141.0603151	-17.82823961	-0.144672071	-2.295357571
2012	2	139.493	136.6250491	2.868396263	0.020562947	0.369301469
2012	3	109.457	101.8073983	7.649128372	0.069882798	0.984813145
2012	4	48.045	45.55469955	2.490251323	0.051831697	0.320615908
2012	5	41.802	44.04038683	-2.238560326	-0.053551735	-0.288211091
2012	6	22.644	22.23534537	0.409015153	0.018062561	0.052660052
2012	7	17.719	18.30631641	-0.587619802	-0.033163828	-0.075655117
2012	8	15.895	17.20745978	-1.312363997	-0.082564082	-0.168964783
2012	9	16.567	16.71066459	-0.144154734	-0.008701575	-0.018559693
2012	10	28.090	31.17992739	-3.089607709	-0.109988343	-0.397782092
2012	11	56.252	62.23815525	-5.986387496	-0.106421322	-0.770737894
2012	12	89.906	98.40712676	-8.501181243	-0.094556386	-1.0945136
2013	1	153.942	166.1725393	-12.23037879	-0.079447883	-1.57464187
2013	2	159.399	155.6630343	3.736106142	0.023438684	0.48101774
2013	3	136.435	138.4047795	-1.96940379	-0.014434701	-0.253557614
2013	4	108.667	116.3881504	-7.720819909	-0.071050056	-0.994043316
2013	5	78.656	68.58397895	10.07180126	0.128049092	1.296728437
2013	6	30.692	32.88604139	-2.19410358	-0.071487946	-0.282487356
2013	7	19.948	19.25656384	0.691193272	0.034650175	0.088990037
2013	8	17.275	18.91666495	-1.641541347	-0.095023421	-0.211345845
2013	9	17.199	15.67247904	1.52604106	0.088730952	0.196475366
2013	10	20.429	23.56794235	-3.139420403	-0.153678294	-0.404195397
2013	11	62.704	75.81556089	-13.11108828	-0.209093351	-1.688031819
2013	12	120.811	134.4283838	-13.61716948	-0.112714449	-1.75318897
2014	1	194.165	160.9692949	33.19562387	0.170966126	4.273883918
2014	2	192.948	186.9098848	6.038191178	0.031294384	0.777407536
2014	3	166.784	167.0036621	-0.219853724	-0.001318196	-0.028305818
2014	4	107.765	103.7870162	3.978323371	0.036916539	0.512202824
2014	5	64.121	64.45423901	-0.333115246	-0.005195094	-0.04288806
2014	6	30.790	25.11934493	5.67046776	0.184167011	0.73006373
2014	7	19.818	19.61374255	0.204017687	0.010294689	0.026266954
2014	8	17.668	17.38729941	0.280467478	0.015874529	0.036109743
2014	9	17.275	19.10290034	-1.827498484	-0.105786163	-0.235287531

2014	10	27.963	34.71260389	-6.749297536	-0.241362643	-0.868961352
2014	11	57.977	75.77087534	-17.79404985	-0.306916595	-2.290955694
2014	12	128.941	135.5534871	-6.612710123	-0.051284863	-0.851375939
2015	1	155.642	146.4869554	9.154842941	0.058819951	1.178671507
2015	2	146.792	154.7772382	-7.985171545	-0.054397841	-1.02807817
2015	3	157.693	155.6882881	2.004912912	0.01271401	0.258129357
2015	4	86.188	82.9630716	3.224726656	0.037415118	0.415178442
2015	5	49.861	50.5384927	-0.677541388	-0.013588617	-0.087232379
2015	6	28.856	29.93282302	-1.076563697	-0.037307805	-0.138605868
2015	7	19.405	19.68987027	-0.284399518	-0.014655636	-0.036615987
2015	8		17.70377051			
2015	9		17.74102132			
2015	10		30.93760106			
2015	11		67.94797447			
2015	12		117.7857329			
2016	1		154.8578671			
2016	2		161.4005233			
2016	3		134.6838048			
2016	4		88.72679197			
2016	5		55.05879599			
2016	6		30.92573726			
2016	7		20.33286775			
2016	8		17.69788041			
2016	9		17.74115453			
2016	10		30.93759805			
2016	11		67.94797454			
2016	12		117.7857329			
2017	1		154.8578671			
2017	2		161.4005233			
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2017	4		88.72679197			
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2017	6		30.92573726			
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2017	8		17.69788041			
2017	9		17.74115453			
2017	10		30.93759805			
2017	11		67.94797454			
2017	12		117.7857329			
2018	1		154.8578671			
2018	2		161.4005233			
2018	3		134.6838048			
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2018	5		55.05879599			
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2018	7		20.33286775			
2018	8		17.69788041			

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2020	5	55.05879599
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2020	12	117.7857329
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2021	5	55.05879599
2021	6	30.92573726
2021	7	20.33286775
2021	8	17.69788041
2021	9	17.74115453
2021	10	30.93759805
2021	11	67.94797454
2021	12	117.7857329
2022	1	154.8578671
2022	2	161.4005233
2022	3	134.6838048
2022	4	88.72679197
2022	5	55.05879599
2022	6	30.92573726
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2022	8	17.69788041
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2023	1	154.8578671
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2023	5	55.05879599
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2023	9	17.74115453
2023	10	30.93759805
2023	11	67.94797454
2023	12	117.7857329
2024	1	154.8578671
2024	2	161.4005233
2024	3	134.6838048
2024	4	88.72679197
2024	5	55.05879599
2024	6	30.92573726
2024	7	20.33286775
2024	8	17.69788041
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2024	11	67.94797454
2024	12	117.7857329
2025	1	154.8578671
2025	2	161.4005233
2025	3	134.6838048
2025	4	88.72679197
2025	5	55.05879599
2025	6	30.92573726
2025	7	20.33286775
2025	8	17.69788041
2025	9	17.74115453
2025	10	30.93759805
2025	11	67.94797454
2025	12	117.7857329

Variable	Coefficient	Mean	Elast	Units	Definition
HDD65	0.105	654.595	0.915		
Feb	9.967	0.087	0.012		
Mar	6.017	0.087	0.007		
May	9.760	0.087	0.011		
Jun	14.465	0.087	0.017		
Jul	17.790	0.087	0.021		
Aug	16.272	0.078	0.017		
Sep	10.748	0.078	0.011		

Year	Month	Pred	HDD65	Feb	Mar	May	Jun	Jul	Aug	Sep	ARMA	X-Missing
2007	1		143.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
2007	2	181.253	170.970	9.967	0.000	0.000	0.000	0.000	0.000	0.000	0.316	0.000
2007	3	137.610	131.496	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.097	0.000
2007	4	82.642	82.697	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.055	0.000
2007	5	43.516	33.794	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.037	0.000
2007	6	22.912	8.499	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.052	0.000
2007	7	18.414	0.637	0.000	0.000	0.000	0.000	17.790	0.000	0.000	-0.013	0.000
2007	8	16.835	0.588	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.025	0.000
2007	9	16.663	5.939	0.000	0.000	0.000	0.000	0.000	0.000	10.748	-0.023	0.000
2007	10	18.683	18.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.060	0.000
2007	11	58.512	58.599	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.087	0.000
2007	12	129.402	129.254	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.148	0.000
2008	1	163.638	163.642	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.004	0.000
2008	2	172.037	162.052	9.967	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.000
2008	3	151.067	145.282	0.000	6.017	0.000	0.000	0.000	0.000	0.000	-0.232	0.000
2008	4	95.578	95.658	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.080	0.000
2008	5	59.018	49.309	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.050	0.000
2008	6	29.730	15.277	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.012	0.000
2008	7	18.582	0.784	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.008	0.000
2008	8	16.549	0.302	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.025	0.000
2008	9	19.016	8.299	0.000	0.000	0.000	0.000	0.000	0.000	10.748	-0.030	0.000
2008	10	24.018	23.991	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000
2008	11	62.482	62.492	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.010	0.000
2008	12	130.900	130.721	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.178	0.000
2009	1	168.869	168.782	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.000
2009	2	167.752	158.332	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.547	0.000
2009	3	133.017	126.958	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.042	0.000
2009	4	88.530	88.498	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.000
2009	5	51.875	42.195	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.080	0.000
2009	6	32.282	17.765	0.000	0.000	0.000	14.465	0.000	0.000	0.000	0.052	0.000
2009	7	22.606	4.698	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.118	0.000
2009	8	19.649	3.349	0.000	0.000	0.000	0.000	0.000	16.272	0.000	0.028	0.000
2009	9	18.167	7.404	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.016	0.000
2009	10	37.834	37.849	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.015	0.000
2009	11	67.550	67.468	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.081	0.000
2009	12	105.074	104.936	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.138	0.000
2010	1	173.685	173.565	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.000
2010	2	160.412	150.552	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.108	0.000
2010	3	134.925	128.754	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.154	0.000
2010	4	63.839	63.627	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.212	0.000
2010	5	45.930	36.292	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.121	0.000
2010	6	24.752	10.144	0.000	0.000	0.000	14.465	0.000	0.000	0.000	0.144	0.000
2010	7	18.765	1.020	0.000	0.000	0.000	0.000	17.790	0.000	0.000	-0.045	0.000
2010	8	16.381	0.124	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.015	0.000
2010	9	18.675	7.943	0.000	0.000	0.000	0.000	0.000	0.000	10.748	-0.015	0.000
2010	10	25.988	25.972	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000

2010	11	58.947	58.899	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.000
2010	12	131.838	131.509	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.000
2011	1	145.685	145.483	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.202	0.000
2011	2	164.581	155.289	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.676	0.000
2011	3	133.051	126.969	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.065	0.000
2011	4	91.337	91.273	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.000
2011	5	62.009	52.268	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.018	0.000
2011	6	28.139	13.644	0.000	0.000	0.000	14.465	0.000	0.000	0.000	0.030	0.000
2011	7	20.771	2.989	0.000	0.000	0.000	0.000	17.790	0.000	0.000	-0.008	0.000
2011	8	16.382	0.073	0.000	0.000	0.000	0.000	0.000	16.272	0.000	0.037	0.000
2011	9	18.864	8.124	0.000	0.000	0.000	0.000	0.000	0.000	10.748	-0.007	0.000
2011	10	26.051	26.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000
2011	11	61.371	61.329	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000
2011	12	106.522	106.231	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.291	0.000
2012	1	141.060	141.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000
2012	2	136.625	126.256	9.967	0.000	0.000	0.000	0.000	0.000	0.000	0.402	0.000
2012	3	101.807	95.864	0.000	6.017	0.000	0.000	0.000	0.000	0.000	-0.074	0.000
2012	4	45.555	45.726	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.171	0.000
2012	5	44.040	34.333	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.052	0.000
2012	6	22.235	7.719	0.000	0.000	0.000	14.465	0.000	0.000	0.000	0.052	0.000
2012	7	18.306	0.527	0.000	0.000	0.000	0.000	17.790	0.000	0.000	-0.010	0.000
2012	8	17.207	0.922	0.000	0.000	0.000	0.000	0.000	16.272	0.000	0.014	0.000
2012	9	16.711	5.934	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.029	0.000
2012	10	31.180	31.177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
2012	11	62.238	62.168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.000
2012	12	98.407	98.273	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.134	0.000
2013	1	166.173	165.983	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.189	0.000
2013	2	155.663	145.424	9.967	0.000	0.000	0.000	0.000	0.000	0.000	0.272	0.000
2013	3	138.405	132.478	0.000	6.017	0.000	0.000	0.000	0.000	0.000	-0.091	0.000
2013	4	116.388	116.342	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000
2013	5	68.584	58.651	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.174	0.000
2013	6	32.886	18.653	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.232	0.000
2013	7	19.257	1.412	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.055	0.000
2013	8	18.917	2.661	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.017	0.000
2013	9	15.672	4.887	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.038	0.000
2013	10	23.568	23.603	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.035	0.000
2013	11	75.816	75.744	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.072	0.000
2013	12	134.428	134.133	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.295	0.000
2014	1	160.969	160.668	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.301	0.000
2014	2	186.910	177.701	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.758	0.000
2014	3	167.004	161.106	0.000	6.017	0.000	0.000	0.000	0.000	0.000	-0.119	0.000
2014	4	103.787	103.779	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000
2014	5	64.454	54.785	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.090	0.000
2014	6	25.119	10.645	0.000	0.000	0.000	14.465	0.000	0.000	0.000	0.010	0.000
2014	7	19.614	1.952	0.000	0.000	0.000	0.000	17.790	0.000	0.000	-0.128	0.000
2014	8	17.387	1.117	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.002	0.000
2014	9	19.103	8.362	0.000	0.000	0.000	0.000	0.000	0.000	10.748	-0.006	0.000

2014	10	34.713	34.671	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000
2014	11	75.771	75.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.152	0.000
2014	12	135.553	135.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.399	0.000
2015	1	146.487	146.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.141	0.000
2015	2	154.777	145.021	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.210	0.000
2015	3	155.688	149.486	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.185	0.000
2015	4	82.963	83.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.050	0.000
2015	5	50.538	40.851	0.000	0.000	9.760	0.000	0.000	0.000	0.000	-0.072	0.000
2015	6	29.933	15.451	0.000	0.000	0.000	14.465	0.000	0.000	0.000	0.017	0.000
2015	7	19.690	1.876	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.024	0.000
2015	8	17.704	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	0.006	0.000
2015	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	-0.000	0.000
2015	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2015	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2016	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2016	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2016	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2016	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2016	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2016	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2016	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2017	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2017	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2017	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2017	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2017	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2017	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2017	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2018	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2018	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2018	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2018	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2018	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000

2018	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2018	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2019	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2019	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2019	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2019	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2019	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2019	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2019	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2020	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2020	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2020	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2020	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2020	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2020	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2020	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2021	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2021	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2021	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2021	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2021	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2021	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2021	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2022	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2022	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2022	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2022	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000

2022	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2022	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2022	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2023	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2023	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2023	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2023	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2023	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2023	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2023	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2024	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2024	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2024	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2024	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2024	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2024	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2024	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2025	1	154.858	154.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	2	161.401	151.434	9.967	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000
2025	3	134.684	128.667	0.000	6.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	4	88.727	88.727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	5	55.059	45.299	0.000	0.000	9.760	0.000	0.000	0.000	0.000	0.000	0.000
2025	6	30.926	16.461	0.000	0.000	0.000	14.465	0.000	0.000	0.000	-0.000	0.000
2025	7	20.333	2.543	0.000	0.000	0.000	0.000	17.790	0.000	0.000	0.000	0.000
2025	8	17.698	1.426	0.000	0.000	0.000	0.000	0.000	16.272	0.000	-0.000	0.000
2025	9	17.741	6.994	0.000	0.000	0.000	0.000	0.000	0.000	10.748	0.000	0.000
2025	10	30.938	30.938	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	11	67.948	67.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	12	117.786	117.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	0.000

Year	Month	Actual	Pred	Upper	Lower	Sigma
2007	1	129.008				
2007	2	176.629	181.2529298	197.2031775	165.302682	8.032208288
2007	3	139.940	137.6099556	153.5271693	121.6927419	8.015573028
2007	4	84.342	82.64220094	98.14624872	67.13815316	7.807511392
2007	5	45.856	43.51636792	59.439801	27.59293484	8.018704984
2007	6	23.545	22.91157268	38.82910944	6.994035925	8.01573572
2007	7	19.530	18.41415743	34.33149534	2.496819518	8.015635586
2007	8	17.893	16.83509192	32.81301163	0.857172219	8.046143299
2007	9	19.330	16.66339255	32.64109573	0.685689374	8.046034259
2007	10	22.609	18.68282923	34.11073447	3.254923992	7.769167617
2007	11	52.054	58.5120404	73.97617229	43.04790851	7.787410592
2007	12	129.412	129.4016323	145.020783	113.7824816	7.865474793
2008	1	162.837	163.6379891	179.3737587	147.9022196	7.92420159
2008	2	182.263	172.0369179	187.98987	156.0839658	8.033570142
2008	3	154.838	151.067017	166.9856012	135.1484328	8.016263209
2008	4	97.891	95.57797688	111.1090657	80.04688808	7.821128684
2008	5	59.603	59.01838466	74.93793582	43.09883349	8.016750133
2008	6	29.386	29.73019761	45.64759659	13.81279863	8.015666338
2008	7	19.690	18.58228827	34.49962261	2.664953929	8.015633788
2008	8	17.922	16.54930038	32.52722524	0.571375528	8.046145892
2008	9	17.852	19.01610649	34.99377669	3.038436292	8.046017653
2008	10	24.452	24.01780896	39.44835271	8.587265214	7.770496314
2008	11	54.601	62.48173166	77.95139558	47.01206774	7.790196409
2008	12	126.886	130.8996628	146.523247	115.2760786	7.867707418
2009	1	192.953	168.8689973	184.6244674	153.1135272	7.934122379
2009	2	166.428	167.7521337	183.7067486	151.7975188	8.034407503
2009	3	131.557	133.0174692	148.9351799	117.0997585	8.015823322
2009	4	92.036	88.52976743	104.0454372	73.0140977	7.813363962
2009	5	49.675	51.87479811	67.79544789	35.95414832	8.017303377
2009	6	27.008	32.2817525	48.19936382	16.36414118	8.015773268
2009	7	21.264	22.60581363	38.52323407	6.688393191	8.015677144
2009	8	18.922	19.64886258	35.62682805	3.670897102	8.046166347
2009	9	18.815	18.16733117	34.14499898	2.189663355	8.046016451
2009	10	34.246	37.83433461	53.27495673	22.39371249	7.775571569
2009	11	61.353	67.54968604	83.02693631	52.07243578	7.79401673
2009	12	99.621	105.074218	120.6270431	89.52139287	7.832074643
2010	1	178.331	173.6849509	189.4592729	157.9106289	7.943615782
2010	2	153.689	160.4115405	176.3706498	144.4524311	8.036670798
2010	3	125.407	134.9253753	150.8428332	119.0079174	8.015695992
2010	4	68.987	63.83915704	79.31050088	48.36781321	7.791042376
2010	5	39.704	45.93032735	61.85276481	30.0078899	8.018203607
2010	6	26.612	24.752165	40.66957202	8.834757975	8.015670387
2010	7	19.495	18.76470972	34.68203936	2.84738008	8.01563142
2010	8	17.050	16.38082083	32.35874984	0.402891826	8.046147984
2010	9	17.976	18.67535483	34.6530219	2.697687765	8.046016076
2010	10	23.850	25.98843933	41.42014765	10.55673101	7.771082768

2010	11	44.327	58.94655919	74.41110357	43.48201481	7.787618315
2010	12	122.572	131.8381005	147.4640833	116.2121177	7.868915292
2011	1	175.351	145.6850227	161.3559061	130.0141392	7.891526331
2011	2	162.377	164.5807875	180.5369963	148.6245786	8.035210178
2011	3	130.116	133.0510787	148.9687877	117.1333697	8.015822446
2011	4	92.087	91.33749165	106.8589963	75.81598697	7.81630232
2011	5	60.689	62.00911474	77.9285488	46.08968069	8.016691158
2011	6	28.455	28.13875248	44.05608881	12.22141615	8.015634789
2011	7	19.136	20.7711959	36.68853578	4.853856012	8.01563658
2011	8	16.674	16.38244927	32.3603796	0.404518936	8.046148649
2011	9	18.225	18.86421686	34.84188516	2.886548559	8.046016697
2011	10	24.203	26.05104823	41.48279579	10.61930066	7.771102532
2011	11	48.470	61.37056921	76.83854323	45.9025952	7.789345407
2011	12	104.162	106.5218038	122.0778204	90.96578718	7.833681809
2012	1	123.232	141.0603151	156.7163596	125.4042706	7.88405372
2012	2	139.493	136.6250491	152.6070411	120.6430572	8.04819399
2012	3	109.457	101.8073983	117.7411412	85.87365543	8.023896776
2012	4	48.045	45.55469955	61.00305869	30.10634042	7.779467769
2012	5	41.802	44.04038683	59.96359294	28.11718073	8.018590685
2012	6	22.644	22.23534537	38.15296523	6.317725514	8.015777567
2012	7	17.719	18.30631641	34.22365734	2.38897549	8.015637103
2012	8	15.895	17.20745978	33.18537581	1.229543742	8.046141449
2012	9	16.567	16.71066459	32.68836799	0.732961192	8.046034372
2012	10	28.090	31.17992739	46.61513437	15.74472042	7.772844615
2012	11	56.252	62.23815525	77.70734549	46.76896501	7.789957871
2012	12	89.906	98.40712676	113.9441422	82.87011132	7.824113213
2013	1	153.942	166.1725393	181.9172104	150.4278681	7.928684264
2013	2	159.399	155.6630343	171.6258588	139.7002099	8.038541643
2013	3	136.435	138.4047795	154.3219474	122.4876116	8.015549968
2013	4	108.667	116.3881504	131.9704037	100.8058972	7.846894037
2013	5	78.656	68.58397895	84.50384022	52.66411767	8.016906298
2013	6	30.692	32.88604139	48.80376263	16.96832016	8.01582862
2013	7	19.948	19.25656384	35.17388847	3.339239207	8.015628898
2013	8	17.275	18.91666495	34.89460282	2.938727069	8.046152449
2013	9	17.199	15.67247904	31.65023768	-0.305279601	8.04606219
2013	10	20.429	23.56794235	38.99826914	8.137615554	7.770387061
2013	11	62.704	75.81556089	91.30670472	60.32441706	7.801013236
2013	12	120.811	134.4283838	150.0624647	118.7943029	7.872993316
2014	1	194.165	160.9692949	176.6939361	145.2446537	7.918597579
2014	2	192.948	186.9098848	202.8592898	170.9604797	8.031783931
2014	3	166.784	167.0036621	182.9291611	151.0781632	8.019745321
2014	4	107.765	103.7870162	119.3370237	88.23700867	7.83065576
2014	5	64.121	64.45423901	80.37373058	48.53474745	8.01672012
2014	6	30.790	25.11934493	41.03672469	9.20196517	8.015656659
2014	7	19.818	19.61374255	35.53106602	3.696419081	8.015628312
2014	8	17.668	17.38729941	33.36521447	1.409384347	8.046140959
2014	9	17.275	19.10290034	35.08057139	3.125229294	8.04601808

2014	10	27.963	34.71260389	50.15051618	19.2746916	7.774206957
2014	11	57.977	75.77087534	91.26179819	60.27995249	7.800901956
2014	12	128.941	135.5534871	151.1907598	119.9162143	7.874600696
2015	1	155.642	146.4869554	162.1607576	130.8131532	7.892996143
2015	2	146.792	154.7772382	170.74038	138.8140963	8.038701494
2015	3	157.693	155.6882881	171.6081527	139.7684235	8.016907979
2015	4	86.188	82.9630716	98.46773146	67.45841173	7.807819627
2015	5	49.861	50.5384927	66.45947977	34.61750562	8.017473229
2015	6	28.856	29.93282302	45.85023223	14.0154138	8.015671492
2015	7	19.405	19.68987027	35.6071935	3.772547042	8.015628192
2015	8		17.70377051	33.68168579	1.725855218	8.046141073
2015	9		17.74102132	33.71869412	1.763348512	8.046018965
2015	10		30.93760106	46.37263291	15.50256921	7.772756428
2015	11		67.94797447	83.42598669	52.46996224	7.794400437
2015	12		117.7857329	133.3719245	102.1995413	7.848877296
2016	1		154.8578671	170.5613316	139.1544026	7.90793345
2016	2		161.4005233	177.3590545	145.4419922	8.036379649
2016	3		134.6838048	150.6012732	118.7663364	8.015701313
2016	4		88.72679197	104.2429367	73.21064722	7.813603173
2016	5		55.05879599	70.97882452	39.13876746	8.016990523
2016	6		30.92573726	46.84321964	15.00825487	8.015708338
2016	7		20.33286775	36.25019757	4.415537935	8.015631509
2016	8		17.69788041	33.67579569	1.719965121	8.046141073
2016	9		17.74115453	33.71882733	1.763481725	8.046018965
2016	10		30.93759805	46.3726299	15.50256619	7.772756428
2016	11		67.94797454	83.42598676	52.46996231	7.794400437
2016	12		117.7857329	133.3719245	102.1995413	7.848877296
2017	1		154.8578671	170.5613316	139.1544026	7.90793345
2017	2		161.4005233	177.3590545	145.4419922	8.036379649
2017	3		134.6838048	150.6012732	118.7663364	8.015701313
2017	4		88.72679197	104.2429367	73.21064722	7.813603173
2017	5		55.05879599	70.97882452	39.13876746	8.016990523
2017	6		30.92573726	46.84321964	15.00825487	8.015708338
2017	7		20.33286775	36.25019757	4.415537935	8.015631509
2017	8		17.69788041	33.67579569	1.719965121	8.046141073
2017	9		17.74115453	33.71882733	1.763481725	8.046018965
2017	10		30.93759805	46.3726299	15.50256619	7.772756428
2017	11		67.94797454	83.42598676	52.46996231	7.794400437
2017	12		117.7857329	133.3719245	102.1995413	7.848877296
2018	1		154.8578671	170.5613316	139.1544026	7.90793345
2018	2		161.4005233	177.3590545	145.4419922	8.036379649
2018	3		134.6838048	150.6012732	118.7663364	8.015701313
2018	4		88.72679197	104.2429367	73.21064722	7.813603173
2018	5		55.05879599	70.97882452	39.13876746	8.016990523
2018	6		30.92573726	46.84321964	15.00825487	8.015708338
2018	7		20.33286775	36.25019757	4.415537935	8.015631509
2018	8		17.69788041	33.67579569	1.719965121	8.046141073

2018	9	17.74115453	33.71882733	1.763481725	8.046018965
2018	10	30.93759805	46.3726299	15.50256619	7.772756428
2018	11	67.94797454	83.42598676	52.46996231	7.794400437
2018	12	117.7857329	133.3719245	102.1995413	7.848877296
2019	1	154.8578671	170.5613316	139.1544026	7.90793345
2019	2	161.4005233	177.3590545	145.4419922	8.036379649
2019	3	134.6838048	150.6012732	118.7663364	8.015701313
2019	4	88.72679197	104.2429367	73.21064722	7.813603173
2019	5	55.05879599	70.97882452	39.13876746	8.016990523
2019	6	30.92573726	46.84321964	15.00825487	8.015708338
2019	7	20.33286775	36.25019757	4.415537935	8.015631509
2019	8	17.69788041	33.67579569	1.719965121	8.046141073
2019	9	17.74115453	33.71882733	1.763481725	8.046018965
2019	10	30.93759805	46.3726299	15.50256619	7.772756428
2019	11	67.94797454	83.42598676	52.46996231	7.794400437
2019	12	117.7857329	133.3719245	102.1995413	7.848877296
2020	1	154.8578671	170.5613316	139.1544026	7.90793345
2020	2	161.4005233	177.3590545	145.4419922	8.036379649
2020	3	134.6838048	150.6012732	118.7663364	8.015701313
2020	4	88.72679197	104.2429367	73.21064722	7.813603173
2020	5	55.05879599	70.97882452	39.13876746	8.016990523
2020	6	30.92573726	46.84321964	15.00825487	8.015708338
2020	7	20.33286775	36.25019757	4.415537935	8.015631509
2020	8	17.69788041	33.67579569	1.719965121	8.046141073
2020	9	17.74115453	33.71882733	1.763481725	8.046018965
2020	10	30.93759805	46.3726299	15.50256619	7.772756428
2020	11	67.94797454	83.42598676	52.46996231	7.794400437
2020	12	117.7857329	133.3719245	102.1995413	7.848877296
2021	1	154.8578671	170.5613316	139.1544026	7.90793345
2021	2	161.4005233	177.3628665	145.4381801	8.038299294
2021	3	134.6838048	150.605097	118.7625126	8.017626893
2021	4	88.72679197	104.2468594	73.20672456	7.815578546
2021	5	55.05879599	70.98264769	39.13494428	8.018915794
2021	6	30.92573726	46.84704343	15.00443109	8.017633916
2021	7	20.33286775	36.25402139	4.411714112	8.017557106
2021	8	17.69788041	33.67960502	1.716155793	8.048059371
2021	9	17.74115453	33.72263672	1.759672339	8.047937291
2021	10	30.93759805	46.37657317	15.49862292	7.774742179
2021	11	67.94797454	83.42991909	52.46602998	7.796380676
2021	12	117.7857329	133.3758296	102.1956362	7.850843793
2022	1	154.8578671	170.5652075	139.1505267	7.909885266
2022	2	161.4005233	177.3628685	145.4381782	8.038300276
2022	3	134.6838048	150.605097	118.7625126	8.017626893
2022	4	88.72679197	104.2468594	73.20672456	7.815578546
2022	5	55.05879599	70.98264769	39.13494428	8.018915794
2022	6	30.92573726	46.84704343	15.00443109	8.017633916
2022	7	20.33286775	36.25402139	4.411714112	8.017557106

2022	8	17.69788041	33.67960502	1.716155793	8.048059371
2022	9	17.74115453	33.72263672	1.759672339	8.047937291
2022	10	30.93759805	46.37657317	15.49862292	7.774742179
2022	11	67.94797454	83.42991909	52.46602998	7.796380676
2022	12	117.7857329	133.3758296	102.1956362	7.850843793
2023	1	154.8578671	170.5652075	139.1505267	7.909885266
2023	2	161.4005233	177.3628685	145.4381782	8.038300276
2023	3	134.6838048	150.605097	118.7625126	8.017626893
2023	4	88.72679197	104.2468594	73.20672456	7.815578546
2023	5	55.05879599	70.98264769	39.13494428	8.018915794
2023	6	30.92573726	46.84704343	15.00443109	8.017633916
2023	7	20.33286775	36.25402139	4.411714112	8.017557106
2023	8	17.69788041	33.67960502	1.716155793	8.048059371
2023	9	17.74115453	33.72263672	1.759672339	8.047937291
2023	10	30.93759805	46.37657317	15.49862292	7.774742179
2023	11	67.94797454	83.42991909	52.46602998	7.796380676
2023	12	117.7857329	133.3758296	102.1956362	7.850843793
2024	1	154.8578671	170.5652075	139.1505267	7.909885266
2024	2	161.4005233	177.3628685	145.4381782	8.038300276
2024	3	134.6838048	150.605097	118.7625126	8.017626893
2024	4	88.72679197	104.2468594	73.20672456	7.815578546
2024	5	55.05879599	70.98264769	39.13494428	8.018915794
2024	6	30.92573726	46.84704343	15.00443109	8.017633916
2024	7	20.33286775	36.25402139	4.411714112	8.017557106
2024	8	17.69788041	33.67960502	1.716155793	8.048059371
2024	9	17.74115453	33.72263672	1.759672339	8.047937291
2024	10	30.93759805	46.37657317	15.49862292	7.774742179
2024	11	67.94797454	83.42991909	52.46602998	7.796380676
2024	12	117.7857329	133.3758296	102.1956362	7.850843793
2025	1	154.8578671	170.5652075	139.1505267	7.909885266
2025	2	161.4005233	177.3628685	145.4381782	8.038300276
2025	3	134.6838048	150.605097	118.7625126	8.017626893
2025	4	88.72679197	104.2468594	73.20672456	7.815578546
2025	5	55.05879599	70.98264769	39.13494428	8.018915794
2025	6	30.92573726	46.84704343	15.00443109	8.017633916
2025	7	20.33286775	36.25402139	4.411714112	8.017557106
2025	8	17.69788041	33.67960502	1.716155793	8.048059371
2025	9	17.74115453	33.72263672	1.759672339	8.047937291
2025	10	30.93759805	46.37657317	15.49862292	7.774742179
2025	11	67.94797454	83.42991909	52.46602998	7.796380676
2025	12	117.7857329	133.3758296	102.1956362	7.850843793

Year	Month	SCIAvgUse	HDD65	Aft2014	TrendVar	XMissing	YMissing
2007	1	119.47	1,360.67	0.00	17.08	0	0
2007	2	184.18	1,626.81	0.00	17.17	0	0
2007	3	170.41	1,251.21	0.00	17.25	0	0
2007	4	67.45	786.88	0.00	17.33	0	0
2007	5	36.41	321.56	0.00	17.42	0	0
2007	6	11.46	80.87	0.00	17.50	0	0
2007	7	9.19	6.06	0.00	17.58	0	0
2007	8	8.55	5.59	0.00	17.67	0	0
2007	9	8.52	56.51	0.00	17.75	0	0
2007	10	9.82	178.34	0.00	17.83	0	0
2007	11	28.05	557.59	0.00	17.92	0	0
2007	12	111.09	1,229.87	0.00	18.00	0	0
2008	1	171.43	1,557.08	0.00	18.08	0	0
2008	2	200.34	1,541.95	0.00	18.17	0	0
2008	3	176.48	1,382.38	0.00	18.25	0	0
2008	4	92.75	910.20	0.00	18.33	0	0
2008	5	50.92	469.19	0.00	18.42	0	0
2008	6	16.71	145.37	0.00	18.50	0	0
2008	7	10.18	7.46	0.00	18.58	0	0
2008	8	8.91	2.88	0.00	18.67	0	0
2008	9	10.66	78.97	0.00	18.75	0	0
2008	10	12.38	228.28	0.00	18.83	0	0
2008	11	34.35	594.63	0.00	18.92	0	0
2008	12	116.96	1,243.84	0.00	19.00	0	0
2009	1	226.76	1,606.00	0.00	19.08	0	0
2009	2	228.11	1,506.56	0.00	19.17	0	0
2009	3	167.62	1,208.03	0.00	19.25	0	0
2009	4	97.46	842.07	0.00	19.33	0	0
2009	5	42.37	401.50	0.00	19.42	0	0
2009	6	18.81	169.04	0.00	19.50	0	0
2009	7	12.57	44.70	0.00	19.58	0	0
2009	8	15.03	31.87	0.00	19.67	0	0
2009	9	12.24	70.45	0.00	19.75	0	0
2009	10	18.96	360.14	0.00	19.83	0	0
2009	11	51.59	641.97	0.00	19.92	0	0
2009	12	84.04	998.49	0.00	20.00	0	0
2010	1	201.56	1,651.50	0.00	20.08	0	0
2010	2	180.48	1,432.54	0.00	20.17	0	0
2010	3	141.38	1,225.12	0.00	20.25	0	0
2010	4	68.89	605.43	0.00	20.33	0	0
2010	5	32.69	345.33	0.00	20.42	0	0
2010	6	21.01	96.52	0.00	20.50	0	0
2010	7	14.38	9.70	0.00	20.58	0	0
2010	8	12.70	1.18	0.00	20.67	0	0
2010	9	16.14	75.58	0.00	20.75	0	0
2010	10	17.87	247.13	0.00	20.83	0	0

2010	11	34.10	560.43	0.00	20.92	0	0
2010	12	131.12	1,251.33	0.00	21.00	0	0
2011	1	221.69	1,384.30	0.00	21.08	0	0
2011	2	216.42	1,477.61	0.00	21.17	0	0
2011	3	171.85	1,208.13	0.00	21.25	0	0
2011	4	113.95	868.48	0.00	21.33	0	0
2011	5	44.99	497.34	0.00	21.42	0	0
2011	6	17.43	129.82	0.00	21.50	0	0
2011	7	16.06	28.44	0.00	21.58	0	0
2011	8	12.13	0.70	0.00	21.67	0	0
2011	9	24.19	77.30	0.00	21.75	0	0
2011	10	30.15	247.74	0.00	21.83	0	0
2011	11	43.65	583.56	0.00	21.92	0	0
2011	12	85.81	1,010.81	0.00	22.00	0	0
2012	1	122.18	1,341.77	0.00	22.08	0	0
2012	2	152.05	1,201.35	0.00	22.17	0	0
2012	3	117.98	912.17	0.00	22.25	0	0
2012	4	35.06	435.09	0.00	22.33	0	0
2012	5	27.51	326.69	0.00	22.42	0	0
2012	6	18.49	73.44	0.00	22.50	0	0
2012	7	7.66	5.01	0.00	22.58	0	0
2012	8	7.51	8.77	0.00	22.67	0	0
2012	9	9.64	56.46	0.00	22.75	0	0
2012	10	16.27	296.66	0.00	22.83	0	0
2012	11	44.99	591.54	0.00	22.92	0	0
2012	12	89.84	935.09	0.00	23.00	0	0
2013	1	183.51	1,579.36	0.00	23.08	0	0
2013	2	203.74	1,383.74	0.00	23.17	0	0
2013	3	169.94	1,260.56	0.00	23.25	0	0
2013	4	134.72	1,107.01	0.00	23.33	0	0
2013	5	82.61	558.07	0.00	23.42	0	0
2013	6	22.41	177.49	0.00	23.50	0	0
2013	7	12.77	13.43	0.00	23.58	0	0
2013	8	11.86	25.32	0.00	23.67	0	0
2013	9	10.93	46.50	0.00	23.75	0	0
2013	10	13.13	224.59	0.00	23.83	0	0
2013	11	53.55	720.72	0.00	23.92	0	0
2013	12	145.00	1,276.31	0.00	24.00	0	0
2014	1	272.82	1,528.79	1.00	24.08	0	0
2014	2	283.84	1,690.86	1.00	24.17	0	0
2014	3	243.40	1,532.96	1.00	24.25	0	0
2014	4	140.29	987.48	1.00	24.33	0	0
2014	5	75.09	521.29	1.00	24.42	0	0
2014	6	27.88	101.29	1.00	24.50	0	0
2014	7	15.50	18.57	1.00	24.58	0	0
2014	8	15.08	10.63	1.00	24.67	0	0
2014	9	15.00	79.56	1.00	24.75	0	0

2014	10	22.41	329.90	1.00	24.83	0	0
2014	11	56.02	719.53	1.00	24.92	0	0
2014	12	178.45	1,286.02	1.00	25.00	0	0
2015	1	217.31	1,392.51	1.00	25.08	0	0
2015	2	215.61	1,379.90	1.00	25.17	0	0
2015	3	241.17	1,422.39	1.00	25.25	0	0
2015	4	111.59	789.88	1.00	25.33	0	0
2015	5	57.29	388.70	1.00	25.42	0	0
2015	6	15.15	147.02	1.00	25.50	0	0
2015	7	7.65	17.85	1.00	25.58	0	0
2015	8		13.57	1.00	25.67	0	1
2015	9		66.55	1.00	25.75	0	1
2015	10		294.38	1.00	25.83	0	1
2015	11		646.54	1.00	25.92	0	1
2015	12		1,120.75	1.00	26.00	0	1
2016	1		1,473.50	1.00	26.08	0	1
2016	2		1,440.92	1.00	26.17	0	1
2016	3		1,224.29	1.00	26.25	0	1
2016	4		844.25	1.00	26.33	0	1
2016	5		431.03	1.00	26.42	0	1
2016	6		156.63	1.00	26.50	0	1
2016	7		24.19	1.00	26.58	0	1
2016	8		13.57	1.00	26.67	0	1
2016	9		66.55	1.00	26.75	0	1
2016	10		294.38	1.00	26.83	0	1
2016	11		646.54	1.00	26.92	0	1
2016	12		1,120.75	1.00	27.00	0	1
2017	1		1,473.50	1.00	27.08	0	1
2017	2		1,440.92	1.00	27.17	0	1
2017	3		1,224.29	1.00	27.25	0	1
2017	4		844.25	1.00	27.33	0	1
2017	5		431.03	1.00	27.42	0	1
2017	6		156.63	1.00	27.50	0	1
2017	7		24.19	1.00	27.58	0	1
2017	8		13.57	1.00	27.67	0	1
2017	9		66.55	1.00	27.75	0	1
2017	10		294.38	1.00	27.83	0	1
2017	11		646.54	1.00	27.92	0	1
2017	12		1,120.75	1.00	28.00	0	1
2018	1		1,473.50	1.00	28.08	0	1
2018	2		1,440.92	1.00	28.17	0	1
2018	3		1,224.29	1.00	28.25	0	1
2018	4		844.25	1.00	28.33	0	1
2018	5		431.03	1.00	28.42	0	1
2018	6		156.63	1.00	28.50	0	1
2018	7		24.19	1.00	28.58	0	1
2018	8		13.57	1.00	28.67	0	1

2018	9	66.55	1.00	28.75	0	1
2018	10	294.38	1.00	28.83	0	1
2018	11	646.54	1.00	28.92	0	1
2018	12	1,120.75	1.00	29.00	0	1
2019	1	1,473.50	1.00	29.08	0	1
2019	2	1,440.92	1.00	29.17	0	1
2019	3	1,224.29	1.00	29.25	0	1
2019	4	844.25	1.00	29.33	0	1
2019	5	431.03	1.00	29.42	0	1
2019	6	156.63	1.00	29.50	0	1
2019	7	24.19	1.00	29.58	0	1
2019	8	13.57	1.00	29.67	0	1
2019	9	66.55	1.00	29.75	0	1
2019	10	294.38	1.00	29.83	0	1
2019	11	646.54	1.00	29.92	0	1
2019	12	1,120.75	1.00	30.00	0	1
2020	1	1,473.50	1.00	30.08	0	1
2020	2	1,440.92	1.00	30.17	0	1
2020	3	1,224.29	1.00	30.25	0	1
2020	4	844.25	1.00	30.33	0	1
2020	5	431.03	1.00	30.42	0	1
2020	6	156.63	1.00	30.50	0	1
2020	7	24.19	1.00	30.58	0	1
2020	8	13.57	1.00	30.67	0	1
2020	9	66.55	1.00	30.75	0	1
2020	10	294.38	1.00	30.83	0	1
2020	11	646.54	1.00	30.92	0	1
2020	12	1,120.75	1.00	31.00	0	1
2021	1	1,473.50	1.00	31.08	0	1
2021	2	1,440.92	1.00	31.17	0	1
2021	3	1,224.29	1.00	31.25	0	1
2021	4	844.25	1.00	31.33	0	1
2021	5	431.03	1.00	31.42	0	1
2021	6	156.63	1.00	31.50	0	1
2021	7	24.19	1.00	31.58	0	1
2021	8	13.57	1.00	31.67	0	1
2021	9	66.55	1.00	31.75	0	1
2021	10	294.38	1.00	31.83	0	1
2021	11	646.54	1.00	31.92	0	1
2021	12	1,120.75	1.00	32.00	0	1
2022	1	1,473.50	1.00	32.08	0	1
2022	2	1,440.92	1.00	32.17	0	1
2022	3	1,224.29	1.00	32.25	0	1
2022	4	844.25	1.00	32.33	0	1
2022	5	431.03	1.00	32.42	0	1
2022	6	156.63	1.00	32.50	0	1
2022	7	24.19	1.00	32.58	0	1

2022	8	13.57	1.00	32.67	0	1
2022	9	66.55	1.00	32.75	0	1
2022	10	294.38	1.00	32.83	0	1
2022	11	646.54	1.00	32.92	0	1
2022	12	1,120.75	1.00	33.00	0	1
2023	1	1,473.50	1.00	33.08	0	1
2023	2	1,440.92	1.00	33.17	0	1
2023	3	1,224.29	1.00	33.25	0	1
2023	4	844.25	1.00	33.33	0	1
2023	5	431.03	1.00	33.42	0	1
2023	6	156.63	1.00	33.50	0	1
2023	7	24.19	1.00	33.58	0	1
2023	8	13.57	1.00	33.67	0	1
2023	9	66.55	1.00	33.75	0	1
2023	10	294.38	1.00	33.83	0	1
2023	11	646.54	1.00	33.92	0	1
2023	12	1,120.75	1.00	34.00	0	1
2024	1	1,473.50	1.00	34.08	0	1
2024	2	1,440.92	1.00	34.17	0	1
2024	3	1,224.29	1.00	34.25	0	1
2024	4	844.25	1.00	34.33	0	1
2024	5	431.03	1.00	34.42	0	1
2024	6	156.63	1.00	34.50	0	1
2024	7	24.19	1.00	34.58	0	1
2024	8	13.57	1.00	34.67	0	1
2024	9	66.55	1.00	34.75	0	1
2024	10	294.38	1.00	34.83	0	1
2024	11	646.54	1.00	34.92	0	1
2024	12	1,120.75	1.00	35.00	0	1
2025	1	1,473.50	1.00	35.08	0	1
2025	2	1,440.92	1.00	35.17	0	1
2025	3	1,224.29	1.00	35.25	0	1
2025	4	844.25	1.00	35.33	0	1
2025	5	431.03	1.00	35.42	0	1
2025	6	156.63	1.00	35.50	0	1
2025	7	24.19	1.00	35.58	0	1
2025	8	13.57	1.00	35.67	0	1
2025	9	66.55	1.00	35.75	0	1
2025	10	294.38	1.00	35.83	0	1
2025	11	646.54	1.00	35.92	0	1
2025	12	1,120.75	1.00	36.00	0	1
2026	1	1,473.50	1.00	36.08	0	1
2026	2	1,440.92	1.00	36.17	0	1
2026	3	1,224.29	1.00	36.25	0	1
2026	4	844.25	1.00	36.33	0	1
2026	5	431.03	1.00	36.42	0	1
2026	6	156.63	1.00	36.50	0	1

2026	7	24.19	1.00	36.58	0	1
2026	8	13.57	1.00	36.67	0	1
2026	9	66.55	1.00	36.75	0	1
2026	10	294.38	1.00	36.83	0	1
2026	11	646.54	1.00	36.92	0	1
2026	12	1,120.75	1.00	37.00	0	1
2027	1	1,473.50	1.00	37.08	0	1
2027	2	1,440.92	1.00	37.17	0	1
2027	3	1,224.29	1.00	37.25	0	1
2027	4	844.25	1.00	37.33	0	1
2027	5	431.03	1.00	37.42	0	1
2027	6	156.63	1.00	37.50	0	1
2027	7	24.19	1.00	37.58	0	1
2027	8	13.57	1.00	37.67	0	1
2027	9	66.55	1.00	37.75	0	1
2027	10	294.38	1.00	37.83	0	1
2027	11	646.54	1.00	37.92	0	1
2027	12	1,120.75	1.00	38.00	0	1
2028	1	1,473.50	1.00	38.08	0	1
2028	2	1,440.92	1.00	38.17	0	1
2028	3	1,224.29	1.00	38.25	0	1
2028	4	844.25	1.00	38.33	0	1
2028	5	431.03	1.00	38.42	0	1
2028	6	156.63	1.00	38.50	0	1
2028	7	24.19	1.00	38.58	0	1
2028	8	13.57	1.00	38.67	0	1
2028	9	66.55	1.00	38.75	0	1
2028	10	294.38	1.00	38.83	0	1
2028	11	646.54	1.00	38.92	0	1
2028	12	1,120.75	1.00	39.00	0	1
2029	1	1,473.50	1.00	39.08	0	1
2029	2	1,440.92	1.00	39.17	0	1
2029	3	1,224.29	1.00	39.25	0	1
2029	4	844.25	1.00	39.33	0	1
2029	5	431.03	1.00	39.42	0	1
2029	6	156.63	1.00	39.50	0	1
2029	7	24.19	1.00	39.58	0	1
2029	8	13.57	1.00	39.67	0	1
2029	9	66.55	1.00	39.75	0	1
2029	10	294.38	1.00	39.83	0	1
2029	11	646.54	1.00	39.92	0	1
2029	12	1,120.75	1.00	40.00	0	1
2030	1	1,473.50	1.00	40.08	0	1
2030	2	1,440.92	1.00	40.17	0	1
2030	3	1,224.29	1.00	40.25	0	1
2030	4	844.25	1.00	40.33	0	1
2030	5	431.03	1.00	40.42	0	1

2030	6	156.63	1.00	40.50	0	1
2030	7	24.19	1.00	40.58	0	1
2030	8	13.57	1.00	40.67	0	1
2030	9	66.55	1.00	40.75	0	1
2030	10	294.38	1.00	40.83	0	1
2030	11	646.54	1.00	40.92	0	1
2030	12	1,120.75	1.00	41.00	0	1
2031	1		1.00	41.08	1	1
2031	2		1.00	41.17	1	1
2031	3		1.00	41.25	1	1
2031	4		1.00	41.33	1	1
2031	5		1.00	41.42	1	1
2031	6		1.00	41.50	1	1
2031	7		1.00	41.58	1	1
2031	8		1.00	41.67	1	1
2031	9		1.00	41.75	1	1
2031	10		1.00	41.83	1	1
2031	11		1.00	41.92	1	1
2031	12		1.00	42.00	1	1
2032	1		1.00	42.08	1	1
2032	2		1.00	42.17	1	1
2032	3		1.00	42.25	1	1
2032	4		1.00	42.33	1	1
2032	5		1.00	42.42	1	1
2032	6		1.00	42.50	1	1
2032	7		1.00	42.58	1	1
2032	8		1.00	42.67	1	1
2032	9		1.00	42.75	1	1
2032	10		1.00	42.83	1	1
2032	11		1.00	42.92	1	1
2032	12		1.00	43.00	1	1
2033	1		1.00	43.08	1	1
2033	2		1.00	43.17	1	1
2033	3		1.00	43.25	1	1
2033	4		1.00	43.33	1	1
2033	5		1.00	43.42	1	1
2033	6		1.00	43.50	1	1
2033	7		1.00	43.58	1	1
2033	8		1.00	43.67	1	1
2033	9		1.00	43.75	1	1
2033	10		1.00	43.83	1	1
2033	11		1.00	43.92	1	1
2033	12		1.00	44.00	1	1
2034	1		1.00	44.08	1	1
2034	2		1.00	44.17	1	1
2034	3		1.00	44.25	1	1
2034	4		1.00	44.33	1	1

2034	5	1.00	44.42	1	1
2034	6	1.00	44.50	1	1
2034	7	1.00	44.58	1	1
2034	8	1.00	44.67	1	1
2034	9	1.00	44.75	1	1
2034	10	1.00	44.83	1	1
2034	11	1.00	44.92	1	1
2034	12	1.00	45.00	1	1
2035	1	1.00	45.08	1	1
2035	2	1.00	45.17	1	1
2035	3	1.00	45.25	1	1
2035	4	1.00	45.33	1	1
2035	5	1.00	45.42	1	1
2035	6	1.00	45.50	1	1
2035	7	1.00	45.58	1	1
2035	8	1.00	45.67	1	1
2035	9	1.00	45.75	1	1
2035	10	1.00	45.83	1	1
2035	11	1.00	45.92	1	1
2035	12	1.00	46.00	1	1
2036	1	1.00	46.08	1	1
2036	2	1.00	46.17	1	1
2036	3	1.00	46.25	1	1
2036	4	1.00	46.33	1	1
2036	5	1.00	46.42	1	1
2036	6	1.00	46.50	1	1
2036	7	1.00	46.58	1	1
2036	8	1.00	46.67	1	1
2036	9	1.00	46.75	1	1
2036	10	1.00	46.83	1	1
2036	11	1.00	46.92	1	1
2036	12	1.00	47.00	1	1
2037	1	1.00	47.08	1	1
2037	2	1.00	47.17	1	1
2037	3	1.00	47.25	1	1
2037	4	1.00	47.33	1	1
2037	5	1.00	47.42	1	1
2037	6	1.00	47.50	1	1
2037	7	1.00	47.58	1	1
2037	8	1.00	47.67	1	1
2037	9	1.00	47.75	1	1
2037	10	1.00	47.83	1	1
2037	11	1.00	47.92	1	1
2037	12	1.00	48.00	1	1
2038	1	1.00	48.08	1	1
2038	2	1.00	48.17	1	1
2038	3	1.00	48.25	1	1

2038	4	1.00	48.33	1	1
2038	5	1.00	48.42	1	1
2038	6	1.00	48.50	1	1
2038	7	1.00	48.58	1	1
2038	8	1.00	48.67	1	1
2038	9	1.00	48.75	1	1
2038	10	1.00	48.83	1	1
2038	11	1.00	48.92	1	1
2038	12	1.00	49.00	1	1

Variable	Count	Mean	StdDev	Min	Max	Skewness	Kurtosis	Jarque-Bera	Probability	CorrYX	Units	Definition
SCIAvgUse	103	81.726	78.219	7.506	283.842	0.840	2.392	13.7	1.06E-03	1.000		
HDD65	103	654.595	568.430	0.696	1,690.855	0.352	1.598	10.6	5.09E-03	0.950		
Aft2014	103	0.184	0.390	0.000	1.000	1.627	3.647	47.2	5.51E-11	0.212		
TrendVar	103	21.333	2.490	17.083	25.583	-0.000	1.800	6.2	4.54E-02	0.093		

	SCIAvgUse	HDD65	Aft2014	TrendVar
SCIAvgUse	1.000	0.950	0.212	0.093
HDD65	0.950	1.000	0.023	-0.029
Aft2014	0.212	0.023	1.000	0.866
TrendVar	0.093	-0.029	0.866	1.000

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
mWthrRev.HDD65	0.127	0.004	32.967	0.00%		
mBin.Aft2014	32.937	6.069	5.427	0.00%		
mBin.TrendVar	-0.374	0.172	-2.171	3.23%		
MA(1)	0.672	0.059	11.308	0.00%		

Model Statistics	
Iterations	9
Adjusted Observations	103
Deg. of Freedom for Error	99
R-Squared	0.946
Adjusted R-Squared	0.944
AIC	5.873
BIC	5.975
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-444.60
Model Sum of Squares	590,209.72
Sum of Squared Errors	33,855.37
Mean Squared Error	341.97
Std. Error of Regression	18.49
Mean Abs. Dev. (MAD)	14.08
Mean Abs. % Err. (MAPE)	42.65%
Durbin-Watson Statistic	1.848
Durbin-H Statistic	#NA
Ljung-Box Statistic	69.77
Prob (Ljung-Box)	0.0000
Skewness	0.173
Kurtosis	3.588
Jarque-Bera	1.995
Prob (Jarque-Bera)	0.3688

Forecast Statistics	
Forecast Observations	0
Mean Abs. Dev. (MAD)	0.00
Mean Abs. % Err. (MAPE)	0.00%
Avg. Forecast Error	0.00
Mean % Error	0.00%
Root Mean-Square Error	0.00
Theil's Inequality Coefficient	0.0000
-- Bias Proportion	0.00%
-- Variance Proportion	0.00%
-- Covariance Proportion	0.00%

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2007	1	119.472	166.902	-47.431	-39.70%	-2.565
2007	2	184.178	168.899	15.279	8.30%	0.826
2007	3	170.407	163.165	7.243	4.25%	0.392
2007	4	67.449	98.600	-31.152	-46.19%	-1.685
2007	5	36.413	13.514	22.900	62.89%	1.238
2007	6	11.462	19.144	-7.682	-67.02%	-0.415
2007	7	9.195	-10.960	20.155	219.19%	1.090
2007	8	8.547	7.651	0.895	10.48%	0.048
2007	9	8.525	1.166	7.359	86.33%	0.398
2007	10	9.823	20.992	-11.169	-113.70%	-0.604
2007	11	28.050	56.811	-28.761	-102.53%	-1.555
2007	12	111.091	130.579	-19.488	-17.54%	-1.054
2008	1	171.425	178.449	-7.024	-4.10%	-0.380
2008	2	200.345	184.865	15.479	7.73%	0.837
2008	3	176.478	179.631	-3.153	-1.79%	-0.171
2008	4	92.752	106.948	-14.196	-15.31%	-0.768
2008	5	50.922	43.333	7.589	14.90%	0.410
2008	6	16.706	16.699	0.007	0.04%	0.000
2008	7	10.178	-5.989	16.167	158.85%	0.874
2008	8	8.913	4.253	4.660	52.28%	0.252
2008	9	10.659	6.181	4.479	42.02%	0.242
2008	10	12.382	25.043	-12.661	-102.25%	-0.685
2008	11	34.351	60.152	-25.801	-75.11%	-1.395
2008	12	116.961	133.973	-17.011	-14.54%	-0.920
2009	1	226.757	185.969	40.788	17.99%	2.206
2009	2	228.113	212.107	16.006	7.02%	0.866
2009	3	167.622	157.407	10.214	6.09%	0.552
2009	4	97.460	106.879	-9.419	-9.66%	-0.509
2009	5	42.367	37.548	4.819	11.37%	0.261
2009	6	18.811	17.479	1.333	7.08%	0.072
2009	7	12.566	-0.730	13.296	105.81%	0.719
2009	8	15.028	5.642	9.386	62.46%	0.508
2009	9	12.242	7.898	4.344	35.49%	0.235
2009	10	18.957	41.373	-22.416	-118.25%	-1.212
2009	11	51.594	59.255	-7.661	-14.85%	-0.414
2009	12	84.037	114.540	-30.503	-36.30%	-1.649
2010	1	201.562	182.327	19.235	9.54%	1.040
2010	2	180.482	187.825	-7.343	-4.07%	-0.397
2010	3	141.382	143.522	-2.140	-1.51%	-0.116
2010	4	68.890	68.067	0.823	1.20%	0.045
2010	5	32.690	36.902	-4.213	-12.89%	-0.228
2010	6	21.014	1.801	19.213	91.43%	1.039
2010	7	14.378	6.452	7.926	55.13%	0.429
2010	8	12.705	-2.247	14.952	117.69%	0.809
2010	9	16.139	11.916	4.223	26.17%	0.228
2010	10	17.868	26.525	-8.657	-48.45%	-0.468

2010	11	34.103	57.741	-23.638	-69.31%	-1.278
2010	12	131.118	135.633	-4.514	-3.44%	-0.244
2011	1	221.694	165.384	56.311	25.40%	3.045
2011	2	216.422	218.101	-1.679	-0.78%	-0.091
2011	3	171.851	144.791	27.060	15.75%	1.463
2011	4	113.955	120.812	-6.857	-6.02%	-0.371
2011	5	44.990	50.728	-5.738	-12.75%	-0.310
2011	6	17.431	4.644	12.788	73.36%	0.692
2011	7	16.059	4.148	11.911	74.17%	0.644
2011	8	12.127	-0.005	12.133	100.04%	0.656
2011	9	24.194	9.868	14.325	59.21%	0.775
2011	10	30.148	33.016	-2.869	-9.52%	-0.155
2011	11	43.645	64.201	-20.556	-47.10%	-1.112
2011	12	85.814	106.699	-20.885	-24.34%	-1.129
2012	1	122.183	148.595	-26.413	-21.62%	-1.428
2012	2	152.050	126.967	25.083	16.50%	1.356
2012	3	117.976	124.705	-6.729	-5.70%	-0.364
2012	4	35.059	42.544	-7.485	-21.35%	-0.405
2012	5	27.515	28.199	-0.684	-2.49%	-0.037
2012	6	18.490	0.486	18.005	97.37%	0.974
2012	7	7.663	4.295	3.368	43.95%	0.182
2012	8	7.506	-5.091	12.597	167.82%	0.681
2012	9	9.643	7.152	2.490	25.83%	0.135
2012	10	16.274	30.921	-14.647	-90.01%	-0.792
2012	11	44.986	56.931	-11.945	-26.55%	-0.646
2012	12	89.842	102.467	-12.625	-14.05%	-0.683
2013	1	183.515	184.029	-0.514	-0.28%	-0.028
2013	2	203.740	167.221	36.520	17.92%	1.975
2013	3	169.938	176.384	-6.446	-3.79%	-0.349
2013	4	134.718	127.932	6.786	5.04%	0.367
2013	5	82.608	66.882	15.726	19.04%	0.850
2013	6	22.414	24.387	-1.974	-8.81%	-0.107
2013	7	12.768	-8.428	21.197	166.01%	1.146
2013	8	11.859	8.622	3.237	27.30%	0.175
2013	9	10.932	-0.778	11.710	107.11%	0.633
2013	10	13.132	27.563	-14.431	-109.89%	-0.780
2013	11	53.548	73.153	-19.605	-36.61%	-1.060
2013	12	145.002	140.402	4.600	3.17%	0.249
2014	1	272.818	221.724	51.094	18.73%	2.763
2014	2	283.842	273.570	10.273	3.62%	0.556
2014	3	243.402	226.004	17.398	7.15%	0.941
2014	4	140.294	161.292	-20.998	-14.97%	-1.135
2014	5	75.090	76.093	-1.004	-1.34%	-0.054
2014	6	27.883	36.007	-8.124	-29.14%	-0.439
2014	7	15.501	20.658	-5.157	-33.27%	-0.279
2014	8	15.076	21.608	-6.532	-43.33%	-0.353
2014	9	15.000	29.432	-14.432	-96.21%	-0.780

2014	10	22.415	55.975	-33.560	-149.72%	-1.815
2014	11	56.022	92.713	-36.692	-65.50%	-1.984
2014	12	178.453	162.723	15.730	8.81%	0.851
2015	1	217.314	211.473	5.841	2.69%	0.316
2015	2	215.609	203.191	12.417	5.76%	0.671
2015	3	241.171	212.990	28.181	11.69%	1.524
2015	4	111.586	142.998	-31.411	-28.15%	-1.699
2015	5	57.293	51.838	5.455	9.52%	0.295
2015	6	15.147	45.796	-30.649	-202.35%	-1.657
2015	7	7.647	5.058	2.589	33.86%	0.140
2015	8		26.813			
2015	9		31.789			
2015	10		60.773			
2015	11		105.591			
2015	12		165.953			
2016	1		210.846			
2016	2		206.665			
2016	3		179.045			
2016	4		130.615			
2016	5		77.959			
2016	6		42.981			
2016	7		26.084			
2016	8		24.700			
2016	9		31.416			
2016	10		60.400			
2016	11		105.217			
2016	12		165.579			
2017	1		210.472			
2017	2		206.291			
2017	3		178.671			
2017	4		130.241			
2017	5		77.585			
2017	6		42.608			
2017	7		25.711			
2017	8		24.326			
2017	9		31.042			
2017	10		60.026			
2017	11		104.844			
2017	12		165.206			
2018	1		210.098			
2018	2		205.918			
2018	3		178.298			
2018	4		129.868			
2018	5		77.211			
2018	6		42.234			
2018	7		25.337			
2018	8		23.952			

2018	9	30.668
2018	10	59.652
2018	11	104.470
2018	12	164.832
2019	1	209.724
2019	2	205.544
2019	3	177.924
2019	4	129.494
2019	5	76.838
2019	6	41.860
2019	7	24.963
2019	8	23.579
2019	9	30.294
2019	10	59.279
2019	11	104.096
2019	12	164.458
2020	1	209.351
2020	2	205.170
2020	3	177.550
2020	4	129.120
2020	5	76.464
2020	6	41.487
2020	7	24.590
2020	8	23.205
2020	9	29.921
2020	10	58.905
2020	11	103.723
2020	12	164.084
2021	1	208.977
2021	2	204.796
2021	3	177.177
2021	4	128.747
2021	5	76.090
2021	6	41.113
2021	7	24.216
2021	8	22.831
2021	9	29.547
2021	10	58.531
2021	11	103.349
2021	12	163.711
2022	1	208.603
2022	2	204.423
2022	3	176.803
2022	4	128.373
2022	5	75.716
2022	6	40.739
2022	7	23.842

2022	8	22.457
2022	9	29.173
2022	10	58.157
2022	11	102.975
2022	12	163.337
2023	1	208.230
2023	2	204.049
2023	3	176.429
2023	4	127.999
2023	5	75.343
2023	6	40.365
2023	7	23.468
2023	8	22.084
2023	9	28.800
2023	10	57.784
2023	11	102.602
2023	12	162.963
2024	1	207.856
2024	2	203.675
2024	3	176.056
2024	4	127.625
2024	5	74.969
2024	6	39.992
2024	7	23.095
2024	8	21.710
2024	9	28.426
2024	10	57.410
2024	11	102.228
2024	12	162.590
2025	1	207.482
2025	2	203.302
2025	3	175.682
2025	4	127.252
2025	5	74.595
2025	6	39.618
2025	7	22.721
2025	8	21.336
2025	9	28.052
2025	10	57.036
2025	11	101.854
2025	12	162.216
2026	1	207.109
2026	2	202.928
2026	3	175.308
2026	4	126.878
2026	5	74.222
2026	6	39.244

2026	7	22.347
2026	8	20.963
2026	9	27.679
2026	10	56.663
2026	11	101.480
2026	12	161.842
2027	1	206.735
2027	2	202.554
2027	3	174.935
2027	4	126.504
2027	5	73.848
2027	6	38.871
2027	7	21.974
2027	8	20.589
2027	9	27.305
2027	10	56.289
2027	11	101.107
2027	12	161.469
2028	1	206.361
2028	2	202.181
2028	3	174.561
2028	4	126.131
2028	5	73.474
2028	6	38.497
2028	7	21.600
2028	8	20.215
2028	9	26.931
2028	10	55.915
2028	11	100.733
2028	12	161.095
2029	1	205.988
2029	2	201.807
2029	3	174.187
2029	4	125.757
2029	5	73.101
2029	6	38.123
2029	7	21.226
2029	8	19.842
2029	9	26.558
2029	10	55.542
2029	11	100.359
2029	12	160.721
2030	1	205.614
2030	2	201.433
2030	3	173.814
2030	4	125.383
2030	5	72.727

2030	6	37.750
2030	7	20.853
2030	8	19.468
2030	9	26.184
2030	10	55.168
2030	11	99.986
2030	12	160.348
2031	1	
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2038	4
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2038	12

Variable	Coefficient	Mean	Elast	Units	Definition
HDD65	0.127	654.595	1.020		
Aft2014	32.937	0.184	0.074		
TrendVar	-0.374	21.333	-0.098		

Year	Month	Pred	HDD65	Aft2014	TrendVar	ARMA	X-Missing
2007	1	166.902	173.286	0.000	-6.384	0.000	0.000
2007	2	168.899	207.180	0.000	-6.415	-31.866	0.000
2007	3	163.165	159.345	0.000	-6.446	10.265	0.000
2007	4	98.600	100.212	0.000	-6.477	4.866	0.000
2007	5	13.514	40.951	0.000	-6.508	-20.929	0.000
2007	6	19.144	10.299	0.000	-6.539	15.385	0.000
2007	7	-10.960	0.772	0.000	-6.571	-5.161	0.000
2007	8	7.651	0.712	0.000	-6.602	13.541	0.000
2007	9	1.166	7.197	0.000	-6.633	0.602	0.000
2007	10	20.992	22.712	0.000	-6.664	4.944	0.000
2007	11	56.811	71.010	0.000	-6.695	-7.504	0.000
2007	12	130.579	156.629	0.000	-6.726	-19.323	0.000
2008	1	178.449	198.300	0.000	-6.757	-13.093	0.000
2008	2	184.865	196.373	0.000	-6.789	-4.719	0.000
2008	3	179.631	176.051	0.000	-6.820	10.400	0.000
2008	4	106.948	115.918	0.000	-6.851	-2.119	0.000
2008	5	43.333	59.753	0.000	-6.882	-9.538	0.000
2008	6	16.699	18.513	0.000	-6.913	5.099	0.000
2008	7	-5.989	0.950	0.000	-6.944	0.005	0.000
2008	8	4.253	0.366	0.000	-6.975	10.862	0.000
2008	9	6.181	10.057	0.000	-7.007	3.131	0.000
2008	10	25.043	29.072	0.000	-7.038	3.009	0.000
2008	11	60.152	75.728	0.000	-7.069	-8.506	0.000
2008	12	133.973	158.407	0.000	-7.100	-17.334	0.000
2009	1	185.969	204.529	0.000	-7.131	-11.429	0.000
2009	2	212.107	191.865	0.000	-7.162	27.403	0.000
2009	3	157.407	153.847	0.000	-7.193	10.754	0.000
2009	4	106.879	107.241	0.000	-7.225	6.863	0.000
2009	5	37.548	51.132	0.000	-7.256	-6.328	0.000
2009	6	17.479	21.528	0.000	-7.287	3.238	0.000
2009	7	-0.730	5.692	0.000	-7.318	0.895	0.000
2009	8	5.642	4.058	0.000	-7.349	8.933	0.000
2009	9	7.898	8.972	0.000	-7.380	6.306	0.000
2009	10	41.373	45.866	0.000	-7.411	2.919	0.000
2009	11	59.255	81.757	0.000	-7.443	-15.060	0.000
2009	12	114.540	127.161	0.000	-7.474	-5.147	0.000
2010	1	182.327	210.324	0.000	-7.505	-20.493	0.000
2010	2	187.825	182.438	0.000	-7.536	12.923	0.000
2010	3	143.522	156.023	0.000	-7.567	-4.934	0.000
2010	4	68.067	77.103	0.000	-7.598	-1.438	0.000
2010	5	36.902	43.978	0.000	-7.629	0.553	0.000
2010	6	1.801	12.292	0.000	-7.661	-2.830	0.000
2010	7	6.452	1.236	0.000	-7.692	12.908	0.000
2010	8	-2.247	0.150	0.000	-7.723	5.325	0.000
2010	9	11.916	9.625	0.000	-7.754	10.046	0.000
2010	10	26.525	31.473	0.000	-7.785	2.837	0.000

2010	11	57.741	71.373	0.000	-7.816	-5.816	0.000
2010	12	135.633	159.361	0.000	-7.847	-15.881	0.000
2011	1	165.384	176.295	0.000	-7.879	-3.033	0.000
2011	2	218.101	188.179	0.000	-7.910	37.832	0.000
2011	3	144.791	153.860	0.000	-7.941	-1.128	0.000
2011	4	120.812	110.603	0.000	-7.972	18.180	0.000
2011	5	50.728	63.338	0.000	-8.003	-4.607	0.000
2011	6	4.644	16.533	0.000	-8.034	-3.855	0.000
2011	7	4.148	3.622	0.000	-8.065	8.591	0.000
2011	8	-0.005	0.089	0.000	-8.097	8.002	0.000
2011	9	9.868	9.845	0.000	-8.128	8.151	0.000
2011	10	33.016	31.551	0.000	-8.159	9.624	0.000
2011	11	64.201	74.318	0.000	-8.190	-1.927	0.000
2011	12	106.699	128.730	0.000	-8.221	-13.810	0.000
2012	1	148.595	170.879	0.000	-8.252	-14.031	0.000
2012	2	126.967	152.996	0.000	-8.283	-17.745	0.000
2012	3	124.705	116.168	0.000	-8.315	16.852	0.000
2012	4	42.544	55.410	0.000	-8.346	-4.521	0.000
2012	5	28.199	41.605	0.000	-8.377	-5.029	0.000
2012	6	0.486	9.353	0.000	-8.408	-0.460	0.000
2012	7	4.295	0.638	0.000	-8.439	12.096	0.000
2012	8	-5.091	1.117	0.000	-8.470	2.262	0.000
2012	9	7.152	7.190	0.000	-8.501	8.463	0.000
2012	10	30.921	37.780	0.000	-8.532	1.673	0.000
2012	11	56.931	75.335	0.000	-8.564	-9.841	0.000
2012	12	102.467	119.087	0.000	-8.595	-8.025	0.000
2013	1	184.029	201.137	0.000	-8.626	-8.482	0.000
2013	2	167.221	176.223	0.000	-8.657	-0.346	0.000
2013	3	176.384	160.536	0.000	-8.688	24.535	0.000
2013	4	127.932	140.982	0.000	-8.719	-4.331	0.000
2013	5	66.882	71.073	0.000	-8.750	4.559	0.000
2013	6	24.387	22.603	0.000	-8.782	10.566	0.000
2013	7	-8.428	1.710	0.000	-8.813	-1.326	0.000
2013	8	8.622	3.225	0.000	-8.844	14.241	0.000
2013	9	-0.778	5.923	0.000	-8.875	2.175	0.000
2013	10	27.563	28.602	0.000	-8.906	7.867	0.000
2013	11	73.153	91.786	0.000	-8.937	-9.695	0.000
2013	12	140.402	162.542	0.000	-8.968	-13.171	0.000
2014	1	221.724	194.696	32.937	-9.000	3.091	0.000
2014	2	273.570	215.336	32.937	-9.031	34.327	0.000
2014	3	226.004	195.227	32.937	-9.062	6.902	0.000
2014	4	161.292	125.759	32.937	-9.093	11.689	0.000
2014	5	76.093	66.388	32.937	-9.124	-14.107	0.000
2014	6	36.007	12.899	32.937	-9.155	-0.674	0.000
2014	7	20.658	2.365	32.937	-9.186	-5.458	0.000
2014	8	21.608	1.353	32.937	-9.218	-3.465	0.000
2014	9	29.432	10.133	32.937	-9.249	-4.389	0.000

2014	10	55.975	42.014	32.937	-9.280	-9.696	0.000
2014	11	92.713	91.635	32.937	-9.311	-22.547	0.000
2014	12	162.723	163.779	32.937	-9.342	-24.651	0.000
2015	1	211.473	177.342	32.937	-9.373	10.568	0.000
2015	2	203.191	175.735	32.937	-9.404	3.924	0.000
2015	3	212.990	181.146	32.937	-9.436	8.342	0.000
2015	4	142.998	100.594	32.937	-9.467	18.933	0.000
2015	5	51.838	49.503	32.937	-9.498	-21.103	0.000
2015	6	45.796	18.723	32.937	-9.529	3.665	0.000
2015	7	5.058	2.273	32.937	-9.560	-20.592	0.000
2015	8	26.813	1.728	32.937	-9.591	1.739	0.000
2015	9	31.789	8.475	32.937	-9.622	0.000	0.000
2015	10	60.773	37.490	32.937	-9.654	0.000	0.000
2015	11	105.591	82.339	32.937	-9.685	-0.000	0.000
2015	12	165.953	142.732	32.937	-9.716	0.000	0.000
2016	1	210.846	187.656	32.937	-9.747	0.000	0.000
2016	2	206.665	183.506	32.937	-9.778	-0.000	0.000
2016	3	179.045	155.918	32.937	-9.809	0.000	0.000
2016	4	130.615	107.518	32.937	-9.840	0.000	0.000
2016	5	77.959	54.893	32.937	-9.872	-0.000	0.000
2016	6	42.981	19.947	32.937	-9.903	-0.000	0.000
2016	7	26.084	3.081	32.937	-9.934	0.000	0.000
2016	8	24.700	1.728	32.937	-9.965	0.000	0.000
2016	9	31.416	8.475	32.937	-9.996	0.000	0.000
2016	10	60.400	37.490	32.937	-10.027	0.000	0.000
2016	11	105.217	82.339	32.937	-10.058	-0.000	0.000
2016	12	165.579	142.732	32.937	-10.090	0.000	0.000
2017	1	210.472	187.656	32.937	-10.121	0.000	0.000
2017	2	206.291	183.506	32.937	-10.152	0.000	0.000
2017	3	178.671	155.918	32.937	-10.183	0.000	0.000
2017	4	130.241	107.518	32.937	-10.214	0.000	0.000
2017	5	77.585	54.893	32.937	-10.245	-0.000	0.000
2017	6	42.608	19.947	32.937	-10.276	-0.000	0.000
2017	7	25.711	3.081	32.937	-10.307	0.000	0.000
2017	8	24.326	1.728	32.937	-10.339	0.000	0.000
2017	9	31.042	8.475	32.937	-10.370	0.000	0.000
2017	10	60.026	37.490	32.937	-10.401	0.000	0.000
2017	11	104.844	82.339	32.937	-10.432	-0.000	0.000
2017	12	165.206	142.732	32.937	-10.463	-0.000	0.000
2018	1	210.098	187.656	32.937	-10.494	0.000	0.000
2018	2	205.918	183.506	32.937	-10.525	0.000	0.000
2018	3	178.298	155.918	32.937	-10.557	0.000	0.000
2018	4	129.868	107.518	32.937	-10.588	0.000	0.000
2018	5	77.211	54.893	32.937	-10.619	-0.000	0.000
2018	6	42.234	19.947	32.937	-10.650	0.000	0.000
2018	7	25.337	3.081	32.937	-10.681	0.000	0.000
2018	8	23.952	1.728	32.937	-10.712	0.000	0.000

2018	9	30.668	8.475	32.937	-10.743	0.000	0.000
2018	10	59.652	37.490	32.937	-10.775	0.000	0.000
2018	11	104.470	82.339	32.937	-10.806	-0.000	0.000
2018	12	164.832	142.732	32.937	-10.837	-0.000	0.000
2019	1	209.724	187.656	32.937	-10.868	0.000	0.000
2019	2	205.544	183.506	32.937	-10.899	0.000	0.000
2019	3	177.924	155.918	32.937	-10.930	0.000	0.000
2019	4	129.494	107.518	32.937	-10.961	0.000	0.000
2019	5	76.838	54.893	32.937	-10.993	-0.000	0.000
2019	6	41.860	19.947	32.937	-11.024	0.000	0.000
2019	7	24.963	3.081	32.937	-11.055	0.000	0.000
2019	8	23.579	1.728	32.937	-11.086	0.000	0.000
2019	9	30.294	8.475	32.937	-11.117	0.000	0.000
2019	10	59.279	37.490	32.937	-11.148	0.000	0.000
2019	11	104.096	82.339	32.937	-11.179	-0.000	0.000
2019	12	164.458	142.732	32.937	-11.211	-0.000	0.000
2020	1	209.351	187.656	32.937	-11.242	0.000	0.000
2020	2	205.170	183.506	32.937	-11.273	-0.000	0.000
2020	3	177.550	155.918	32.937	-11.304	0.000	0.000
2020	4	129.120	107.518	32.937	-11.335	0.000	0.000
2020	5	76.464	54.893	32.937	-11.366	-0.000	0.000
2020	6	41.487	19.947	32.937	-11.397	-0.000	0.000
2020	7	24.590	3.081	32.937	-11.429	0.000	0.000
2020	8	23.205	1.728	32.937	-11.460	0.000	0.000
2020	9	29.921	8.475	32.937	-11.491	0.000	0.000
2020	10	58.905	37.490	32.937	-11.522	0.000	0.000
2020	11	103.723	82.339	32.937	-11.553	-0.000	0.000
2020	12	164.084	142.732	32.937	-11.584	-0.000	0.000
2021	1	208.977	187.656	32.937	-11.615	0.000	0.000
2021	2	204.796	183.506	32.937	-11.647	0.000	0.000
2021	3	177.177	155.918	32.937	-11.678	0.000	0.000
2021	4	128.747	107.518	32.937	-11.709	0.000	0.000
2021	5	76.090	54.893	32.937	-11.740	-0.000	0.000
2021	6	41.113	19.947	32.937	-11.771	-0.000	0.000
2021	7	24.216	3.081	32.937	-11.802	0.000	0.000
2021	8	22.831	1.728	32.937	-11.833	0.000	0.000
2021	9	29.547	8.475	32.937	-11.865	0.000	0.000
2021	10	58.531	37.490	32.937	-11.896	0.000	0.000
2021	11	103.349	82.339	32.937	-11.927	0.000	0.000
2021	12	163.711	142.732	32.937	-11.958	-0.000	0.000
2022	1	208.603	187.656	32.937	-11.989	0.000	0.000
2022	2	204.423	183.506	32.937	-12.020	0.000	0.000
2022	3	176.803	155.918	32.937	-12.051	0.000	0.000
2022	4	128.373	107.518	32.937	-12.083	0.000	0.000
2022	5	75.716	54.893	32.937	-12.114	-0.000	0.000
2022	6	40.739	19.947	32.937	-12.145	0.000	0.000
2022	7	23.842	3.081	32.937	-12.176	0.000	0.000

2022	8	22.457	1.728	32.937	-12.207	0.000	0.000
2022	9	29.173	8.475	32.937	-12.238	0.000	0.000
2022	10	58.157	37.490	32.937	-12.269	0.000	0.000
2022	11	102.975	82.339	32.937	-12.300	-0.000	0.000
2022	12	163.337	142.732	32.937	-12.332	-0.000	0.000
2023	1	208.230	187.656	32.937	-12.363	0.000	0.000
2023	2	204.049	183.506	32.937	-12.394	0.000	0.000
2023	3	176.429	155.918	32.937	-12.425	0.000	0.000
2023	4	127.999	107.518	32.937	-12.456	0.000	0.000
2023	5	75.343	54.893	32.937	-12.487	-0.000	0.000
2023	6	40.365	19.947	32.937	-12.518	-0.000	0.000
2023	7	23.468	3.081	32.937	-12.550	0.000	0.000
2023	8	22.084	1.728	32.937	-12.581	0.000	0.000
2023	9	28.800	8.475	32.937	-12.612	0.000	0.000
2023	10	57.784	37.490	32.937	-12.643	0.000	0.000
2023	11	102.602	82.339	32.937	-12.674	-0.000	0.000
2023	12	162.963	142.732	32.937	-12.705	0.000	0.000
2024	1	207.856	187.656	32.937	-12.736	0.000	0.000
2024	2	203.675	183.506	32.937	-12.768	0.000	0.000
2024	3	176.056	155.918	32.937	-12.799	0.000	0.000
2024	4	127.625	107.518	32.937	-12.830	0.000	0.000
2024	5	74.969	54.893	32.937	-12.861	-0.000	0.000
2024	6	39.992	19.947	32.937	-12.892	-0.000	0.000
2024	7	23.095	3.081	32.937	-12.923	0.000	0.000
2024	8	21.710	1.728	32.937	-12.954	0.000	0.000
2024	9	28.426	8.475	32.937	-12.986	0.000	0.000
2024	10	57.410	37.490	32.937	-13.017	0.000	0.000
2024	11	102.228	82.339	32.937	-13.048	-0.000	0.000
2024	12	162.590	142.732	32.937	-13.079	0.000	0.000
2025	1	207.482	187.656	32.937	-13.110	0.000	0.000
2025	2	203.302	183.506	32.937	-13.141	0.000	0.000
2025	3	175.682	155.918	32.937	-13.172	0.000	0.000
2025	4	127.252	107.518	32.937	-13.204	0.000	0.000
2025	5	74.595	54.893	32.937	-13.235	-0.000	0.000
2025	6	39.618	19.947	32.937	-13.266	0.000	0.000
2025	7	22.721	3.081	32.937	-13.297	0.000	0.000
2025	8	21.336	1.728	32.937	-13.328	0.000	0.000
2025	9	28.052	8.475	32.937	-13.359	0.000	0.000
2025	10	57.036	37.490	32.937	-13.390	0.000	0.000
2025	11	101.854	82.339	32.937	-13.422	-0.000	0.000
2025	12	162.216	142.732	32.937	-13.453	0.000	0.000
2026	1	207.109	187.656	32.937	-13.484	0.000	0.000
2026	2	202.928	183.506	32.937	-13.515	0.000	0.000
2026	3	175.308	155.918	32.937	-13.546	0.000	0.000
2026	4	126.878	107.518	32.937	-13.577	0.000	0.000
2026	5	74.222	54.893	32.937	-13.608	-0.000	0.000
2026	6	39.244	19.947	32.937	-13.640	0.000	0.000

2026	7	22.347	3.081	32.937	-13.671	0.000	0.000
2026	8	20.963	1.728	32.937	-13.702	0.000	0.000
2026	9	27.679	8.475	32.937	-13.733	0.000	0.000
2026	10	56.663	37.490	32.937	-13.764	0.000	0.000
2026	11	101.480	82.339	32.937	-13.795	-0.000	0.000
2026	12	161.842	142.732	32.937	-13.826	0.000	0.000
2027	1	206.735	187.656	32.937	-13.858	0.000	0.000
2027	2	202.554	183.506	32.937	-13.889	0.000	0.000
2027	3	174.935	155.918	32.937	-13.920	0.000	0.000
2027	4	126.504	107.518	32.937	-13.951	0.000	0.000
2027	5	73.848	54.893	32.937	-13.982	-0.000	0.000
2027	6	38.871	19.947	32.937	-14.013	-0.000	0.000
2027	7	21.974	3.081	32.937	-14.044	0.000	0.000
2027	8	20.589	1.728	32.937	-14.075	0.000	0.000
2027	9	27.305	8.475	32.937	-14.107	0.000	0.000
2027	10	56.289	37.490	32.937	-14.138	0.000	0.000
2027	11	101.107	82.339	32.937	-14.169	-0.000	0.000
2027	12	161.469	142.732	32.937	-14.200	0.000	0.000
2028	1	206.361	187.656	32.937	-14.231	0.000	0.000
2028	2	202.181	183.506	32.937	-14.262	-0.000	0.000
2028	3	174.561	155.918	32.937	-14.293	0.000	0.000
2028	4	126.131	107.518	32.937	-14.325	0.000	0.000
2028	5	73.474	54.893	32.937	-14.356	0.000	0.000
2028	6	38.497	19.947	32.937	-14.387	-0.000	0.000
2028	7	21.600	3.081	32.937	-14.418	0.000	0.000
2028	8	20.215	1.728	32.937	-14.449	0.000	0.000
2028	9	26.931	8.475	32.937	-14.480	0.000	0.000
2028	10	55.915	37.490	32.937	-14.511	0.000	0.000
2028	11	100.733	82.339	32.937	-14.543	-0.000	0.000
2028	12	161.095	142.732	32.937	-14.574	0.000	0.000
2029	1	205.988	187.656	32.937	-14.605	0.000	0.000
2029	2	201.807	183.506	32.937	-14.636	-0.000	0.000
2029	3	174.187	155.918	32.937	-14.667	0.000	0.000
2029	4	125.757	107.518	32.937	-14.698	-0.000	0.000
2029	5	73.101	54.893	32.937	-14.729	0.000	0.000
2029	6	38.123	19.947	32.937	-14.761	0.000	0.000
2029	7	21.226	3.081	32.937	-14.792	0.000	0.000
2029	8	19.842	1.728	32.937	-14.823	0.000	0.000
2029	9	26.558	8.475	32.937	-14.854	0.000	0.000
2029	10	55.542	37.490	32.937	-14.885	0.000	0.000
2029	11	100.359	82.339	32.937	-14.916	0.000	0.000
2029	12	160.721	142.732	32.937	-14.947	0.000	0.000
2030	1	205.614	187.656	32.937	-14.979	0.000	0.000
2030	2	201.433	183.506	32.937	-15.010	-0.000	0.000
2030	3	173.814	155.918	32.937	-15.041	0.000	0.000
2030	4	125.383	107.518	32.937	-15.072	0.000	0.000
2030	5	72.727	54.893	32.937	-15.103	-0.000	0.000

2030	6	37.750	19.947	32.937	-15.134	0.000	0.000
2030	7	20.853	3.081	32.937	-15.165	-0.000	0.000
2030	8	19.468	1.728	32.937	-15.197	0.000	0.000
2030	9	26.184	8.475	32.937	-15.228	0.000	0.000
2030	10	55.168	37.490	32.937	-15.259	0.000	0.000
2030	11	99.986	82.339	32.937	-15.290	-0.000	0.000
2030	12	160.348	142.732	32.937	-15.321	0.000	0.000
2031	1			32.937	-15.352		1.000
2031	2			32.937	-15.383		1.000
2031	3			32.937	-15.415		1.000
2031	4			32.937	-15.446		1.000
2031	5			32.937	-15.477		1.000
2031	6			32.937	-15.508		1.000
2031	7			32.937	-15.539		1.000
2031	8			32.937	-15.570		1.000
2031	9			32.937	-15.601		1.000
2031	10			32.937	-15.633		1.000
2031	11			32.937	-15.664		1.000
2031	12			32.937	-15.695		1.000
2032	1			32.937	-15.726		1.000
2032	2			32.937	-15.757		1.000
2032	3			32.937	-15.788		1.000
2032	4			32.937	-15.819		1.000
2032	5			32.937	-15.850		1.000
2032	6			32.937	-15.882		1.000
2032	7			32.937	-15.913		1.000
2032	8			32.937	-15.944		1.000
2032	9			32.937	-15.975		1.000
2032	10			32.937	-16.006		1.000
2032	11			32.937	-16.037		1.000
2032	12			32.937	-16.068		1.000
2033	1			32.937	-16.100		1.000
2033	2			32.937	-16.131		1.000
2033	3			32.937	-16.162		1.000
2033	4			32.937	-16.193		1.000
2033	5			32.937	-16.224		1.000
2033	6			32.937	-16.255		1.000
2033	7			32.937	-16.286		1.000
2033	8			32.937	-16.318		1.000
2033	9			32.937	-16.349		1.000
2033	10			32.937	-16.380		1.000
2033	11			32.937	-16.411		1.000
2033	12			32.937	-16.442		1.000
2034	1			32.937	-16.473		1.000
2034	2			32.937	-16.504		1.000
2034	3			32.937	-16.536		1.000
2034	4			32.937	-16.567		1.000

2034	5	32.937	-16.598	1.000
2034	6	32.937	-16.629	1.000
2034	7	32.937	-16.660	1.000
2034	8	32.937	-16.691	1.000
2034	9	32.937	-16.722	1.000
2034	10	32.937	-16.754	1.000
2034	11	32.937	-16.785	1.000
2034	12	32.937	-16.816	1.000
2035	1	32.937	-16.847	1.000
2035	2	32.937	-16.878	1.000
2035	3	32.937	-16.909	1.000
2035	4	32.937	-16.940	1.000
2035	5	32.937	-16.972	1.000
2035	6	32.937	-17.003	1.000
2035	7	32.937	-17.034	1.000
2035	8	32.937	-17.065	1.000
2035	9	32.937	-17.096	1.000
2035	10	32.937	-17.127	1.000
2035	11	32.937	-17.158	1.000
2035	12	32.937	-17.190	1.000
2036	1	32.937	-17.221	1.000
2036	2	32.937	-17.252	1.000
2036	3	32.937	-17.283	1.000
2036	4	32.937	-17.314	1.000
2036	5	32.937	-17.345	1.000
2036	6	32.937	-17.376	1.000
2036	7	32.937	-17.408	1.000
2036	8	32.937	-17.439	1.000
2036	9	32.937	-17.470	1.000
2036	10	32.937	-17.501	1.000
2036	11	32.937	-17.532	1.000
2036	12	32.937	-17.563	1.000
2037	1	32.937	-17.594	1.000
2037	2	32.937	-17.626	1.000
2037	3	32.937	-17.657	1.000
2037	4	32.937	-17.688	1.000
2037	5	32.937	-17.719	1.000
2037	6	32.937	-17.750	1.000
2037	7	32.937	-17.781	1.000
2037	8	32.937	-17.812	1.000
2037	9	32.937	-17.843	1.000
2037	10	32.937	-17.875	1.000
2037	11	32.937	-17.906	1.000
2037	12	32.937	-17.937	1.000
2038	1	32.937	-17.968	1.000
2038	2	32.937	-17.999	1.000
2038	3	32.937	-18.030	1.000

2038	4	32.937	-18.061	1.000
2038	5	32.937	-18.093	1.000
2038	6	32.937	-18.124	1.000
2038	7	32.937	-18.155	1.000
2038	8	32.937	-18.186	1.000
2038	9	32.937	-18.217	1.000
2038	10	32.937	-18.248	1.000
2038	11	32.937	-18.279	1.000
2038	12	32.937	-18.311	1.000

Year	Month	Actual	Pred	Upper	Lower	Sigma
2007	1	119.472	166.902	204.395	129.410	18.896
2007	2	184.178	168.899	206.792	131.005	19.098
2007	3	170.407	163.165	200.521	125.808	18.827
2007	4	67.449	98.600	135.598	61.603	18.646
2007	5	36.413	13.514	50.497	-23.469	18.639
2007	6	11.462	19.144	56.257	-17.969	18.704
2007	7	9.195	-10.960	26.217	-48.136	18.736
2007	8	8.547	7.651	44.832	-29.530	18.739
2007	9	8.525	1.166	38.310	-35.979	18.720
2007	10	9.823	20.992	58.059	-16.074	18.681
2007	11	28.050	56.811	93.774	19.849	18.628
2007	12	111.091	130.579	167.909	93.249	18.814
2008	1	171.425	178.449	216.209	140.689	19.030
2008	2	200.345	184.865	222.601	147.130	19.018
2008	3	176.478	179.631	217.140	142.123	18.903
2008	4	92.752	106.948	144.020	69.876	18.683
2008	5	50.922	43.333	80.317	6.349	18.639
2008	6	16.706	16.699	53.818	-20.421	18.708
2008	7	10.178	-5.989	31.242	-43.221	18.764
2008	8	8.913	4.253	41.493	-32.987	18.768
2008	9	10.659	6.181	43.362	-31.001	18.739
2008	10	12.382	25.043	62.129	-12.043	18.691
2008	11	34.351	60.152	97.145	23.159	18.644
2008	12	116.961	133.973	171.315	96.630	18.820
2009	1	226.757	185.969	223.788	148.150	19.060
2009	2	228.113	212.107	249.774	174.439	18.984
2009	3	167.622	157.407	194.714	120.100	18.802
2009	4	97.460	106.879	143.935	69.823	18.676
2009	5	42.367	37.548	74.586	0.510	18.667
2009	6	18.811	17.479	54.635	-19.677	18.726
2009	7	12.566	-0.730	36.527	-37.987	18.777
2009	8	15.028	5.642	42.915	-31.631	18.785
2009	9	12.242	7.898	45.142	-29.347	18.771
2009	10	18.957	41.373	78.443	4.302	18.683
2009	11	51.594	59.255	96.281	22.229	18.660
2009	12	84.037	114.540	151.686	77.393	18.721
2010	1	201.562	182.327	220.202	144.451	19.088
2010	2	180.482	187.825	225.384	150.267	18.929
2010	3	141.382	143.522	180.849	106.196	18.812
2010	4	68.890	68.067	105.106	31.028	18.667
2010	5	32.690	36.902	74.006	-0.202	18.700
2010	6	21.014	1.801	39.068	-35.466	18.782
2010	7	14.378	6.452	43.803	-30.899	18.824
2010	8	12.705	-2.247	35.117	-39.612	18.831
2010	9	16.139	11.916	49.217	-25.384	18.799
2010	10	17.868	26.525	63.702	-10.652	18.736

2010	11	34.103	57.741	94.805	20.676	18.680
2010	12	131.118	135.633	172.988	98.277	18.826
2011	1	221.694	165.384	202.880	127.887	18.897
2011	2	216.422	218.101	255.712	180.490	18.955
2011	3	171.851	144.791	182.108	107.474	18.807
2011	4	113.955	120.812	157.923	83.701	18.703
2011	5	44.990	50.728	87.825	13.632	18.696
2011	6	17.431	4.644	41.943	-32.656	18.798
2011	7	16.059	4.148	41.545	-33.249	18.848
2011	8	12.127	-0.005	37.426	-37.437	18.865
2011	9	24.194	9.868	47.230	-27.493	18.829
2011	10	30.148	33.016	70.248	-4.215	18.764
2011	11	43.645	64.201	101.302	27.100	18.698
2011	12	85.814	106.699	143.887	69.510	18.742
2012	1	122.183	148.595	186.047	111.144	18.875
2012	2	152.050	126.967	164.288	89.647	18.809
2012	3	117.976	124.705	161.855	87.555	18.723
2012	4	35.059	42.544	79.703	5.385	18.727
2012	5	27.515	28.199	65.414	-9.016	18.756
2012	6	18.490	0.486	37.900	-36.929	18.856
2012	7	7.663	4.295	41.785	-33.194	18.894
2012	8	7.506	-5.091	32.401	-42.582	18.895
2012	9	9.643	7.152	44.600	-30.295	18.873
2012	10	16.274	30.921	68.178	-6.335	18.777
2012	11	44.986	56.931	94.072	19.789	18.719
2012	12	89.842	102.467	139.645	65.289	18.737
2013	1	183.515	184.029	221.767	146.292	19.019
2013	2	203.740	167.221	204.722	129.720	18.900
2013	3	169.938	176.384	213.767	139.000	18.841
2013	4	134.718	127.932	165.202	90.661	18.784
2013	5	82.608	66.882	104.053	29.710	18.734
2013	6	22.414	24.387	61.773	-12.998	18.842
2013	7	12.768	-8.428	29.124	-45.980	18.925
2013	8	11.859	8.622	46.167	-28.923	18.922
2013	9	10.932	-0.778	36.750	-38.305	18.913
2013	10	13.132	27.563	64.931	-9.805	18.833
2013	11	53.548	73.153	110.324	35.982	18.734
2013	12	145.002	140.402	177.809	102.996	18.852
2014	1	272.818	221.724	260.406	183.042	19.495
2014	2	283.842	273.570	312.468	234.671	19.604
2014	3	243.402	226.004	264.685	187.323	19.495
2014	4	140.294	161.292	199.520	123.063	19.266
2014	5	75.090	76.093	114.298	37.889	19.254
2014	6	27.883	36.007	74.479	-2.465	19.389
2014	7	15.501	20.658	59.217	-17.901	19.433
2014	8	15.076	21.608	60.178	-16.963	19.439
2014	9	15.000	29.432	67.933	-9.069	19.404

2014	10	22.415	55.975	94.276	17.675	19.303
2014	11	56.022	92.713	130.888	54.539	19.239
2014	12	178.453	162.723	201.126	124.320	19.354
2015	1	217.314	211.473	249.971	172.975	19.402
2015	2	215.609	203.191	241.674	164.708	19.395
2015	3	241.171	212.990	251.513	174.467	19.415
2015	4	111.586	142.998	181.174	104.821	19.240
2015	5	57.293	51.838	90.116	13.560	19.291
2015	6	15.147	45.796	84.256	7.336	19.383
2015	7	7.647	5.058	43.654	-33.538	19.452
2015	8		26.813	65.417	-11.791	19.456
2015	9		31.789	70.338	-6.760	19.428
2015	10		60.773	99.121	22.425	19.327
2015	11		105.591	143.780	67.402	19.246
2015	12		165.953	204.225	127.681	19.288
2016	1		210.846	249.398	172.293	19.430
2016	2		206.665	245.182	168.148	19.412
2016	3		179.045	217.376	140.714	19.318
2016	4		130.615	168.797	92.433	19.243
2016	5		77.959	116.234	39.683	19.290
2016	6		42.981	81.465	4.497	19.395
2016	7		26.084	64.712	-12.544	19.468
2016	8		24.700	63.343	-13.944	19.476
2016	9		31.416	70.002	-7.171	19.447
2016	10		60.400	98.775	22.024	19.340
2016	11		105.217	143.417	67.017	19.252
2016	12		165.579	203.840	127.319	19.283
2017	1		210.472	248.998	171.946	19.416
2017	2		206.291	244.783	167.800	19.399
2017	3		178.671	216.988	140.355	19.311
2017	4		130.241	168.427	92.056	19.245
2017	5		77.585	115.883	39.287	19.301
2017	6		42.608	81.127	4.088	19.413
2017	7		25.711	64.380	-12.959	19.489
2017	8		24.326	63.012	-14.360	19.497
2017	9		31.042	69.669	-7.585	19.467
2017	10		60.026	98.432	21.620	19.356
2017	11		104.844	143.058	66.629	19.259
2017	12		165.206	203.458	126.953	19.279
2018	1		210.098	248.600	171.596	19.404
2018	2		205.918	244.387	167.448	19.388
2018	3		178.298	216.602	139.994	19.305
2018	4		129.868	168.059	91.676	19.248
2018	5		77.211	115.535	38.887	19.314
2018	6		42.234	80.792	3.676	19.433
2018	7		25.337	64.052	-13.378	19.511
2018	8		23.952	62.684	-14.780	19.520

2018	9	30.668	69.339	-8.002	19.489
2018	10	59.652	98.091	21.213	19.372
2018	11	104.470	142.701	66.239	19.268
2018	12	164.832	203.080	126.584	19.276
2019	1	209.724	248.205	171.243	19.394
2019	2	205.544	243.994	167.094	19.378
2019	3	177.924	216.219	139.629	19.300
2019	4	129.494	167.695	91.293	19.252
2019	5	76.838	115.190	38.485	19.329
2019	6	41.860	80.460	3.260	19.454
2019	7	24.963	63.726	-13.799	19.536
2019	8	23.579	62.359	-15.202	19.545
2019	9	30.294	69.011	-8.422	19.513
2019	10	59.279	97.754	20.803	19.391
2019	11	104.096	142.348	65.845	19.278
2019	12	164.458	202.705	126.212	19.275
2020	1	209.351	247.814	170.888	19.385
2020	2	205.170	243.604	166.736	19.370
2020	3	177.550	215.840	139.261	19.297
2020	4	129.120	167.333	90.907	19.259
2020	5	76.464	114.848	38.079	19.345
2020	6	41.487	80.131	2.842	19.476
2020	7	24.590	63.403	-14.224	19.561
2020	8	23.205	62.037	-15.627	19.571
2020	9	29.921	68.687	-8.845	19.537
2020	10	58.905	97.420	20.390	19.411
2020	11	103.723	141.998	65.448	19.290
2020	12	164.084	202.332	125.837	19.276
2021	1	208.977	247.425	170.529	19.377
2021	2	204.796	250.446	159.147	23.006
2021	3	177.177	222.713	131.640	22.950
2021	4	128.747	174.234	83.259	22.925
2021	5	76.090	121.738	30.442	23.006
2021	6	41.113	86.991	-4.765	23.122
2021	7	24.216	70.242	-21.810	23.196
2021	8	22.831	68.873	-23.211	23.204
2021	9	29.547	75.532	-16.438	23.175
2021	10	58.531	104.295	12.767	23.064
2021	11	103.349	148.898	57.800	22.956
2021	12	163.711	209.218	118.203	22.935
2022	1	208.603	254.266	162.941	23.013
2022	2	204.423	250.064	158.782	23.002
2022	3	176.803	222.340	131.266	22.950
2022	4	128.373	173.876	82.870	22.933
2022	5	75.716	121.396	30.036	23.022
2022	6	40.739	86.660	-5.182	23.143
2022	7	23.842	69.916	-22.231	23.220

2022	8	22.457	68.548	-23.633	23.229
2022	9	29.173	75.205	-16.858	23.199
2022	10	58.157	103.960	12.355	23.084
2022	11	102.975	148.549	57.402	22.968
2022	12	163.337	208.851	117.823	22.938
2023	1	208.230	253.885	162.575	23.009
2023	2	204.049	249.684	158.414	22.999
2023	3	176.429	221.969	130.890	22.951
2023	4	127.999	173.520	82.478	22.942
2023	5	75.343	121.057	29.628	23.039
2023	6	40.365	86.331	-5.600	23.166
2023	7	23.468	69.592	-22.655	23.246
2023	8	22.084	68.225	-24.058	23.254
2023	9	28.800	74.880	-17.281	23.224
2023	10	57.784	103.627	11.941	23.104
2023	11	102.602	148.203	57.001	22.982
2023	12	162.963	208.486	117.441	22.942
2024	1	207.856	253.506	162.206	23.007
2024	2	203.675	249.307	158.044	22.997
2024	3	176.056	221.601	130.511	22.954
2024	4	127.625	173.167	82.084	22.952
2024	5	74.969	120.720	29.218	23.058
2024	6	39.992	86.005	-6.022	23.190
2024	7	23.095	69.272	-23.082	23.272
2024	8	21.710	67.905	-24.485	23.281
2024	9	28.426	74.558	-17.706	23.250
2024	10	57.410	103.296	11.524	23.126
2024	11	102.228	147.859	56.597	22.997
2024	12	162.590	208.124	117.056	22.948
2025	1	207.482	253.130	161.835	23.006
2025	2	203.302	248.932	157.671	22.997
2025	3	175.682	221.235	130.129	22.958
2025	4	127.252	172.816	81.687	22.964
2025	5	74.595	120.386	28.805	23.078
2025	6	39.618	85.682	-6.446	23.215
2025	7	22.721	68.953	-23.511	23.300
2025	8	21.336	67.587	-24.915	23.310
2025	9	28.052	74.239	-18.134	23.277
2025	10	57.036	102.968	11.104	23.149
2025	11	101.854	147.517	56.191	23.013
2025	12	162.216	207.764	116.668	22.955
2026	1	207.109	252.757	161.461	23.006
2026	2	202.928	248.560	157.296	22.998
2026	3	175.308	220.872	129.745	22.963
2026	4	126.878	172.468	81.288	22.977
2026	5	74.222	120.054	28.389	23.099
2026	6	39.244	85.361	-6.872	23.242

2026	7	22.347	68.637	-23.942	23.329
2026	8	20.963	67.272	-25.347	23.339
2026	9	27.679	73.922	-18.564	23.306
2026	10	56.663	102.643	10.683	23.173
2026	11	101.480	147.178	55.783	23.031
2026	12	161.842	207.407	116.278	22.964
2027	1	206.735	252.386	161.084	23.007
2027	2	202.554	248.191	156.918	23.000
2027	3	174.935	220.511	129.358	22.970
2027	4	126.504	172.123	80.886	22.991
2027	5	73.848	119.725	27.971	23.121
2027	6	38.871	85.042	-7.301	23.269
2027	7	21.974	68.324	-24.376	23.359
2027	8	20.589	66.959	-25.781	23.370
2027	9	27.305	73.607	-18.997	23.335
2027	10	56.289	102.320	10.258	23.199
2027	11	101.107	146.842	55.372	23.050
2027	12	161.469	207.052	115.885	22.973
2028	1	206.361	252.017	160.705	23.010
2028	2	202.181	247.824	156.537	23.003
2028	3	174.561	220.153	128.969	22.977
2028	4	126.131	171.780	80.482	23.006
2028	5	73.474	119.398	27.550	23.145
2028	6	38.497	84.726	-7.732	23.298
2028	7	21.600	68.013	-24.813	23.391
2028	8	20.215	66.649	-26.218	23.401
2028	9	26.931	73.295	-19.432	23.366
2028	10	55.915	101.999	9.831	23.225
2028	11	100.733	146.508	54.958	23.070
2028	12	161.095	206.700	115.490	22.984
2029	1	205.988	251.652	160.324	23.014
2029	2	201.807	247.460	156.154	23.008
2029	3	174.187	219.797	128.577	22.987
2029	4	125.757	171.440	80.075	23.023
2029	5	73.101	119.074	27.127	23.170
2029	6	38.123	84.412	-8.165	23.329
2029	7	21.226	67.704	-25.251	23.424
2029	8	19.842	66.341	-26.657	23.435
2029	9	26.558	72.985	-19.870	23.398
2029	10	55.542	101.681	9.402	23.253
2029	11	100.359	146.177	54.542	23.091
2029	12	160.721	206.350	115.092	22.996
2030	1	205.614	251.288	159.940	23.019
2030	2	201.433	247.098	155.769	23.014
2030	3	173.814	219.444	128.183	22.997
2030	4	125.383	171.102	79.665	23.041
2030	5	72.727	118.752	26.702	23.196

2030	6	37.750	84.101	-8.601	23.360
2030	7	20.853	67.398	-25.692	23.458
2030	8	19.468	66.035	-27.099	23.469
2030	9	26.184	72.678	-20.310	23.432
2030	10	55.168	101.366	8.970	23.283
2030	11	99.986	145.848	54.123	23.114
2030	12	160.348	206.003	114.692	23.010
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Year	Month	LCISales	HDD65	TrendVar	Aft2014	XMissing	YMissing
2007	1	2,035,809.00	1,360.67	17.08	0.00	0	0
2007	2	2,719,581.00	1,626.81	17.17	0.00	0	0
2007	3	2,500,345.00	1,251.21	17.25	0.00	0	0
2007	4	1,454,732.00	786.88	17.33	0.00	0	0
2007	5	927,973.00	321.56	17.42	0.00	0	0
2007	6	482,369.00	80.87	17.50	0.00	0	0
2007	7	409,082.00	6.06	17.58	0.00	0	0
2007	8	385,324.00	5.59	17.67	0.00	0	0
2007	9	402,309.00	56.51	17.75	0.00	0	0
2007	10	467,210.00	178.34	17.83	0.00	0	0
2007	11	830,771.00	557.59	17.92	0.00	0	0
2007	12	1,960,929.00	1,229.87	18.00	0.00	0	0
2008	1	2,641,537.00	1,557.08	18.08	0.00	0	0
2008	2	2,925,777.00	1,541.95	18.17	0.00	0	0
2008	3	2,656,274.00	1,382.38	18.25	0.00	0	0
2008	4	1,711,896.00	910.20	18.33	0.00	0	0
2008	5	1,052,487.00	469.19	18.42	0.00	0	0
2008	6	606,895.00	145.37	18.50	0.00	0	0
2008	7	426,737.00	7.46	18.58	0.00	0	0
2008	8	391,902.00	2.88	18.67	0.00	0	0
2008	9	412,802.00	78.97	18.75	0.00	0	0
2008	10	515,988.00	228.28	18.83	0.00	0	0
2008	11	873,228.00	594.63	18.92	0.00	0	0
2008	12	1,920,295.00	1,243.84	19.00	0.00	0	0
2009	1	3,032,694.00	1,606.00	19.08	0.00	0	0
2009	2	2,845,024.00	1,506.56	19.17	0.00	0	0
2009	3	2,161,162.00	1,208.03	19.25	0.00	0	0
2009	4	1,613,953.00	842.07	19.33	0.00	0	0
2009	5	925,092.00	401.50	19.42	0.00	0	0
2009	6	544,298.00	169.04	19.50	0.00	0	0
2009	7	435,109.00	44.70	19.58	0.00	0	0
2009	8	419,794.00	31.87	19.67	0.00	0	0
2009	9	401,078.00	70.45	19.75	0.00	0	0
2009	10	538,065.00	360.14	19.83	0.00	0	0
2009	11	1,033,625.00	641.97	19.92	0.00	0	0
2009	12	1,484,561.00	998.49	20.00	0.00	0	0
2010	1	2,726,599.00	1,651.50	20.08	0.00	0	0
2010	2	2,621,850.00	1,432.54	20.17	0.00	0	0
2010	3	2,207,909.00	1,225.12	20.25	0.00	0	0
2010	4	1,211,604.00	605.43	20.33	0.00	0	0
2010	5	744,596.00	345.33	20.42	0.00	0	0
2010	6	517,274.00	96.52	20.50	0.00	0	0
2010	7	417,107.00	9.70	20.58	0.00	0	0
2010	8	357,126.00	1.18	20.67	0.00	0	0
2010	9	373,951.00	75.58	20.75	0.00	0	0
2010	10	482,761.00	247.13	20.83	0.00	0	0

2010	11	712,486.00	560.43	20.92	0.00	0	0
2010	12	1,866,744.00	1,251.33	21.00	0.00	0	0
2011	1	2,812,056.00	1,384.30	21.08	0.00	0	0
2011	2	2,720,536.00	1,477.61	21.17	0.00	0	0
2011	3	2,251,950.00	1,208.13	21.25	0.00	0	0
2011	4	1,622,837.00	868.48	21.33	0.00	0	0
2011	5	1,087,497.00	497.34	21.42	0.00	0	0
2011	6	606,896.00	129.82	21.50	0.00	0	0
2011	7	444,129.00	28.44	21.58	0.00	0	0
2011	8	605,855.00	0.70	21.67	0.00	0	0
2011	9	409,292.00	77.30	21.75	0.00	0	0
2011	10	516,548.00	247.74	21.83	0.00	0	0
2011	11	794,451.00	583.56	21.92	0.00	0	0
2011	12	1,765,738.00	1,010.81	22.00	0.00	0	0
2012	1	2,132,358.00	1,341.77	22.08	0.00	0	0
2012	2	2,479,336.00	1,201.35	22.17	0.00	0	0
2012	3	2,044,808.00	912.17	22.25	0.00	0	0
2012	4	1,003,941.00	435.09	22.33	0.00	0	0
2012	5	871,433.00	326.69	22.42	0.00	0	0
2012	6	508,859.00	73.44	22.50	0.00	0	0
2012	7	422,705.00	5.01	22.58	0.00	0	0
2012	8	381,293.00	8.77	22.67	0.00	0	0
2012	9	399,869.00	56.46	22.75	0.00	0	0
2012	10	561,505.00	296.66	22.83	0.00	0	0
2012	11	1,055,057.00	591.54	22.92	0.00	0	0
2012	12	1,557,510.00	935.09	23.00	0.00	0	0
2013	1	2,656,205.00	1,579.36	23.08	0.00	0	0
2013	2	2,789,395.00	1,383.74	23.17	0.00	0	0
2013	3	2,552,175.00	1,260.56	23.25	0.00	0	0
2013	4	2,095,178.00	1,107.01	23.33	0.00	0	0
2013	5	1,537,184.00	558.07	23.42	0.00	0	0
2013	6	668,318.00	177.49	23.50	0.00	0	0
2013	7	461,390.00	13.43	23.58	0.00	0	0
2013	8	458,715.00	25.32	23.67	0.00	0	0
2013	9	413,715.00	46.50	23.75	0.00	0	0
2013	10	466,023.00	224.59	23.83	0.00	0	0
2013	11	1,134,349.00	720.72	23.92	0.00	0	0
2013	12	1,988,828.00	1,276.31	24.00	0.00	0	0
2014	1	3,453,758.00	1,528.79	24.08	1.00	0	0
2014	2	3,453,287.00	1,690.86	24.17	1.00	0	0
2014	3	3,177,539.00	1,532.96	24.25	1.00	0	0
2014	4	2,056,101.00	987.48	24.33	1.00	0	0
2014	5	1,261,949.00	521.29	24.42	1.00	0	0
2014	6	704,013.00	101.29	24.50	1.00	0	0
2014	7	490,174.00	18.57	24.58	1.00	0	0
2014	8	494,695.00	10.63	24.67	1.00	0	0
2014	9	454,032.00	79.56	24.75	1.00	0	0

2014	10	603,187.00	329.90	24.83	1.00	0	0
2014	11	1,049,855.00	719.53	24.92	1.00	0	0
2014	12	2,378,670.00	1,286.02	25.00	1.00	0	0
2015	1	2,792,696.00	1,392.51	25.08	1.00	0	0
2015	2	2,720,314.00	1,379.90	25.17	1.00	0	0
2015	3	2,932,033.00	1,422.39	25.25	1.00	0	0
2015	4	1,756,959.00	789.88	25.33	1.00	0	0
2015	5	1,104,315.00	388.70	25.42	1.00	0	0
2015	6	688,779.00	147.02	25.50	1.00	0	0
2015	7	486,799.00	17.85	25.58	1.00	0	0
2015	8		13.57	25.67	1.00	0	1
2015	9		66.55	25.75	1.00	0	1
2015	10		294.38	25.83	1.00	0	1
2015	11		646.54	25.92	1.00	0	1
2015	12		1,120.75	26.00	1.00	0	1
2016	1		1,473.50	26.08	1.00	0	1
2016	2		1,440.92	26.17	1.00	0	1
2016	3		1,224.29	26.25	1.00	0	1
2016	4		844.25	26.33	1.00	0	1
2016	5		431.03	26.42	1.00	0	1
2016	6		156.63	26.50	1.00	0	1
2016	7		24.19	26.58	1.00	0	1
2016	8		13.57	26.67	1.00	0	1
2016	9		66.55	26.75	1.00	0	1
2016	10		294.38	26.83	1.00	0	1
2016	11		646.54	26.92	1.00	0	1
2016	12		1,120.75	27.00	1.00	0	1
2017	1		1,473.50	27.08	1.00	0	1
2017	2		1,440.92	27.17	1.00	0	1
2017	3		1,224.29	27.25	1.00	0	1
2017	4		844.25	27.33	1.00	0	1
2017	5		431.03	27.42	1.00	0	1
2017	6		156.63	27.50	1.00	0	1
2017	7		24.19	27.58	1.00	0	1
2017	8		13.57	27.67	1.00	0	1
2017	9		66.55	27.75	1.00	0	1
2017	10		294.38	27.83	1.00	0	1
2017	11		646.54	27.92	1.00	0	1
2017	12		1,120.75	28.00	1.00	0	1
2018	1		1,473.50	28.08	1.00	0	1
2018	2		1,440.92	28.17	1.00	0	1
2018	3		1,224.29	28.25	1.00	0	1
2018	4		844.25	28.33	1.00	0	1
2018	5		431.03	28.42	1.00	0	1
2018	6		156.63	28.50	1.00	0	1
2018	7		24.19	28.58	1.00	0	1
2018	8		13.57	28.67	1.00	0	1

2018	9	66.55	28.75	1.00	0	1
2018	10	294.38	28.83	1.00	0	1
2018	11	646.54	28.92	1.00	0	1
2018	12	1,120.75	29.00	1.00	0	1
2019	1	1,473.50	29.08	1.00	0	1
2019	2	1,440.92	29.17	1.00	0	1
2019	3	1,224.29	29.25	1.00	0	1
2019	4	844.25	29.33	1.00	0	1
2019	5	431.03	29.42	1.00	0	1
2019	6	156.63	29.50	1.00	0	1
2019	7	24.19	29.58	1.00	0	1
2019	8	13.57	29.67	1.00	0	1
2019	9	66.55	29.75	1.00	0	1
2019	10	294.38	29.83	1.00	0	1
2019	11	646.54	29.92	1.00	0	1
2019	12	1,120.75	30.00	1.00	0	1
2020	1	1,473.50	30.08	1.00	0	1
2020	2	1,440.92	30.17	1.00	0	1
2020	3	1,224.29	30.25	1.00	0	1
2020	4	844.25	30.33	1.00	0	1
2020	5	431.03	30.42	1.00	0	1
2020	6	156.63	30.50	1.00	0	1
2020	7	24.19	30.58	1.00	0	1
2020	8	13.57	30.67	1.00	0	1
2020	9	66.55	30.75	1.00	0	1
2020	10	294.38	30.83	1.00	0	1
2020	11	646.54	30.92	1.00	0	1
2020	12	1,120.75	31.00	1.00	0	1
2021	1	1,473.50	31.08	1.00	0	1
2021	2	1,440.92	31.17	1.00	0	1
2021	3	1,224.29	31.25	1.00	0	1
2021	4	844.25	31.33	1.00	0	1
2021	5	431.03	31.42	1.00	0	1
2021	6	156.63	31.50	1.00	0	1
2021	7	24.19	31.58	1.00	0	1
2021	8	13.57	31.67	1.00	0	1
2021	9	66.55	31.75	1.00	0	1
2021	10	294.38	31.83	1.00	0	1
2021	11	646.54	31.92	1.00	0	1
2021	12	1,120.75	32.00	1.00	0	1
2022	1	1,473.50	32.08	1.00	0	1
2022	2	1,440.92	32.17	1.00	0	1
2022	3	1,224.29	32.25	1.00	0	1
2022	4	844.25	32.33	1.00	0	1
2022	5	431.03	32.42	1.00	0	1
2022	6	156.63	32.50	1.00	0	1
2022	7	24.19	32.58	1.00	0	1

2022	8	13.57	32.67	1.00	0	1
2022	9	66.55	32.75	1.00	0	1
2022	10	294.38	32.83	1.00	0	1
2022	11	646.54	32.92	1.00	0	1
2022	12	1,120.75	33.00	1.00	0	1
2023	1	1,473.50	33.08	1.00	0	1
2023	2	1,440.92	33.17	1.00	0	1
2023	3	1,224.29	33.25	1.00	0	1
2023	4	844.25	33.33	1.00	0	1
2023	5	431.03	33.42	1.00	0	1
2023	6	156.63	33.50	1.00	0	1
2023	7	24.19	33.58	1.00	0	1
2023	8	13.57	33.67	1.00	0	1
2023	9	66.55	33.75	1.00	0	1
2023	10	294.38	33.83	1.00	0	1
2023	11	646.54	33.92	1.00	0	1
2023	12	1,120.75	34.00	1.00	0	1
2024	1	1,473.50	34.08	1.00	0	1
2024	2	1,440.92	34.17	1.00	0	1
2024	3	1,224.29	34.25	1.00	0	1
2024	4	844.25	34.33	1.00	0	1
2024	5	431.03	34.42	1.00	0	1
2024	6	156.63	34.50	1.00	0	1
2024	7	24.19	34.58	1.00	0	1
2024	8	13.57	34.67	1.00	0	1
2024	9	66.55	34.75	1.00	0	1
2024	10	294.38	34.83	1.00	0	1
2024	11	646.54	34.92	1.00	0	1
2024	12	1,120.75	35.00	1.00	0	1
2025	1	1,473.50	35.08	1.00	0	1
2025	2	1,440.92	35.17	1.00	0	1
2025	3	1,224.29	35.25	1.00	0	1
2025	4	844.25	35.33	1.00	0	1
2025	5	431.03	35.42	1.00	0	1
2025	6	156.63	35.50	1.00	0	1
2025	7	24.19	35.58	1.00	0	1
2025	8	13.57	35.67	1.00	0	1
2025	9	66.55	35.75	1.00	0	1
2025	10	294.38	35.83	1.00	0	1
2025	11	646.54	35.92	1.00	0	1
2025	12	1,120.75	36.00	1.00	0	1
2026	1	1,473.50	36.08	1.00	0	1
2026	2	1,440.92	36.17	1.00	0	1
2026	3	1,224.29	36.25	1.00	0	1
2026	4	844.25	36.33	1.00	0	1
2026	5	431.03	36.42	1.00	0	1
2026	6	156.63	36.50	1.00	0	1

2026	7	24.19	36.58	1.00	0	1
2026	8	13.57	36.67	1.00	0	1
2026	9	66.55	36.75	1.00	0	1
2026	10	294.38	36.83	1.00	0	1
2026	11	646.54	36.92	1.00	0	1
2026	12	1,120.75	37.00	1.00	0	1
2027	1	1,473.50	37.08	1.00	0	1
2027	2	1,440.92	37.17	1.00	0	1
2027	3	1,224.29	37.25	1.00	0	1
2027	4	844.25	37.33	1.00	0	1
2027	5	431.03	37.42	1.00	0	1
2027	6	156.63	37.50	1.00	0	1
2027	7	24.19	37.58	1.00	0	1
2027	8	13.57	37.67	1.00	0	1
2027	9	66.55	37.75	1.00	0	1
2027	10	294.38	37.83	1.00	0	1
2027	11	646.54	37.92	1.00	0	1
2027	12	1,120.75	38.00	1.00	0	1
2028	1	1,473.50	38.08	1.00	0	1
2028	2	1,440.92	38.17	1.00	0	1
2028	3	1,224.29	38.25	1.00	0	1
2028	4	844.25	38.33	1.00	0	1
2028	5	431.03	38.42	1.00	0	1
2028	6	156.63	38.50	1.00	0	1
2028	7	24.19	38.58	1.00	0	1
2028	8	13.57	38.67	1.00	0	1
2028	9	66.55	38.75	1.00	0	1
2028	10	294.38	38.83	1.00	0	1
2028	11	646.54	38.92	1.00	0	1
2028	12	1,120.75	39.00	1.00	0	1
2029	1	1,473.50	39.08	1.00	0	1
2029	2	1,440.92	39.17	1.00	0	1
2029	3	1,224.29	39.25	1.00	0	1
2029	4	844.25	39.33	1.00	0	1
2029	5	431.03	39.42	1.00	0	1
2029	6	156.63	39.50	1.00	0	1
2029	7	24.19	39.58	1.00	0	1
2029	8	13.57	39.67	1.00	0	1
2029	9	66.55	39.75	1.00	0	1
2029	10	294.38	39.83	1.00	0	1
2029	11	646.54	39.92	1.00	0	1
2029	12	1,120.75	40.00	1.00	0	1
2030	1	1,473.50	40.08	1.00	0	1
2030	2	1,440.92	40.17	1.00	0	1
2030	3	1,224.29	40.25	1.00	0	1
2030	4	844.25	40.33	1.00	0	1
2030	5	431.03	40.42	1.00	0	1

2030	6	156.63	40.50	1.00	0	1
2030	7	24.19	40.58	1.00	0	1
2030	8	13.57	40.67	1.00	0	1
2030	9	66.55	40.75	1.00	0	1
2030	10	294.38	40.83	1.00	0	1
2030	11	646.54	40.92	1.00	0	1
2030	12	1,120.75	41.00	1.00	0	1
2031	1		41.08	1.00	1	1
2031	2		41.17	1.00	1	1
2031	3		41.25	1.00	1	1
2031	4		41.33	1.00	1	1
2031	5		41.42	1.00	1	1
2031	6		41.50	1.00	1	1
2031	7		41.58	1.00	1	1
2031	8		41.67	1.00	1	1
2031	9		41.75	1.00	1	1
2031	10		41.83	1.00	1	1
2031	11		41.92	1.00	1	1
2031	12		42.00	1.00	1	1
2032	1		42.08	1.00	1	1
2032	2		42.17	1.00	1	1
2032	3		42.25	1.00	1	1
2032	4		42.33	1.00	1	1
2032	5		42.42	1.00	1	1
2032	6		42.50	1.00	1	1
2032	7		42.58	1.00	1	1
2032	8		42.67	1.00	1	1
2032	9		42.75	1.00	1	1
2032	10		42.83	1.00	1	1
2032	11		42.92	1.00	1	1
2032	12		43.00	1.00	1	1
2033	1		43.08	1.00	1	1
2033	2		43.17	1.00	1	1
2033	3		43.25	1.00	1	1
2033	4		43.33	1.00	1	1
2033	5		43.42	1.00	1	1
2033	6		43.50	1.00	1	1
2033	7		43.58	1.00	1	1
2033	8		43.67	1.00	1	1
2033	9		43.75	1.00	1	1
2033	10		43.83	1.00	1	1
2033	11		43.92	1.00	1	1
2033	12		44.00	1.00	1	1
2034	1		44.08	1.00	1	1
2034	2		44.17	1.00	1	1
2034	3		44.25	1.00	1	1
2034	4		44.33	1.00	1	1

2034	5	44.42	1.00	1	1
2034	6	44.50	1.00	1	1
2034	7	44.58	1.00	1	1
2034	8	44.67	1.00	1	1
2034	9	44.75	1.00	1	1
2034	10	44.83	1.00	1	1
2034	11	44.92	1.00	1	1
2034	12	45.00	1.00	1	1
2035	1	45.08	1.00	1	1
2035	2	45.17	1.00	1	1
2035	3	45.25	1.00	1	1
2035	4	45.33	1.00	1	1
2035	5	45.42	1.00	1	1
2035	6	45.50	1.00	1	1
2035	7	45.58	1.00	1	1
2035	8	45.67	1.00	1	1
2035	9	45.75	1.00	1	1
2035	10	45.83	1.00	1	1
2035	11	45.92	1.00	1	1
2035	12	46.00	1.00	1	1
2036	1	46.08	1.00	1	1
2036	2	46.17	1.00	1	1
2036	3	46.25	1.00	1	1
2036	4	46.33	1.00	1	1
2036	5	46.42	1.00	1	1
2036	6	46.50	1.00	1	1
2036	7	46.58	1.00	1	1
2036	8	46.67	1.00	1	1
2036	9	46.75	1.00	1	1
2036	10	46.83	1.00	1	1
2036	11	46.92	1.00	1	1
2036	12	47.00	1.00	1	1
2037	1	47.08	1.00	1	1
2037	2	47.17	1.00	1	1
2037	3	47.25	1.00	1	1
2037	4	47.33	1.00	1	1
2037	5	47.42	1.00	1	1
2037	6	47.50	1.00	1	1
2037	7	47.58	1.00	1	1
2037	8	47.67	1.00	1	1
2037	9	47.75	1.00	1	1
2037	10	47.83	1.00	1	1
2037	11	47.92	1.00	1	1
2037	12	48.00	1.00	1	1
2038	1	48.08	1.00	1	1
2038	2	48.17	1.00	1	1
2038	3	48.25	1.00	1	1

2038	4	48.33	1.00	1	1
2038	5	48.42	1.00	1	1
2038	6	48.50	1.00	1	1
2038	7	48.58	1.00	1	1
2038	8	48.67	1.00	1	1
2038	9	48.75	1.00	1	1
2038	10	48.83	1.00	1	1
2038	11	48.92	1.00	1	1
2038	12	49.00	1.00	1	1

Variable	Count	Mean	StdDev	Min	Max	Skewness	Kurtosis	Jarque-Bera	Probability	CorrYX	Units	Definition
LCISales	103	1,346,833.039	937,331.886	357,126.000	3,453,758.000	0.606	1.938	11.1	3.80E-03	1.000		
HDD65	103	654.595	568.430	0.696	1,690.855	0.352	1.598	10.6	5.09E-03	0.972		
TrendVar	103	21.333	2.490	17.083	25.583	-0.000	1.800	6.2	4.54E-02	0.059		
Aft2014	103	0.184	0.390	0.000	1.000	1.627	3.647	47.2	5.51E-11	0.174		

	LCISales	HDD65	TrendVar	Aft2014
LCISales	1.000	0.972	0.059	0.174
HDD65	0.972	1.000	-0.029	0.023
TrendVar	0.059	-0.029	1.000	0.866
Aft2014	0.174	0.023	0.866	1.000

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
mWthrRev.HDD65	1586.582	34.541	45.933	0.00%		
mBin.TrendVar	12454.735	1523.365	8.176	0.00%		
mBin.Aft2014	209318.733	54106.248	3.869	0.02%		
MA(1)	0.455	0.070	6.484	0.00%		

Model Statistics	
Iterations	13
Adjusted Observations	103
Deg. of Freedom for Error	99
R-Squared	0.962
Adjusted R-Squared	0.961
AIC	24.296
BIC	24.398
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-1,393.39
Model Sum of Squares	86,222,202,322,030.70
Sum of Squared Errors	3,394,086,185,255.17
Mean Squared Error	34,283,698,840.96
Std. Error of Regression	185,158.58
Mean Abs. Dev. (MAD)	133,923.90
Mean Abs. % Err. (MAPE)	14.22%
Durbin-Watson Statistic	1.846
Durbin-H Statistic	#NA
Ljung-Box Statistic	86.19
Prob (Ljung-Box)	0.0000
Skewness	0.287
Kurtosis	4.024
Jarque-Bera	5.921
Prob (Jarque-Bera)	0.0518

Forecast Statistics	
Forecast Observations	0
Mean Abs. Dev. (MAD)	0.00
Mean Abs. % Err. (MAPE)	0.00%
Avg. Forecast Error	0.00
Mean % Error	0.00%
Root Mean-Square Error	0.00
Theil's Inequality Coefficient	0.0000
-- Bias Proportion	0.00%
-- Variance Proportion	0.00%
-- Covariance Proportion	0.00%

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2007	1	2,035,809.000	2,371,583.958	-335,774.958	-16.49%	-1.813
2007	2	2,719,581.000	2,642,047.492	77,533.508	2.85%	0.419
2007	3	2,500,345.000	2,235,272.805	265,072.195	10.60%	1.432
2007	4	1,454,732.000	1,584,973.845	-130,241.845	-8.95%	-0.703
2007	5	927,973.000	667,817.512	260,155.488	28.03%	1.405
2007	6	482,369.000	464,665.577	17,703.423	3.67%	0.096
2007	7	409,082.000	236,671.881	172,410.119	42.15%	0.931
2007	8	385,324.000	307,378.652	77,945.348	20.23%	0.421
2007	9	402,309.000	346,208.990	56,100.010	13.94%	0.303
2007	10	467,210.000	530,592.916	-63,382.916	-13.57%	-0.342
2007	11	830,771.000	1,078,954.362	-248,183.362	-29.87%	-1.340
2007	12	1,960,929.000	2,062,522.024	-101,593.024	-5.18%	-0.549
2008	1	2,641,537.000	2,649,421.241	-7,884.241	-0.30%	-0.043
2008	2	2,925,777.000	2,669,109.021	256,667.979	8.77%	1.386
2008	3	2,656,274.000	2,537,382.838	118,891.162	4.48%	0.642
2008	4	1,711,896.000	1,726,562.534	-14,666.534	-0.86%	-0.079
2008	5	1,052,487.000	967,103.784	85,383.216	8.11%	0.461
2008	6	606,895.000	499,909.685	106,985.315	17.63%	0.578
2008	7	426,737.000	291,979.928	134,757.072	31.58%	0.728
2008	8	391,902.000	298,385.916	93,516.084	23.86%	0.505
2008	9	412,802.000	401,375.900	11,426.100	2.77%	0.062
2008	10	515,988.000	601,944.875	-85,956.875	-16.66%	-0.464
2008	11	873,228.000	1,139,901.204	-266,673.204	-30.54%	-1.440
2008	12	1,920,295.000	2,088,717.321	-168,422.321	-8.77%	-0.910
2009	1	3,032,694.000	2,709,066.545	323,627.455	10.67%	1.748
2009	2	2,845,024.000	2,776,288.278	68,735.722	2.42%	0.371
2009	3	2,161,162.000	2,187,678.999	-26,516.999	-1.23%	-0.143
2009	4	1,613,953.000	1,564,739.688	49,213.312	3.05%	0.266
2009	5	925,092.000	901,234.172	23,857.828	2.58%	0.129
2009	6	544,298.000	521,921.021	22,376.979	4.11%	0.121
2009	7	435,109.000	325,006.704	110,102.296	25.30%	0.595
2009	8	419,794.000	345,613.720	74,180.280	17.67%	0.401
2009	9	401,078.000	391,517.826	9,560.174	2.38%	0.052
2009	10	538,065.000	822,767.612	-284,702.612	-52.91%	-1.538
2009	11	1,033,625.000	1,137,020.943	-103,395.943	-10.00%	-0.558
2009	12	1,484,561.000	1,786,214.268	-301,653.268	-20.32%	-1.629
2010	1	2,726,599.000	2,733,082.467	-6,483.467	-0.24%	-0.035
2010	2	2,621,850.000	2,521,054.238	100,795.762	3.84%	0.544
2010	3	2,207,909.000	2,241,834.979	-33,925.979	-1.54%	-0.183
2010	4	1,211,604.000	1,198,364.648	13,239.352	1.09%	0.072
2010	5	744,596.000	808,196.242	-63,600.242	-8.54%	-0.343
2010	6	517,274.000	379,510.207	137,763.793	26.63%	0.744
2010	7	417,107.000	334,457.686	82,649.314	19.81%	0.446
2010	8	357,126.000	296,888.692	60,237.308	16.87%	0.325
2010	9	373,951.000	405,757.845	-31,806.845	-8.51%	-0.172
2010	10	482,761.000	637,091.154	-154,330.154	-31.97%	-0.834

2010	11	712,486.000	1,079,440.354	-366,954.354	-51.50%	-1.982
2010	12	1,866,744.000	2,079,871.372	-213,127.372	-11.42%	-1.151
2011	1	2,812,056.000	2,361,887.260	450,168.740	16.01%	2.431
2011	2	2,720,536.000	2,812,859.700	-92,323.700	-3.39%	-0.499
2011	3	2,251,950.000	2,139,447.498	112,502.502	5.00%	0.608
2011	4	1,622,837.000	1,694,813.445	-71,976.445	-4.44%	-0.389
2011	5	1,087,497.000	1,023,049.770	64,447.230	5.93%	0.348
2011	6	606,896.000	503,080.435	103,815.565	17.11%	0.561
2011	7	444,129.000	361,186.631	82,942.369	18.68%	0.448
2011	8	605,855.000	308,706.654	297,148.346	49.05%	1.605
2011	9	409,292.000	528,779.481	-119,487.481	-29.19%	-0.645
2011	10	516,548.000	610,607.752	-94,059.752	-18.21%	-0.508
2011	11	794,451.000	1,156,019.328	-361,568.328	-45.51%	-1.953
2011	12	1,765,738.000	1,713,171.508	52,566.492	2.98%	0.284
2012	1	2,132,358.000	2,427,796.142	-295,438.142	-13.85%	-1.596
2012	2	2,479,336.000	2,047,655.464	431,680.536	17.41%	2.331
2012	3	2,044,808.000	1,920,820.964	123,987.036	6.06%	0.670
2012	4	1,003,941.000	1,024,895.665	-20,954.665	-2.09%	-0.113
2012	5	871,433.000	787,972.866	83,460.134	9.58%	0.451
2012	6	508,859.000	434,741.773	74,117.227	14.57%	0.400
2012	7	422,705.000	322,952.294	99,752.706	23.60%	0.539
2012	8	381,293.000	341,624.027	39,668.973	10.40%	0.214
2012	9	399,869.000	390,979.076	8,889.924	2.22%	0.048
2012	10	561,505.000	759,101.957	-197,596.957	-35.19%	-1.067
2012	11	1,055,057.000	1,134,020.071	-78,963.071	-7.48%	-0.426
2012	12	1,557,510.000	1,734,116.080	-176,606.080	-11.34%	-0.954
2013	1	2,656,205.000	2,712,905.859	-56,700.859	-2.13%	-0.306
2013	2	2,789,395.000	2,458,137.511	331,257.489	11.88%	1.789
2013	3	2,552,175.000	2,440,318.698	111,856.302	4.38%	0.604
2013	4	2,095,178.000	2,097,886.060	-2,708.060	-0.13%	-0.015
2013	5	1,537,184.000	1,175,845.895	361,338.105	23.51%	1.952
2013	6	668,318.000	738,738.729	-70,420.729	-10.54%	-0.380
2013	7	461,390.000	282,982.548	178,407.452	38.67%	0.964
2013	8	458,715.000	416,139.528	42,575.472	9.28%	0.230
2013	9	413,715.000	388,960.788	24,754.212	5.98%	0.134
2013	10	466,023.000	664,434.797	-198,411.797	-42.58%	-1.072
2013	11	1,134,349.000	1,351,047.076	-216,698.076	-19.10%	-1.170
2013	12	1,988,828.000	2,225,250.408	-236,422.408	-11.89%	-1.277
2014	1	3,453,758.000	2,827,211.538	626,546.462	18.14%	3.384
2014	2	3,453,287.000	3,478,151.767	-24,864.767	-0.72%	-0.134
2014	3	3,177,539.000	2,932,189.285	245,349.715	7.72%	1.325
2014	4	2,056,101.000	2,190,770.024	-134,669.024	-6.55%	-0.727
2014	5	1,261,949.000	1,279,195.181	-17,246.181	-1.37%	-0.093
2014	6	704,013.000	667,311.295	36,701.705	5.21%	0.198
2014	7	490,174.000	561,671.082	-71,497.082	-14.59%	-0.386
2014	8	494,695.000	500,855.248	-6,160.248	-1.25%	-0.033
2014	9	454,032.000	641,002.096	-186,970.096	-41.18%	-1.010

2014	10	603,187.000	956,931.805	-353,744.805	-58.65%	-1.910
2014	11	1,049,855.000	1,500,242.008	-450,387.008	-42.90%	-2.432
2014	12	2,378,670.000	2,356,077.273	22,592.727	0.95%	0.122
2015	1	2,792,696.000	2,741,345.919	51,350.081	1.84%	0.277
2015	2	2,720,314.000	2,735,456.005	-15,142.005	-0.56%	-0.082
2015	3	2,932,033.000	2,773,644.024	158,388.976	5.40%	0.855
2015	4	1,756,959.000	1,850,138.029	-93,179.029	-5.30%	-0.503
2015	5	1,104,315.000	1,100,175.767	4,139.233	0.37%	0.022
2015	6	688,779.000	762,055.273	-73,276.273	-10.64%	-0.396
2015	7	486,799.000	522,919.022	-36,120.022	-7.42%	-0.195
2015	8		534,074.287			
2015	9		635,607.630			
2015	10		998,119.604			
2015	11		1,557,889.543			
2015	12		2,311,309.749			
2016	1		2,872,012.021			
2016	2		2,821,355.037			
2016	3		2,478,691.638			
2016	4		1,876,769.182			
2016	5		1,222,196.879			
2016	6		787,871.609			
2016	7		578,793.310			
2016	8		562,968.545			
2016	9		648,062.365			
2016	10		1,010,574.340			
2016	11		1,570,344.278			
2016	12		2,323,764.484			
2017	1		2,884,466.756			
2017	2		2,833,809.772			
2017	3		2,491,146.374			
2017	4		1,889,223.917			
2017	5		1,234,651.615			
2017	6		800,326.344			
2017	7		591,248.045			
2017	8		575,423.280			
2017	9		660,517.100			
2017	10		1,023,029.075			
2017	11		1,582,799.014			
2017	12		2,336,219.219			
2018	1		2,896,921.492			
2018	2		2,846,264.508			
2018	3		2,503,601.109			
2018	4		1,901,678.653			
2018	5		1,247,106.350			
2018	6		812,781.079			
2018	7		603,702.780			
2018	8		587,878.015			

2018	9	672,971.836
2018	10	1,035,483.811
2018	11	1,595,253.749
2018	12	2,348,673.955
2019	1	2,909,376.227
2019	2	2,858,719.243
2019	3	2,516,055.844
2019	4	1,914,133.388
2019	5	1,259,561.086
2019	6	825,235.815
2019	7	616,157.516
2019	8	600,332.751
2019	9	685,426.571
2019	10	1,047,938.546
2019	11	1,607,708.485
2019	12	2,361,128.690
2020	1	2,921,830.962
2020	2	2,871,173.979
2020	3	2,528,510.580
2020	4	1,926,588.123
2020	5	1,272,015.821
2020	6	837,690.550
2020	7	628,612.251
2020	8	612,787.486
2020	9	697,881.307
2020	10	1,060,393.281
2020	11	1,620,163.220
2020	12	2,373,583.426
2021	1	2,934,285.698
2021	2	2,883,628.714
2021	3	2,540,965.315
2021	4	1,939,042.859
2021	5	1,284,470.556
2021	6	850,145.286
2021	7	641,066.987
2021	8	625,242.221
2021	9	710,336.042
2021	10	1,072,848.017
2021	11	1,632,617.955
2021	12	2,386,038.161
2022	1	2,946,740.433
2022	2	2,896,083.449
2022	3	2,553,420.050
2022	4	1,951,497.594
2022	5	1,296,925.292
2022	6	862,600.021
2022	7	653,521.722

2022	8	637,696.957
2022	9	722,790.777
2022	10	1,085,302.752
2022	11	1,645,072.691
2022	12	2,398,492.896
2023	1	2,959,195.168
2023	2	2,908,538.185
2023	3	2,565,874.786
2023	4	1,963,952.330
2023	5	1,309,380.027
2023	6	875,054.756
2023	7	665,976.457
2023	8	650,151.692
2023	9	735,245.513
2023	10	1,097,757.488
2023	11	1,657,527.426
2023	12	2,410,947.632
2024	1	2,971,649.904
2024	2	2,920,992.920
2024	3	2,578,329.521
2024	4	1,976,407.065
2024	5	1,321,834.763
2024	6	887,509.492
2024	7	678,431.193
2024	8	662,606.428
2024	9	747,700.248
2024	10	1,110,212.223
2024	11	1,669,982.161
2024	12	2,423,402.367
2025	1	2,984,104.639
2025	2	2,933,447.656
2025	3	2,590,784.257
2025	4	1,988,861.800
2025	5	1,334,289.498
2025	6	899,964.227
2025	7	690,885.928
2025	8	675,061.163
2025	9	760,154.984
2025	10	1,122,666.958
2025	11	1,682,436.897
2025	12	2,435,857.102
2026	1	2,996,559.375
2026	2	2,945,902.391
2026	3	2,603,238.992
2026	4	2,001,316.536
2026	5	1,346,744.233
2026	6	912,418.963

2026	7	703,340.663
2026	8	687,515.898
2026	9	772,609.719
2026	10	1,135,121.694
2026	11	1,694,891.632
2026	12	2,448,311.838
2027	1	3,009,014.110
2027	2	2,958,357.126
2027	3	2,615,693.727
2027	4	2,013,771.271
2027	5	1,359,198.969
2027	6	924,873.698
2027	7	715,795.399
2027	8	699,970.634
2027	9	785,064.454
2027	10	1,147,576.429
2027	11	1,707,346.368
2027	12	2,460,766.573
2028	1	3,021,468.845
2028	2	2,970,811.862
2028	3	2,628,148.463
2028	4	2,026,226.006
2028	5	1,371,653.704
2028	6	937,328.433
2028	7	728,250.134
2028	8	712,425.369
2028	9	797,519.190
2028	10	1,160,031.164
2028	11	1,719,801.103
2028	12	2,473,221.309
2029	1	3,033,923.581
2029	2	2,983,266.597
2029	3	2,640,603.198
2029	4	2,038,680.742
2029	5	1,384,108.439
2029	6	949,783.169
2029	7	740,704.870
2029	8	724,880.105
2029	9	809,973.925
2029	10	1,172,485.900
2029	11	1,732,255.838
2029	12	2,485,676.044
2030	1	3,046,378.316
2030	2	2,995,721.332
2030	3	2,653,057.934
2030	4	2,051,135.477
2030	5	1,396,563.175

2030	6	962,237.904
2030	7	753,159.605
2030	8	737,334.840
2030	9	822,428.660
2030	10	1,184,940.635
2030	11	1,744,710.574
2030	12	2,498,130.779
2031	1	
2031	2	
2031	3	
2031	4	
2031	5	
2031	6	
2031	7	
2031	8	
2031	9	
2031	10	
2031	11	
2031	12	
2032	1	
2032	2	
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2036	10
2036	11
2036	12
2037	1
2037	2
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2037	7
2037	8
2037	9
2037	10
2037	11
2037	12
2038	1
2038	2
2038	3

2038	4
2038	5
2038	6
2038	7
2038	8
2038	9
2038	10
2038	11
2038	12

Variable	Coefficient	Mean	Elast	Units	Definition
HDD65	1586.582	654.595	0.771		
TrendVar	12454.735	21.333	0.197		
Aft2014	209318.733	0.184	0.029		

Year	Month	Pred	HDD65	TrendVar	Aft2014	ARMA	X-Missing
2007	1	2,371,583.958	2,158,815.562	212,768.396	0.000	0.000	0.000
2007	2	2,642,047.492	2,581,064.472	213,806.291	0.000	-152,823.270	0.000
2007	3	2,235,272.805	1,985,140.329	214,844.185	0.000	35,288.290	0.000
2007	4	1,584,973.845	1,248,447.867	215,882.080	0.000	120,643.898	0.000
2007	5	667,817.512	510,175.290	216,919.975	0.000	-59,277.752	0.000
2007	6	464,665.577	128,301.580	217,957.869	0.000	118,406.127	0.000
2007	7	236,671.881	9,618.652	218,995.764	0.000	8,057.465	0.000
2007	8	307,378.652	8,874.942	220,033.658	0.000	78,470.051	0.000
2007	9	346,208.990	89,661.703	221,071.553	0.000	35,475.734	0.000
2007	10	530,592.916	282,950.335	222,109.448	0.000	25,533.134	0.000
2007	11	1,078,954.362	884,654.867	223,147.342	0.000	-28,847.847	0.000
2007	12	2,062,522.024	1,951,293.970	224,185.237	0.000	-112,957.182	0.000
2008	1	2,649,421.241	2,470,436.752	225,223.132	0.000	-46,238.642	0.000
2008	2	2,669,109.021	2,446,436.397	226,261.026	0.000	-3,588.402	0.000
2008	3	2,537,382.838	2,193,265.081	227,298.921	0.000	116,818.837	0.000
2008	4	1,726,562.534	1,444,114.072	228,336.815	0.000	54,111.647	0.000
2008	5	967,103.784	744,404.342	229,374.710	0.000	-6,675.268	0.000
2008	6	499,909.685	230,636.106	230,412.605	0.000	38,860.975	0.000
2008	7	291,979.928	11,836.561	231,450.499	0.000	48,692.868	0.000
2008	8	298,385.916	4,564.728	232,488.394	0.000	61,332.794	0.000
2008	9	401,375.900	125,287.075	233,526.288	0.000	42,562.536	0.000
2008	10	601,944.875	362,180.263	234,564.183	0.000	5,200.430	0.000
2008	11	1,139,901.204	943,421.195	235,602.078	0.000	-39,122.068	0.000
2008	12	2,088,717.321	1,973,449.923	236,639.972	0.000	-121,372.575	0.000
2009	1	2,709,066.545	2,548,043.739	237,677.867	0.000	-76,655.061	0.000
2009	2	2,776,288.278	2,390,278.012	238,715.762	0.000	147,294.505	0.000
2009	3	2,187,678.999	1,916,641.241	239,753.656	0.000	31,284.101	0.000
2009	4	1,564,739.688	1,336,016.978	240,791.551	0.000	-12,068.841	0.000
2009	5	901,234.172	637,005.977	241,829.445	0.000	22,398.750	0.000
2009	6	521,921.021	268,195.124	242,867.340	0.000	10,858.556	0.000
2009	7	325,006.704	70,916.900	243,905.235	0.000	10,184.569	0.000
2009	8	345,613.720	50,559.073	244,943.129	0.000	50,111.518	0.000
2009	9	391,517.826	111,774.687	245,981.024	0.000	33,762.116	0.000
2009	10	822,767.612	571,397.514	247,018.918	0.000	4,351.179	0.000
2009	11	1,137,020.943	1,018,542.537	248,056.813	0.000	-129,578.407	0.000
2009	12	1,786,214.268	1,584,178.776	249,094.708	0.000	-47,059.216	0.000
2010	1	2,733,082.467	2,620,243.126	250,132.602	0.000	-137,293.261	0.000
2010	2	2,521,054.238	2,272,834.601	251,170.497	0.000	-2,950.859	0.000
2010	3	2,241,834.979	1,943,750.808	252,208.392	0.000	45,875.779	0.000
2010	4	1,198,364.648	960,559.296	253,246.286	0.000	-15,440.934	0.000
2010	5	808,196.242	547,886.355	254,284.181	0.000	6,025.706	0.000
2010	6	379,510.207	153,134.891	255,322.075	0.000	-28,946.760	0.000
2010	7	334,457.686	15,396.454	256,359.970	0.000	62,701.261	0.000
2010	8	296,888.692	1,874.150	257,397.865	0.000	37,616.678	0.000
2010	9	405,757.845	119,905.919	258,435.759	0.000	27,416.167	0.000
2010	10	637,091.154	392,093.940	259,473.654	0.000	-14,476.440	0.000

2010	11	1,079,440.354	889,170.014	260,511.548	0.000	-70,241.209	0.000
2010	12	2,079,871.372	1,985,336.065	261,549.443	0.000	-167,014.136	0.000
2011	1	2,361,887.260	2,196,301.862	262,587.338	0.000	-97,001.939	0.000
2011	2	2,812,859.700	2,344,346.470	263,625.232	0.000	204,887.998	0.000
2011	3	2,139,447.498	1,916,804.211	264,663.127	0.000	-42,019.839	0.000
2011	4	1,694,813.445	1,377,908.485	265,701.022	0.000	51,203.938	0.000
2011	5	1,023,049.770	789,069.925	266,738.916	0.000	-32,759.071	0.000
2011	6	503,080.435	205,971.370	267,776.811	0.000	29,332.254	0.000
2011	7	361,186.631	45,121.725	268,814.705	0.000	47,250.201	0.000
2011	8	308,706.654	1,103.996	269,852.600	0.000	37,750.058	0.000
2011	9	528,779.481	122,646.077	270,890.495	0.000	135,242.909	0.000
2011	10	610,607.752	393,062.416	271,928.389	0.000	-54,383.054	0.000
2011	11	1,156,019.328	925,863.023	272,966.284	0.000	-42,809.979	0.000
2011	12	1,713,171.508	1,603,730.092	274,004.178	0.000	-164,562.762	0.000
2012	1	2,427,796.142	2,128,829.166	275,042.073	0.000	23,924.903	0.000
2012	2	2,047,655.464	1,906,040.029	276,079.968	0.000	-134,464.533	0.000
2012	3	1,920,820.964	1,447,229.750	277,117.862	0.000	196,473.351	0.000
2012	4	1,024,895.665	690,308.945	278,155.757	0.000	56,430.963	0.000
2012	5	787,972.866	518,316.437	279,193.652	0.000	-9,537.222	0.000
2012	6	434,741.773	116,524.516	280,231.546	0.000	37,985.711	0.000
2012	7	322,952.294	7,949.436	281,269.441	0.000	33,733.418	0.000
2012	8	341,624.027	13,915.644	282,307.335	0.000	45,401.047	0.000
2012	9	390,979.076	89,579.069	283,345.230	0.000	18,054.778	0.000
2012	10	759,101.957	470,672.709	284,383.125	0.000	4,046.124	0.000
2012	11	1,134,020.071	938,532.540	285,421.019	0.000	-89,933.488	0.000
2012	12	1,734,116.080	1,483,596.102	286,458.914	0.000	-35,938.936	0.000
2013	1	2,712,905.859	2,505,788.835	287,496.808	0.000	-80,379.784	0.000
2013	2	2,458,137.511	2,195,409.410	288,534.703	0.000	-25,806.602	0.000
2013	3	2,440,318.698	1,999,978.893	289,572.598	0.000	150,767.208	0.000
2013	4	2,097,886.060	1,756,365.738	290,610.492	0.000	50,909.829	0.000
2013	5	1,175,845.895	885,430.044	291,648.387	0.000	-1,232.535	0.000
2013	6	738,738.729	281,594.468	292,686.281	0.000	164,457.979	0.000
2013	7	282,982.548	21,309.380	293,724.176	0.000	-32,051.009	0.000
2013	8	416,139.528	40,177.804	294,762.071	0.000	81,199.654	0.000
2013	9	388,960.788	73,783.193	295,799.965	0.000	19,377.630	0.000
2013	10	664,434.797	356,330.403	296,837.860	0.000	11,266.533	0.000
2013	11	1,351,047.076	1,143,475.672	297,875.755	0.000	-90,304.351	0.000
2013	12	2,225,250.408	2,024,963.854	298,913.649	0.000	-98,627.095	0.000
2014	1	2,827,211.538	2,425,545.610	299,951.544	209,318.733	-107,604.349	0.000
2014	2	3,478,151.767	2,682,679.747	300,989.438	209,318.733	285,163.849	0.000
2014	3	2,932,189.285	2,432,160.069	302,027.333	209,318.733	-11,316.851	0.000
2014	4	2,190,770.024	1,566,718.576	303,065.228	209,318.733	111,667.487	0.000
2014	5	1,279,195.181	827,066.046	304,103.122	209,318.733	-61,292.721	0.000
2014	6	667,311.295	160,700.903	305,141.017	209,318.733	-7,849.358	0.000
2014	7	561,671.082	29,469.170	306,178.911	209,318.733	16,704.267	0.000
2014	8	500,855.248	16,860.605	307,216.806	209,318.733	-32,540.896	0.000
2014	9	641,002.096	126,232.413	308,254.701	209,318.733	-2,803.751	0.000

2014	10	956,931.805	523,417.298	309,292.595	209,318.733	-85,096.821	0.000
2014	11	1,500,242.008	1,141,594.780	310,330.490	209,318.733	-161,001.995	0.000
2014	12	2,356,077.273	2,040,377.496	311,368.385	209,318.733	-204,987.340	0.000
2015	1	2,741,345.919	2,209,338.143	312,406.279	209,318.733	10,282.763	0.000
2015	2	2,735,456.005	2,189,321.828	313,444.174	209,318.733	23,371.270	0.000
2015	3	2,773,644.024	2,256,734.894	314,482.068	209,318.733	-6,891.671	0.000
2015	4	1,850,138.029	1,253,210.808	315,519.963	209,318.733	72,088.524	0.000
2015	5	1,100,175.767	616,708.307	316,557.858	209,318.733	-42,409.130	0.000
2015	6	762,055.273	233,256.874	317,595.752	209,318.733	1,883.914	0.000
2015	7	522,919.022	28,317.312	318,633.647	209,318.733	-33,350.670	0.000
2015	8	534,074.287	21,523.535	319,671.541	209,318.733	-16,439.522	0.000
2015	9	635,607.630	105,579.461	320,709.436	209,318.733	-0.000	0.000
2015	10	998,119.604	467,053.541	321,747.331	209,318.733	0.000	0.000
2015	11	1,557,889.543	1,025,785.585	322,785.225	209,318.733	0.000	0.000
2015	12	2,311,309.749	1,778,167.896	323,823.120	209,318.733	-0.000	0.000
2016	1	2,872,012.021	2,337,832.273	324,861.015	209,318.733	0.000	0.000
2016	2	2,821,355.037	2,286,137.395	325,898.909	209,318.733	-0.000	0.000
2016	3	2,478,691.638	1,942,436.101	326,936.804	209,318.733	0.000	0.000
2016	4	1,876,769.182	1,339,475.751	327,974.698	209,318.733	-0.000	0.000
2016	5	1,222,196.879	683,865.554	329,012.593	209,318.733	0.000	0.000
2016	6	787,871.609	248,502.388	330,050.488	209,318.733	0.000	0.000
2016	7	578,793.310	38,386.194	331,088.382	209,318.733	-0.000	0.000
2016	8	562,968.545	21,523.535	332,126.277	209,318.733	-0.000	0.000
2016	9	648,062.365	105,579.461	333,164.171	209,318.733	0.000	0.000
2016	10	1,010,574.340	467,053.541	334,202.066	209,318.733	0.000	0.000
2016	11	1,570,344.278	1,025,785.585	335,239.961	209,318.733	-0.000	0.000
2016	12	2,323,764.484	1,778,167.896	336,277.855	209,318.733	0.000	0.000
2017	1	2,884,466.756	2,337,832.273	337,315.750	209,318.733	0.000	0.000
2017	2	2,833,809.772	2,286,137.395	338,353.645	209,318.733	-0.000	0.000
2017	3	2,491,146.374	1,942,436.101	339,391.539	209,318.733	-0.000	0.000
2017	4	1,889,223.917	1,339,475.751	340,429.434	209,318.733	0.000	0.000
2017	5	1,234,651.615	683,865.554	341,467.328	209,318.733	0.000	0.000
2017	6	800,326.344	248,502.388	342,505.223	209,318.733	-0.000	0.000
2017	7	591,248.045	38,386.194	343,543.118	209,318.733	0.000	0.000
2017	8	575,423.280	21,523.535	344,581.012	209,318.733	0.000	0.000
2017	9	660,517.100	105,579.461	345,618.907	209,318.733	0.000	0.000
2017	10	1,023,029.075	467,053.541	346,656.801	209,318.733	0.000	0.000
2017	11	1,582,799.014	1,025,785.585	347,694.696	209,318.733	0.000	0.000
2017	12	2,336,219.219	1,778,167.896	348,732.591	209,318.733	-0.000	0.000
2018	1	2,896,921.492	2,337,832.273	349,770.485	209,318.733	-0.000	0.000
2018	2	2,846,264.508	2,286,137.395	350,808.380	209,318.733	0.000	0.000
2018	3	2,503,601.109	1,942,436.101	351,846.275	209,318.733	0.000	0.000
2018	4	1,901,678.653	1,339,475.751	352,884.169	209,318.733	0.000	0.000
2018	5	1,247,106.350	683,865.554	353,922.064	209,318.733	0.000	0.000
2018	6	812,781.079	248,502.388	354,959.958	209,318.733	0.000	0.000
2018	7	603,702.780	38,386.194	355,997.853	209,318.733	-0.000	0.000
2018	8	587,878.015	21,523.535	357,035.748	209,318.733	0.000	0.000

2018	9	672,971.836	105,579.461	358,073.642	209,318.733	0.000	0.000
2018	10	1,035,483.811	467,053.541	359,111.537	209,318.733	-0.000	0.000
2018	11	1,595,253.749	1,025,785.585	360,149.431	209,318.733	0.000	0.000
2018	12	2,348,673.955	1,778,167.896	361,187.326	209,318.733	-0.000	0.000
2019	1	2,909,376.227	2,337,832.273	362,225.221	209,318.733	0.000	0.000
2019	2	2,858,719.243	2,286,137.395	363,263.115	209,318.733	0.000	0.000
2019	3	2,516,055.844	1,942,436.101	364,301.010	209,318.733	0.000	0.000
2019	4	1,914,133.388	1,339,475.751	365,338.905	209,318.733	0.000	0.000
2019	5	1,259,561.086	683,865.554	366,376.799	209,318.733	0.000	0.000
2019	6	825,235.815	248,502.388	367,414.694	209,318.733	0.000	0.000
2019	7	616,157.516	38,386.194	368,452.588	209,318.733	-0.000	0.000
2019	8	600,332.751	21,523.535	369,490.483	209,318.733	0.000	0.000
2019	9	685,426.571	105,579.461	370,528.378	209,318.733	-0.000	0.000
2019	10	1,047,938.546	467,053.541	371,566.272	209,318.733	0.000	0.000
2019	11	1,607,708.485	1,025,785.585	372,604.167	209,318.733	-0.000	0.000
2019	12	2,361,128.690	1,778,167.896	373,642.061	209,318.733	0.000	0.000
2020	1	2,921,830.962	2,337,832.273	374,679.956	209,318.733	-0.000	0.000
2020	2	2,871,173.979	2,286,137.395	375,717.851	209,318.733	-0.000	0.000
2020	3	2,528,510.580	1,942,436.101	376,755.745	209,318.733	-0.000	0.000
2020	4	1,926,588.123	1,339,475.751	377,793.640	209,318.733	-0.000	0.000
2020	5	1,272,015.821	683,865.554	378,831.535	209,318.733	0.000	0.000
2020	6	837,690.550	248,502.388	379,869.429	209,318.733	-0.000	0.000
2020	7	628,612.251	38,386.194	380,907.324	209,318.733	0.000	0.000
2020	8	612,787.486	21,523.535	381,945.218	209,318.733	0.000	0.000
2020	9	697,881.307	105,579.461	382,983.113	209,318.733	0.000	0.000
2020	10	1,060,393.281	467,053.541	384,021.008	209,318.733	0.000	0.000
2020	11	1,620,163.220	1,025,785.585	385,058.902	209,318.733	0.000	0.000
2020	12	2,373,583.426	1,778,167.896	386,096.797	209,318.733	-0.000	0.000
2021	1	2,934,285.698	2,337,832.273	387,134.691	209,318.733	-0.000	0.000
2021	2	2,883,628.714	2,286,137.395	388,172.586	209,318.733	0.000	0.000
2021	3	2,540,965.315	1,942,436.101	389,210.481	209,318.733	0.000	0.000
2021	4	1,939,042.859	1,339,475.751	390,248.375	209,318.733	0.000	0.000
2021	5	1,284,470.556	683,865.554	391,286.270	209,318.733	-0.000	0.000
2021	6	850,145.286	248,502.388	392,324.165	209,318.733	0.000	0.000
2021	7	641,066.987	38,386.194	393,362.059	209,318.733	0.000	0.000
2021	8	625,242.221	21,523.535	394,399.954	209,318.733	0.000	0.000
2021	9	710,336.042	105,579.461	395,437.848	209,318.733	0.000	0.000
2021	10	1,072,848.017	467,053.541	396,475.743	209,318.733	0.000	0.000
2021	11	1,632,617.955	1,025,785.585	397,513.638	209,318.733	0.000	0.000
2021	12	2,386,038.161	1,778,167.896	398,551.532	209,318.733	-0.000	0.000
2022	1	2,946,740.433	2,337,832.273	399,589.427	209,318.733	0.000	0.000
2022	2	2,896,083.449	2,286,137.395	400,627.321	209,318.733	0.000	0.000
2022	3	2,553,420.050	1,942,436.101	401,665.216	209,318.733	-0.000	0.000
2022	4	1,951,497.594	1,339,475.751	402,703.111	209,318.733	0.000	0.000
2022	5	1,296,925.292	683,865.554	403,741.005	209,318.733	0.000	0.000
2022	6	862,600.021	248,502.388	404,778.900	209,318.733	0.000	0.000
2022	7	653,521.722	38,386.194	405,816.795	209,318.733	0.000	0.000

2022	8	637,696.957	21,523.535	406,854.689	209,318.733	0.000	0.000
2022	9	722,790.777	105,579.461	407,892.584	209,318.733	0.000	0.000
2022	10	1,085,302.752	467,053.541	408,930.478	209,318.733	0.000	0.000
2022	11	1,645,072.691	1,025,785.585	409,968.373	209,318.733	0.000	0.000
2022	12	2,398,492.896	1,778,167.896	411,006.268	209,318.733	0.000	0.000
2023	1	2,959,195.168	2,337,832.273	412,044.162	209,318.733	0.000	0.000
2023	2	2,908,538.185	2,286,137.395	413,082.057	209,318.733	-0.000	0.000
2023	3	2,565,874.786	1,942,436.101	414,119.951	209,318.733	-0.000	0.000
2023	4	1,963,952.330	1,339,475.751	415,157.846	209,318.733	0.000	0.000
2023	5	1,309,380.027	683,865.554	416,195.741	209,318.733	0.000	0.000
2023	6	875,054.756	248,502.388	417,233.635	209,318.733	0.000	0.000
2023	7	665,976.457	38,386.194	418,271.530	209,318.733	0.000	0.000
2023	8	650,151.692	21,523.535	419,309.425	209,318.733	0.000	0.000
2023	9	735,245.513	105,579.461	420,347.319	209,318.733	0.000	0.000
2023	10	1,097,757.488	467,053.541	421,385.214	209,318.733	0.000	0.000
2023	11	1,657,527.426	1,025,785.585	422,423.108	209,318.733	0.000	0.000
2023	12	2,410,947.632	1,778,167.896	423,461.003	209,318.733	0.000	0.000
2024	1	2,971,649.904	2,337,832.273	424,498.898	209,318.733	-0.000	0.000
2024	2	2,920,992.920	2,286,137.395	425,536.792	209,318.733	0.000	0.000
2024	3	2,578,329.521	1,942,436.101	426,574.687	209,318.733	0.000	0.000
2024	4	1,976,407.065	1,339,475.751	427,612.581	209,318.733	0.000	0.000
2024	5	1,321,834.763	683,865.554	428,650.476	209,318.733	0.000	0.000
2024	6	887,509.492	248,502.388	429,688.371	209,318.733	0.000	0.000
2024	7	678,431.193	38,386.194	430,726.265	209,318.733	0.000	0.000
2024	8	662,606.428	21,523.535	431,764.160	209,318.733	0.000	0.000
2024	9	747,700.248	105,579.461	432,802.055	209,318.733	0.000	0.000
2024	10	1,110,212.223	467,053.541	433,839.949	209,318.733	0.000	0.000
2024	11	1,669,982.161	1,025,785.585	434,877.844	209,318.733	-0.000	0.000
2024	12	2,423,402.367	1,778,167.896	435,915.738	209,318.733	-0.000	0.000
2025	1	2,984,104.639	2,337,832.273	436,953.633	209,318.733	0.000	0.000
2025	2	2,933,447.656	2,286,137.395	437,991.528	209,318.733	-0.000	0.000
2025	3	2,590,784.257	1,942,436.101	439,029.422	209,318.733	0.000	0.000
2025	4	1,988,861.800	1,339,475.751	440,067.317	209,318.733	0.000	0.000
2025	5	1,334,289.498	683,865.554	441,105.211	209,318.733	0.000	0.000
2025	6	899,964.227	248,502.388	442,143.106	209,318.733	-0.000	0.000
2025	7	690,885.928	38,386.194	443,181.001	209,318.733	0.000	0.000
2025	8	675,061.163	21,523.535	444,218.895	209,318.733	-0.000	0.000
2025	9	760,154.984	105,579.461	445,256.790	209,318.733	0.000	0.000
2025	10	1,122,666.958	467,053.541	446,294.685	209,318.733	0.000	0.000
2025	11	1,682,436.897	1,025,785.585	447,332.579	209,318.733	-0.000	0.000
2025	12	2,435,857.102	1,778,167.896	448,370.474	209,318.733	0.000	0.000
2026	1	2,996,559.375	2,337,832.273	449,408.368	209,318.733	0.000	0.000
2026	2	2,945,902.391	2,286,137.395	450,446.263	209,318.733	-0.000	0.000
2026	3	2,603,238.992	1,942,436.101	451,484.158	209,318.733	-0.000	0.000
2026	4	2,001,316.536	1,339,475.751	452,522.052	209,318.733	0.000	0.000
2026	5	1,346,744.233	683,865.554	453,559.947	209,318.733	0.000	0.000
2026	6	912,418.963	248,502.388	454,597.841	209,318.733	-0.000	0.000

2026	7	703,340.663	38,386.194	455,635.736	209,318.733	0.000	0.000
2026	8	687,515.898	21,523.535	456,673.631	209,318.733	0.000	0.000
2026	9	772,609.719	105,579.461	457,711.525	209,318.733	-0.000	0.000
2026	10	1,135,121.694	467,053.541	458,749.420	209,318.733	0.000	0.000
2026	11	1,694,891.632	1,025,785.585	459,787.315	209,318.733	-0.000	0.000
2026	12	2,448,311.838	1,778,167.896	460,825.209	209,318.733	0.000	0.000
2027	1	3,009,014.110	2,337,832.273	461,863.104	209,318.733	-0.000	0.000
2027	2	2,958,357.126	2,286,137.395	462,900.998	209,318.733	0.000	0.000
2027	3	2,615,693.727	1,942,436.101	463,938.893	209,318.733	0.000	0.000
2027	4	2,013,771.271	1,339,475.751	464,976.788	209,318.733	-0.000	0.000
2027	5	1,359,198.969	683,865.554	466,014.682	209,318.733	-0.000	0.000
2027	6	924,873.698	248,502.388	467,052.577	209,318.733	0.000	0.000
2027	7	715,795.399	38,386.194	468,090.471	209,318.733	0.000	0.000
2027	8	699,970.634	21,523.535	469,128.366	209,318.733	0.000	0.000
2027	9	785,064.454	105,579.461	470,166.261	209,318.733	0.000	0.000
2027	10	1,147,576.429	467,053.541	471,204.155	209,318.733	0.000	0.000
2027	11	1,707,346.368	1,025,785.585	472,242.050	209,318.733	0.000	0.000
2027	12	2,460,766.573	1,778,167.896	473,279.945	209,318.733	-0.000	0.000
2028	1	3,021,468.845	2,337,832.273	474,317.839	209,318.733	0.000	0.000
2028	2	2,970,811.862	2,286,137.395	475,355.734	209,318.733	-0.000	0.000
2028	3	2,628,148.463	1,942,436.101	476,393.628	209,318.733	0.000	0.000
2028	4	2,026,226.006	1,339,475.751	477,431.523	209,318.733	0.000	0.000
2028	5	1,371,653.704	683,865.554	478,469.418	209,318.733	0.000	0.000
2028	6	937,328.433	248,502.388	479,507.312	209,318.733	0.000	0.000
2028	7	728,250.134	38,386.194	480,545.207	209,318.733	0.000	0.000
2028	8	712,425.369	21,523.535	481,583.101	209,318.733	0.000	0.000
2028	9	797,519.190	105,579.461	482,620.996	209,318.733	0.000	0.000
2028	10	1,160,031.164	467,053.541	483,658.891	209,318.733	0.000	0.000
2028	11	1,719,801.103	1,025,785.585	484,696.785	209,318.733	-0.000	0.000
2028	12	2,473,221.309	1,778,167.896	485,734.680	209,318.733	0.000	0.000
2029	1	3,033,923.581	2,337,832.273	486,772.575	209,318.733	-0.000	0.000
2029	2	2,983,266.597	2,286,137.395	487,810.469	209,318.733	-0.000	0.000
2029	3	2,640,603.198	1,942,436.101	488,848.364	209,318.733	-0.000	0.000
2029	4	2,038,680.742	1,339,475.751	489,886.258	209,318.733	0.000	0.000
2029	5	1,384,108.439	683,865.554	490,924.153	209,318.733	0.000	0.000
2029	6	949,783.169	248,502.388	491,962.048	209,318.733	0.000	0.000
2029	7	740,704.870	38,386.194	492,999.942	209,318.733	0.000	0.000
2029	8	724,880.105	21,523.535	494,037.837	209,318.733	0.000	0.000
2029	9	809,973.925	105,579.461	495,075.731	209,318.733	0.000	0.000
2029	10	1,172,485.900	467,053.541	496,113.626	209,318.733	0.000	0.000
2029	11	1,732,255.838	1,025,785.585	497,151.521	209,318.733	0.000	0.000
2029	12	2,485,676.044	1,778,167.896	498,189.415	209,318.733	-0.000	0.000
2030	1	3,046,378.316	2,337,832.273	499,227.310	209,318.733	-0.000	0.000
2030	2	2,995,721.332	2,286,137.395	500,265.205	209,318.733	0.000	0.000
2030	3	2,653,057.934	1,942,436.101	501,303.099	209,318.733	0.000	0.000
2030	4	2,051,135.477	1,339,475.751	502,340.994	209,318.733	0.000	0.000
2030	5	1,396,563.175	683,865.554	503,378.888	209,318.733	0.000	0.000

2030	6	962,237.904	248,502.388	504,416.783	209,318.733	0.000	0.000
2030	7	753,159.605	38,386.194	505,454.678	209,318.733	0.000	0.000
2030	8	737,334.840	21,523.535	506,492.572	209,318.733	0.000	0.000
2030	9	822,428.660	105,579.461	507,530.467	209,318.733	-0.000	0.000
2030	10	1,184,940.635	467,053.541	508,568.361	209,318.733	0.000	0.000
2030	11	1,744,710.574	1,025,785.585	509,606.256	209,318.733	-0.000	0.000
2030	12	2,498,130.779	1,778,167.896	510,644.151	209,318.733	-0.000	0.000
2031	1			511,682.045	209,318.733		1.000
2031	2			512,719.940	209,318.733		1.000
2031	3			513,757.835	209,318.733		1.000
2031	4			514,795.729	209,318.733		1.000
2031	5			515,833.624	209,318.733		1.000
2031	6			516,871.518	209,318.733		1.000
2031	7			517,909.413	209,318.733		1.000
2031	8			518,947.308	209,318.733		1.000
2031	9			519,985.202	209,318.733		1.000
2031	10			521,023.097	209,318.733		1.000
2031	11			522,060.991	209,318.733		1.000
2031	12			523,098.886	209,318.733		1.000
2032	1			524,136.781	209,318.733		1.000
2032	2			525,174.675	209,318.733		1.000
2032	3			526,212.570	209,318.733		1.000
2032	4			527,250.465	209,318.733		1.000
2032	5			528,288.359	209,318.733		1.000
2032	6			529,326.254	209,318.733		1.000
2032	7			530,364.148	209,318.733		1.000
2032	8			531,402.043	209,318.733		1.000
2032	9			532,439.938	209,318.733		1.000
2032	10			533,477.832	209,318.733		1.000
2032	11			534,515.727	209,318.733		1.000
2032	12			535,553.621	209,318.733		1.000
2033	1			536,591.516	209,318.733		1.000
2033	2			537,629.411	209,318.733		1.000
2033	3			538,667.305	209,318.733		1.000
2033	4			539,705.200	209,318.733		1.000
2033	5			540,743.095	209,318.733		1.000
2033	6			541,780.989	209,318.733		1.000
2033	7			542,818.884	209,318.733		1.000
2033	8			543,856.778	209,318.733		1.000
2033	9			544,894.673	209,318.733		1.000
2033	10			545,932.568	209,318.733		1.000
2033	11			546,970.462	209,318.733		1.000
2033	12			548,008.357	209,318.733		1.000
2034	1			549,046.251	209,318.733		1.000
2034	2			550,084.146	209,318.733		1.000
2034	3			551,122.041	209,318.733		1.000
2034	4			552,159.935	209,318.733		1.000

2034	5	553,197.830	209,318.733	1.000
2034	6	554,235.725	209,318.733	1.000
2034	7	555,273.619	209,318.733	1.000
2034	8	556,311.514	209,318.733	1.000
2034	9	557,349.408	209,318.733	1.000
2034	10	558,387.303	209,318.733	1.000
2034	11	559,425.198	209,318.733	1.000
2034	12	560,463.092	209,318.733	1.000
2035	1	561,500.987	209,318.733	1.000
2035	2	562,538.881	209,318.733	1.000
2035	3	563,576.776	209,318.733	1.000
2035	4	564,614.671	209,318.733	1.000
2035	5	565,652.565	209,318.733	1.000
2035	6	566,690.460	209,318.733	1.000
2035	7	567,728.355	209,318.733	1.000
2035	8	568,766.249	209,318.733	1.000
2035	9	569,804.144	209,318.733	1.000
2035	10	570,842.038	209,318.733	1.000
2035	11	571,879.933	209,318.733	1.000
2035	12	572,917.828	209,318.733	1.000
2036	1	573,955.722	209,318.733	1.000
2036	2	574,993.617	209,318.733	1.000
2036	3	576,031.511	209,318.733	1.000
2036	4	577,069.406	209,318.733	1.000
2036	5	578,107.301	209,318.733	1.000
2036	6	579,145.195	209,318.733	1.000
2036	7	580,183.090	209,318.733	1.000
2036	8	581,220.985	209,318.733	1.000
2036	9	582,258.879	209,318.733	1.000
2036	10	583,296.774	209,318.733	1.000
2036	11	584,334.668	209,318.733	1.000
2036	12	585,372.563	209,318.733	1.000
2037	1	586,410.458	209,318.733	1.000
2037	2	587,448.352	209,318.733	1.000
2037	3	588,486.247	209,318.733	1.000
2037	4	589,524.141	209,318.733	1.000
2037	5	590,562.036	209,318.733	1.000
2037	6	591,599.931	209,318.733	1.000
2037	7	592,637.825	209,318.733	1.000
2037	8	593,675.720	209,318.733	1.000
2037	9	594,713.615	209,318.733	1.000
2037	10	595,751.509	209,318.733	1.000
2037	11	596,789.404	209,318.733	1.000
2037	12	597,827.298	209,318.733	1.000
2038	1	598,865.193	209,318.733	1.000
2038	2	599,903.088	209,318.733	1.000
2038	3	600,940.982	209,318.733	1.000

2038	4	601,978.877	209,318.733	1.000
2038	5	603,016.771	209,318.733	1.000
2038	6	604,054.666	209,318.733	1.000
2038	7	605,092.561	209,318.733	1.000
2038	8	606,130.455	209,318.733	1.000
2038	9	607,168.350	209,318.733	1.000
2038	10	608,206.245	209,318.733	1.000
2038	11	609,244.139	209,318.733	1.000
2038	12	610,282.034	209,318.733	1.000

Year	Month	Actual	Pred	Upper	Lower	Sigma
2007	1	2,035,809.000	2,371,583.958	2,745,317.177	1,997,850.739	188,354.326
2007	2	2,719,581.000	2,642,047.492	3,019,002.540	2,265,092.444	189,978.066
2007	3	2,500,345.000	2,235,272.805	2,607,914.860	1,862,630.750	187,804.401
2007	4	1,454,732.000	1,584,973.845	1,954,731.245	1,215,216.444	186,350.591
2007	5	927,973.000	667,817.512	1,037,450.723	298,184.302	186,288.001
2007	6	482,369.000	464,665.577	835,340.793	93,990.361	186,813.152
2007	7	409,082.000	236,671.881	607,847.595	-134,503.833	187,065.393
2007	8	385,324.000	307,378.652	678,593.486	-63,836.182	187,085.109
2007	9	402,309.000	346,208.990	717,130.873	-24,712.893	186,937.468
2007	10	467,210.000	530,592.916	900,890.587	160,295.245	186,622.877
2007	11	830,771.000	1,078,954.362	1,448,422.148	709,486.576	186,204.630
2007	12	1,960,929.000	2,062,522.024	2,434,941.267	1,690,102.782	187,692.108
2008	1	2,641,537.000	2,649,421.241	3,025,295.532	2,273,546.950	189,433.385
2008	2	2,925,777.000	2,669,109.021	3,044,782.361	2,293,435.681	189,332.110
2008	3	2,656,274.000	2,537,382.838	2,911,233.403	2,163,532.274	188,413.466
2008	4	1,711,896.000	1,726,562.534	2,096,908.035	1,356,217.034	186,646.982
2008	5	1,052,487.000	967,103.784	1,336,742.599	597,464.969	186,290.826
2008	6	606,895.000	499,909.685	870,628.339	129,191.031	186,835.044
2008	7	426,737.000	291,979.928	663,588.259	-79,628.402	187,283.424
2008	8	391,902.000	298,385.916	670,064.861	-73,293.029	187,319.012
2008	9	412,802.000	401,375.900	772,581.937	30,169.863	187,080.675
2008	10	515,988.000	601,944.875	972,390.573	231,499.178	186,697.479
2008	11	873,228.000	1,139,901.204	1,509,607.489	770,194.920	186,324.829
2008	12	1,920,295.000	2,088,717.321	2,461,232.793	1,716,201.848	187,740.606
2009	1	3,032,694.000	2,709,066.545	3,085,409.288	2,332,723.801	189,669.476
2009	2	2,845,024.000	2,776,288.278	3,151,411.116	2,401,165.440	189,054.668
2009	3	2,161,162.000	2,187,678.999	2,559,903.679	1,815,454.318	187,594.052
2009	4	1,613,953.000	1,564,739.688	1,934,950.193	1,194,529.183	186,578.947
2009	5	925,092.000	901,234.172	1,271,293.560	531,174.783	186,502.787
2009	6	544,298.000	521,921.021	892,920.297	150,921.744	186,976.472
2009	7	435,109.000	325,006.704	696,812.292	-46,798.884	187,382.838
2009	8	419,794.000	345,613.720	717,549.115	-26,321.674	187,448.258
2009	9	401,078.000	391,517.826	763,223.733	19,811.919	187,332.600
2009	10	538,065.000	822,767.612	1,193,081.781	452,453.443	186,631.191
2009	11	1,033,625.000	1,137,020.943	1,506,982.792	767,059.094	186,453.629
2009	12	1,484,561.000	1,786,214.268	2,157,145.496	1,415,283.041	186,942.177
2010	1	2,726,599.000	2,733,082.467	3,109,865.736	2,356,299.198	189,891.493
2010	2	2,621,850.000	2,521,054.238	2,895,287.617	2,146,820.860	188,606.397
2010	3	2,207,909.000	2,241,834.979	2,614,208.306	1,869,461.651	187,668.967
2010	4	1,211,604.000	1,198,364.648	1,568,428.431	828,300.865	186,505.001
2010	5	744,596.000	808,196.242	1,178,769.449	437,623.035	186,761.741
2010	6	517,274.000	379,510.207	751,388.128	7,632.285	187,419.292
2010	7	417,107.000	334,457.686	707,004.472	-38,089.101	187,756.387
2010	8	357,126.000	296,888.692	669,544.487	-75,767.102	187,811.325
2010	9	373,951.000	405,757.845	777,897.796	33,617.893	187,551.350
2010	10	482,761.000	637,091.154	1,008,242.692	265,939.616	187,053.209

2010	11	712,486.000	1,079,440.354	1,449,695.938	709,184.770	186,601.666
2010	12	1,866,744.000	2,079,871.372	2,452,468.015	1,707,274.729	187,781.514
2011	1	2,812,056.000	2,361,887.260	2,735,615.695	1,988,158.826	188,351.915
2011	2	2,720,536.000	2,812,859.700	3,187,506.519	2,438,212.881	188,814.763
2011	3	2,251,950.000	2,139,447.498	2,511,736.625	1,767,158.372	187,626.532
2011	4	1,622,837.000	1,694,813.445	2,065,443.721	1,324,183.170	186,790.503
2011	5	1,087,497.000	1,023,049.770	1,393,557.704	652,541.835	186,728.845
2011	6	606,896.000	503,080.435	875,208.644	130,952.226	187,545.432
2011	7	444,129.000	361,186.631	734,095.489	-11,722.227	187,938.865
2011	8	605,855.000	308,706.654	681,884.617	-64,471.309	188,074.488
2011	9	409,292.000	528,779.481	901,398.927	156,160.035	187,793.006
2011	10	516,548.000	610,607.752	982,185.524	239,029.979	187,268.023
2011	11	794,451.000	1,156,019.328	1,526,557.933	785,480.724	186,744.302
2011	12	1,765,738.000	1,713,171.508	2,084,417.461	1,341,925.556	187,100.792
2012	1	2,132,358.000	2,427,796.142	2,801,152.747	2,054,439.536	188,164.520
2012	2	2,479,336.000	2,047,655.464	2,419,961.336	1,675,349.591	187,634.971
2012	3	2,044,808.000	1,920,820.964	2,291,752.711	1,549,889.217	186,942.438
2012	4	1,003,941.000	1,024,895.665	1,395,891.271	653,900.059	186,974.622
2012	5	871,433.000	787,972.866	1,159,416.190	416,529.543	187,200.263
2012	6	508,859.000	434,741.773	807,775.288	61,708.258	188,001.689
2012	7	422,705.000	322,952.294	696,589.005	-50,684.416	188,305.688
2012	8	381,293.000	341,624.027	715,274.308	-32,026.254	188,312.527
2012	9	399,869.000	390,979.076	764,278.547	17,679.606	188,135.725
2012	10	561,505.000	759,101.957	1,130,870.724	387,333.190	187,364.280
2012	11	1,055,057.000	1,134,020.071	1,504,874.227	763,165.914	186,903.334
2012	12	1,557,510.000	1,734,116.080	2,105,265.742	1,362,966.417	187,052.264
2013	1	2,656,205.000	2,712,905.859	3,088,553.376	2,337,258.342	189,319.096
2013	2	2,789,395.000	2,458,137.511	2,831,881.928	2,084,393.093	188,359.970
2013	3	2,552,175.000	2,440,318.698	2,813,116.464	2,067,520.932	187,882.876
2013	4	2,095,178.000	2,097,886.060	2,469,777.149	1,725,994.971	187,425.928
2013	5	1,537,184.000	1,175,845.895	1,546,930.275	804,761.516	187,019.363
2013	6	668,318.000	738,738.729	1,111,532.181	365,945.276	187,880.702
2013	7	461,390.000	282,982.548	657,106.267	-91,141.172	188,551.131
2013	8	458,715.000	416,139.528	790,205.955	42,073.102	188,522.257
2013	9	413,715.000	388,960.788	762,891.430	15,030.145	188,453.824
2013	10	466,023.000	664,434.797	1,037,086.485	291,783.108	187,809.256
2013	11	1,134,349.000	1,351,047.076	1,722,128.892	979,965.260	187,018.071
2013	12	1,988,828.000	2,225,250.408	2,598,225.253	1,852,275.564	187,972.120
2014	1	3,453,758.000	2,827,211.538	3,210,413.968	2,444,009.108	193,126.626
2014	2	3,453,287.000	3,478,151.767	3,863,107.078	3,093,196.456	194,010.044
2014	3	3,177,539.000	2,932,189.285	3,315,382.310	2,548,996.259	193,121.886
2014	4	2,056,101.000	2,190,770.024	2,570,292.092	1,811,247.956	191,271.795
2014	5	1,261,949.000	1,279,195.181	1,658,511.566	899,878.796	191,168.134
2014	6	704,013.000	667,311.295	1,048,768.129	285,854.460	192,246.880
2014	7	490,174.000	561,671.082	943,824.749	179,517.414	192,598.070
2014	8	494,695.000	500,855.248	883,101.073	118,609.423	192,644.515
2014	9	454,032.000	641,002.096	1,022,689.912	259,314.280	192,363.290

2014	10	603,187.000	956,931.805	1,337,009.953	576,853.656	191,552.048
2014	11	1,049,855.000	1,500,242.008	1,879,317.424	1,121,166.591	191,046.691
2014	12	2,378,670.000	2,356,077.273	2,737,008.099	1,975,146.448	191,981.781
2015	1	2,792,696.000	2,741,345.919	3,123,045.875	2,359,645.962	192,369.408
2015	2	2,720,314.000	2,735,456.005	3,117,036.622	2,353,875.388	192,309.263
2015	3	2,932,033.000	2,773,644.024	3,155,548.459	2,391,739.590	192,472.461
2015	4	1,756,959.000	1,850,138.029	2,229,227.146	1,471,048.912	191,053.596
2015	5	1,104,315.000	1,100,175.767	1,480,066.318	720,285.217	191,457.503
2015	6	688,779.000	762,055.273	1,143,406.217	380,704.330	192,193.513
2015	7	486,799.000	522,919.022	905,360.117	140,477.927	192,742.928
2015	8		534,074.287	916,578.931	151,569.643	192,774.955
2015	9		635,607.630	1,017,667.836	253,547.423	192,550.967
2015	10		998,119.604	1,378,566.797	617,672.412	191,738.040
2015	11		1,557,889.543	1,937,066.179	1,178,712.907	191,097.704
2015	12		2,311,309.749	2,691,167.747	1,931,451.750	191,441.097
2016	1		2,872,012.021	3,254,148.790	2,489,875.252	192,589.553
2016	2		2,821,355.037	3,203,197.908	2,439,512.166	192,441.435
2016	3		2,478,691.638	2,859,029.787	2,098,353.490	191,683.083
2016	4		1,876,769.182	2,255,893.826	1,497,644.538	191,071.500
2016	5		1,222,196.879	1,602,056.085	842,337.674	191,441.705
2016	6		787,871.609	1,169,402.943	406,340.275	192,284.426
2016	7		578,793.310	961,479.579	196,107.041	192,866.491
2016	8		562,968.545	945,781.513	180,155.576	192,930.345
2016	9		648,062.365	1,030,413.385	265,711.345	192,697.532
2016	10		1,010,574.340	1,391,229.798	629,918.882	191,843.001
2016	11		1,570,344.278	1,949,598.812	1,191,089.745	191,136.962
2016	12		2,323,764.484	2,703,523.299	1,944,005.669	191,391.111
2017	1		2,884,466.756	3,266,374.558	2,502,558.954	192,474.158
2017	2		2,833,809.772	3,215,437.733	2,452,181.812	192,333.124
2017	3		2,491,146.374	2,871,352.441	2,110,940.307	191,616.517
2017	4		1,889,223.917	2,268,361.768	1,510,086.066	191,078.157
2017	5		1,234,651.615	1,614,681.893	854,621.337	191,527.923
2017	6		800,326.344	1,182,133.024	418,519.664	192,423.195
2017	7		591,248.045	974,260.382	208,235.708	193,030.823
2017	8		575,423.280	958,568.172	192,278.388	193,097.628
2017	9		660,517.100	1,043,182.590	277,851.610	192,856.019
2017	10		1,023,029.075	1,403,916.673	642,141.477	191,959.995
2017	11		1,582,799.014	1,962,155.514	1,203,442.514	191,188.351
2017	12		2,336,219.219	2,715,902.890	1,956,535.549	191,353.239
2018	1		2,896,921.492	3,278,624.125	2,515,218.858	192,370.758
2018	2		2,846,264.508	3,227,701.390	2,464,827.626	192,236.824
2018	3		2,503,601.109	2,883,699.086	2,123,503.131	191,562.042
2018	4		1,901,678.653	2,280,853.807	1,522,503.498	191,096.957
2018	5		1,247,106.350	1,627,331.654	866,881.047	191,626.212
2018	6		812,781.079	1,194,886.819	430,675.340	192,573.915
2018	7		603,702.780	987,064.741	220,340.819	193,207.026
2018	8		587,878.015	971,378.368	204,377.663	193,276.773

2018	9	672,971.836	1,055,975.393	289,968.279	193,026.398
2018	10	1,035,483.811	1,416,627.379	654,340.242	192,089.000
2018	11	1,595,253.749	1,974,736.265	1,215,771.233	191,251.861
2018	12	2,348,673.955	2,728,306.533	1,969,041.377	191,327.489
2019	1	2,909,376.227	3,290,897.531	2,527,854.923	192,279.371
2019	2	2,858,719.243	3,239,988.915	2,477,449.571	192,152.553
2019	3	2,516,055.844	2,896,069.745	2,136,041.944	191,519.669
2019	4	1,914,133.388	2,293,369.935	1,534,896.841	191,127.897
2019	5	1,259,561.086	1,640,005.330	879,116.841	191,736.554
2019	6	825,235.815	1,207,664.272	442,807.358	192,736.558
2019	7	616,157.516	999,892.592	232,422.439	193,395.069
2019	8	600,332.751	984,212.036	216,453.465	193,467.748
2019	9	685,426.571	1,068,791.730	302,061.412	193,208.638
2019	10	1,047,938.546	1,429,361.868	666,515.224	192,229.990
2019	11	1,607,708.485	1,987,341.042	1,228,075.927	191,327.479
2019	12	2,361,128.690	2,740,734.238	1,981,523.143	191,313.867
2020	1	2,921,830.962	3,303,194.808	2,540,467.117	192,200.015
2020	2	2,871,173.979	3,252,300.340	2,490,047.617	192,080.328
2020	3	2,528,510.580	2,908,464.432	2,148,556.728	191,489.405
2020	4	1,926,588.123	2,305,910.140	1,547,266.107	191,170.972
2020	5	1,272,015.821	1,652,702.882	891,328.760	191,858.929
2020	6	837,690.550	1,220,465.322	454,915.778	192,911.095
2020	7	628,612.251	1,012,743.866	244,480.636	193,594.917
2020	8	612,787.486	997,069.107	228,505.865	193,670.517
2020	9	697,881.307	1,081,631.536	314,131.077	193,402.706
2020	10	1,060,393.281	1,442,120.087	678,666.476	192,382.939
2020	11	1,620,163.220	1,999,969.816	1,240,356.624	191,415.191
2020	12	2,373,583.426	2,753,186.010	1,993,980.841	191,312.373
2021	1	2,934,285.698	3,315,515.987	2,553,055.409	192,132.705
2021	2	2,883,628.714	3,299,713.614	2,467,543.814	209,698.756
2021	3	2,540,965.315	2,956,053.131	2,125,877.499	209,196.245
2021	4	1,939,042.859	2,353,685.627	1,524,400.090	208,971.949
2021	5	1,284,470.556	1,700,506.677	868,434.436	209,674.172
2021	6	850,145.286	1,268,188.498	432,102.073	210,685.707
2021	7	641,066.987	1,060,400.012	221,733.961	211,335.749
2021	8	625,242.221	1,044,718.112	205,766.331	211,407.750
2021	9	710,336.042	1,129,308.872	291,363.212	211,154.217
2021	10	1,072,848.017	1,489,891.848	655,804.186	210,182.039
2021	11	1,632,617.955	2,047,785.178	1,217,450.733	209,236.264
2021	12	2,386,038.161	2,800,856.763	1,971,219.559	209,060.566
2022	1	2,946,740.433	3,362,929.433	2,530,551.433	209,751.220
2022	2	2,896,083.449	3,312,080.963	2,480,085.936	209,654.715
2022	3	2,553,420.050	2,968,496.918	2,138,343.183	209,190.727
2022	4	1,951,497.594	2,366,262.594	1,536,732.594	209,033.552
2022	5	1,296,925.292	1,713,227.363	880,623.220	209,808.206
2022	6	862,600.021	1,281,003.743	444,196.299	210,867.397
2022	7	653,521.722	1,073,261.191	233,782.253	211,540.588

2022	8	637,696.957	1,057,584.593	217,809.320	211,615.262
2022	9	722,790.777	1,142,159.555	303,421.999	211,353.767
2022	10	1,085,302.752	1,502,667.948	667,937.556	210,344.000
2022	11	1,645,072.691	2,060,443.056	1,229,702.325	209,338.644
2022	12	2,398,492.896	2,813,352.836	1,983,632.957	209,081.400
2023	1	2,959,195.168	3,375,305.707	2,543,084.630	209,711.677
2023	2	2,908,538.185	3,324,470.260	2,492,606.110	209,621.735
2023	3	2,565,874.786	2,980,962.716	2,150,786.855	209,196.303
2023	4	1,963,952.330	2,378,861.546	1,549,043.113	209,106.234
2023	5	1,309,380.027	1,725,969.812	892,790.243	209,953.208
2023	6	875,054.756	1,293,840.495	456,269.018	211,059.926
2023	7	665,976.457	1,086,143.721	245,809.194	211,756.188
2023	8	650,151.692	1,070,472.409	229,830.976	211,833.526
2023	9	735,245.513	1,155,031.630	315,459.395	211,564.098
2023	10	1,097,757.488	1,515,465.674	680,049.301	210,516.861
2023	11	1,657,527.426	2,073,122.820	1,241,932.032	209,452.054
2023	12	2,410,947.632	2,825,870.925	1,996,024.339	209,113.328
2024	1	2,971,649.904	3,387,703.927	2,555,595.881	209,683.194
2024	2	2,920,992.920	3,336,881.515	2,505,104.325	209,599.822
2024	3	2,578,329.521	2,993,450.524	2,163,208.518	209,212.970
2024	4	1,976,407.065	2,391,482.460	1,561,331.670	209,189.985
2024	5	1,321,834.763	1,738,733.978	904,935.547	210,109.155
2024	6	887,509.492	1,306,698.695	468,320.288	211,263.265
2024	7	678,431.193	1,099,047.538	257,814.847	211,982.517
2024	8	662,606.428	1,083,381.492	241,831.363	212,062.508
2024	9	747,700.248	1,167,925.033	327,475.463	211,785.178
2024	10	1,110,212.223	1,528,284.973	692,139.473	210,700.594
2024	11	1,669,982.161	2,085,824.433	1,254,139.890	209,576.476
2024	12	2,423,402.367	2,838,411.020	2,008,393.714	209,156.348
2025	1	2,984,104.639	3,400,124.101	2,568,085.178	209,665.776
2025	2	2,933,447.656	3,349,314.737	2,517,580.574	209,588.980
2025	3	2,590,784.257	3,005,960.336	2,175,608.177	209,240.728
2025	4	1,988,861.800	2,404,125.309	1,573,598.291	209,284.791
2025	5	1,334,289.498	1,751,519.813	917,059.183	210,276.023
2025	6	899,964.227	1,319,578.281	480,350.173	211,477.382
2025	7	690,885.928	1,111,972.575	269,799.281	212,219.540
2025	8	675,061.163	1,096,311.775	253,810.551	212,302.175
2025	9	760,154.984	1,180,839.698	339,470.269	212,016.973
2025	10	1,122,666.958	1,541,125.789	704,208.128	210,895.171
2025	11	1,682,436.897	2,098,547.858	1,266,325.936	209,711.890
2025	12	2,435,857.102	2,850,973.107	2,020,741.098	209,210.451
2026	1	2,996,559.375	3,412,566.235	2,580,552.514	209,659.426
2026	2	2,945,902.391	3,361,769.928	2,530,034.854	209,589.209
2026	3	2,603,238.992	3,018,492.144	2,187,985.840	209,279.571
2026	4	2,001,316.536	2,416,790.065	1,585,843.007	209,390.637
2026	5	1,346,744.233	1,764,327.266	929,161.201	210,453.786
2026	6	912,418.963	1,332,479.189	492,358.736	211,702.244

2026	7	703,340.663	1,124,918.759	281,762.568	212,467.221
2026	8	687,515.898	1,109,263.186	265,768.610	212,552.490
2026	9	772,609.719	1,193,775.553	351,443.884	212,259.449
2026	10	1,135,121.694	1,553,988.062	716,255.325	211,100.562
2026	11	1,694,891.632	2,111,293.051	1,278,490.213	209,858.275
2026	12	2,448,311.838	2,863,557.170	2,033,066.506	209,275.630
2027	1	3,009,014.110	3,425,030.332	2,592,997.888	209,664.143
2027	2	2,958,357.126	3,374,247.088	2,542,467.165	209,600.511
2027	3	2,615,693.727	3,031,045.935	2,200,341.520	209,329.493
2027	4	2,013,771.271	2,429,476.693	1,598,065.849	209,507.506
2027	5	1,359,198.969	1,777,156.281	941,241.656	210,642.416
2027	6	924,873.698	1,345,401.350	504,346.046	211,937.817
2027	7	715,795.399	1,137,886.018	293,704.780	212,725.522
2027	8	699,970.634	1,122,235.650	277,705.617	212,813.415
2027	9	785,064.454	1,206,732.528	363,396.380	212,512.568
2027	10	1,147,576.429	1,566,871.729	728,281.129	211,316.736
2027	11	1,707,346.368	2,124,059.968	1,290,632.767	210,015.609
2027	12	2,460,766.573	2,876,163.188	2,045,369.958	209,351.873
2028	1	3,021,468.845	3,437,516.389	2,605,421.302	209,679.929
2028	2	2,970,811.862	3,386,746.213	2,554,877.510	209,622.882
2028	3	2,628,148.463	3,043,621.694	2,212,675.232	209,390.486
2028	4	2,026,226.006	2,442,185.158	1,610,266.855	209,635.381
2028	5	1,371,653.704	1,790,006.802	953,300.607	210,841.884
2028	6	937,328.433	1,358,344.694	516,312.173	212,184.066
2028	7	728,250.134	1,150,874.274	305,625.994	212,994.407
2028	8	712,425.369	1,135,229.090	289,621.648	213,084.912
2028	9	797,519.190	1,219,710.547	375,327.832	212,776.293
2028	10	1,160,031.164	1,579,776.726	740,285.603	211,543.659
2028	11	1,719,801.103	2,136,848.559	1,302,753.647	210,183.866
2028	12	2,473,221.309	2,888,791.137	2,057,651.480	209,439.170
2029	1	3,033,923.581	3,450,024.401	2,617,822.760	209,706.779
2029	2	2,983,266.597	3,399,267.297	2,567,265.897	209,656.321
2029	3	2,640,603.198	3,056,219.401	2,224,986.996	209,462.541
2029	4	2,038,680.742	2,454,915.419	1,622,446.065	209,774.241
2029	5	1,384,108.439	1,802,878.766	965,338.113	211,052.159
2029	6	949,783.169	1,371,309.146	528,257.191	212,440.954
2029	7	740,704.870	1,163,883.448	317,526.291	213,273.833
2029	8	724,880.105	1,148,243.426	301,516.783	213,366.940
2029	9	809,973.925	1,232,709.531	387,238.319	213,050.583
2029	10	1,172,485.900	1,592,702.983	752,268.817	211,781.296
2029	11	1,732,255.838	2,149,658.772	1,314,852.904	210,363.020
2029	12	2,485,676.044	2,901,440.989	2,069,911.099	209,537.505
2030	1	3,046,378.316	3,462,554.361	2,630,202.271	209,744.691
2030	2	2,995,721.332	3,411,810.329	2,579,632.335	209,700.821
2030	3	2,653,057.934	3,068,839.033	2,237,276.834	209,545.646
2030	4	2,051,135.477	2,467,667.433	1,634,603.522	209,924.063
2030	5	1,396,563.175	1,815,772.110	977,354.240	211,273.209

2030	6	962,237.904	1,384,294.632	540,181.177	212,708.442
2030	7	753,159.605	1,176,913.458	329,405.752	213,563.760
2030	8	737,334.840	1,161,278.575	313,391.105	213,659.457
2030	9	822,428.660	1,245,729.400	399,127.921	213,335.400
2030	10	1,184,940.635	1,605,650.429	764,230.842	212,029.613
2030	11	1,744,710.574	2,162,490.553	1,326,930.594	210,553.043
2030	12	2,498,130.779	2,914,112.715	2,082,148.844	209,646.864
2031	1				
2031	2				
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2032	1				
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2038	1
2038	2
2038	3

2038	4
2038	5
2038	6
2038	7
2038	8
2038	9
2038	10
2038	11
2038	12

Year	Month	IntSales	HDD65	XMissing	YMissing
2007	1	416,650.00	1,360.67	0	0
2007	2	558,865.00	1,626.81	0	0
2007	3	465,152.00	1,251.21	0	0
2007	4	308,254.00	786.88	0	0
2007	5	203,877.00	321.56	0	0
2007	6	176,633.00	80.87	0	0
2007	7	122,014.00	6.06	0	0
2007	8	110,540.00	5.59	0	0
2007	9	145,822.00	56.51	0	0
2007	10	216,520.00	178.34	0	0
2007	11	227,777.00	557.59	0	0
2007	12	456,362.00	1,229.87	0	0
2008	1	530,270.00	1,557.08	0	0
2008	2	580,393.00	1,541.95	0	0
2008	3	549,185.00	1,382.38	0	0
2008	4	376,914.00	910.20	0	0
2008	5	216,769.00	469.19	0	0
2008	6	185,480.00	145.37	0	0
2008	7	103,935.00	7.46	0	0
2008	8	88,582.00	2.88	0	0
2008	9	100,218.00	78.97	0	0
2008	10	144,061.00	228.28	0	0
2008	11	196,381.00	594.63	0	0
2008	12	503,668.00	1,243.84	0	0
2009	1	602,129.00	1,606.00	0	0
2009	2	555,907.00	1,506.56	0	0
2009	3	448,623.00	1,208.03	0	0
2009	4	388,833.00	842.07	0	0
2009	5	190,050.00	401.50	0	0
2009	6	125,587.00	169.04	0	0
2009	7	74,579.00	44.70	0	0
2009	8	67,411.00	31.87	0	0
2009	9	82,056.00	70.45	0	0
2009	10	183,905.00	360.14	0	0
2009	11	229,829.00	641.97	0	0
2009	12	378,016.00	998.49	0	0
2010	1	571,921.00	1,651.50	0	0
2010	2	561,658.00	1,432.54	0	0
2010	3	517,824.00	1,225.12	0	0
2010	4	283,136.00	605.43	0	0
2010	5	145,597.00	345.33	0	0
2010	6	142,015.00	96.52	0	0
2010	7	124,818.00	9.70	0	0
2010	8	94,258.00	1.18	0	0
2010	9	73,345.00	75.58	0	0
2010	10	93,011.00	247.13	0	0

2010	11	138,739.00	560.43	0	0
2010	12	424,063.00	1,251.33	0	0
2011	1	560,579.00	1,384.30	0	0
2011	2	518,409.00	1,477.61	0	0
2011	3	450,002.00	1,208.13	0	0
2011	4	303,373.00	868.48	0	0
2011	5	169,201.00	497.34	0	0
2011	6	104,473.00	129.82	0	0
2011	7	66,925.00	28.44	0	0
2011	8	70,354.00	0.70	0	0
2011	9	60,297.00	77.30	0	0
2011	10	79,055.00	247.74	0	0
2011	11	129,726.00	583.56	0	0
2011	12	241,910.00	1,010.81	0	0
2012	1	335,378.00	1,341.77	0	0
2012	2	329,370.00	1,201.35	0	0
2012	3	286,435.00	912.17	0	0
2012	4	100,742.00	435.09	0	0
2012	5	85,651.00	326.69	0	0
2012	6	62,698.00	73.44	0	0
2012	7	64,299.00	5.01	0	0
2012	8	57,561.00	8.77	0	0
2012	9	60,040.00	56.46	0	0
2012	10	67,282.00	296.66	0	0
2012	11	132,738.00	591.54	0	0
2012	12	210,598.00	935.09	0	0
2013	1	308,009.00	1,579.36	0	0
2013	2	417,888.00	1,383.74	0	0
2013	3	316,721.00	1,260.56	0	0
2013	4	168,017.00	1,107.01	0	0
2013	5	343,267.00	558.07	0	0
2013	6	95,552.00	177.49	0	0
2013	7	68,687.00	13.43	0	0
2013	8	56,449.00	25.32	0	0
2013	9	54,131.00	46.50	0	0
2013	10	67,231.00	224.59	0	0
2013	11	150,836.00	720.72	0	0
2013	12	283,234.00	1,276.31	0	0
2014	1	433,454.00	1,528.79	0	0
2014	2	432,386.00	1,690.86	0	0
2014	3	411,725.00	1,532.96	0	0
2014	4	299,380.00	987.48	0	0
2014	5	167,370.00	521.29	0	0
2014	6	97,630.00	101.29	0	0
2014	7	59,242.00	18.57	0	0
2014	8	56,690.00	10.63	0	0
2014	9	58,888.00	79.56	0	0

2014	10	63,303.00	329.90	0	0
2014	11	107,482.00	719.53	0	0
2014	12	266,438.00	1,286.02	0	0
2015	1	211,068.00	1,392.51	0	0
2015	2	355,694.00	1,379.90	0	0
2015	3	335,648.00	1,422.39	0	0
2015	4	208,054.00	789.88	0	0
2015	5	109,303.00	388.70	0	0
2015	6	66,427.00	147.02	0	0
2015	7	56,343.00	17.85	0	0
2015	8		13.57	0	1
2015	9		66.55	0	1
2015	10		294.38	0	1
2015	11		646.54	0	1
2015	12		1,120.75	0	1
2016	1		1,473.50	0	1
2016	2		1,440.92	0	1
2016	3		1,224.29	0	1
2016	4		844.25	0	1
2016	5		431.03	0	1
2016	6		156.63	0	1
2016	7		24.19	0	1
2016	8		13.57	0	1
2016	9		66.55	0	1
2016	10		294.38	0	1
2016	11		646.54	0	1
2016	12		1,120.75	0	1
2017	1		1,473.50	0	1
2017	2		1,440.92	0	1
2017	3		1,224.29	0	1
2017	4		844.25	0	1
2017	5		431.03	0	1
2017	6		156.63	0	1
2017	7		24.19	0	1
2017	8		13.57	0	1
2017	9		66.55	0	1
2017	10		294.38	0	1
2017	11		646.54	0	1
2017	12		1,120.75	0	1
2018	1		1,473.50	0	1
2018	2		1,440.92	0	1
2018	3		1,224.29	0	1
2018	4		844.25	0	1
2018	5		431.03	0	1
2018	6		156.63	0	1
2018	7		24.19	0	1
2018	8		13.57	0	1

2018	9	66.55	0	1
2018	10	294.38	0	1
2018	11	646.54	0	1
2018	12	1,120.75	0	1
2019	1	1,473.50	0	1
2019	2	1,440.92	0	1
2019	3	1,224.29	0	1
2019	4	844.25	0	1
2019	5	431.03	0	1
2019	6	156.63	0	1
2019	7	24.19	0	1
2019	8	13.57	0	1
2019	9	66.55	0	1
2019	10	294.38	0	1
2019	11	646.54	0	1
2019	12	1,120.75	0	1
2020	1	1,473.50	0	1
2020	2	1,440.92	0	1
2020	3	1,224.29	0	1
2020	4	844.25	0	1
2020	5	431.03	0	1
2020	6	156.63	0	1
2020	7	24.19	0	1
2020	8	13.57	0	1
2020	9	66.55	0	1
2020	10	294.38	0	1
2020	11	646.54	0	1
2020	12	1,120.75	0	1
2021	1	1,473.50	0	1
2021	2	1,440.92	0	1
2021	3	1,224.29	0	1
2021	4	844.25	0	1
2021	5	431.03	0	1
2021	6	156.63	0	1
2021	7	24.19	0	1
2021	8	13.57	0	1
2021	9	66.55	0	1
2021	10	294.38	0	1
2021	11	646.54	0	1
2021	12	1,120.75	0	1
2022	1	1,473.50	0	1
2022	2	1,440.92	0	1
2022	3	1,224.29	0	1
2022	4	844.25	0	1
2022	5	431.03	0	1
2022	6	156.63	0	1
2022	7	24.19	0	1

2022	8	13.57	0	1
2022	9	66.55	0	1
2022	10	294.38	0	1
2022	11	646.54	0	1
2022	12	1,120.75	0	1
2023	1	1,473.50	0	1
2023	2	1,440.92	0	1
2023	3	1,224.29	0	1
2023	4	844.25	0	1
2023	5	431.03	0	1
2023	6	156.63	0	1
2023	7	24.19	0	1
2023	8	13.57	0	1
2023	9	66.55	0	1
2023	10	294.38	0	1
2023	11	646.54	0	1
2023	12	1,120.75	0	1
2024	1	1,473.50	0	1
2024	2	1,440.92	0	1
2024	3	1,224.29	0	1
2024	4	844.25	0	1
2024	5	431.03	0	1
2024	6	156.63	0	1
2024	7	24.19	0	1
2024	8	13.57	0	1
2024	9	66.55	0	1
2024	10	294.38	0	1
2024	11	646.54	0	1
2024	12	1,120.75	0	1
2025	1	1,473.50	0	1
2025	2	1,440.92	0	1
2025	3	1,224.29	0	1
2025	4	844.25	0	1
2025	5	431.03	0	1
2025	6	156.63	0	1
2025	7	24.19	0	1
2025	8	13.57	0	1
2025	9	66.55	0	1
2025	10	294.38	0	1
2025	11	646.54	0	1
2025	12	1,120.75	0	1
2026	1	1,473.50	0	1
2026	2	1,440.92	0	1
2026	3	1,224.29	0	1
2026	4	844.25	0	1
2026	5	431.03	0	1
2026	6	156.63	0	1

2026	7	24.19	0	1
2026	8	13.57	0	1
2026	9	66.55	0	1
2026	10	294.38	0	1
2026	11	646.54	0	1
2026	12	1,120.75	0	1
2027	1	1,473.50	0	1
2027	2	1,440.92	0	1
2027	3	1,224.29	0	1
2027	4	844.25	0	1
2027	5	431.03	0	1
2027	6	156.63	0	1
2027	7	24.19	0	1
2027	8	13.57	0	1
2027	9	66.55	0	1
2027	10	294.38	0	1
2027	11	646.54	0	1
2027	12	1,120.75	0	1
2028	1	1,473.50	0	1
2028	2	1,440.92	0	1
2028	3	1,224.29	0	1
2028	4	844.25	0	1
2028	5	431.03	0	1
2028	6	156.63	0	1
2028	7	24.19	0	1
2028	8	13.57	0	1
2028	9	66.55	0	1
2028	10	294.38	0	1
2028	11	646.54	0	1
2028	12	1,120.75	0	1
2029	1	1,473.50	0	1
2029	2	1,440.92	0	1
2029	3	1,224.29	0	1
2029	4	844.25	0	1
2029	5	431.03	0	1
2029	6	156.63	0	1
2029	7	24.19	0	1
2029	8	13.57	0	1
2029	9	66.55	0	1
2029	10	294.38	0	1
2029	11	646.54	0	1
2029	12	1,120.75	0	1
2030	1	1,473.50	0	1
2030	2	1,440.92	0	1
2030	3	1,224.29	0	1
2030	4	844.25	0	1
2030	5	431.03	0	1

2030	6	156.63	0	1
2030	7	24.19	0	1
2030	8	13.57	0	1
2030	9	66.55	0	1
2030	10	294.38	0	1
2030	11	646.54	0	1
2030	12	1,120.75	0	1

Variable	Count	Mean	StdDev	Min	Max	Skewness	Kurtosis	Jarque-Bera	Probability	CorrYX	Units	Definition
IntSales	96	237,632.688	168,793.079	54,131.000	602,129.000	0.697	2.140	10.7	4.71E-03	1.000		
HDD65	96	644.635	566.947	0.696	1,690.855	0.386	1.642	9.8	7.58E-03	0.910		

	IntSales	HDD65
IntSales	1.000	0.910
HDD65	0.910	1.000

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
mWthrRev.HDD65	275.335	21.699	12.689	0.00%		
AR(1)	0.276	0.109	2.523	1.36%		
SAR(1)	0.600	0.087	6.933	0.00%		

Model Statistics	
Iterations	19
Adjusted Observations	83
Deg. of Freedom for Error	80
R-Squared	0.896
Adjusted R-Squared	0.893
AIC	21.866
BIC	21.954
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-1,022.22
Model Sum of Squares	2,086,984,683,842.38
Sum of Squared Errors	242,153,701,749.28
Mean Squared Error	3,026,921,271.87
Std. Error of Regression	55,017.46
Mean Abs. Dev. (MAD)	37,356.64
Mean Abs. % Err. (MAPE)	19.50%
Durbin-Watson Statistic	2.076
Durbin-H Statistic	#NA
Ljung-Box Statistic	34.28
Prob (Ljung-Box)	0.0797
Skewness	0.568
Kurtosis	5.671
Jarque-Bera	29.134
Prob (Jarque-Bera)	0.0000

Forecast Statistics	
Forecast Observations	7
Mean Abs. Dev. (MAD)	44,833.22
Mean Abs. % Err. (MAPE)	25.28%
Avg. Forecast Error	-25,208.94
Mean % Error	-9.81%
Root Mean-Square Error	68,828.99
Theil's Inequality Coefficient	0.1441
-- Bias Proportion	13.41%
-- Variance Proportion	9.68%
-- Covariance Proportion	76.91%

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2007	1	416,650.000				
2007	2	558,865.000				
2007	3	465,152.000				
2007	4	308,254.000				
2007	5	203,877.000				
2007	6	176,633.000				
2007	7	122,014.000				
2007	8	110,540.000				
2007	9	145,822.000				
2007	10	216,520.000				
2007	11	227,777.000				
2007	12	456,362.000				
2008	1	530,270.000				
2008	2	580,393.000	512222.5614	68170.43862	0.117455653	1.239069097
2008	3	549,185.000	477678.7591	71506.24091	0.130204286	1.299700796
2008	4	376,914.000	332143.7539	44770.24614	0.118781064	0.813746099
2008	5	216,769.000	218105.8842	-1336.884161	-0.006167322	-0.024299269
2008	6	185,480.000	137735.7043	47744.29574	0.257409401	0.867802564
2008	7	103,935.000	88864.26874	15070.73126	0.145001503	0.27392632
2008	8	88,582.000	74397.29211	14184.70789	0.160130815	0.257821917
2008	9	100,218.000	106095.3164	-5877.316424	-0.058645317	-0.10682638
2008	10	144,061.000	163405.0192	-19344.01919	-0.134276586	-0.351597802
2008	11	196,381.000	202961.3784	-6580.378418	-0.033508223	-0.119605267
2008	12	503,668.000	409838.3386	93829.66145	0.18629268	1.705452338
2009	1	602,129.000	528139.4037	73989.59627	0.122879975	1.34483838
2009	2	555,907.000	535675.9514	20231.04856	0.036392865	0.36772049
2009	3	448,623.000	446914.3395	1708.660506	0.003808678	0.031056694
2009	4	388,833.000	311749.9265	77083.0735	0.198242108	1.401065568
2009	5	190,050.000	185532.799	4517.201032	0.023768487	0.082104858
2009	6	125,587.000	141274.313	-15687.31298	-0.124911917	-0.285133338
2009	7	74,579.000	71169.05039	3409.949611	0.045722651	0.061979404
2009	8	67,411.000	61770.27962	5640.720384	0.083676557	0.102525999
2009	9	82,056.000	68135.87782	13920.12218	0.169641735	0.253012795
2009	10	183,905.000	152193.4936	31711.50635	0.172434172	0.57638983
2009	11	229,829.000	206304.596	23524.40398	0.102356117	0.427580673
2009	12	378,016.000	380899.176	-2883.175974	-0.007627127	-0.052404742
2010	1	571,921.000	552456.5942	19464.40579	0.034033382	0.353785955
2010	2	561,658.000	484963.9577	76694.0423	0.136549363	1.393994518
2010	3	517,824.000	429741.2589	88082.74114	0.170101697	1.600996044
2010	4	283,136.000	291531.8682	-8395.868186	-0.029653128	-0.152603695
2010	5	145,597.000	148933.3017	-3336.301678	-0.022914632	-0.060640776
2010	6	142,015.000	74785.33194	67229.66806	0.47339836	1.221969607
2010	7	124,818.000	58827.19772	65990.80228	0.5286962	1.199451924
2010	8	94,258.000	58931.91174	35326.08826	0.374780796	0.642088641
2010	9	73,345.000	74637.62912	-1292.629121	-0.017623957	-0.023494888
2010	10	93,011.000	123025.4222	-30014.42224	-0.322697554	-0.54554355

2010	11	138,739.000	179003.4841	-40264.48414	-0.290217489	-0.731849157
2010	12	424,063.000	393306.7487	30756.25132	0.072527552	0.55902707
2011	1	560,579.000	456359.0157	104219.9843	0.185914892	1.894307334
2011	2	518,409.000	537330.5496	-18921.54965	-0.036499269	-0.343918976
2011	3	450,002.000	444062.866	5939.133966	0.013198017	0.107949978
2011	4	303,373.000	311495.3395	-8122.339469	-0.026773442	-0.147632024
2011	5	169,201.000	165696.5366	3504.463446	0.020711836	0.063697292
2011	6	104,473.000	105559.5157	-1086.515673	-0.010399966	-0.01974856
2011	7	66,925.000	80980.02609	-14055.02609	-0.210011596	-0.255464815
2011	8	70,354.000	52637.15699	17716.84301	0.251824246	0.322022171
2011	9	60,297.000	56621.59102	3675.408984	0.060955089	0.066804406
2011	10	79,055.000	85262.65366	-6207.653659	-0.078523226	-0.112830605
2011	11	129,726.000	150188.333	-20462.33305	-0.157735019	-0.371924327
2011	12	241,910.000	320068.1912	-78158.19119	-0.323087889	-1.420606957
2012	1	335,378.000	453877.2486	-118499.2486	-0.353330417	-2.153847914
2012	2	329,370.000	358575.8654	-29205.86536	-0.088671905	-0.530847182
2012	3	286,435.000	302697.6937	-16262.69371	-0.05677621	-0.295591485
2012	4	100,742.000	148645.196	-47903.19598	-0.475503722	-0.870690742
2012	5	85,651.000	93397.25077	-7746.250772	-0.0904397	-0.140796218
2012	6	62,698.000	54930.48081	7767.519194	0.12388783	0.141182794
2012	7	64,299.000	37182.93258	27116.06742	0.421718338	0.492862916
2012	8	57,561.000	52104.36631	5456.633691	0.09479741	0.09918003
2012	9	60,040.000	42559.96633	17480.03367	0.291139801	0.317717914
2012	10	67,282.000	94011.11804	-26729.11804	-0.397269969	-0.485829706
2012	11	132,738.000	138525.6973	-5787.697255	-0.043602414	-0.105197457
2012	12	210,598.000	232424.4038	-21826.40379	-0.103640129	-0.396717741
2013	1	308,009.000	407503.6292	-99494.62916	-0.323025071	-1.808419057
2013	2	417,888.000	350755.2928	67132.70721	0.160647607	1.220207242
2013	3	316,721.000	378674.4854	-61953.48537	-0.195609023	-1.126069463
2013	4	168,017.000	279130.7544	-111113.7544	-0.661324476	-2.019608824
2013	5	343,267.000	116452.9029	226814.0971	0.660751243	4.122583691
2013	6	95,552.000	127447.4719	-31895.47189	-0.333802243	-0.579733596
2013	7	68,687.000	47310.98063	21376.01937	0.311209099	0.388531533
2013	8	56,449.000	47588.08711	8860.912891	0.156972008	0.161056369
2013	9	54,131.000	44031.36267	10099.63733	0.186577697	0.183571483
2013	10	67,231.000	57236.8503	9994.149704	0.14865389	0.181654135
2013	11	150,836.000	184231.0805	-33395.08047	-0.221399934	-0.606990552
2013	12	283,234.000	315133.644	-31899.64395	-0.112626464	-0.579809428
2014	1	433,454.000	333743.5725	99710.42753	0.23003693	1.812341418
2014	2	432,386.000	512181.0146	-79795.01465	-0.184545787	-1.450357937
2014	3	411,725.000	388582.2451	23142.75495	0.056209254	0.420643802
2014	4	299,380.000	191976.2466	107403.7534	0.358753936	1.952175671
2014	5	167,370.000	287584.0145	-120214.0145	-0.718253059	-2.185015579
2014	6	97,630.000	31057.55609	66572.44391	0.681885116	1.21002387
2014	7	59,242.000	55640.80988	3601.190124	0.060787788	0.065455401
2014	8	56,690.000	36796.02901	19893.97099	0.350925578	0.361593752
2014	9	58,888.000	53356.5568	5531.443203	0.093931585	0.100539772

2014	10	63,303.000	97435.24827	-34132.24827	-0.539188479	-0.620389349
2014	11	107,482.000	161046.3703	-53564.37034	-0.498356658	-0.973588513
2014	12	266,438.000	296028.4559	-29590.4559	-0.111059443	-0.537837518
2015	1	211,068.000	378014.8621	-166946.8621	-0.790962449	-3.034434014
2015	2	355,694.000	310348.7369	45345.26315	0.127483914	0.824197635
2015	3	335,648.000	384223.0414	-48575.04139	-0.144720187	-0.882902236
2015	4	208,054.000	220231.0035	-12177.00349	-0.058528091	-0.221329788
2015	5	109,303.000	114168.9971	-4865.997127	-0.044518422	-0.088444593
2015	6	66,427.000	79009.64231	-12582.64231	-0.189420602	-0.228702698
2015	7	56,343.000	33003.26632	23339.73368	0.414243716	0.424224097
2015	8		41233.03233			
2015	9		41960.94442			
2015	10		64930.28814			
2015	11		123736.9909			
2015	12		256014.5844			
2016	1		302292.4971			
2016	2		382191.1455			
2016	3		303493.2881			
2016	4		226794.6809			
2016	5		120045.8968			
2016	6		58696.46453			
2016	7		37524.40962			
2016	8		26237.96682			
2016	9		32508.02489			
2016	10		71377.35632			
2016	11		145442.1133			
2016	12		277036.1371			
2017	1		343646.961			
2017	2		388007.3532			
2017	3		316928.2416			
2017	4		229057.0857			
2017	5		119498.8176			
2017	6		52469.58194			
2017	7		25182.60819			
2017	8		17239.29843			
2017	9		26835.24656			
2017	10		75246.29711			
2017	11		158467.5432			
2017	12		289651.3511			
2018	1		368464.1292			
2018	2		391497.7093			
2018	3		324990.6723			
2018	4		230414.7743			
2018	5		119170.5107			
2018	6		48732.77632			
2018	7		17776.18736			
2018	8		11839.12039			

2018	9	23430.96366
2018	10	77568.08165
2018	11	166284.2154
2018	12	297221.8491
2019	1	383357.1246
2019	2	393592.3019
2019	3	329829.0061
2019	4	231229.5348
2019	5	118973.4909
2019	6	46490.28724
2019	7	13331.53073
2019	8	8598.427256
2019	9	21388.02431
2019	10	78961.40446
2019	11	170975.0674
2019	12	301764.9699
2020	1	392294.5388
2020	2	394849.2849
2020	3	332732.5317
2020	4	231718.4796
2020	5	118855.2576
2020	6	45144.55032
2020	7	10664.25418
2020	8	6653.659527
2020	9	20162.03889
2020	10	79797.54941
2020	11	173790.0878
2020	12	304491.3356
2021	1	397657.9577
2021	2	395603.6111
2021	3	334474.9623
2021	4	232011.8995
2021	5	118784.3048
2021	6	44336.96206
2021	7	9063.598661
2021	8	5486.587741
2021	9	19426.31453
2021	10	80299.32717
2021	11	175479.4058
2021	12	306127.451
2022	1	400876.5914
2022	2	396056.2888
2022	3	335520.6099
2022	4	232187.9833
2022	5	118741.7254
2022	6	43852.32142
2022	7	8103.031563

2022	8	4786.217959
2022	9	18984.80004
2022	10	80600.44831
2022	11	176493.1799
2022	12	307109.2979
2023	1	402808.121
2023	2	396327.9445
2023	3	336148.1119
2023	4	232293.6527
2023	5	118716.1732
2023	6	43561.48441
2023	7	7526.587013
2023	8	4365.920048
2023	9	18719.84341
2023	10	80781.15368
2023	11	177101.5545
2023	12	307698.5127
2024	1	403967.2485
2024	2	396490.9675
2024	3	336524.6813
2024	4	232357.0659
2024	5	118700.839
2024	6	43386.95064
2024	7	7180.657697
2024	8	4113.69567
2024	9	18560.84066
2024	10	80889.59652
2024	11	177466.6453
2024	12	308052.1055
2025	1	404662.8509
2025	2	396588.7989
2025	3	336750.6638
2025	4	232395.1206
2025	5	118691.6369
2025	6	43282.21142
2025	7	6973.062549
2025	8	3962.333658
2025	9	18465.42175
2025	10	80954.674
2025	11	177685.7394
2025	12	308264.2996
2026	1	405080.2878
2026	2	396647.5084
2026	3	336886.2778
2026	4	232417.9576
2026	5	118686.1146
2026	6	43219.35652

2026	7	6848.482921
2026	8	3871.500017
2026	9	18408.16004
2026	10	80993.72756
2026	11	177817.2197
2026	12	308391.6391
2027	1	405330.7953
2027	2	396682.7405
2027	3	336967.661
2027	4	232431.6623
2027	5	118682.8006
2027	6	43181.63675
2027	7	6773.721619
2027	8	3816.98997
2027	9	18373.7968
2027	10	81017.16393
2027	11	177896.1221
2027	12	308468.0566
2028	1	405481.127
2028	2	396703.8836
2028	3	337016.4997
2028	4	232439.8866
2028	5	118680.8119
2028	6	43159.0008
2028	7	6728.85672
2028	8	3784.278024
2028	9	18353.17512
2028	10	81031.2283
2028	11	177943.4721
2028	12	308513.9154
2029	1	405571.3423
2029	2	396716.5717
2029	3	337045.8082
2029	4	232444.822
2029	5	118679.6184
2029	6	43145.41677
2029	7	6701.93291
2029	8	3764.647305
2029	9	18340.79988
2029	10	81039.66844
2029	11	177971.8873
2029	12	308541.4356
2030	1	405625.4813
2030	2	396724.186
2030	3	337063.3965
2030	4	232447.7839
2030	5	118678.9022

2030	6	43137.26487
2030	7	6685.775701
2030	8	3752.866742
2030	9	18333.37339
2030	10	81044.73345
2030	11	177988.9395
2030	12	308557.9508

Variable	Coefficient	Mean	Elast	Units	Definition
HDD65	275.335	644.635	0.747		

Year	Month	Pred	HDD65	ARMA	X-Missing
2007	1		374,640.219		0.000
2007	2		447,917.171		0.000
2007	3		344,500.670		0.000
2007	4		216,655.276		0.000
2007	5		88,535.670		0.000
2007	6		22,265.419		0.000
2007	7		1,669.218		0.000
2007	8		1,540.155		0.000
2007	9		15,559.866		0.000
2007	10		49,103.118		0.000
2007	11		153,522.746		0.000
2007	12		338,626.983		0.000
2008	1		428,718.869		0.000
2008	2	512,222.561	424,553.854	87,668.707	0.000
2008	3	477,678.759	380,618.578	97,060.181	0.000
2008	4	332,143.754	250,611.132	81,532.622	0.000
2008	5	218,105.884	129,183.711	88,922.173	0.000
2008	6	137,735.704	40,024.522	97,711.182	0.000
2008	7	88,864.269	2,054.113	86,810.155	0.000
2008	8	74,397.292	792.162	73,605.131	0.000
2008	9	106,095.316	21,742.282	84,353.034	0.000
2008	10	163,405.019	62,852.656	100,552.363	0.000
2008	11	202,961.378	163,721.037	39,240.341	0.000
2008	12	409,838.339	342,471.920	67,366.418	0.000
2009	1	528,139.404	442,186.763	85,952.641	0.000
2009	2	535,675.951	414,808.145	120,867.807	0.000
2009	3	446,914.339	332,613.358	114,300.981	0.000
2009	4	311,749.926	231,851.994	79,897.932	0.000
2009	5	185,532.799	110,545.830	74,986.969	0.000
2009	6	141,274.313	46,542.503	94,731.810	0.000
2009	7	71,169.050	12,306.898	58,862.152	0.000
2009	8	61,770.280	8,774.007	52,996.273	0.000
2009	9	68,135.878	19,397.346	48,738.531	0.000
2009	10	152,193.494	99,160.157	53,033.337	0.000
2009	11	206,304.596	176,757.573	29,547.023	0.000
2009	12	380,899.176	274,917.920	105,981.256	0.000
2010	1	552,456.594	454,716.223	97,740.371	0.000
2010	2	484,963.958	394,427.050	90,536.908	0.000
2010	3	429,741.259	337,317.945	92,423.314	0.000
2010	4	291,531.868	166,695.178	124,836.690	0.000
2010	5	148,933.302	95,080.037	53,853.264	0.000
2010	6	74,785.332	26,574.984	48,210.348	0.000
2010	7	58,827.198	2,671.896	56,155.302	0.000
2010	8	58,931.912	325.239	58,606.672	0.000
2010	9	74,637.629	20,808.438	53,829.191	0.000
2010	10	123,025.422	68,043.867	54,981.555	0.000

2010	11	179,003.484	154,306.303	24,697.181	0.000
2010	12	393,306.749	344,534.638	48,772.111	0.000
2011	1	456,359.016	381,145.580	75,213.435	0.000
2011	2	537,330.550	406,837.198	130,493.351	0.000
2011	3	444,062.866	332,641.640	111,421.226	0.000
2011	4	311,495.339	239,121.834	72,373.505	0.000
2011	5	165,696.537	136,934.963	28,761.573	0.000
2011	6	105,559.516	35,744.211	69,815.305	0.000
2011	7	80,980.026	7,830.411	73,149.615	0.000
2011	8	52,637.157	191.587	52,445.570	0.000
2011	9	56,621.591	21,283.964	35,337.627	0.000
2011	10	85,262.654	68,211.936	17,050.717	0.000
2011	11	150,188.333	160,673.997	-10,485.664	0.000
2011	12	320,068.191	278,310.849	41,757.342	0.000
2012	1	453,877.249	369,436.389	84,440.860	0.000
2012	2	358,575.865	330,773.627	27,802.238	0.000
2012	3	302,697.694	251,151.826	51,545.868	0.000
2012	4	148,645.196	119,796.012	28,849.184	0.000
2012	5	93,397.251	89,948.482	3,448.768	0.000
2012	6	54,930.481	20,221.630	34,708.850	0.000
2012	7	37,182.933	1,379.543	35,803.390	0.000
2012	8	52,104.366	2,414.917	49,689.449	0.000
2012	9	42,559.966	15,545.525	27,014.441	0.000
2012	10	94,011.118	81,680.404	12,330.714	0.000
2012	11	138,525.697	162,872.661	-24,346.964	0.000
2012	12	232,424.404	257,462.832	-25,038.428	0.000
2013	1	407,503.629	434,853.859	-27,350.230	0.000
2013	2	350,755.293	380,990.705	-30,235.412	0.000
2013	3	378,674.485	347,075.750	31,598.735	0.000
2013	4	279,130.754	304,799.195	-25,668.440	0.000
2013	5	116,452.903	153,657.270	-37,204.367	0.000
2013	6	127,447.472	48,867.821	78,579.650	0.000
2013	7	47,310.981	3,698.024	43,612.957	0.000
2013	8	47,588.087	6,972.444	40,615.643	0.000
2013	9	44,031.363	12,804.314	31,227.049	0.000
2013	10	57,236.850	61,837.474	-4,600.623	0.000
2013	11	184,231.080	198,438.433	-14,207.352	0.000
2013	12	315,133.644	351,411.633	-36,277.989	0.000
2014	1	333,743.572	420,928.473	-87,184.901	0.000
2014	2	512,181.015	465,551.456	46,629.559	0.000
2014	3	388,582.245	422,076.345	-33,494.100	0.000
2014	4	191,976.247	271,887.882	-79,911.635	0.000
2014	5	287,584.014	143,528.799	144,055.216	0.000
2014	6	31,057.556	27,887.987	3,169.569	0.000
2014	7	55,640.810	5,114.071	50,526.739	0.000
2014	8	36,796.029	2,925.984	33,870.045	0.000
2014	9	53,356.557	21,906.336	31,450.221	0.000

2014	10	97,435.248	90,833.684	6,601.564	0.000
2014	11	161,046.370	198,112.023	-37,065.653	0.000
2014	12	296,028.456	354,086.512	-58,058.056	0.000
2015	1	378,014.862	383,407.893	-5,393.031	0.000
2015	2	310,348.737	379,934.267	-69,585.531	0.000
2015	3	384,223.041	391,633.111	-7,410.070	0.000
2015	4	220,231.003	217,481.836	2,749.168	0.000
2015	5	114,168.997	107,023.379	7,145.619	0.000
2015	6	79,009.642	40,479.330	38,530.313	0.000
2015	7	33,003.266	4,914.178	28,089.088	0.000
2015	8	41,233.032	3,735.188	37,497.844	0.000
2015	9	41,960.944	18,322.229	23,638.716	0.000
2015	10	64,930.288	81,052.334	-16,122.046	0.000
2015	11	123,736.991	178,014.529	-54,277.538	0.000
2015	12	256,014.584	308,582.735	-52,568.150	0.000
2016	1	302,292.497	405,706.727	-103,414.229	0.000
2016	2	382,191.146	396,735.613	-14,544.467	0.000
2016	3	303,493.288	337,089.791	-33,596.503	0.000
2016	4	226,794.681	232,452.229	-5,657.548	0.000
2016	5	120,045.897	118,677.827	1,368.069	0.000
2016	6	58,696.465	43,125.032	15,571.433	0.000
2016	7	37,524.410	6,661.529	30,862.881	0.000
2016	8	26,237.967	3,735.188	22,502.779	0.000
2016	9	32,508.025	18,322.229	14,185.796	0.000
2016	10	71,377.356	81,052.334	-9,674.978	0.000
2016	11	145,442.113	178,014.529	-32,572.416	0.000
2016	12	277,036.137	308,582.735	-31,546.598	0.000
2017	1	343,646.961	405,706.727	-62,059.766	0.000
2017	2	388,007.353	396,735.613	-8,728.259	0.000
2017	3	316,928.242	337,089.791	-20,161.549	0.000
2017	4	229,057.086	232,452.229	-3,395.143	0.000
2017	5	119,498.818	118,677.827	820.990	0.000
2017	6	52,469.582	43,125.032	9,344.550	0.000
2017	7	25,182.608	6,661.529	18,521.079	0.000
2017	8	17,239.298	3,735.188	13,504.111	0.000
2017	9	26,835.247	18,322.229	8,513.018	0.000
2017	10	75,246.297	81,052.334	-5,806.037	0.000
2017	11	158,467.543	178,014.529	-19,546.986	0.000
2017	12	289,651.351	308,582.735	-18,931.384	0.000
2018	1	368,464.129	405,706.727	-37,242.597	0.000
2018	2	391,497.709	396,735.613	-5,237.903	0.000
2018	3	324,990.672	337,089.791	-12,099.119	0.000
2018	4	230,414.774	232,452.229	-2,037.454	0.000
2018	5	119,170.511	118,677.827	492.683	0.000
2018	6	48,732.776	43,125.032	5,607.745	0.000
2018	7	17,776.187	6,661.529	11,114.658	0.000
2018	8	11,839.120	3,735.188	8,103.932	0.000

2018	9	23,430.964	18,322.229	5,108.735	0.000
2018	10	77,568.082	81,052.334	-3,484.253	0.000
2018	11	166,284.215	178,014.529	-11,730.314	0.000
2018	12	297,221.849	308,582.735	-11,360.886	0.000
2019	1	383,357.125	405,706.727	-22,349.602	0.000
2019	2	393,592.302	396,735.613	-3,143.311	0.000
2019	3	329,829.006	337,089.791	-7,260.785	0.000
2019	4	231,229.535	232,452.229	-1,222.694	0.000
2019	5	118,973.491	118,677.827	295.663	0.000
2019	6	46,490.287	43,125.032	3,365.256	0.000
2019	7	13,331.531	6,661.529	6,670.002	0.000
2019	8	8,598.427	3,735.188	4,863.239	0.000
2019	9	21,388.024	18,322.229	3,065.796	0.000
2019	10	78,961.404	81,052.334	-2,090.930	0.000
2019	11	170,975.067	178,014.529	-7,039.462	0.000
2019	12	301,764.970	308,582.735	-6,817.765	0.000
2020	1	392,294.539	405,706.727	-13,412.188	0.000
2020	2	394,849.285	396,735.613	-1,886.328	0.000
2020	3	332,732.532	337,089.791	-4,357.259	0.000
2020	4	231,718.480	232,452.229	-733.749	0.000
2020	5	118,855.258	118,677.827	177.430	0.000
2020	6	45,144.550	43,125.032	2,019.519	0.000
2020	7	10,664.254	6,661.529	4,002.725	0.000
2020	8	6,653.660	3,735.188	2,918.472	0.000
2020	9	20,162.039	18,322.229	1,839.810	0.000
2020	10	79,797.549	81,052.334	-1,254.785	0.000
2020	11	173,790.088	178,014.529	-4,224.441	0.000
2020	12	304,491.336	308,582.735	-4,091.399	0.000
2021	1	397,657.958	405,706.727	-8,048.769	0.000
2021	2	395,603.611	396,735.613	-1,132.001	0.000
2021	3	334,474.962	337,089.791	-2,614.829	0.000
2021	4	232,011.900	232,452.229	-440.329	0.000
2021	5	118,784.305	118,677.827	106.477	0.000
2021	6	44,336.962	43,125.032	1,211.931	0.000
2021	7	9,063.599	6,661.529	2,402.070	0.000
2021	8	5,486.588	3,735.188	1,751.400	0.000
2021	9	19,426.315	18,322.229	1,104.086	0.000
2021	10	80,299.327	81,052.334	-753.007	0.000
2021	11	175,479.406	178,014.529	-2,535.124	0.000
2021	12	306,127.451	308,582.735	-2,455.284	0.000
2022	1	400,876.591	405,706.727	-4,830.135	0.000
2022	2	396,056.289	396,735.613	-679.324	0.000
2022	3	335,520.610	337,089.791	-1,569.181	0.000
2022	4	232,187.983	232,452.229	-264.245	0.000
2022	5	118,741.725	118,677.827	63.898	0.000
2022	6	43,852.321	43,125.032	727.290	0.000
2022	7	8,103.032	6,661.529	1,441.503	0.000

2022	8	4,786.218	3,735.188	1,051.030	0.000
2022	9	18,984.800	18,322.229	662.571	0.000
2022	10	80,600.448	81,052.334	-451.886	0.000
2022	11	176,493.180	178,014.529	-1,521.349	0.000
2022	12	307,109.298	308,582.735	-1,473.437	0.000
2023	1	402,808.121	405,706.727	-2,898.606	0.000
2023	2	396,327.945	396,735.613	-407.668	0.000
2023	3	336,148.112	337,089.791	-941.679	0.000
2023	4	232,293.653	232,452.229	-158.576	0.000
2023	5	118,716.173	118,677.827	38.346	0.000
2023	6	43,561.484	43,125.032	436.453	0.000
2023	7	7,526.587	6,661.529	865.058	0.000
2023	8	4,365.920	3,735.188	630.732	0.000
2023	9	18,719.843	18,322.229	397.615	0.000
2023	10	80,781.154	81,052.334	-271.181	0.000
2023	11	177,101.555	178,014.529	-912.975	0.000
2023	12	307,698.513	308,582.735	-884.222	0.000
2024	1	403,967.249	405,706.727	-1,739.478	0.000
2024	2	396,490.967	396,735.613	-244.645	0.000
2024	3	336,524.681	337,089.791	-565.110	0.000
2024	4	232,357.066	232,452.229	-95.163	0.000
2024	5	118,700.839	118,677.827	23.012	0.000
2024	6	43,386.951	43,125.032	261.919	0.000
2024	7	7,180.658	6,661.529	519.129	0.000
2024	8	4,113.696	3,735.188	378.508	0.000
2024	9	18,560.841	18,322.229	238.612	0.000
2024	10	80,889.597	81,052.334	-162.738	0.000
2024	11	177,466.645	178,014.529	-547.884	0.000
2024	12	308,052.105	308,582.735	-530.629	0.000
2025	1	404,662.851	405,706.727	-1,043.876	0.000
2025	2	396,588.799	396,735.613	-146.814	0.000
2025	3	336,750.664	337,089.791	-339.127	0.000
2025	4	232,395.121	232,452.229	-57.108	0.000
2025	5	118,691.637	118,677.827	13.809	0.000
2025	6	43,282.211	43,125.032	157.180	0.000
2025	7	6,973.063	6,661.529	311.534	0.000
2025	8	3,962.334	3,735.188	227.146	0.000
2025	9	18,465.422	18,322.229	143.193	0.000
2025	10	80,954.674	81,052.334	-97.660	0.000
2025	11	177,685.739	178,014.529	-328.790	0.000
2025	12	308,264.300	308,582.735	-318.435	0.000
2026	1	405,080.288	405,706.727	-626.439	0.000
2026	2	396,647.508	396,735.613	-88.104	0.000
2026	3	336,886.278	337,089.791	-203.513	0.000
2026	4	232,417.958	232,452.229	-34.271	0.000
2026	5	118,686.115	118,677.827	8.287	0.000
2026	6	43,219.357	43,125.032	94.325	0.000

2026	7	6,848.483	6,661.529	186.954	0.000
2026	8	3,871.500	3,735.188	136.312	0.000
2026	9	18,408.160	18,322.229	85.931	0.000
2026	10	80,993.728	81,052.334	-58.607	0.000
2026	11	177,817.220	178,014.529	-197.310	0.000
2026	12	308,391.639	308,582.735	-191.096	0.000
2027	1	405,330.795	405,706.727	-375.931	0.000
2027	2	396,682.740	396,735.613	-52.872	0.000
2027	3	336,967.661	337,089.791	-122.130	0.000
2027	4	232,431.662	232,452.229	-20.566	0.000
2027	5	118,682.801	118,677.827	4.973	0.000
2027	6	43,181.637	43,125.032	56.605	0.000
2027	7	6,773.722	6,661.529	112.193	0.000
2027	8	3,816.990	3,735.188	81.802	0.000
2027	9	18,373.797	18,322.229	51.568	0.000
2027	10	81,017.164	81,052.334	-35.170	0.000
2027	11	177,896.122	178,014.529	-118.407	0.000
2027	12	308,468.057	308,582.735	-114.678	0.000
2028	1	405,481.127	405,706.727	-225.600	0.000
2028	2	396,703.884	396,735.613	-31.729	0.000
2028	3	337,016.500	337,089.791	-73.291	0.000
2028	4	232,439.887	232,452.229	-12.342	0.000
2028	5	118,680.812	118,677.827	2.984	0.000
2028	6	43,159.001	43,125.032	33.969	0.000
2028	7	6,728.857	6,661.529	67.328	0.000
2028	8	3,784.278	3,735.188	49.090	0.000
2028	9	18,353.175	18,322.229	30.947	0.000
2028	10	81,031.228	81,052.334	-21.106	0.000
2028	11	177,943.472	178,014.529	-71.057	0.000
2028	12	308,513.915	308,582.735	-68.819	0.000
2029	1	405,571.342	405,706.727	-135.384	0.000
2029	2	396,716.572	396,735.613	-19.041	0.000
2029	3	337,045.808	337,089.791	-43.983	0.000
2029	4	232,444.822	232,452.229	-7.407	0.000
2029	5	118,679.618	118,677.827	1.791	0.000
2029	6	43,145.417	43,125.032	20.385	0.000
2029	7	6,701.933	6,661.529	40.404	0.000
2029	8	3,764.647	3,735.188	29.459	0.000
2029	9	18,340.800	18,322.229	18.571	0.000
2029	10	81,039.668	81,052.334	-12.666	0.000
2029	11	177,971.887	178,014.529	-42.642	0.000
2029	12	308,541.436	308,582.735	-41.299	0.000
2030	1	405,625.481	405,706.727	-81.245	0.000
2030	2	396,724.186	396,735.613	-11.427	0.000
2030	3	337,063.397	337,089.791	-26.394	0.000
2030	4	232,447.784	232,452.229	-4.445	0.000
2030	5	118,678.902	118,677.827	1.075	0.000

2030	6	43,137.265	43,125.032	12.233	0.000
2030	7	6,685.776	6,661.529	24.247	0.000
2030	8	3,752.867	3,735.188	17.679	0.000
2030	9	18,333.373	18,322.229	11.145	0.000
2030	10	81,044.733	81,052.334	-7.601	0.000
2030	11	177,988.939	178,014.529	-25.590	0.000
2030	12	308,557.951	308,582.735	-24.784	0.000

Year	Month	Actual	Pred	Upper	Lower	Sigma
2007	1	416,650.000				
2007	2	558,865.000				
2007	3	465,152.000				
2007	4	308,254.000				
2007	5	203,877.000				
2007	6	176,633.000				
2007	7	122,014.000				
2007	8	110,540.000				
2007	9	145,822.000				
2007	10	216,520.000				
2007	11	227,777.000				
2007	12	456,362.000				
2008	1	530,270.000				
2008	2	580,393.000	512222.5614	640367.1892	384077.9336	64392.9073
2008	3	549,185.000	477678.7591	602381.9799	352975.5383	62663.59403
2008	4	376,914.000	332143.7539	448472.1704	215815.3373	58455.23976
2008	5	216,769.000	218105.8842	329451.8299	106759.9384	55951.53918
2008	6	185,480.000	137735.7043	247402.6019	28068.8066	55107.81447
2008	7	103,935.000	88864.26874	198351.8378	-20623.30028	55017.7015
2008	8	88,582.000	74397.29211	183884.4577	-35089.87343	55017.49876
2008	9	100,218.000	106095.3164	215635.5005	-3444.867701	55044.14069
2008	10	144,061.000	163405.0192	273334.9778	53475.06057	55240.00308
2008	11	196,381.000	202961.3784	315419.1605	90503.59631	56510.23895
2008	12	503,668.000	409838.3386	531790.8097	287885.8674	61281.33737
2009	1	602,129.000	528139.4037	657742.5477	398536.2598	65125.81429
2009	2	555,907.000	535675.9514	663033.0586	408318.8443	63997.17674
2009	3	448,623.000	446914.3395	568193.7646	325634.9143	60943.13054
2009	4	388,833.000	311749.9265	427117.502	196382.351	57972.41541
2009	5	190,050.000	185532.799	296384.1239	74681.47404	55702.99131
2009	6	125,587.000	141274.313	251004.4704	31544.15551	55139.60264
2009	7	74,579.000	71169.05039	180673.1578	-38335.05699	55026.01206
2009	8	67,411.000	61770.27962	171266.0219	-47725.46271	55021.8086
2009	9	82,056.000	68135.87782	177665.2301	-41393.47446	55038.69767
2009	10	183,905.000	152193.4936	262779.5953	41607.39196	55569.71616
2009	11	229,829.000	206304.596	319246.7638	93362.42825	56753.64362
2009	12	378,016.000	380899.176	498570.3644	263227.9876	59129.98505
2010	1	571,921.000	552456.5942	683121.7993	421791.3891	65659.50196
2010	2	561,658.000	484963.9577	610718.249	359209.6664	63191.75887
2010	3	517,824.000	429741.2589	551339.8793	308142.6384	61103.52676
2010	4	283,136.000	291531.8682	404097.0713	178966.6651	56564.21819
2010	5	145,597.000	148933.3017	259431.2279	38435.37544	55525.40783
2010	6	142,015.000	74785.33194	184351.7299	-34781.06598	55057.31317
2010	7	124,818.000	58827.19772	168315.0947	-50660.69927	55017.86631
2010	8	94,258.000	58931.91174	168419.0187	-50555.1952	55017.46931
2010	9	73,345.000	74637.62912	184173.3518	-34898.09351	55041.89878
2010	10	93,011.000	123025.4222	233031.3774	13019.4671	55278.19146

2010	11	138,739.000	179003.4841	291133.3373	66873.63095	56345.45408
2010	12	424,063.000	393306.7487	515402.0496	271211.4477	61353.1096
2011	1	560,579.000	456359.0157	581101.8232	331616.2082	62683.48642
2011	2	518,409.000	537330.5496	664053.6169	410607.4824	63678.57056
2011	3	450,002.000	444062.866	565344.1991	322781.5329	60944.08929
2011	4	303,373.000	311495.3395	427227.3462	195763.3328	58155.54274
2011	5	169,201.000	165696.5366	277270.0928	54122.98032	56065.91385
2011	6	104,473.000	105559.5157	215190.0365	-4071.005154	55089.53504
2011	7	66,925.000	80980.02609	190474.0085	-28513.95637	55020.92427
2011	8	70,354.000	52637.15699	162124.2562	-56849.94219	55017.46541
2011	9	60,297.000	56621.59102	166159.5611	-52916.37902	55043.02811
2011	10	79,055.000	85262.65366	195271.1691	-24745.86174	55279.478
2011	11	129,726.000	150188.333	262537.9631	37838.70299	56455.89235
2011	12	241,910.000	320068.1912	437935.4043	202200.978	59228.48784
2012	1	335,378.000	453877.2486	577750.5175	330003.9798	62246.54167
2012	2	329,370.000	358575.8654	479731.4625	237420.2682	60880.90672
2012	3	286,435.000	302697.6937	419054.7899	186340.5975	58469.65134
2012	4	100,742.000	148645.196	259732.6682	37557.72379	55821.65574
2012	5	85,651.000	93397.25077	203789.4455	-16994.94396	55472.27756
2012	6	62,698.000	54930.48081	164463.5	-54602.53843	55040.54032
2012	7	64,299.000	37182.93258	146670.2414	-72304.37626	55017.57076
2012	8	57,561.000	52104.36631	161592.1165	-57383.38384	55017.79252
2012	9	60,040.000	42559.96633	152074.2043	-66954.27168	55031.10272
2012	10	67,282.000	94011.11804	204245.1038	-16222.86776	55392.77729
2012	11	132,738.000	138525.6973	250953.1734	26098.22111	56495.01015
2012	12	210,598.000	232424.4038	349120.2863	115728.5213	58639.89208
2013	1	308,009.000	407503.6292	536495.0296	278512.2287	64818.41206
2013	2	417,888.000	350755.2928	475486.4621	226024.1235	62677.63822
2013	3	316,721.000	378674.4854	500946.6892	256402.2815	61442.00362
2013	4	168,017.000	279130.7544	398598.7644	159662.7445	60032.89113
2013	5	343,267.000	116452.9029	228560.8306	4344.975313	56334.43645
2013	6	95,552.000	127447.4719	237202.493	17692.45073	55152.09669
2013	7	68,687.000	47310.98063	156799.6118	-62177.65059	55018.23526
2013	8	56,449.000	47588.08711	157080.643	-61904.46879	55020.20742
2013	9	54,131.000	44031.36267	153536.8729	-65474.14758	55026.717
2013	10	67,231.000	57236.8503	167152.646	-52678.94545	55232.88621
2013	11	150,836.000	184231.0805	298055.6136	70406.54729	57197.03384
2013	12	283,234.000	315133.644	437710.0984	192557.1895	61594.8901
2014	1	433,454.000	333743.5725	461593.6766	205893.4683	64244.90862
2014	2	432,386.000	512181.0146	643781.419	380580.6103	66129.44125
2014	3	411,725.000	388582.2451	516525.4015	260639.0886	64291.66759
2014	4	299,380.000	191976.2466	309474.1368	74478.35641	59042.90239
2014	5	167,370.000	287584.0145	399361.2376	175806.7913	56168.25684
2014	6	97,630.000	31057.55609	140631.9807	-78516.86854	55061.3466
2014	7	59,242.000	55640.80988	165130.8428	-53849.22302	55018.9396
2014	8	56,690.000	36796.02901	146284.0858	-72692.02775	55017.94659
2014	9	58,888.000	53356.5568	162897.5449	-56184.43131	55044.54469

2014	10	63,303.000	97435.24827	207845.2704	-12974.77384	55481.23585
2014	11	107,482.000	161046.3703	274856.9168	47235.82386	57190.00549
2014	12	266,438.000	296028.4559	418794.1102	173262.8016	61689.9634
2015	1	211,068.000	378014.8621	502928.086	253101.6382	62769.12098
2015	2	355,694.000	310348.7369	438617.2059	182080.2678	64455.13774
2015	3	335,648.000	384223.0414	513624.072	254822.0108	65024.25199
2015	4	208,054.000	220231.0035	339145.6072	101316.3998	59754.8035
2015	5	109,303.000	114168.9971	229318.482	-980.4877355	57862.82446
2015	6	66,427.000	79009.64231	193106.0872	-35086.80259	57333.66997
2015	7	56,343.000	33003.26632	146925.5646	-80919.03197	57246.16098
2015	8		41233.03233	155154.2305	-72688.16584	57245.60817
2015	9		41960.94442	155916.8734	-71994.98456	57263.06047
2015	10		64930.28814	179557.0294	-49696.45313	57600.14485
2015	11		123736.9909	241027.9727	6446.009194	58938.93051
2015	12		256014.5844	379788.4213	132240.7475	62196.57695
2016	1		302292.4971	448386.4775	156198.5167	73412.48944
2016	2		382191.1455	528805.5797	235576.7113	73674.01842
2016	3		303493.2881	446476.8541	160509.7221	71849.50059
2016	4		226794.6809	364563.7309	89025.63099	69229.19683
2016	5		120045.8968	254201.7472	-14109.95354	67413.5575
2016	6		58696.46453	191726.9342	-74334.00519	66848.05169
2016	7		37524.40962	170386.9416	-95338.12233	66763.66266
2016	8		26237.96682	159097.6827	-106621.749	66762.24756
2016	9		32508.02489	165397.522	-100381.4722	66777.21271
2016	10		71377.35632	204842.5372	-62087.82456	67066.49484
2016	11		145442.1133	281202.3397	9681.886803	68219.7594
2016	12		277036.1371	418434.961	135637.3132	71053.16479
2017	1		343646.961	496142.1227	191151.7992	76629.09465
2017	2		388007.3532	540310.7778	235703.9286	76532.7464
2017	3		316928.2416	465685.6182	168170.865	74750.85085
2017	4		229057.0857	372805.271	85308.90048	72233.72314
2017	5		119498.8176	259787.5491	-20789.91388	70495.34136
2017	6		52469.58194	191682.4934	-86743.32954	69954.73986
2017	7		25182.60819	164235.0469	-113869.8305	69874.10199
2017	8		17239.29843	156289.0462	-121810.4494	69872.74981
2017	9		26835.24656	165913.4501	-112242.957	69887.04889
2017	10		75246.29711	214874.6709	-64382.07667	70163.51042
2017	11		158467.5432	300291.2625	16643.82394	71266.67551
2017	12		289651.3511	436881.6321	142421.07	73983.48257
2018	1		368464.1292	523199.7094	213728.5491	77754.90896
2018	2		391497.7093	545798.55	237196.8686	77536.45158
2018	3		324990.6723	475773.2346	174208.1101	75768.51029
2018	4		230414.7743	376256.2045	84573.34407	73285.58251
2018	5		119170.5107	261603.2192	-23262.19782	71572.69369
2018	6		48732.77632	190105.9719	-92640.41922	71040.28651
2018	7		17776.18736	158991.3643	-123438.9896	70960.88188
2018	8		11839.12039	153051.6476	-129373.4068	70959.55039

2018	9	23430.96366	164671.5109	-117809.5836	70973.63051
2018	10	77568.08165	219350.4087	-64214.24535	71245.87581
2018	11	166284.2154	310229.041	22339.38973	72332.5353
2018	12	297221.8491	446496.4321	147947.2661	75010.74801
2019	1	383357.1246	538891.6436	227822.6056	78156.37718
2019	2	393592.3019	548606.1693	238578.4345	77894.74881
2019	3	329829.0061	481334.2692	178323.743	76131.66879
2019	4	231229.5348	377817.4854	84641.58417	73660.71037
2019	5	118973.4909	262170.449	-24223.46722	71956.73049
2019	6	46490.28724	188633.4258	-95652.85135	71427.18429
2019	7	13331.53073	155317.5074	-128654.4459	71348.21012
2019	8	8598.427256	150581.7685	-133384.914	71346.88584
2019	9	21388.02431	163399.2335	-120623.1849	71360.88953
2019	10	78961.40446	221511.4644	-63588.65553	71631.66303
2019	11	170975.0674	315676.153	26273.98172	72712.55731
2019	12	301764.9699	451768.9448	151760.995	75377.26876
2020	1	392294.5388	548115.7767	236473.301	78300.45391
2020	2	394849.2849	550119.1329	239579.4368	78023.37952
2020	3	332732.5317	484497.2184	180967.845	76262.02963
2020	4	231718.4796	378574.3454	84862.61372	73795.33825
2020	5	118855.2576	262326.4481	-24615.93288	72094.53276
2020	6	45144.55032	187563.9493	-97274.84866	71566.00563
2020	7	10664.25418	152926.7963	-131598.2879	71487.18478
2020	8	6653.659527	148913.5714	-135606.2524	71485.86308
2020	9	20162.03889	162449.7645	-122125.6868	71499.83955
2020	10	79797.54941	222623.0826	-63027.98378	71770.08881
2020	11	173790.0878	318762.5594	28817.61627	72848.92923
2020	12	304491.3356	454757.1195	154225.5517	75508.82826
2021	1	397657.9577	553582.3226	241733.5929	78352.27542
2021	2	395603.6111	550965.5422	240241.68	78069.65144
2021	3	334474.9623	486332.9668	182616.9578	76308.92197
2021	4	232011.8995	378964.1301	85059.66891	73843.76172
2021	5	118784.3048	262354.1264	-24785.51679	72144.09507
2021	6	44336.96206	186855.7196	-98181.79551	71615.9335
2021	7	9063.598661	151425.6088	-133298.4115	71537.16765
2021	8	5486.587741	147845.9695	-136872.794	71535.84686
2021	9	19426.31453	161813.4906	-122960.8616	71549.81357
2021	10	80299.32717	223223.9366	-62625.28224	71819.87479
2021	11	175479.4058	320549.4873	30409.32423	72897.97842
2021	12	306127.451	456487.4087	155767.4934	75556.15072
2022	1	400876.5914	556838.0787	244915.104	78370.92953
2022	2	396056.2888	551451.3684	240661.2091	78086.30864
2022	3	335520.6099	487412.2069	183629.0129	76325.80227
2022	4	232187.9833	379174.9023	85201.06434	73861.1927
2022	5	118741.7254	262347.0505	-24863.59963	72161.93562
2022	6	43852.32142	186406.8441	-98702.20123	71633.90552
2022	7	8103.031563	150500.8462	-134294.783	71555.15944

2022	8	4786.217959	147181.4048	-137608.9689	71553.83899
2022	9	18984.80004	161407.7742	-123438.1742	71567.80218
2022	10	80600.44831	223560.7212	-62359.82464	71837.79578
2022	11	176493.1799	321598.3977	31387.96217	72915.63443
2022	12	307109.2979	457503.1559	156715.4399	75573.18572
2023	1	402808.121	558782.9751	246833.2669	78377.64635
2023	2	396327.9445	551734.9602	240920.9288	78092.30653
2023	3	336148.1119	488051.8048	184244.4191	76331.88047
2023	4	232293.6527	379293.0621	85294.24342	73867.46912
2023	5	118716.1732	262334.2819	-24901.9356	72168.35947
2023	6	43561.48441	186128.8849	-99005.91612	71640.37668
2023	7	7526.587013	149937.2937	-134884.1196	71561.63772
2023	8	4365.920048	146773.9992	-138042.1591	71560.31739
2023	9	18719.84341	161155.7074	-123716.0206	71574.27932
2023	10	80781.15368	223754.268	-62191.9606	71844.24857
2023	11	177101.5545	322219.4238	31983.6852	72921.99185
2023	12	307698.5127	458104.5774	157292.448	75579.3196
2024	1	403967.2485	559946.9161	247987.5809	78380.06514
2024	2	396490.9675	551902.2815	241079.6534	78094.46644
2024	3	336524.6813	488432.73	184616.6326	76334.06929
2024	4	232357.0659	379360.9731	85353.15865	73869.72932
2024	5	118700.839	262323.5513	-24921.87326	72170.67275
2024	6	43386.95064	185958.9886	-99185.08733	71642.707
2024	7	7180.657697	149596.0069	-135234.6915	71563.9706
2024	8	4113.69567	146526.4174	-138299.0261	71562.65031
2024	9	18560.84066	161001.3463	-123879.665	71576.61179
2024	10	80889.59652	223867.3351	-62088.14203	71846.57228
2024	11	177466.6453	322589.0705	32344.22007	72924.28121
2024	12	308052.1055	458462.5659	157641.6451	75581.52847
2025	1	404662.8509	560644.2519	248681.4498	78380.9362
2025	2	396588.7989	552001.6609	241175.937	78095.24428
2025	3	336750.6638	488660.2811	184841.0464	76334.85753
2025	4	232395.1206	379400.6476	85389.59361	73870.54327
2025	5	118691.6369	262316.007	-24932.73323	72171.50581
2025	6	43282.21142	185855.9194	-99291.49659	71643.5462
2025	7	6973.062549	149390.0836	-135443.9585	71564.81072
2025	8	3962.333658	146376.7273	-138452.06	71563.49045
2025	9	18465.42175	160907.599	-123976.7555	71577.45176
2025	10	80954.674	223934.0779	-62024.72985	71847.4091
2025	11	177685.7394	322809.8053	32561.67349	72925.10567
2025	12	308264.2996	458676.343	157852.2561	75582.32394
2026	1	405080.2878	561062.3131	249098.2625	78381.24989
2026	2	396647.5084	552060.9278	241234.089	78095.5244
2026	3	336886.2778	488796.4601	184976.0956	76335.1414
2026	4	232417.9576	379424.068	85411.84727	73870.83639
2026	5	118686.1146	262311.0818	-24938.85254	72171.80582
2026	6	43219.35652	185793.666	-99354.95292	71643.84842

2026	7	6848.482921	149266.1061	-135569.1402	71565.11328
2026	8	3871.500017	146286.4958	-138543.4957	71563.79301
2026	9	18408.16004	160850.9393	-124034.6192	71577.75426
2026	10	80993.72756	223973.7311	-61986.27602	71847.71046
2026	11	177817.2197	322941.8765	32692.56288	72925.40257
2026	12	308391.6391	458804.2526	157979.0255	75582.6104
2027	1	405330.7953	561313.0454	249348.5452	78381.36286
2027	2	396682.7405	552096.3606	241269.1203	78095.62528
2027	3	336967.661	488878.0467	185057.2753	76335.24363
2027	4	232431.6623	379437.9827	85425.34186	73870.94196
2027	5	118682.8006	262307.9828	-24942.38152	72171.91386
2027	6	43181.63675	185756.1628	-99392.88928	71643.95726
2027	7	6773.721619	149191.5616	-135644.1184	71565.22223
2027	8	3816.98997	146232.2026	-138598.2226	71563.90197
2027	9	18373.7968	160816.7928	-124069.1992	71577.8632
2027	10	81017.16393	223997.3835	-61963.05563	71847.81899
2027	11	177896.1221	323020.9917	32771.25253	72925.5095
2027	12	308468.0566	458880.8754	158055.2377	75582.71357
2028	1	405481.127	561463.458	249498.7959	78381.40355
2028	2	396703.8836	552117.576	241290.1911	78095.66161
2028	3	337016.4997	488926.9587	185106.0407	76335.28045
2028	4	232439.8866	379446.2827	85433.4905	73870.97997
2028	5	118680.8119	262306.0715	-24944.44769	72171.95277
2028	6	43159.0008	185733.6048	-99415.60323	71643.99645
2028	7	6728.85672	149146.7748	-135689.0613	71565.26147
2028	8	3784.278024	146199.5687	-138631.0127	71563.94121
2028	9	18353.17512	160796.2492	-124089.899	71577.90243
2028	10	81031.2283	224011.5256	-61949.06904	71847.85807
2028	11	177943.4721	323068.4183	32818.52592	72925.54801
2028	12	308513.9154	458926.8082	158101.0226	75582.75072
2029	1	405571.3423	561553.7025	249588.9821	78381.4182
2029	2	396716.5717	552130.2902	241302.8532	78095.67469
2029	3	337045.8082	488956.2936	185135.3229	76335.29371
2029	4	232444.822	379451.2454	85438.39872	73870.99366
2029	5	118679.6184	262304.9059	-24945.66904	72171.96679
2029	6	43145.41677	185720.0489	-99429.21536	71644.01057
2029	7	6701.93291	149119.8791	-135716.0133	71565.2756
2029	8	3764.647305	146179.9661	-138650.6715	71563.95534
2029	9	18340.79988	160783.9021	-124102.3024	71577.91656
2029	10	81039.66844	224019.9938	-61940.6569	71847.87215
2029	11	177971.8873	323096.8611	32846.91348	72925.56187
2029	12	308541.4356	458954.355	158128.5162	75582.7641
2030	1	405625.4813	561607.852	249643.1106	78381.42347
2030	2	396724.186	552137.9138	241310.4581	78095.6794
2030	3	337063.3965	488973.8914	185152.9017	76335.29848
2030	4	232447.7839	379454.217	85441.35073	73870.99859
2030	5	118678.9022	262304.1998	-24946.39529	72171.97183

2030	6	43137.26487	185711.9071	-99437.37737	71644.01565
2030	7	6685.775701	149103.732	-135732.1806	71565.28069
2030	8	3752.866742	146168.1957	-138662.4622	71563.96043
2030	9	18333.37339	160776.4857	-124109.739	71577.92165
2030	10	81044.73345	224025.0689	-61935.60198	71847.87722
2030	11	177988.9395	323113.9232	32863.95572	72925.56687
2030	12	308557.9508	458970.8798	158145.0218	75582.76892

Year	Month	Transport	HDD65	GSP	XMissing	YMissing
2007	1	2,763,756.00	1,360.67	9.57	0	0
2007	2	3,013,038.00	1,626.81	9.54	0	0
2007	3	3,024,986.00	1,251.21	9.55	0	0
2007	4	2,747,087.00	786.88	9.58	0	0
2007	5	3,120,211.00	321.56	9.60	0	0
2007	6	2,524,535.00	80.87	9.60	0	0
2007	7	3,262,070.00	6.06	9.59	0	0
2007	8	4,526,097.00	5.59	9.60	0	0
2007	9	3,610,282.00	56.51	9.65	0	0
2007	10	3,068,374.00	178.34	9.72	0	0
2007	11	3,393,931.00	557.59	9.75	0	0
2007	12	3,231,723.00	1,229.87	9.73	0	0
2008	1	3,609,022.00	1,557.08	9.68	0	0
2008	2	2,998,756.00	1,541.95	9.64	0	0
2008	3	3,050,380.00	1,382.38	9.65	0	0
2008	4	2,820,824.00	910.20	9.70	0	0
2008	5	2,324,752.00	469.19	9.76	0	0
2008	6	1,995,674.00	145.37	9.81	0	0
2008	7	2,573,386.00	7.46	9.84	0	0
2008	8	3,426,266.00	2.88	9.82	0	0
2008	9	3,162,851.00	78.97	9.75	0	0
2008	10	3,205,940.00	228.28	9.65	0	0
2008	11	2,875,557.00	594.63	9.56	0	0
2008	12	2,738,509.00	1,243.84	9.51	0	0
2009	1	3,975,241.00	1,606.00	9.50	0	0
2009	2	3,060,872.00	1,506.56	9.51	0	0
2009	3	2,534,790.00	1,208.03	9.53	0	0
2009	4	2,769,402.00	842.07	9.56	0	0
2009	5	2,619,914.00	401.50	9.57	0	0
2009	6	2,887,062.00	169.04	9.56	0	0
2009	7	3,038,832.00	44.70	9.55	0	0
2009	8	3,591,520.00	31.87	9.56	0	0
2009	9	3,639,190.00	70.45	9.59	0	0
2009	10	4,749,590.00	360.14	9.64	0	0
2009	11	3,342,350.00	641.97	9.67	0	0
2009	12	3,005,420.00	998.49	9.67	0	0
2010	1	3,232,930.00	1,651.50	9.65	0	0
2010	2	3,448,630.00	1,432.54	9.65	0	0
2010	3	3,048,944.00	1,225.12	9.68	0	0
2010	4	2,749,556.00	605.43	9.72	0	0
2010	5	2,638,701.00	345.33	9.76	0	0
2010	6	2,951,439.00	96.52	9.79	0	0
2010	7	3,328,147.00	9.70	9.80	0	0
2010	8	3,721,859.00	1.18	9.81	0	0
2010	9	4,135,554.00	75.58	9.83	0	0
2010	10	3,224,038.00	247.13	9.84	0	0

2010	11	3,321,644.00	560.43	9.83	0	0
2010	12	3,307,851.00	1,251.33	9.78	0	0
2011	1	3,499,324.00	1,384.30	9.73	0	0
2011	2	3,691,057.00	1,477.61	9.70	0	0
2011	3	3,033,611.00	1,208.13	9.73	0	0
2011	4	3,053,451.00	868.48	9.78	0	0
2011	5	2,508,477.00	497.34	9.83	0	0
2011	6	2,757,203.00	129.82	9.85	0	0
2011	7	2,999,885.00	28.44	9.85	0	0
2011	8	3,892,809.00	0.70	9.86	0	0
2011	9	4,182,558.00	77.30	9.90	0	0
2011	10	3,294,466.00	247.74	9.95	0	0
2011	11	3,058,399.00	583.56	10.00	0	0
2011	12	2,834,692.00	1,010.81	10.04	0	0
2012	1	3,000,516.00	1,341.77	10.06	0	0
2012	2	3,459,534.00	1,201.35	10.06	0	0
2012	3	3,115,322.00	912.17	10.06	0	0
2012	4	3,232,107.00	435.09	10.07	0	0
2012	5	2,986,658.00	326.69	10.08	0	0
2012	6	3,553,187.00	73.44	10.11	0	0
2012	7	3,789,371.00	5.01	10.14	0	0
2012	8	5,133,849.00	8.77	10.16	0	0
2012	9	3,654,169.00	56.46	10.17	0	0
2012	10	3,219,576.00	296.66	10.17	0	0
2012	11	3,514,412.00	591.54	10.17	0	0
2012	12	2,870,730.00	935.09	10.19	0	0
2013	1	3,146,785.00	1,579.36	10.21	0	0
2013	2	3,352,432.00	1,383.74	10.22	0	0
2013	3	2,891,927.00	1,260.56	10.21	0	0
2013	4	2,917,092.00	1,107.01	10.20	0	0
2013	5	2,603,075.00	558.07	10.18	0	0
2013	6	2,767,773.00	177.49	10.19	0	0
2013	7	2,794,478.00	13.43	10.21	0	0
2013	8	3,479,469.00	25.32	10.24	0	0
2013	9	3,527,338.00	46.50	10.27	0	0
2013	10	3,802,021.00	224.59	10.29	0	0
2013	11	3,574,057.00	720.72	10.29	0	0
2013	12	3,531,199.00	1,276.31	10.24	0	0
2014	1	4,022,692.00	1,528.79	10.18	0	0
2014	2	3,622,138.00	1,690.86	10.15	0	0
2014	3	3,843,232.00	1,532.96	10.15	0	0
2014	4	3,588,074.00	987.48	10.18	0	0
2014	5	2,971,369.00	521.29	10.24	0	0
2014	6	3,004,701.00	101.29	10.29	0	0
2014	7	3,428,294.00	18.57	10.34	0	0
2014	8	3,759,367.00	10.63	10.38	0	0
2014	9	3,947,767.00	79.56	10.41	0	0

2014	10	3,445,507.00	329.90	10.41	0	0
2014	11	3,752,000.00	719.53	10.40	0	0
2014	12	3,728,483.00	1,286.02	10.38	0	0
2015	1	3,598,450.00	1,392.51	10.35	0	0
2015	2	3,831,378.00	1,379.90	10.34	0	0
2015	3	3,930,601.00	1,422.39	10.36	0	0
2015	4	3,483,894.00	789.88	10.40	0	0
2015	5	2,803,611.00	388.70	10.45	0	0
2015	6	3,197,304.00	147.02	10.49	0	0
2015	7	4,104,568.00	17.85	10.52	0	0
2015	8		13.57	10.56	0	1
2015	9		66.55	10.59	0	1
2015	10		294.38	10.63	0	1
2015	11		646.54	10.67	0	1
2015	12		1,120.75	10.71	0	1
2016	1		1,473.50	10.75	0	1
2016	2		1,440.92	10.78	0	1
2016	3		1,224.29	10.81	0	1
2016	4		844.25	10.85	0	1
2016	5		431.03	10.88	0	1
2016	6		156.63	10.92	0	1
2016	7		24.19	10.95	0	1
2016	8		13.57	10.98	0	1
2016	9		66.55	11.01	0	1
2016	10		294.38	11.05	0	1
2016	11		646.54	11.08	0	1
2016	12		1,120.75	11.11	0	1
2017	1		1,473.50	11.14	0	1
2017	2		1,440.92	11.17	0	1
2017	3		1,224.29	11.20	0	1
2017	4		844.25	11.23	0	1
2017	5		431.03	11.26	0	1
2017	6		156.63	11.29	0	1
2017	7		24.19	11.32	0	1
2017	8		13.57	11.35	0	1
2017	9		66.55	11.38	0	1
2017	10		294.38	11.40	0	1
2017	11		646.54	11.43	0	1
2017	12		1,120.75	11.46	0	1
2018	1		1,473.50	11.49	0	1
2018	2		1,440.92	11.52	0	1
2018	3		1,224.29	11.54	0	1
2018	4		844.25	11.57	0	1
2018	5		431.03	11.59	0	1
2018	6		156.63	11.62	0	1
2018	7		24.19	11.64	0	1
2018	8		13.57	11.67	0	1

2018	9	66.55	11.69	0	1
2018	10	294.38	11.71	0	1
2018	11	646.54	11.73	0	1
2018	12	1,120.75	11.75	0	1
2019	1	1,473.50	11.77	0	1
2019	2	1,440.92	11.79	0	1
2019	3	1,224.29	11.81	0	1
2019	4	844.25	11.82	0	1
2019	5	431.03	11.84	0	1
2019	6	156.63	11.86	0	1
2019	7	24.19	11.88	0	1
2019	8	13.57	11.89	0	1
2019	9	66.55	11.91	0	1
2019	10	294.38	11.92	0	1
2019	11	646.54	11.94	0	1
2019	12	1,120.75	11.96	0	1
2020	1	1,473.50	11.97	0	1
2020	2	1,440.92	11.99	0	1
2020	3	1,224.29	12.00	0	1
2020	4	844.25	12.02	0	1
2020	5	431.03	12.03	0	1
2020	6	156.63	12.05	0	1
2020	7	24.19	12.06	0	1
2020	8	13.57	12.08	0	1
2020	9	66.55	12.10	0	1
2020	10	294.38	12.12	0	1
2020	11	646.54	12.13	0	1
2020	12	1,120.75	12.15	0	1
2021	1	1,473.50	12.17	0	1
2021	2	1,440.92	12.18	0	1
2021	3	1,224.29	12.20	0	1
2021	4	844.25	12.22	0	1
2021	5	431.03	12.24	0	1
2021	6	156.63	12.25	0	1
2021	7	24.19	12.27	0	1
2021	8	13.57	12.29	0	1
2021	9	66.55	12.31	0	1
2021	10	294.38	12.33	0	1
2021	11	646.54	12.35	0	1
2021	12	1,120.75	12.36	0	1
2022	1	1,473.50	12.38	0	1
2022	2	1,440.92	12.40	0	1
2022	3	1,224.29	12.42	0	1
2022	4	844.25	12.44	0	1
2022	5	431.03	12.46	0	1
2022	6	156.63	12.48	0	1
2022	7	24.19	12.50	0	1

2022	8	13.57	12.52	0	1
2022	9	66.55	12.54	0	1
2022	10	294.38	12.56	0	1
2022	11	646.54	12.58	0	1
2022	12	1,120.75	12.59	0	1
2023	1	1,473.50	12.61	0	1
2023	2	1,440.92	12.63	0	1
2023	3	1,224.29	12.65	0	1
2023	4	844.25	12.67	0	1
2023	5	431.03	12.69	0	1
2023	6	156.63	12.70	0	1
2023	7	24.19	12.72	0	1
2023	8	13.57	12.74	0	1
2023	9	66.55	12.76	0	1
2023	10	294.38	12.78	0	1
2023	11	646.54	12.80	0	1
2023	12	1,120.75	12.82	0	1
2024	1	1,473.50	12.84	0	1
2024	2	1,440.92	12.85	0	1
2024	3	1,224.29	12.87	0	1
2024	4	844.25	12.89	0	1
2024	5	431.03	12.91	0	1
2024	6	156.63	12.93	0	1
2024	7	24.19	12.95	0	1
2024	8	13.57	12.97	0	1
2024	9	66.55	12.99	0	1
2024	10	294.38	13.01	0	1
2024	11	646.54	13.03	0	1
2024	12	1,120.75	13.05	0	1
2025	1	1,473.50	13.07	0	1
2025	2	1,440.92	13.08	0	1
2025	3	1,224.29	13.10	0	1
2025	4	844.25	13.12	0	1
2025	5	431.03	13.15	0	1
2025	6	156.63	13.17	0	1
2025	7	24.19	13.19	0	1
2025	8	13.57	13.21	0	1
2025	9	66.55	13.23	0	1
2025	10	294.38	13.25	0	1
2025	11	646.54	13.27	0	1
2025	12	1,120.75	13.29	0	1
2026	1	1,473.50	13.31	0	1
2026	2	1,440.92	13.33	0	1
2026	3	1,224.29	13.35	0	1
2026	4	844.25	13.37	0	1
2026	5	431.03	13.39	0	1
2026	6	156.63	13.41	0	1

2026	7	24.19	13.44	0	1
2026	8	13.57	13.46	0	1
2026	9	66.55	13.48	0	1
2026	10	294.38	13.50	0	1
2026	11	646.54	13.52	0	1
2026	12	1,120.75	13.55	0	1
2027	1	1,473.50	13.57	0	1
2027	2	1,440.92	13.59	0	1
2027	3	1,224.29	13.61	0	1
2027	4	844.25	13.64	0	1
2027	5	431.03	13.66	0	1
2027	6	156.63	13.68	0	1
2027	7	24.19	13.70	0	1
2027	8	13.57	13.73	0	1
2027	9	66.55	13.75	0	1
2027	10	294.38	13.77	0	1
2027	11	646.54	13.79	0	1
2027	12	1,120.75	13.82	0	1
2028	1	1,473.50	13.84	0	1
2028	2	1,440.92	13.86	0	1
2028	3	1,224.29	13.89	0	1
2028	4	844.25	13.91	0	1
2028	5	431.03	13.93	0	1
2028	6	156.63	13.96	0	1
2028	7	24.19	13.98	0	1
2028	8	13.57	14.01	0	1
2028	9	66.55	14.03	0	1
2028	10	294.38	14.05	0	1
2028	11	646.54	14.08	0	1
2028	12	1,120.75	14.10	0	1
2029	1	1,473.50	14.12	0	1
2029	2	1,440.92	14.15	0	1
2029	3	1,224.29	14.17	0	1
2029	4	844.25	14.19	0	1
2029	5	431.03	14.22	0	1
2029	6	156.63	14.24	0	1
2029	7	24.19	14.26	0	1
2029	8	13.57	14.29	0	1
2029	9	66.55	14.31	0	1
2029	10	294.38	14.34	0	1
2029	11	646.54	14.36	0	1
2029	12	1,120.75	14.39	0	1
2030	1	1,473.50	14.41	0	1
2030	2	1,440.92	14.43	0	1
2030	3	1,224.29	14.46	0	1
2030	4	844.25	14.48	0	1
2030	5	431.03	14.51	0	1

2030	6	156.63	14.53	0	1
2030	7	24.19	14.55	0	1
2030	8	13.57	14.58	0	1
2030	9	66.55	14.60	0	1
2030	10	294.38	14.63	0	1
2030	11	646.54	14.65	0	1
2030	12	1,120.75	14.68	0	1
2031	1		14.70	1	1
2031	2		14.72	1	1
2031	3		14.75	1	1
2031	4		14.77	1	1
2031	5		14.80	1	1
2031	6		14.82	1	1
2031	7		14.84	1	1
2031	8		14.87	1	1
2031	9		14.89	1	1
2031	10		14.92	1	1
2031	11		14.94	1	1
2031	12		14.97	1	1
2032	1		14.99	1	1
2032	2		15.02	1	1
2032	3		15.04	1	1
2032	4		15.07	1	1
2032	5		15.09	1	1
2032	6		15.12	1	1
2032	7		15.14	1	1
2032	8		15.17	1	1
2032	9		15.19	1	1
2032	10		15.22	1	1
2032	11		15.24	1	1
2032	12		15.27	1	1
2033	1		15.29	1	1
2033	2		15.32	1	1
2033	3		15.35	1	1
2033	4		15.37	1	1
2033	5		15.40	1	1
2033	6		15.42	1	1
2033	7		15.45	1	1
2033	8		15.48	1	1
2033	9		15.50	1	1
2033	10		15.53	1	1
2033	11		15.56	1	1
2033	12		15.59	1	1
2034	1		15.61	1	1
2034	2		15.64	1	1
2034	3		15.67	1	1
2034	4		15.70	1	1

2034	5	15.72	1	1
2034	6	15.75	1	1
2034	7	15.78	1	1
2034	8	15.81	1	1
2034	9	15.84	1	1
2034	10	15.86	1	1
2034	11	15.89	1	1
2034	12	15.92	1	1
2035	1	15.95	1	1
2035	2	15.98	1	1
2035	3	16.00	1	1
2035	4	16.03	1	1
2035	5	16.06	1	1
2035	6	16.09	1	1
2035	7	16.12	1	1
2035	8	16.15	1	1
2035	9	16.18	1	1
2035	10	16.20	1	1
2035	11	16.23	1	1
2035	12	16.26	1	1
2036	1	16.29	1	1
2036	2	16.32	1	1
2036	3	16.35	1	1
2036	4	16.38	1	1
2036	5	16.41	1	1
2036	6	16.43	1	1
2036	7	16.46	1	1
2036	8	16.49	1	1
2036	9	16.52	1	1
2036	10	16.55	1	1
2036	11	16.58	1	1
2036	12	16.61	1	1
2037	1	16.64	1	1
2037	2	16.66	1	1
2037	3	16.69	1	1
2037	4	16.72	1	1
2037	5	16.75	1	1
2037	6	16.78	1	1
2037	7	16.81	1	1
2037	8	16.84	1	1
2037	9	16.87	1	1
2037	10	16.90	1	1
2037	11	16.93	1	1
2037	12	16.96	1	1
2038	1	16.99	1	1
2038	2	17.02	1	1
2038	3	17.05	1	1

2038	4	17.08	1	1
2038	5	17.11	1	1
2038	6	17.14	1	1
2038	7	17.17	1	1
2038	8	17.20	1	1
2038	9	17.23	1	1
2038	10	17.26	1	1
2038	11	17.29	1	1
2038	12	17.32	1	1

Variable	Count	Mean	StdDev	Min	Max	Skewness	Kurtosis	Jarque-Bera	Probability	CorrYX	Units	Definition
Transport	96	3,262,792.875	508,136.013	1,995,674.000	5,133,849.000	0.745	4.526	18.2	1.12E-04	1.000		
HDD65	96	644.635	566.947	0.696	1,690.855	0.386	1.642	9.8	7.58E-03	-0.094		
GSP	96	9.894	0.276	9.499	10.413	0.303	1.690	8.3	1.54E-02	0.247		

	Transport	HDD65	GSP
Transport	1.000	-0.094	0.247
HDD65	-0.094	1.000	-0.124
GSP	0.247	-0.124	1.000

Variable	Coefficient	StdErr	T-Stat	P-Value	Units	Definition
mWthrRev.HDD65	8.910	122.464	0.073	94.22%		
Economics.GSP	330274.748	11484.768	28.758	0.00%		
AR(1)	0.450	0.094	4.802	0.00%		

Model Statistics	
Iterations	12
Adjusted Observations	95
Deg. of Freedom for Error	92
R-Squared	0.244
Adjusted R-Squared	0.228
AIC	26.050
BIC	26.131
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-1,369.18
Model Sum of Squares	5,924,568,623,137.68
Sum of Squared Errors	18,352,981,902,263.20
Mean Squared Error	199,488,933,720.25
Std. Error of Regression	446,641.84
Mean Abs. Dev. (MAD)	335,266.25
Mean Abs. % Err. (MAPE)	10.23%
Durbin-Watson Statistic	1.870
Durbin-H Statistic	#NA
Ljung-Box Statistic	51.54
Prob (Ljung-Box)	0.0009
Skewness	1.021
Kurtosis	4.737
Jarque-Bera	28.455
Prob (Jarque-Bera)	0.0000

Forecast Statistics	
Forecast Observations	7
Mean Abs. Dev. (MAD)	329,202.61
Mean Abs. % Err. (MAPE)	9.39%
Avg. Forecast Error	86,193.92
Mean % Error	1.08%
Root Mean-Square Error	422,730.87
Theil's Inequality Coefficient	0.0598
-- Bias Proportion	4.16%
-- Variance Proportion	38.17%
-- Covariance Proportion	57.67%

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2007	1	2,763,756.000				
2007	2	3,013,038.000	2980763.993	32274.00714	0.01071145	0.072259256
2007	3	3,024,986.000	3096188.424	-71202.42356	-0.0235381	-0.159417272
2007	4	2,747,087.000	3108218.298	-361131.2978	-0.131459724	-0.808547845
2007	5	3,120,211.000	2984036.144	136174.8558	0.043642836	0.304886026
2007	6	2,524,535.000	3146617.163	-622082.1627	-0.246414553	-1.392798673
2007	7	3,262,070.000	2875620.333	386449.6669	0.118467619	0.865233912
2007	8	4,526,097.000	3213406.537	1312690.463	0.290027028	2.939022599
2007	9	3,610,282.000	3798060.992	-187778.9917	-0.052012278	-0.420424095
2007	10	3,068,374.000	3401009.756	-332635.7557	-0.108407826	-0.744748309
2007	11	3,393,931.000	3161859.238	232071.7623	0.068378456	0.519592526
2007	12	3,231,723.000	3299795.706	-68072.70553	-0.021063905	-0.152410051
2008	1	3,609,022.000	3212751.838	396270.1625	0.109799874	0.887221318
2008	2	2,998,756.000	3376811.946	-378055.9458	-0.126070926	-0.846440955
2008	3	3,050,380.000	3109924.706	-59544.70572	-0.019520422	-0.133316453
2008	4	2,820,824.000	3143894.648	-323070.6476	-0.114530594	-0.723332698
2008	5	2,324,752.000	3052256.021	-727504.0214	-0.312938336	-1.628830878
2008	6	1,995,674.000	2836843.371	-841169.3713	-0.421496382	-1.883319687
2008	7	2,573,386.000	2689632.972	-116246.9722	-0.045172769	-0.260268881
2008	8	3,426,266.000	2939116	487150.0003	0.142181022	1.090694951
2008	9	3,162,851.000	3301827.128	-138976.128	-0.043940144	-0.31115788
2008	10	3,205,940.000	3162296.562	43643.4383	0.013613305	0.097714621
2008	11	2,875,557.000	3170087.957	-294530.9572	-0.102425706	-0.659434317
2008	12	2,738,509.000	3023173.479	-284664.4788	-0.10394871	-0.637343959
2009	1	3,975,241.000	2965709.938	1009531.062	0.253954681	2.260269796
2009	2	3,060,872.000	3525048.372	-464176.3716	-0.15164841	-1.039258595
2009	3	2,534,790.000	3117328.586	-582538.5857	-0.229817297	-1.304263356
2009	4	2,769,402.000	2882856.366	-113454.3659	-0.040967099	-0.25401643
2009	5	2,619,914.000	2986069.363	-366155.3633	-0.139758543	-0.819796378
2009	6	2,887,062.000	2914992.525	-27930.52526	-0.009674377	-0.062534502
2009	7	3,038,832.000	3032796.12	6035.879953	0.00198625	0.013513915
2009	8	3,591,520.000	3105346.416	486173.5839	0.135367082	1.088508822
2009	9	3,639,190.000	3364622.619	274567.3812	0.075447388	0.61473726
2009	10	4,749,590.000	3398206.223	1351383.777	0.284526407	3.025654235
2009	11	3,342,350.000	3901864.408	-559514.4081	-0.167401501	-1.252713824
2009	12	3,005,420.000	3266428.331	-261008.3313	-0.086845876	-0.584379491
2010	1	3,232,930.000	3114416.654	118513.3459	0.036658185	0.265343134
2010	2	3,448,630.000	3213587.318	235042.6819	0.068155378	0.526244208
2010	3	3,048,944.000	3318651.566	-269707.5663	-0.088459337	-0.603856473
2010	4	2,749,556.000	3145287.866	-395731.8656	-0.143925734	-0.886016109
2010	5	2,638,701.000	3018149.27	-379448.2702	-0.143801162	-0.849558272
2010	6	2,951,439.000	2968993.93	-17554.92965	-0.005947922	-0.039304266
2010	7	3,328,147.000	3110147.146	217999.8541	0.065501871	0.488086503
2010	8	3,721,859.000	3281862.026	439996.9742	0.118219678	0.985122607
2010	9	4,135,554.000	3463420.1	672133.9002	0.162525722	1.50486103
2010	10	3,224,038.000	3651489.721	-427451.7215	-0.132582718	-0.957034659

2010	11	3,321,644.000	3237641.503	84002.49741	0.025289434	0.188075746
2010	12	3,307,851.000	3273412.346	34438.65438	0.010411187	0.077105751
2011	1	3,499,324.000	3254966.673	244357.3271	0.069829866	0.547099051
2011	2	3,691,057.000	3341587.41	349469.5897	0.094680085	0.782438092
2011	3	3,033,611.000	3436566.109	-402955.109	-0.132830185	-0.902188448
2011	4	3,053,451.000	3153101.985	-99650.98458	-0.032635528	-0.22311162
2011	5	2,508,477.000	3167870.969	-659393.9686	-0.262866261	-1.47633721
2011	6	2,757,203.000	2920102.984	-162899.9839	-0.059081607	-0.364721728
2011	7	2,999,885.000	3030517.952	-30632.95184	-0.010211375	-0.068585047
2011	8	3,892,809.000	3143382.677	749426.3225	0.192515565	1.677913385
2011	9	4,182,558.000	3556291.022	626266.9781	0.149733005	1.402168183
2011	10	3,294,466.000	3699815.111	-405349.1114	-0.123039397	-0.907548453
2011	11	3,058,399.000	3311593.821	-253194.8208	-0.08278672	-0.566885584
2011	12	2,834,692.000	3211498.482	-376806.4817	-0.132926781	-0.843643491
2012	1	3,000,516.000	3112992.872	-112476.872	-0.037485843	-0.251827889
2012	2	3,459,534.000	3184542.165	274991.835	0.079488115	0.615687582
2012	3	3,115,322.000	3388570.732	-273248.7324	-0.087711233	-0.611784897
2012	4	3,232,107.000	3231773.072	333.927996	0.000103316	0.000747642
2012	5	2,986,658.000	3288975.102	-302317.1015	-0.101222538	-0.676866953
2012	6	3,553,187.000	3183281.924	369905.0759	0.104105153	0.828191724
2012	7	3,789,371.000	3444474.838	344896.1621	0.091016731	0.772198506
2012	8	5,133,849.000	3554046.717	1579802.283	0.307722779	3.537067375
2012	9	3,654,169.000	4158130.832	-503961.8319	-0.13791421	-1.128335472
2012	10	3,219,576.000	3493936.522	-274360.5222	-0.085216352	-0.614274117
2012	11	3,514,412.000	3301919.332	212492.668	0.060463221	0.475756297
2012	12	2,870,730.000	3441179.711	-570449.7107	-0.198712422	-1.277197206
2013	1	3,146,785.000	3160333.965	-13548.96473	-0.004305653	-0.030335189
2013	2	3,352,432.000	3280198.316	72233.68354	0.021546651	0.161726191
2013	3	2,891,927.000	3368261.572	-476334.5719	-0.164711824	-1.066479959
2013	4	2,917,092.000	3155847.1	-238755.1003	-0.081846956	-0.534556055
2013	5	2,603,075.000	3161609.423	-558534.4232	-0.214567165	-1.250519706
2013	6	2,767,773.000	3022606.283	-254833.2825	-0.092071598	-0.570553986
2013	7	2,794,478.000	3102733.69	-308255.6901	-0.110308863	-0.690163039
2013	8	3,479,469.000	3122719.047	356749.9527	0.102529999	0.798738319
2013	9	3,527,338.000	3437074.131	90263.86916	0.025589799	0.202094522
2013	10	3,802,021.000	3462026.034	339994.9657	0.0894248	0.761225069
2013	11	3,574,057.000	3583543.619	-9486.619265	-0.0026543	-0.02123988
2013	12	3,531,199.000	3470774.939	60424.06063	0.017111486	0.135285267
2014	1	4,022,692.000	3438992.819	583699.1814	0.145101634	1.306861849
2014	2	3,622,138.000	3656650.745	-34512.74532	-0.00952828	-0.077271635
2014	3	3,843,232.000	3480582.714	362649.2862	0.094360498	0.811946516
2014	4	3,588,074.000	3586992.211	1081.789373	0.000301496	0.002422051
2014	5	2,971,369.000	3482515.692	-511146.6916	-0.17202397	-1.144421873
2014	6	3,004,701.000	3213986.695	-209285.6951	-0.069652753	-0.468576108
2014	7	3,428,294.000	3238401.124	189892.8757	0.055389904	0.425156934
2014	8	3,759,367.000	3434876.311	324490.6888	0.086315246	0.726512071
2014	9	3,947,767.000	3586209.296	361557.704	0.091585371	0.809502539

2014	10	3,445,507.000	3671419.491	-225912.4913	-0.065567271	-0.505802347
2014	11	3,752,000.000	3443435.47	308564.53	0.082240013	0.69085451
2014	12	3,728,483.000	3577921.687	150561.3133	0.040381387	0.337096303
2015	1	3,598,450.000	3561271.284	37178.71552	0.010331869	0.083240557
2015	2	3,831,378.000	3503519.397	327858.6033	0.08557198	0.734052598
2015	3	3,930,601.000	3616319.146	314281.8544	0.07995771	0.703655202
2015	4	3,483,894.000	3665432.641	-181538.6415	-0.052107969	-0.406452385
2015	5	2,803,611.000	3472602.745	-668991.7453	-0.238617891	-1.497825964
2015	6	3,197,304.000	3172496.257	24807.74334	0.007758957	0.055542811
2015	7	4,104,568.000	3354807.063	749760.9367	0.182665006	1.678662563
2015	8		3769610.831			
2015	9		3626835.726			
2015	10		3572096.009			
2015	11		3556839.744			
2015	12		3559168.339			
2016	1		3567683.288			
2016	2		3575558.43			
2016	3		3583334.145			
2016	4		3590587.828			
2016	5		3597912.837			
2016	6		3606632.362			
2016	7		3616545.715			
2016	8		3627426.838			
2016	9		3638298.24			
2016	10		3650527.448			
2016	11		3663957.793			
2016	12		3678732.748			
2017	1		3692610.878			
2017	2		3702199.554			
2017	3		3709610.504			
2017	4		3715602.727			
2017	5		3721447.925			
2017	6		3728955.181			
2017	7		3737934.925			
2017	8		3747982.246			
2017	9		3758004.672			
2017	10		3769328.099			
2017	11		3781805.1			
2017	12		3795585.063			
2018	1		3808412.028			
2018	2		3816964.094			
2018	3		3823287.974			
2018	4		3828044.063			
2018	5		3832459.144			
2018	6		3838287.983			
2018	7		3845349.527			
2018	8		3853237.761			

2018	9	3860947.315
2018	10	3869738.381
2018	11	3879421.112
2018	12	3890171.542
2019	1	3899942.336
2019	2	3905913.281
2019	3	3910146.245
2019	4	3912949.518
2019	5	3915173.975
2019	6	3918308.776
2019	7	3922480.779
2019	8	3927748.801
2019	9	3933527.45
2019	10	3940866.675
2019	11	3949246.464
2019	12	3958599.898
2020	1	3966870.237
2020	2	3971513.749
2020	3	3974540.418
2020	4	3976259.613
2020	5	3977791.156
2020	6	3980692.699
2020	7	3984976.457
2020	8	3990521.692
2020	9	3996594.248
2020	10	4004237.222
2020	11	4012960.731
2020	12	4022733.433
2021	1	4031555.263
2021	2	4036805.267
2021	3	4040602.624
2021	4	4043228.522
2021	5	4045496.976
2021	6	4048846.425
2021	7	4053397.738
2021	8	4059224.311
2021	9	4065722.729
2021	10	4073934.971
2021	11	4083317.315
2021	12	4093783.735
2022	1	4103282.137
2022	2	4109089.496
2022	3	4113318.693
2022	4	4116290.242
2022	5	4118851.191
2022	6	4122492.549
2022	7	4127388.927

2022	8	4133674.863
2022	9	4140728.928
2022	10	4149429.213
2022	11	4159012.429
2022	12	4169269.698
2023	1	4178336.676
2023	2	4183804.228
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2023	7	4201947.765
2023	8	4207984.139
2023	9	4214808.376
2023	10	4223370.126
2023	11	4232979.472
2023	12	4243452.93
2024	1	4252797.44
2024	2	4258514.501
2024	3	4262706.081
2024	4	4265637.6
2024	5	4268304.517
2024	6	4272189.977
2024	7	4277321.987
2024	8	4283640.821
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2024	10	4298776.343
2024	11	4308210.869
2024	12	4318720.945
2025	1	4328319.597
2025	2	4334329.607
2025	3	4338907.205
2025	4	4342373.304
2025	5	4345534.136
2025	6	4349828.89
2025	7	4355329.966
2025	8	4362059.343
2025	9	4369330.107
2025	10	4378177.548
2025	11	4388049.611
2025	12	4398875.368
2026	1	4408705.501
2026	2	4414911.444
2026	3	4419709.664
2026	4	4423445.437
2026	5	4426924.452
2026	6	4431585.328

2026	7	4437484.068
2026	8	4444627.063
2026	9	4452318.069
2026	10	4461680.942
2026	11	4472266.835
2026	12	4484040.28
2027	1	4494881.577
2027	2	4501856.184
2027	3	4507078.132
2027	4	4511026.624
2027	5	4514710.662
2027	6	4519719.3
2027	7	4526024.363
2027	8	4533472.954
2027	9	4541260.962
2027	10	4550614.53
2027	11	4561243.376
2027	12	4573224.849
2028	1	4584413.018
2028	2	4591898.797
2028	3	4597621.53
2028	4	4601940.738
2028	5	4605991.245
2028	6	4611368.632
2028	7	4618040.465
2028	8	4625851.678
2028	9	4633971.192
2028	10	4643593.988
2028	11	4654387.639
2028	12	4666415.766
2029	1	4677613.557
2029	2	4685047.664
2029	3	4690840.434
2029	4	4695363.82
2029	5	4699434.35
2029	6	4704565.903
2029	7	4710947.315
2029	8	4718749.661
2029	9	4727331.128
2029	10	4737672.367
2029	11	4749100.431
2029	12	4761439.804
2030	1	4772705.459
2030	2	4780141.831
2030	3	4786009.332
2030	4	4790705.294
2030	5	4795029.692

2030	6	4800463.328
2030	7	4807118.603
2030	8	4815077.362
2030	9	4823638.855
2030	10	4833842.917
2030	11	4845108.581
2030	12	4857332.831
2031	1	
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2038	12

Variable	Coefficient	Mean	Elast	Units	Definition
HDD65	8.910	644.635	0.002		
GSP	330274.748	9.894	1.002		

Year	Month	Pred	HDD65	GSP	ARMA	X-Missing
2007	1		12,123.534	3,159,344.310		0.000
2007	2	2,980,763.993	14,494.811	3,149,566.293	-183,297.111	0.000
2007	3	3,096,188.424	11,148.204	3,152,936.453	-67,896.233	0.000
2007	4	3,108,218.298	7,011.067	3,163,742.530	-62,535.299	0.000
2007	5	2,984,036.144	2,865.056	3,171,641.059	-190,469.971	0.000
2007	6	3,146,617.163	720.519	3,170,306.377	-24,409.734	0.000
2007	7	2,875,620.333	54.017	3,166,213.004	-290,646.687	0.000
2007	8	3,213,406.537	49.840	3,170,286.058	43,070.638	0.000
2007	9	3,798,060.992	503.525	3,188,040.975	609,516.492	0.000
2007	10	3,401,009.756	1,589.000	3,209,818.059	189,602.697	0.000
2007	11	3,161,859.238	4,968.068	3,221,195.277	-64,304.108	0.000
2007	12	3,299,795.706	10,958.129	3,213,413.409	75,424.167	0.000
2008	1	3,212,751.838	13,873.545	3,195,573.258	3,305.034	0.000
2008	2	3,376,811.946	13,738.763	3,183,434.107	179,639.077	0.000
2008	3	3,109,924.706	12,316.997	3,186,811.002	-89,203.292	0.000
2008	4	3,143,894.648	8,109.894	3,202,658.156	-66,873.403	0.000
2008	5	3,052,256.021	4,180.446	3,223,384.728	-175,309.152	0.000
2008	6	2,836,843.371	1,295.212	3,241,430.521	-405,882.362	0.000
2008	7	2,689,632.972	66.472	3,250,209.962	-560,643.462	0.000
2008	8	2,939,116.000	25.635	3,243,403.479	-304,313.114	0.000
2008	9	3,301,827.128	703.591	3,218,924.618	82,198.919	0.000
2008	10	3,162,296.562	2,033.942	3,185,788.242	-25,525.622	0.000
2008	11	3,170,087.957	5,298.090	3,156,644.547	8,145.320	0.000
2008	12	3,023,173.479	11,082.553	3,140,842.790	-128,751.864	0.000
2009	1	2,965,709.938	14,309.372	3,137,262.278	-185,861.712	0.000
2009	2	3,525,048.372	13,423.387	3,141,323.718	370,301.266	0.000
2009	3	3,117,328.586	10,763.525	3,148,768.975	-42,203.914	0.000
2009	4	2,882,856.366	7,502.840	3,156,222.225	-280,868.699	0.000
2009	5	2,986,069.363	3,577.315	3,159,769.897	-177,277.848	0.000
2009	6	2,914,992.525	1,506.137	3,157,800.452	-244,314.064	0.000
2009	7	3,032,796.120	398.257	3,154,792.263	-122,394.400	0.000
2009	8	3,105,346.416	283.931	3,157,374.384	-52,311.899	0.000
2009	9	3,364,622.619	627.707	3,168,941.482	195,053.429	0.000
2009	10	3,398,206.223	3,208.869	3,183,867.511	211,129.843	0.000
2009	11	3,901,864.408	5,719.958	3,193,677.165	702,467.285	0.000
2009	12	3,266,428.331	8,896.473	3,193,263.798	64,268.060	0.000
2010	1	3,114,416.654	14,714.831	3,188,151.358	-88,449.536	0.000
2010	2	3,213,587.318	12,763.845	3,187,307.531	13,515.942	0.000
2010	3	3,318,651.566	10,915.768	3,195,990.020	111,745.779	0.000
2010	4	3,145,287.866	5,394.335	3,210,909.224	-71,015.693	0.000
2010	5	3,018,149.270	3,076.835	3,224,910.536	-209,838.101	0.000
2010	6	2,968,993.930	859.979	3,233,062.455	-264,928.505	0.000
2010	7	3,110,147.146	86.464	3,237,058.213	-126,997.531	0.000
2010	8	3,281,862.026	10.525	3,240,939.118	40,912.383	0.000
2010	9	3,463,420.100	673.371	3,246,541.836	216,204.893	0.000
2010	10	3,651,489.721	2,201.932	3,249,912.749	399,375.040	0.000

2010	11	3,237,641.503	4,993.425	3,245,270.656	-12,622.578	0.000
2010	12	3,273,412.346	11,149.303	3,230,172.405	32,090.638	0.000
2011	1	3,254,966.673	12,334.051	3,212,722.706	29,909.916	0.000
2011	2	3,341,587.410	13,165.443	3,205,118.232	123,303.735	0.000
2011	3	3,436,566.109	10,764.440	3,213,254.533	212,547.135	0.000
2011	4	3,153,101.985	7,738.095	3,230,966.581	-85,602.692	0.000
2011	5	3,167,870.969	4,431.280	3,246,725.137	-83,285.448	0.000
2011	6	2,920,102.984	1,156.700	3,252,836.490	-333,890.205	0.000
2011	7	3,030,517.952	253.396	3,253,609.077	-223,344.521	0.000
2011	8	3,143,382.677	6.200	3,257,558.436	-114,181.959	0.000
2011	9	3,556,291.022	688.759	3,270,012.187	285,590.076	0.000
2011	10	3,699,815.111	2,207.370	3,287,659.475	409,948.266	0.000
2011	11	3,311,593.821	5,199.486	3,304,326.669	2,067.666	0.000
2011	12	3,211,498.482	9,006.270	3,315,392.738	-112,900.527	0.000
2012	1	3,112,992.872	11,955.136	3,321,197.835	-220,160.099	0.000
2012	2	3,184,542.165	10,703.990	3,323,383.488	-149,545.314	0.000
2012	3	3,388,570.732	8,127.391	3,324,045.703	56,397.638	0.000
2012	4	3,231,773.072	3,876.655	3,325,387.279	-97,490.862	0.000
2012	5	3,288,975.102	2,910.775	3,329,743.669	-43,679.343	0.000
2012	6	3,183,281.924	654.381	3,338,178.944	-155,551.401	0.000
2012	7	3,444,474.838	44.643	3,348,062.111	96,368.084	0.000
2012	8	3,554,046.717	78.148	3,355,587.133	198,381.437	0.000
2012	9	4,158,130.832	503.061	3,358,200.571	799,427.201	0.000
2012	10	3,493,936.522	2,643.216	3,358,459.420	132,833.886	0.000
2012	11	3,301,919.332	5,270.636	3,360,275.554	-63,626.858	0.000
2012	12	3,441,179.711	8,331.619	3,365,921.724	66,926.368	0.000
2013	1	3,160,333.965	14,072.076	3,372,633.468	-226,371.579	0.000
2013	2	3,280,198.316	12,329.039	3,375,731.591	-107,862.313	0.000
2013	3	3,368,261.572	11,231.535	3,373,047.783	-16,017.746	0.000
2013	4	3,155,847.100	9,863.446	3,367,333.019	-221,349.364	0.000
2013	5	3,161,609.423	4,972.422	3,363,488.532	-206,851.531	0.000
2013	6	3,022,606.283	1,581.386	3,365,123.397	-344,098.500	0.000
2013	7	3,102,733.690	119.670	3,371,878.862	-269,264.842	0.000
2013	8	3,122,719.047	225.632	3,382,132.292	-259,638.876	0.000
2013	9	3,437,074.131	414.354	3,393,001.051	43,658.726	0.000
2013	10	3,462,026.034	2,001.090	3,399,816.674	60,208.270	0.000
2013	11	3,583,543.619	6,421.561	3,397,200.631	179,921.427	0.000
2013	12	3,470,774.939	11,371.846	3,382,779.840	76,623.253	0.000
2014	1	3,438,992.819	13,621.444	3,363,758.309	61,613.066	0.000
2014	2	3,656,650.745	15,065.465	3,351,468.935	290,116.346	0.000
2014	3	3,480,582.714	13,658.589	3,352,011.099	114,913.025	0.000
2014	4	3,586,992.211	8,798.420	3,363,493.646	214,700.145	0.000
2014	5	3,482,515.692	4,644.660	3,380,860.838	97,010.194	0.000
2014	6	3,213,986.695	902.468	3,399,269.702	-186,185.475	0.000
2014	7	3,238,401.124	165.494	3,416,029.639	-177,794.008	0.000
2014	8	3,434,876.311	94.686	3,429,342.275	5,439.350	0.000
2014	9	3,586,209.296	708.899	3,437,172.052	148,328.345	0.000

2014	10	3,671,419.491	2,939.421	3,439,247.977	229,232.093	0.000
2014	11	3,443,435.470	6,410.998	3,435,532.061	1,492.411	0.000
2014	12	3,577,921.687	11,458.406	3,427,069.387	139,393.894	0.000
2015	1	3,561,271.284	12,407.260	3,418,507.371	130,356.654	0.000
2015	2	3,503,519.397	12,294.852	3,415,904.807	75,319.738	0.000
2015	3	3,616,319.146	12,673.432	3,422,386.753	181,258.961	0.000
2015	4	3,665,432.641	7,037.815	3,435,611.994	222,782.833	0.000
2015	5	3,472,602.745	3,463.327	3,450,597.055	18,542.363	0.000
2015	6	3,172,496.257	1,309.930	3,463,612.201	-292,425.874	0.000
2015	7	3,354,807.063	159.025	3,474,962.498	-120,314.460	0.000
2015	8	3,769,610.831	120.872	3,486,506.468	282,983.490	0.000
2015	9	3,626,835.726	592.916	3,499,020.466	127,222.343	0.000
2015	10	3,572,096.009	2,622.892	3,512,277.114	57,196.003	0.000
2015	11	3,556,839.744	5,760.634	3,525,365.208	25,713.901	0.000
2015	12	3,559,168.339	9,985.883	3,537,622.125	11,560.331	0.000
2016	1	3,567,683.288	13,128.861	3,549,357.189	5,197.237	0.000
2016	2	3,575,558.430	12,838.551	3,560,383.330	2,336.549	0.000
2016	3	3,583,334.145	10,908.385	3,571,375.307	1,050.454	0.000
2016	4	3,590,587.828	7,522.264	3,582,593.306	472.258	0.000
2016	5	3,597,912.837	3,840.470	3,593,860.051	212.316	0.000
2016	6	3,606,632.362	1,395.546	3,605,141.364	95.452	0.000
2016	7	3,616,545.715	215.570	3,616,287.232	42.913	0.000
2016	8	3,627,426.838	120.872	3,627,286.673	19.293	0.000
2016	9	3,638,298.240	592.916	3,637,696.650	8.673	0.000
2016	10	3,650,527.448	2,622.892	3,647,900.657	3.899	0.000
2016	11	3,663,957.793	5,760.634	3,658,195.406	1.753	0.000
2016	12	3,678,732.748	9,985.883	3,668,746.077	0.788	0.000
2017	1	3,692,610.878	13,128.861	3,679,481.663	0.354	0.000
2017	2	3,702,199.554	12,838.551	3,689,360.843	0.159	0.000
2017	3	3,709,610.504	10,908.385	3,698,702.048	0.072	0.000
2017	4	3,715,602.727	7,522.264	3,708,080.431	0.032	0.000
2017	5	3,721,447.925	3,840.470	3,717,607.440	0.014	0.000
2017	6	3,728,955.181	1,395.546	3,727,559.628	0.007	0.000
2017	7	3,737,934.925	215.570	3,737,719.352	0.003	0.000
2017	8	3,747,982.246	120.872	3,747,861.372	0.001	0.000
2017	9	3,758,004.672	592.916	3,757,411.755	0.001	0.000
2017	10	3,769,328.099	2,622.892	3,766,705.207	0.000	0.000
2017	11	3,781,805.100	5,760.634	3,776,044.466	0.000	0.000
2017	12	3,795,585.063	9,985.883	3,785,599.180	0.000	0.000
2018	1	3,808,412.028	13,128.861	3,795,283.167	0.000	0.000
2018	2	3,816,964.094	12,838.551	3,804,125.543	0.000	0.000
2018	3	3,823,287.974	10,908.385	3,812,379.590	0.000	0.000
2018	4	3,828,044.063	7,522.264	3,820,521.799	0.000	0.000
2018	5	3,832,459.144	3,840.470	3,828,618.674	0.000	0.000
2018	6	3,838,287.983	1,395.546	3,836,892.436	0.000	0.000
2018	7	3,845,349.527	215.570	3,845,133.957	0.000	0.000
2018	8	3,853,237.761	120.872	3,853,116.888	0.000	0.000

2018	9	3,860,947.315	592.916	3,860,354.399	0.000	0.000
2018	10	3,869,738.381	2,622.892	3,867,115.490	0.000	0.000
2018	11	3,879,421.112	5,760.634	3,873,660.478	0.000	0.000
2018	12	3,890,171.542	9,985.883	3,880,185.659	0.000	0.000
2019	1	3,899,942.336	13,128.861	3,886,813.475	0.000	0.000
2019	2	3,905,913.281	12,838.551	3,893,074.730	0.000	0.000
2019	3	3,910,146.245	10,908.385	3,899,237.860	0.000	0.000
2019	4	3,912,949.518	7,522.264	3,905,427.255	0.000	0.000
2019	5	3,915,173.975	3,840.470	3,911,333.505	-0.000	0.000
2019	6	3,918,308.776	1,395.546	3,916,913.230	-0.000	0.000
2019	7	3,922,480.779	215.570	3,922,265.208	-0.000	0.000
2019	8	3,927,748.801	120.872	3,927,627.928	-0.000	0.000
2019	9	3,933,527.450	592.916	3,932,934.534	0.000	0.000
2019	10	3,940,866.675	2,622.892	3,938,243.783	0.000	0.000
2019	11	3,949,246.464	5,760.634	3,943,485.830	-0.000	0.000
2019	12	3,958,599.898	9,985.883	3,948,614.015	0.000	0.000
2020	1	3,966,870.237	13,128.861	3,953,741.376	-0.000	0.000
2020	2	3,971,513.749	12,838.551	3,958,675.198	-0.000	0.000
2020	3	3,974,540.418	10,908.385	3,963,632.033	-0.000	0.000
2020	4	3,976,259.613	7,522.264	3,968,737.349	-0.000	0.000
2020	5	3,977,791.156	3,840.470	3,973,950.686	0.000	0.000
2020	6	3,980,692.699	1,395.546	3,979,297.153	-0.000	0.000
2020	7	3,984,976.457	215.570	3,984,760.886	-0.000	0.000
2020	8	3,990,521.692	120.872	3,990,400.819	-0.000	0.000
2020	9	3,996,594.248	592.916	3,996,001.332	0.000	0.000
2020	10	4,004,237.222	2,622.892	4,001,614.331	0.000	0.000
2020	11	4,012,960.731	5,760.634	4,007,200.097	-0.000	0.000
2020	12	4,022,733.433	9,985.883	4,012,747.550	-0.000	0.000
2021	1	4,031,555.263	13,128.861	4,018,426.402	-0.000	0.000
2021	2	4,036,805.267	12,838.551	4,023,966.716	0.000	0.000
2021	3	4,040,602.624	10,908.385	4,029,694.239	0.000	0.000
2021	4	4,043,228.522	7,522.264	4,035,706.259	-0.000	0.000
2021	5	4,045,496.976	3,840.470	4,041,656.506	0.000	0.000
2021	6	4,048,846.425	1,395.546	4,047,450.878	-0.000	0.000
2021	7	4,053,397.738	215.570	4,053,182.168	-0.000	0.000
2021	8	4,059,224.311	120.872	4,059,103.438	-0.000	0.000
2021	9	4,065,722.729	592.916	4,065,129.813	0.000	0.000
2021	10	4,073,934.971	2,622.892	4,071,312.079	0.000	0.000
2021	11	4,083,317.315	5,760.634	4,077,556.681	-0.000	0.000
2021	12	4,093,783.735	9,985.883	4,083,797.852	0.000	0.000
2022	1	4,103,282.137	13,128.861	4,090,153.276	0.000	0.000
2022	2	4,109,089.496	12,838.551	4,096,250.944	-0.000	0.000
2022	3	4,113,318.693	10,908.385	4,102,410.308	-0.000	0.000
2022	4	4,116,290.242	7,522.264	4,108,767.979	-0.000	0.000
2022	5	4,118,851.191	3,840.470	4,115,010.720	0.000	0.000
2022	6	4,122,492.549	1,395.546	4,121,097.002	0.000	0.000
2022	7	4,127,388.927	215.570	4,127,173.357	-0.000	0.000

2022	8	4,133,674.863	120.872	4,133,553.990	-0.000	0.000
2022	9	4,140,728.928	592.916	4,140,136.012	0.000	0.000
2022	10	4,149,429.213	2,622.892	4,146,806.321	-0.000	0.000
2022	11	4,159,012.429	5,760.634	4,153,251.795	0.000	0.000
2022	12	4,169,269.698	9,985.883	4,159,283.815	0.000	0.000
2023	1	4,178,336.676	13,128.861	4,165,207.815	0.000	0.000
2023	2	4,183,804.228	12,838.551	4,170,965.676	0.000	0.000
2023	3	4,187,952.572	10,908.385	4,177,044.188	-0.000	0.000
2023	4	4,191,015.069	7,522.264	4,183,492.805	-0.000	0.000
2023	5	4,193,659.983	3,840.470	4,189,819.512	0.000	0.000
2023	6	4,197,240.313	1,395.546	4,195,844.766	0.000	0.000
2023	7	4,201,947.765	215.570	4,201,732.195	-0.000	0.000
2023	8	4,207,984.139	120.872	4,207,863.266	0.000	0.000
2023	9	4,214,808.376	592.916	4,214,215.460	0.000	0.000
2023	10	4,223,370.126	2,622.892	4,220,747.234	0.000	0.000
2023	11	4,232,979.472	5,760.634	4,227,218.838	0.000	0.000
2023	12	4,243,452.930	9,985.883	4,233,467.048	-0.000	0.000
2024	1	4,252,797.440	13,128.861	4,239,668.579	0.000	0.000
2024	2	4,258,514.501	12,838.551	4,245,675.950	0.000	0.000
2024	3	4,262,706.081	10,908.385	4,251,797.696	-0.000	0.000
2024	4	4,265,637.600	7,522.264	4,258,115.336	-0.000	0.000
2024	5	4,268,304.517	3,840.470	4,264,464.046	0.000	0.000
2024	6	4,272,189.977	1,395.546	4,270,794.431	0.000	0.000
2024	7	4,277,321.987	215.570	4,277,106.416	-0.000	0.000
2024	8	4,283,640.821	120.872	4,283,519.948	-0.000	0.000
2024	9	4,290,430.845	592.916	4,289,837.929	0.000	0.000
2024	10	4,298,776.343	2,622.892	4,296,153.452	0.000	0.000
2024	11	4,308,210.869	5,760.634	4,302,450.235	0.000	0.000
2024	12	4,318,720.945	9,985.883	4,308,735.062	0.000	0.000
2025	1	4,328,319.597	13,128.861	4,315,190.736	0.000	0.000
2025	2	4,334,329.607	12,838.551	4,321,491.055	0.000	0.000
2025	3	4,338,907.205	10,908.385	4,327,998.820	0.000	0.000
2025	4	4,342,373.304	7,522.264	4,334,851.040	0.000	0.000
2025	5	4,345,534.136	3,840.470	4,341,693.666	0.000	0.000
2025	6	4,349,828.890	1,395.546	4,348,433.344	0.000	0.000
2025	7	4,355,329.966	215.570	4,355,114.395	-0.000	0.000
2025	8	4,362,059.343	120.872	4,361,938.470	-0.000	0.000
2025	9	4,369,330.107	592.916	4,368,737.191	0.000	0.000
2025	10	4,378,177.548	2,622.892	4,375,554.656	0.000	0.000
2025	11	4,388,049.611	5,760.634	4,382,288.977	-0.000	0.000
2025	12	4,398,875.368	9,985.883	4,388,889.485	0.000	0.000
2026	1	4,408,705.501	13,128.861	4,395,576.640	-0.000	0.000
2026	2	4,414,911.444	12,838.551	4,402,072.893	0.000	0.000
2026	3	4,419,709.664	10,908.385	4,408,801.280	0.000	0.000
2026	4	4,423,445.437	7,522.264	4,415,923.174	0.000	0.000
2026	5	4,426,924.452	3,840.470	4,423,083.982	0.000	0.000
2026	6	4,431,585.328	1,395.546	4,430,189.781	0.000	0.000

2026	7	4,437,484.068	215.570	4,437,268.497	-0.000	0.000
2026	8	4,444,627.063	120.872	4,444,506.190	0.000	0.000
2026	9	4,452,318.069	592.916	4,451,725.153	0.000	0.000
2026	10	4,461,680.942	2,622.892	4,459,058.051	0.000	0.000
2026	11	4,472,266.835	5,760.634	4,466,506.201	-0.000	0.000
2026	12	4,484,040.280	9,985.883	4,474,054.397	0.000	0.000
2027	1	4,494,881.577	13,128.861	4,481,752.716	0.000	0.000
2027	2	4,501,856.184	12,838.551	4,489,017.632	0.000	0.000
2027	3	4,507,078.132	10,908.385	4,496,169.747	-0.000	0.000
2027	4	4,511,026.624	7,522.264	4,503,504.360	-0.000	0.000
2027	5	4,514,710.662	3,840.470	4,510,870.191	0.000	0.000
2027	6	4,519,719.300	1,395.546	4,518,323.753	0.000	0.000
2027	7	4,526,024.363	215.570	4,525,808.793	0.000	0.000
2027	8	4,533,472.954	120.872	4,533,352.082	-0.000	0.000
2027	9	4,541,260.962	592.916	4,540,668.046	0.000	0.000
2027	10	4,550,614.530	2,622.892	4,547,991.638	0.000	0.000
2027	11	4,561,243.376	5,760.634	4,555,482.742	0.000	0.000
2027	12	4,573,224.849	9,985.883	4,563,238.966	0.000	0.000
2028	1	4,584,413.018	13,128.861	4,571,284.157	0.000	0.000
2028	2	4,591,898.797	12,838.551	4,579,060.246	0.000	0.000
2028	3	4,597,621.530	10,908.385	4,586,713.146	0.000	0.000
2028	4	4,601,940.738	7,522.264	4,594,418.475	0.000	0.000
2028	5	4,605,991.245	3,840.470	4,602,150.774	0.000	0.000
2028	6	4,611,368.632	1,395.546	4,609,973.085	0.000	0.000
2028	7	4,618,040.465	215.570	4,617,824.895	-0.000	0.000
2028	8	4,625,851.678	120.872	4,625,730.805	0.000	0.000
2028	9	4,633,971.192	592.916	4,633,378.277	0.000	0.000
2028	10	4,643,593.988	2,622.892	4,640,971.096	0.000	0.000
2028	11	4,654,387.639	5,760.634	4,648,627.005	-0.000	0.000
2028	12	4,666,415.766	9,985.883	4,656,429.883	0.000	0.000
2029	1	4,677,613.557	13,128.861	4,664,484.696	0.000	0.000
2029	2	4,685,047.664	12,838.551	4,672,209.113	0.000	0.000
2029	3	4,690,840.434	10,908.385	4,679,932.049	0.000	0.000
2029	4	4,695,363.820	7,522.264	4,687,841.557	0.000	0.000
2029	5	4,699,434.350	3,840.470	4,695,593.880	0.000	0.000
2029	6	4,704,565.903	1,395.546	4,703,170.357	0.000	0.000
2029	7	4,710,947.315	215.570	4,710,731.745	-0.000	0.000
2029	8	4,718,749.661	120.872	4,718,628.788	0.000	0.000
2029	9	4,727,331.128	592.916	4,726,738.212	0.000	0.000
2029	10	4,737,672.367	2,622.892	4,735,049.476	0.000	0.000
2029	11	4,749,100.431	5,760.634	4,743,339.797	-0.000	0.000
2029	12	4,761,439.804	9,985.883	4,751,453.921	-0.000	0.000
2030	1	4,772,705.459	13,128.861	4,759,576.598	-0.000	0.000
2030	2	4,780,141.831	12,838.551	4,767,303.280	0.000	0.000
2030	3	4,786,009.332	10,908.385	4,775,100.948	0.000	0.000
2030	4	4,790,705.294	7,522.264	4,783,183.031	-0.000	0.000
2030	5	4,795,029.692	3,840.470	4,791,189.221	0.000	0.000

2030	6	4,800,463.328	1,395.546	4,799,067.782	0.000	0.000
2030	7	4,807,118.603	215.570	4,806,903.033	0.000	0.000
2030	8	4,815,077.362	120.872	4,814,956.490	0.000	0.000
2030	9	4,823,638.855	592.916	4,823,045.939	0.000	0.000
2030	10	4,833,842.917	2,622.892	4,831,220.026	0.000	0.000
2030	11	4,845,108.581	5,760.634	4,839,347.947	-0.000	0.000
2030	12	4,857,332.831	9,985.883	4,847,346.948	0.000	0.000
2031	1			4,855,415.378		1.000
2031	2			4,863,144.283		1.000
2031	3			4,870,986.669		1.000
2031	4			4,879,126.578		1.000
2031	5			4,887,163.048		1.000
2031	6			4,895,023.957		1.000
2031	7			4,902,831.117		1.000
2031	8			4,910,903.903		1.000
2031	9			4,919,096.512		1.000
2031	10			4,927,434.826		1.000
2031	11			4,935,745.536		1.000
2031	12			4,943,906.837		1.000
2032	1			4,952,089.329		1.000
2032	2			4,959,987.510		1.000
2032	3			4,967,932.374		1.000
2032	4			4,976,057.004		1.000
2032	5			4,984,208.234		1.000
2032	6			4,992,372.562		1.000
2032	7			5,000,563.847		1.000
2032	8			5,008,939.955		1.000
2032	9			5,017,251.721		1.000
2032	10			5,025,650.471		1.000
2032	11			5,034,149.403		1.000
2032	12			5,042,748.402		1.000
2033	1			5,051,540.930		1.000
2033	2			5,059,898.241		1.000
2033	3			5,068,207.819		1.000
2033	4			5,076,778.842		1.000
2033	5			5,085,380.981		1.000
2033	6			5,094,057.288		1.000
2033	7			5,102,824.172		1.000
2033	8			5,111,833.014		1.000
2033	9			5,120,780.605		1.000
2033	10			5,129,744.495		1.000
2033	11			5,138,641.223		1.000
2033	12			5,147,443.482		1.000
2034	1			5,156,445.645		1.000
2034	2			5,165,254.068		1.000
2034	3			5,174,403.580		1.000
2034	4			5,184,021.075		1.000

2034	5	5,193,507.470	1.000
2034	6	5,202,673.854	1.000
2034	7	5,211,652.595	1.000
2034	8	5,220,836.298	1.000
2034	9	5,230,087.940	1.000
2034	10	5,239,464.072	1.000
2034	11	5,248,794.148	1.000
2034	12	5,257,981.665	1.000
2035	1	5,267,311.624	1.000
2035	2	5,276,376.009	1.000
2035	3	5,285,740.219	1.000
2035	4	5,295,587.104	1.000
2035	5	5,305,372.891	1.000
2035	6	5,314,924.696	1.000
2035	7	5,324,251.117	1.000
2035	8	5,333,575.747	1.000
2035	9	5,342,678.787	1.000
2035	10	5,351,814.775	1.000
2035	11	5,361,092.111	1.000
2035	12	5,370,576.051	1.000
2036	1	5,380,347.472	1.000
2036	2	5,389,812.650	1.000
2036	3	5,399,201.476	1.000
2036	4	5,408,687.638	1.000
2036	5	5,418,165.631	1.000
2036	6	5,427,668.265	1.000
2036	7	5,437,167.851	1.000
2036	8	5,446,771.324	1.000
2036	9	5,456,150.803	1.000
2036	10	5,465,531.453	1.000
2036	11	5,475,009.928	1.000
2036	12	5,484,647.628	1.000
2037	1	5,494,550.274	1.000
2037	2	5,503,988.980	1.000
2037	3	5,513,389.512	1.000
2037	4	5,523,116.029	1.000
2037	5	5,532,931.379	1.000
2037	6	5,542,875.874	1.000
2037	7	5,552,867.015	1.000
2037	8	5,562,941.786	1.000
2037	9	5,572,698.018	1.000
2037	10	5,582,362.834	1.000
2037	11	5,592,045.665	1.000
2037	12	5,601,830.165	1.000
2038	1	5,611,881.261	1.000
2038	2	5,621,522.757	1.000
2038	3	5,631,215.563	1.000

2038	4	5,641,254.791	1.000
2038	5	5,651,273.893	1.000
2038	6	5,661,246.461	1.000
2038	7	5,671,182.637	1.000
2038	8	5,681,268.130	1.000
2038	9	5,691,191.017	1.000
2038	10	5,701,098.921	1.000
2038	11	5,710,968.336	1.000
2038	12	5,720,790.488	1.000

Year	Month	Actual	Pred	Upper	Lower	Sigma
2007	1	2,763,756.000				
2007	2	3,013,038.000	2980763.993	3914961.201	2046566.785	470374.6922
2007	3	3,024,986.000	3096188.424	4010535.807	2181841.04	460380.17
2007	4	2,747,087.000	3108218.298	4010383.508	2206053.087	454246.3623
2007	5	3,120,211.000	2984036.144	3888183.274	2079889.014	455244.2722
2007	6	2,524,535.000	3146617.163	4057275.717	2235958.608	458522.8192
2007	7	3,262,070.000	2875620.333	3788995.427	1962245.24	459890.615
2007	8	4,526,097.000	3213406.537	4126867.264	2299945.81	459933.7321
2007	9	3,610,282.000	3798060.992	4709869.298	2886252.685	459101.7272
2007	10	3,068,374.000	3401009.756	4309148.144	2492871.367	457253.8982
2007	11	3,393,931.000	3161859.238	4063739.224	2259979.252	454102.7497
2007	12	3,231,723.000	3299795.706	4213345.089	2386246.322	459978.3714
2008	1	3,609,022.000	3212751.838	4142478.881	2283024.794	468123.9338
2008	2	2,998,756.000	3376811.946	4305679.266	2447944.626	467691.0572
2008	3	3,050,380.000	3109924.706	4030188.958	2189660.453	463359.3538
2008	4	2,820,824.000	3143894.648	4048140.892	2239648.403	455294.177
2008	5	2,324,752.000	3052256.021	3954819.614	2149692.429	454446.9504
2008	6	1,995,674.000	2836843.371	3746452.5	1927234.242	457994.4263
2008	7	2,573,386.000	2689632.972	3604351.189	1774914.755	460566.8871
2008	8	3,426,266.000	2939116	3853905.269	2024326.73	460602.6623
2008	9	3,162,851.000	3301827.128	4213316.544	2390337.712	458941.1634
2008	10	3,205,940.000	3162296.562	4068727.772	2255865.352	456394.3221
2008	11	2,875,557.000	3170087.957	4071245.179	2268930.735	453738.8331
2008	12	2,738,509.000	3023173.479	3937209.698	2109137.26	460223.4963
2009	1	3,975,241.000	2965709.938	3898630.3	2032789.577	469731.7914
2009	2	3,060,872.000	3525048.372	4451977.658	2598119.085	466715.2441
2009	3	2,534,790.000	3117328.586	4029949.287	2204707.884	459510.7736
2009	4	2,769,402.000	2882856.366	3785694.953	1980017.778	454585.4121
2009	5	2,619,914.000	2986069.363	3888738.881	2083399.845	454500.2846
2009	6	2,887,062.000	2914992.525	3822645.859	2007339.192	457009.6698
2009	7	3,038,832.000	3032796.12	3944508.603	2121083.638	459053.479
2009	8	3,591,520.000	3105346.416	4017579.854	2193112.978	459315.7838
2009	9	3,639,190.000	3364622.619	4275626.145	2453619.093	458696.5147
2009	10	4,749,590.000	3398206.223	4301803.566	2494608.881	454967.4505
2009	11	3,342,350.000	3901864.408	4803351.592	3000377.224	453904.9713
2009	12	3,005,420.000	3266428.331	4172544.148	2360312.514	456235.5197
2010	1	3,232,930.000	3114416.654	4050055.638	2178777.67	471100.6362
2010	2	3,448,630.000	3213587.318	4136384.554	2290790.082	464634.7283
2010	3	3,048,944.000	3318651.566	4231993.232	2405309.901	459873.7838
2010	4	2,749,556.000	3145287.866	4046929.146	2243646.585	453982.56
2010	5	2,638,701.000	3018149.27	3922519.02	2113779.52	455356.3628
2010	6	2,951,439.000	2968993.93	3880090.705	2057897.154	458743.4663
2010	7	3,328,147.000	3110147.146	4024553.898	2195740.394	460410.0623
2010	8	3,721,859.000	3281862.026	4196678.702	2367045.35	460616.4617
2010	9	4,135,554.000	3463420.1	4375471.091	2551369.108	459223.9206
2010	10	3,224,038.000	3651489.721	4558334.509	2744644.934	456602.5612

2010	11	3,321,644.000	3237641.503	4139748.094	2335534.911	454216.8472
2010	12	3,307,851.000	3273412.346	4187833.243	2358991.448	460417.1845
2011	1	3,499,324.000	3254966.673	4175305.577	2334627.769	463396.9412
2011	2	3,691,057.000	3341587.41	4266758.631	2416416.189	465830.0461
2011	3	3,033,611.000	3436566.109	4349279.608	2523852.61	459557.4979
2011	4	3,053,451.000	3153101.985	4056789.643	2249414.326	455012.9251
2011	5	2,508,477.000	3167870.969	4070419.154	2265322.783	454439.1928
2011	6	2,757,203.000	2920102.984	3830386.266	2009819.702	458333.8667
2011	7	2,999,885.000	3030517.952	3944458.04	2116577.864	460175.0937
2011	8	3,892,809.000	3143382.677	4058500.479	2228264.876	460768.0804
2011	9	4,182,558.000	3556291.022	4468656.721	2643925.323	459382.378
2011	10	3,294,466.000	3699815.111	4607174.596	2792455.627	456861.7146
2011	11	3,058,399.000	3311593.821	4214192.033	2408995.609	454464.3815
2011	12	2,834,692.000	3211498.482	4118444.911	2304552.053	456653.7385
2012	1	3,000,516.000	3112992.872	4031328.644	2194657.1	462388.3508
2012	2	3,459,534.000	3184542.165	4097212.382	2271871.948	459535.7051
2012	3	3,115,322.000	3388570.732	4293532.758	2483608.707	455654.5778
2012	4	3,232,107.000	3231773.072	4135925.999	2327620.145	455247.1909
2012	5	2,986,658.000	3288975.102	4195074.851	2382875.352	456227.4294
2012	6	3,553,187.000	3183281.924	4096901.42	2269662.429	460013.6732
2012	7	3,789,371.000	3444474.838	4360967.756	2527981.919	461460.4614
2012	8	5,133,849.000	3554046.717	4470513.521	2637579.914	461447.3121
2012	9	3,654,169.000	4158130.832	5072728.806	3243532.857	460506.344
2012	10	3,219,576.000	3493936.522	4401092.803	2586780.242	456759.4002
2012	11	3,514,412.000	3301919.332	4205051.06	2398787.604	454733.0103
2012	12	2,870,730.000	3441179.711	4346795.607	2535563.815	455983.806
2013	1	3,146,785.000	3160333.965	4090920.696	2229747.233	468556.7927
2013	2	3,352,432.000	3280198.316	4200469.903	2359926.73	463363.0466
2013	3	2,891,927.000	3368261.572	4283248.658	2453274.485	460702.2646
2013	4	2,917,092.000	3155847.1	4065565.983	2246128.217	458049.688
2013	5	2,603,075.000	3161609.423	4064949.436	2258269.411	454837.8831
2013	6	2,767,773.000	3022606.283	3933098.423	2112114.142	458439.0286
2013	7	2,794,478.000	3102733.69	4019289.757	2186177.623	461492.257
2013	8	3,479,469.000	3122719.047	4038962.952	2206475.142	461335.0812
2013	9	3,527,338.000	3437074.131	4352651.703	2521496.558	460999.5784
2013	10	3,802,021.000	3462026.034	4371644.01	2552408.059	457998.8803
2013	11	3,574,057.000	3583543.619	4487010.804	2680076.434	454901.9153
2013	12	3,531,199.000	3470774.939	4386399.618	2555150.26	461023.2968
2014	1	4,022,692.000	3438992.819	4366704.492	2511281.146	467109.1811
2014	2	3,622,138.000	3656650.745	4594224.317	2719077.174	472074.7144
2014	3	3,843,232.000	3480582.714	4408547.989	2552617.439	467236.8713
2014	4	3,588,074.000	3586992.211	4493642.032	2680342.389	456504.3944
2014	5	2,971,369.000	3482515.692	4386326.9	2578704.483	455075.1334
2014	6	3,004,701.000	3213986.695	4127588.322	2300385.068	460004.6761
2014	7	3,428,294.000	3238401.124	4155513.884	2321288.365	461772.5555
2014	8	3,759,367.000	3434876.311	4352557.533	2517195.089	462058.7803
2014	9	3,947,767.000	3586209.296	4501251.956	2671166.636	460730.246

2014	10	3,445,507.000	3671419.491	4578942.639	2763896.343	456944.1204
2014	11	3,752,000.000	3443435.47	4347237.768	2539633.172	455070.6468
2014	12	3,728,483.000	3577921.687	4494006.086	2661837.287	461254.7694
2015	1	3,598,450.000	3561271.284	4481962.88	2640579.689	463574.524
2015	2	3,831,378.000	3503519.397	4506334.208	2500704.585	504924.1258
2015	3	3,930,601.000	3616319.146	4636849.489	2595788.803	513844.0171
2015	4	3,483,894.000	3665432.641	4673033.137	2657832.146	507333.7502
2015	5	2,803,611.000	3472602.745	4482904.046	2462301.444	508693.6243
2015	6	3,197,304.000	3172496.257	4188818.221	2156174.292	511725.0697
2015	7	4,104,568.000	3354807.063	4375777.715	2333836.412	514065.7156
2015	8		3769610.831	4790936.642	2748285.02	514244.5407
2015	9		3626835.726	4646395.693	2607275.758	513355.4265
2015	10		3572096.009	4585188.965	2559003.052	510099.2422
2015	11		3556839.744	4565656.661	2548022.827	507946.2269
2015	12		3559168.339	4573503.592	2544833.085	510724.747
2016	1		3567683.288	4594457.067	2540909.509	516987.6298
2016	2		3575558.43	4600896.81	2550220.049	516264.8969
2016	3		3583334.145	4600680.924	2565987.367	512241.0706
2016	4		3590587.828	4600498.392	2580677.265	508496.8854
2016	5		3597912.837	4609407.074	2586418.6	509294.2756
2016	6		3606632.362	4624789.799	2588474.925	512649.2426
2016	7		3616545.715	4639582.194	2593509.236	515105.8738
2016	8		3627426.838	4651068.299	2603785.376	515410.4864
2016	9		3638298.24	4660066.783	2616529.696	514467.4595
2016	10		3650527.448	4665450.84	2635604.055	511020.8791
2016	11		3663957.793	4674049.106	2653866.481	508587.8936
2016	12		3678732.748	4693620.786	2663844.711	511003.0776
2017	1		3692610.878	4719418.629	2665803.126	517004.7353
2017	2		3702199.554	4727625.128	2676773.98	516308.7996
2017	3		3709610.504	4727362.301	2691858.707	512445.0002
2017	4		3715602.727	4726465.016	2704740.438	508976.0857
2017	5		3721447.925	4734466.846	2708429.003	510061.965
2017	6		3728955.181	4748996.532	2708913.83	513597.8062
2017	7		3737934.925	4763017.987	2712851.864	516136.3421
2017	8		3747982.246	4773674.972	2722289.52	516443.3122
2017	9		3758004.672	4781747.81	2734261.534	515461.6812
2017	10		3769328.099	4785923.086	2752733.112	511862.5383
2017	11		3781805.1	4793095.39	2770514.811	509191.587
2017	12		3795585.063	4811033.522	2780136.604	511285.2538
2018	1		3808412.028	4835316.15	2781507.906	517053.2585
2018	2		3816964.094	4842532.297	2791395.891	516380.614
2018	3		3823287.974	4841465.408	2805110.541	512659.3111
2018	4		3828044.063	4839821.435	2816266.691	509436.8361
2018	5		3832459.144	4846905.146	2818013.142	510780.5097
2018	6		3838287.983	4860068.077	2816507.889	514473.2753
2018	7		3845349.527	4872296.61	2818402.445	517074.8894
2018	8		3853237.761	4880772.956	2825702.565	517371.0084

2018	9	3860947.315	4886438.664	2835455.966	516341.9177
2018	10	3869738.381	4887795.576	2851681.187	512598.7699
2018	11	3879421.112	4891753.006	2867089.219	509716.0416
2018	12	3890171.542	4906120.353	2874222.73	511537.1847
2019	1	3899942.336	4926966.691	2872917.982	517113.7964
2019	2	3905913.281	4931634.146	2880192.417	516457.4802
2019	3	3910146.245	4928689.561	2891602.929	512843.5354
2019	4	3912949.518	4925456.795	2900442.241	509804.3485
2019	5	3915173.975	4930719.625	2899628.325	511334.1901
2019	6	3918308.776	4941394.906	2895222.647	515130.873
2019	7	3922480.779	4950797.287	2894164.27	517764.4046
2019	8	3927748.801	4956617.346	2898880.256	518042.3588
2019	9	3933527.45	4960279.184	2906775.717	516976.5299
2019	10	3940866.675	4959986.946	2921746.404	513134.0361
2019	11	3949246.464	4962350.288	2936142.639	510104.7141
2019	12	3958599.898	4974936.71	2942263.086	511732.5453
2020	1	3966870.237	4994007.121	2939733.353	517170.4559
2020	2	3971513.749	4997370.757	2945656.741	516526.0294
2020	3	3974540.418	4993377.702	2955703.134	512991.5503
2020	4	3976259.613	4989332.894	2963186.332	510089.3354
2020	5	3977791.156	4994189.829	2961392.484	511763.6927
2020	6	3980692.699	5004816.54	2956568.857	515653.3682
2020	7	3984976.457	5014421.422	2955531.491	518332.5907
2020	8	3990521.692	5020532.149	2960511.235	518617.3195
2020	9	3996594.248	5024459.757	2968728.739	517537.3233
2020	10	4004237.222	5024323.616	2984150.829	513620.4856
2020	11	4012960.731	5026788.429	2999133.033	510469.1893
2020	12	4022733.433	5039453.7	3006013.167	511925.6175
2021	1	4031555.263	5058820.659	3004289.868	517235.1622
2021	2	4036805.267	5062817.624	3010792.91	516604.2486
2021	3	4040602.624	5059761.569	3021443.679	513153.5089
2021	4	4043228.522	5056920.7	3029536.345	510400.9539
2021	5	4045496.976	5062837.872	3028156.081	512238.1085
2021	6	4048846.425	5074123.448	3023569.401	516234.0033
2021	7	4053397.738	5084097.467	3022698.01	518964.3723
2021	8	4059224.311	5090503.988	3027944.634	519256.3804
2021	9	4065722.729	5094828.857	3036616.602	518161.9832
2021	10	4073934.971	5095104.554	3052765.388	514165.8787
2021	11	4083317.315	5097965.922	3068668.708	510882.5226
2021	12	4093783.735	5110951.162	3076616.307	512150.766
2022	1	4103282.137	5130712.726	3075851.547	517318.3384
2022	2	4109089.496	5135296.922	3082882.069	516702.4675
2022	3	4113318.693	5132855.185	3093782.2	513343.6065
2022	4	4116290.242	5130681.245	3101899.239	510752.8173
2022	5	4118851.191	5137236.163	3100466.219	512763.8079
2022	6	4122492.549	5149038.492	3095946.605	516872.9131
2022	7	4127388.927	5159468.195	3095309.659	519658.9799

2022	8	4133674.863	5166352.799	3100996.926	519960.4136
2022	9	4140728.928	5171204.489	3110253.367	518851.5024
2022	10	4149429.213	5171796.343	3127062.082	514768.8522
2022	11	4159012.429	5174569.454	3143455.404	511339.9175
2022	12	4169269.698	5186937.909	3151601.487	512402.9139
2023	1	4178336.676	5205965.661	3150707.691	517418.232
2023	2	4183804.228	5210238.762	3157369.694	516816.8178
2023	3	4187952.572	5207902.138	3168003.007	513551.5916
2023	4	4191015.069	5206146.251	3175883.887	511125.5025
2023	5	4193659.983	5213134.561	3174185.404	513312.4323
2023	6	4197240.313	5225098.291	3169382.334	517533.5317
2023	7	4201947.765	5235440.851	3168454.679	520370.8471
2023	8	4207984.139	5242081.289	3173886.988	520674.9976
2023	9	4214808.376	5246660.192	3182956.561	519544.4562
2023	10	4223370.126	5246934.55	3199805.701	515371.6978
2023	11	4232979.472	5249449.365	3216509.579	511799.5529
2023	12	4243452.93	5261639.048	3225266.813	512663.6835
2024	1	4252797.44	5280649.044	3224945.835	517530.3223
2024	2	4258514.501	5285202.011	3231826.992	516944.1926
2024	3	4262706.081	5283095.313	3242316.848	513772.9671
2024	4	4265637.6	5281533.572	3249741.628	511510.5795
2024	5	4268304.517	5288891.218	3247717.816	513872.3938
2024	6	4272189.977	5301387.853	3242992.101	518208.1793
2024	7	4277321.987	5312268.431	3242375.543	521102.6227
2024	8	4283640.821	5319207.05	3248074.592	521414.6886
2024	9	4290430.845	5323711.821	3257149.87	520264.0477
2024	10	4298776.343	5323586.555	3273966.132	515998.9601
2024	11	4308210.869	5325634.705	3290787.034	512279.8692
2024	12	4318720.945	5337458.607	3299983.283	512941.3898
2025	1	4328319.597	5356423.219	3300215.974	517657.2151
2025	2	4334329.607	5361300.27	3307358.943	517086.7625
2025	3	4338907.205	5359771.296	3318043.113	514012.0617
2025	4	4342373.304	5359082.367	3325664.241	511919.9764
2025	5	4345534.136	5367297.578	3323770.695	514464.8905
2025	6	4349828.89	5380440.317	3319217.463	518919.9118
2025	7	4355329.966	5391805.936	3318853.995	521872.7496
2025	8	4362059.343	5399173.866	3324944.82	522194.2653
2025	9	4369330.107	5404128.162	3334532.053	521027.9076
2025	10	4378177.548	5404326.48	3352028.616	516673.0152
2025	11	4388049.611	5406513.824	3369585.399	512803.706
2025	12	4398875.368	5418229.198	3379521.538	513251.6348
2026	1	4408705.501	5437106.367	3380304.634	517806.8794
2026	2	4414911.444	5442212.235	3387610.653	517252.9842
2026	3	4419709.664	5441106.668	3398312.661	514280.3866
2026	4	4423445.437	5441042.818	3405848.057	512367.2504
2026	5	4426924.452	5449956.66	3403892.244	515103.7232
2026	6	4431585.328	5463713.29	3399457.365	519683.4979

2026	7	4437484.068	5475598.649	3399369.486	522697.8017
2026	8	4444627.063	5483399.824	3405854.302	523029.1995
2026	9	4452318.069	5488740.339	3415895.8	521845.7108
2026	10	4461680.942	5489267.448	3434094.437	517396.8431
2026	11	4472266.835	5491859.646	3452674.024	513371.9632
2026	12	4484040.28	5504081.305	3463999.255	513597.6422
2027	1	4494881.577	5523634.276	3466128.877	517984.0299
2027	2	4501856.184	5529546.852	3474165.516	517449.2899
2027	3	4507078.132	5529085.325	3485070.939	514587.6213
2027	4	4511026.624	5529617.355	3492435.892	512867.4094
2027	5	4514710.662	5539144.152	3490277.172	515809.2783
2027	6	4519719.3	5553514.147	3485924.453	520522.7858
2027	7	4526024.363	5565936.702	3486112.025	523602.9845
2027	8	4533472.954	5574061.992	3492883.917	523943.7072
2027	9	4541260.962	5579456.3	3503065.624	522738.4631
2027	10	4550614.53	5579765.422	3521463.638	518184.5225
2027	11	4561243.376	5582063.211	3540423.54	513989.7784
2027	12	4573224.849	5594021.335	3552428.363	513978.0218
2028	1	4584413.018	5613567.576	3555258.459	518186.3687
2028	2	4591898.797	5620030.044	3563767.55	517671.1243
2028	3	4597621.53	5620298.268	3574944.793	514924.7416
2028	4	4601940.738	5621599.554	3582281.923	513405.1971
2028	5	4605991.245	5631917.762	3580064.728	516561.0277
2028	6	4611368.632	5646931.95	3575805.314	521413.2229
2028	7	4618040.465	5659855.878	3576225.052	524561.1958
2028	8	4625851.678	5668364.155	3583339.2	524912.1723
2028	9	4633971.192	5674050.099	3593892.286	523686.8528
2028	10	4643593.988	5674417.028	3612770.948	519026.4606
2028	11	4654387.639	5676529.974	3632245.304	514655.6662
2028	12	4666415.766	5688040.727	3644790.805	514395.1647
2029	1	4677613.557	5707225.725	3648001.39	518416.7778
2029	2	4685047.664	5713674.053	3656421.276	517920.4316
2029	3	4690840.434	5714245.962	3667434.906	515291.6924
2029	4	4695363.82	5716159.265	3674568.375	513977.4978
2029	5	4699434.35	5726927.082	3671941.619	517349.6276
2029	6	4704565.903	5741964.073	3667167.734	522337.0832
2029	7	4710947.315	5754719.96	3667174.67	525546.6755
2029	8	4718749.661	5763232.117	3674267.204	525904.0701
2029	9	4727331.128	5769343.121	3685319.135	524660.1749
2029	10	4737672.367	5770225.208	3705119.526	519897.4272
2029	11	4749100.431	5772627.242	3725573.621	515352.759
2029	12	4761439.804	5783950.559	3738929.049	514841.1683
2030	1	4772705.459	5802825.764	3742585.154	518672.6288
2030	2	4780141.831	5809314.937	3750968.725	518195.7074
2030	3	4786009.332	5810200.108	3761818.557	515687.0699
2030	4	4790705.294	5812701.402	3768709.186	514582.0398
2030	5	4795029.692	5824164.123	3765895.261	518176.2344

2030	6	4800463.328	5839787.738	3761138.919	523306.9583
2030	7	4807118.603	5852954.858	3761282.348	526585.717
2030	8	4815077.362	5861640.148	3768514.577	526951.53
2030	9	4823638.855	5867682.944	3779594.766	525683.3494
2030	10	4833842.917	5868203.222	3799482.612	520807.4976
2030	11	4845108.581	5870079.498	3820137.665	516079.8764
2030	12	4857332.831	5880779.364	3833886.297	515312.3391
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2036	11
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2038	12

Year	Month	Predicted	Simulated	Diff	%Diff	YTD Diff
2007	1					
2007	2	181.2529298	166.6735435	14.57938626	8.043669299	
2007	3	137.6099556	97.19417826	40.41577733	29.36980624	
2007	4	82.64220094	68.89784971	13.74435122	16.63115342	
2007	5	43.51636792	26.39865697	17.11771095	39.33625844	
2007	6	22.91157268	17.8927601	5.018812586	21.90514224	
2007	7	18.41415743	17.21944785	1.194709585	6.487994848	
2007	8	16.83509192	14.73292776	2.102164165	12.48679944	
2007	9	16.66339255	18.23332336	-1.56993081	-9.421435675	
2007	10	18.68282923	38.01528829	-19.33245905	-103.477149	
2007	11	58.5120404	98.63624748	-40.12420708	-68.5742743	
2007	12	129.4016323	153.8364575	-24.43482522	-18.8829343	
2008	1	163.6379891	172.2605861	-8.622597021	-5.269312503	-8.622597021
2008	2	172.0369179	161.5584293	10.47848863	6.090837225	1.855891614
2008	3	151.067017	121.4474174	29.61959957	19.60692689	31.47549119
2008	4	95.57797688	71.39499013	24.18298676	25.30183997	55.65847794
2008	5	59.01838466	40.58632835	18.43205631	31.23104168	74.09053425
2008	6	29.73019761	17.52988784	12.20030977	41.03675976	86.29084402
2008	7	18.58228827	17.04799021	1.534298065	8.25677679	87.82514208
2008	8	16.54930038	14.84649753	1.702802858	10.28927398	89.52794494
2008	9	19.01610649	19.21148123	-0.195374737	-1.027417139	89.33257021
2008	10	24.01780896	52.03155958	-28.01375061	-116.6374113	61.31881959
2008	11	62.48173166	95.02179603	-32.54006437	-52.07932544	28.77875522
2008	12	130.8996628	167.2314701	-36.3318073	-27.75546287	-7.553052083
2009	1	168.8689973	188.38667	-19.51767267	-11.55787799	-19.51767267
2009	2	167.7521337	135.8846066	31.86752704	18.99679387	12.34985437
2009	3	133.0174692	107.5122563	25.50521284	19.17433326	37.85506721
2009	4	88.52976743	65.17514695	23.35462048	26.38052844	61.20968769
2009	5	51.87479811	36.78213799	15.09266012	29.0943978	76.3023478
2009	6	32.2817525	25.23920277	7.042549734	21.81588417	83.34489754
2009	7	22.60581363	21.31805111	1.287762521	5.69659886	84.63266006
2009	8	19.64886258	19.12947412	0.51938846	2.643351276	85.15204852
2009	9	18.16733117	15.97792336	2.189407803	12.05134526	87.34145632
2009	10	37.83433461	73.10927951	-35.2749449	-93.2352723	52.06651142
2009	11	67.54968604	71.24837604	-3.698689997	-5.475510271	48.36782143
2009	12	105.074218	154.2602484	-49.18603042	-46.81075087	-0.818208993
2010	1	173.6849509	180.1088713	-6.423920353	-3.698605042	-6.423920353
2010	2	160.4115405	151.2119276	9.199612871	5.735006873	2.775692519
2010	3	134.9253753	91.97877706	42.94659824	31.82988978	45.72229076
2010	4	63.83915704	41.3449835	22.49417354	35.23569951	68.2164643
2010	5	45.93032735	37.28831571	8.642011642	18.81548018	76.85847594
2010	6	24.752165	18.75837659	5.993788408	24.21520869	82.85226435
2010	7	18.76470972	16.98584664	1.778863076	9.479832634	84.63112742
2010	8	16.38082083	14.29135566	2.089465176	12.75555845	86.7205926
2010	9	18.67535483	24.70525813	-6.029903302	-32.28802535	80.6906893
2010	10	25.98843933	43.74447217	-17.75603284	-68.32281312	62.93465646

2010	11	58.94655919	95.09773432	-36.15117513	-61.32872831	26.78348132
2010	12	131.8381005	161.834426	-29.99632552	-22.75239511	-3.212844197
2011	1	145.6850227	177.2919138	-31.60689118	-21.69536072	-31.60689118
2011	2	164.5807875	143.0117026	21.56908493	13.10546951	-10.03780625
2011	3	133.0510787	116.6855776	16.3655011	12.30016416	6.327694847
2011	4	91.33749165	67.6733357	23.66415595	25.90848021	29.9918508
2011	5	62.00911474	38.80990178	23.19921296	37.41258532	53.19106376
2011	6	28.13875248	21.68407835	6.454674126	22.93873593	59.64573789
2011	7	20.7711959	17.0233327	3.747863203	18.04356004	63.39360109
2011	8	16.38244927	14.05498752	2.327461744	14.20704381	65.72106283
2011	9	18.86421686	28.60988811	-9.745671251	-51.66220958	55.97539158
2011	10	26.05104823	43.27438037	-17.22333215	-66.11377783	38.75205943
2011	11	61.37056921	84.05621818	-22.68564897	-36.96502943	16.06641047
2011	12	106.5218038	123.9877304	-17.46592663	-16.39657422	-1.399516158
2012	1	141.0603151	141.6888986	-0.628583495	-0.445613278	-0.628583495
2012	2	136.6250491	122.4003588	14.22469037	10.41148051	13.59610687
2012	3	101.8073983	57.1694737	44.63792459	43.84546245	58.23403147
2012	4	45.55469955	54.72496939	-9.17026984	-20.13023888	49.06376163
2012	5	44.04038683	24.29902098	19.74136586	44.82559595	68.80512748
2012	6	22.23534537	17.67698061	4.558364764	20.50053502	73.36349225
2012	7	18.30631641	17.02074337	1.285573041	7.022565389	74.64906529
2012	8	17.20745978	15.70411862	1.503341153	8.736566423	76.15240644
2012	9	16.71066459	22.23589256	-5.525227967	-33.06408274	70.62717847
2012	10	31.17992739	53.09750648	-21.91757909	-70.29387468	48.70959939
2012	11	62.23815525	84.64946227	-22.41130702	-36.00895131	26.29829237
2012	12	98.40712676	131.0866611	-32.6795343	-33.20850367	-6.381241933
2013	1	166.1725393	159.5748901	6.597649161	3.970360681	6.597649161
2013	2	155.6630343	140.1848662	15.47816815	9.943380727	22.07581731
2013	3	138.4047795	134.3392201	4.065559341	2.937441436	26.14137665
2013	4	116.3881504	84.45393236	31.93421808	27.43768843	58.07559474
2013	5	68.58397895	44.5657863	24.01819265	35.02012134	82.09378739
2013	6	32.88604139	22.68078657	10.20525482	31.03217775	92.29904221
2013	7	19.25656384	19.34977695	-0.093213113	-0.48405891	92.20582909
2013	8	18.91666495	14.36003144	4.556633502	24.0879326	96.76246259
2013	9	15.67247904	18.48302225	-2.81054321	-17.93298433	93.95191938
2013	10	23.56794235	56.09381888	-32.52587654	-138.0089787	61.42604285
2013	11	75.81556089	106.4059539	-30.59039298	-40.34843589	30.83564987
2013	12	134.4283838	168.315662	-33.88727821	-25.20842493	-3.051628343
2014	1	160.9692949	191.3030555	-30.33376061	-18.84443902	-30.33376061
2014	2	186.9098848	176.7495715	10.16031328	5.435942188	-20.17344733
2014	3	167.0036621	132.7035443	34.30011789	20.53854236	14.12667056
2014	4	103.7870162	76.77039839	27.01661782	26.03082621	41.14328838
2014	5	64.45423901	38.27487112	26.17936789	40.61698391	67.32265627
2014	6	25.11934493	17.14919974	7.970145191	31.72911242	75.29280146
2014	7	19.61374255	19.55740536	0.056337187	0.287233233	75.34913865
2014	8	17.38729941	13.81819183	3.569107576	20.52709562	78.91824623
2014	9	19.10290034	25.01606053	-5.913160184	-30.95425343	73.00508604

2014	10	34.71260389	57.96252586	-23.24992197	-66.97832881	49.75516407
2014	11	75.77087534	126.3330645	-50.5621892	-66.73037492	-0.807025125
2014	12	135.5534871	133.8340264	1.719460616	1.268473909	0.912435491
2015	1	146.4869554	159.2059923	-12.71903687	-8.682709551	-12.71903687
2015	2	154.7772382	173.2770365	-18.49979836	-11.95253163	-31.21883522
2015	3	155.6882881	108.3950552	47.29323292	30.3768726	16.07439769
2015	4	82.9630716	59.39141797	23.57165362	28.41222386	39.64605132
2015	5	50.5384927	36.98897868	13.54951402	26.81028518	53.19556533
2015	6	29.93282302	18.22118786	11.71163516	39.12639698	64.90720049
2015	7	19.68987027	18.63576039	1.054109883	5.35356439	65.96131037
2015	8	17.70377051	15.91759445	1.786176051	10.08924088	67.74748643
2015	9	17.74102132	22.5681566	-4.827135283	-27.20889174	62.92035114
2015	10	30.93760106	54.40416183	-23.46656077	-75.8512618	39.45379037
2015	11	67.94797447	95.63297644	-27.68500197	-40.74441098	11.7687884
2015	12	117.7857329	142.57859	-24.79285709	-21.0491173	-13.02406869
2016	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2016	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2016	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2016	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2016	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2016	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2016	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2016	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2016	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2016	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2016	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2016	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2017	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2017	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2017	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2017	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2017	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2017	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2017	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2017	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2017	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2017	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2017	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2017	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2018	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2018	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2018	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2018	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2018	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2018	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2018	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2018	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512

2018	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2018	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2018	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2018	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2019	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2019	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2019	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2019	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2019	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2019	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2019	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2019	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2019	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2019	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2019	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2019	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2020	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2020	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2020	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2020	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2020	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2020	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2020	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2020	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2020	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2020	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2020	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2020	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2021	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2021	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2021	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2021	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2021	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2021	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2021	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2021	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2021	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2021	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2021	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2021	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2022	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2022	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2022	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2022	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2022	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2022	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2022	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906

2022	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2022	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2022	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2022	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2022	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2023	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2023	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2023	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2023	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2023	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2023	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2023	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2023	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2023	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2023	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2023	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2023	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2024	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2024	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2024	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2024	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2024	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2024	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2024	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2024	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2024	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2024	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2024	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2024	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
2025	1	154.8578671	166.0773344	-11.21946727	-7.245009553	-11.21946727
2025	2	161.4005233	146.0618186	15.33870479	9.50350375	4.119237521
2025	3	134.6838048	111.8525824	22.8312224	16.95172068	26.95045992
2025	4	88.72679197	64.33794023	24.38885174	27.4875843	51.33931166
2025	5	55.05879599	39.01336032	16.04543567	29.14236568	67.38474733
2025	6	30.92573726	21.37438952	9.55134774	30.8847859	76.93609507
2025	7	20.33286775	18.28358375	2.049283998	10.07867667	78.98537906
2025	8	17.69788041	15.91170436	1.786176051	10.09259872	80.77155512
2025	9	17.74115453	22.56828981	-4.827135283	-27.20868743	75.94441983
2025	10	30.93759805	54.40415882	-23.46656077	-75.85126919	52.47785906
2025	11	67.94797454	95.63297651	-27.68500197	-40.74441094	24.79285709
2025	12	117.7857329	142.57859	-24.79285709	-21.04911731	2.98428E-13
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Year	Month	Difference	HDD65	CalFeb	CalMar	CalMay	CalJun	CalJul	CalAug	CalSep
2007	1									
2007	2	14.57938626	12.60440335	4.983460902	-3.008477987	0	0	0	0	0
2007	3	40.41577733	37.40729934	0	3.008477987	0	0	0	0	0
2007	4	13.74435122	18.62414295	0	0	-4.879791728	0	0	0	0
2007	5	17.11771095	19.47039634	0	0	4.879791728	-7.232477115	0	0	0
2007	6	5.018812586	6.681419757	0	0	0	7.232477115	-8.895084287	0	0
2007	7	1.194709585	0.435706689	0	0	0	0	8.895084287	-8.13608139	0
2007	8	2.102164165	-0.660128476	0	0	0	0	0	8.13608139	-5.373788749
2007	9	-1.56993081	-6.94371956	0	0	0	0	0	0	5.373788749
2007	10	-19.33245905	-19.33245905	0	0	0	0	0	0	0
2007	11	-40.12420708	-40.12420708	0	0	0	0	0	0	0
2007	12	-24.43482522	-24.43482522	0	0	0	0	0	0	0
2008	1	-8.622597021	-3.639136118	-4.983460902	0	0	0	0	0	0
2008	2	10.47848863	8.50350572	4.983460902	-3.008477987	0	0	0	0	0
2008	3	29.61959957	26.61112158	0	3.008477987	0	0	0	0	0
2008	4	24.18298676	29.06277849	0	0	-4.879791728	0	0	0	0
2008	5	18.43205631	20.7847417	0	0	4.879791728	-7.232477115	0	0	0
2008	6	12.20030977	13.86291694	0	0	0	7.232477115	-8.895084287	0	0
2008	7	1.534298065	0.775295168	0	0	0	0	8.895084287	-8.13608139	0
2008	8	1.702802858	-1.059489783	0	0	0	0	0	8.13608139	-5.373788749
2008	9	-0.195374737	-5.569163486	0	0	0	0	0	0	5.373788749
2008	10	-28.01375061	-28.01375061	0	0	0	0	0	0	0
2008	11	-32.54006437	-32.54006437	0	0	0	0	0	0	0
2008	12	-36.3318073	-36.3318073	0	0	0	0	0	0	0
2009	1	-19.51767267	-14.53421177	-4.983460902	0	0	0	0	0	0
2009	2	31.86752704	29.89254413	4.983460902	-3.008477987	0	0	0	0	0
2009	3	25.50521284	22.49673485	0	3.008477987	0	0	0	0	0
2009	4	23.35462048	28.2344122	0	0	-4.879791728	0	0	0	0
2009	5	15.09266012	17.44534551	0	0	4.879791728	-7.232477115	0	0	0
2009	6	7.042549734	8.705156906	0	0	0	7.232477115	-8.895084287	0	0
2009	7	1.287762521	0.528759625	0	0	0	0	8.895084287	-8.13608139	0
2009	8	0.51938846	-2.242904181	0	0	0	0	0	8.13608139	-5.373788749
2009	9	2.189407803	-3.184380946	0	0	0	0	0	0	5.373788749
2009	10	-35.2749449	-35.2749449	0	0	0	0	0	0	0
2009	11	-3.698689997	-3.698689997	0	0	0	0	0	0	0
2009	12	-49.18603042	-49.18603042	0	0	0	0	0	0	0
2010	1	-6.423920353	-1.44045945	-4.983460902	0	0	0	0	0	0
2010	2	9.199612871	7.224629956	4.983460902	-3.008477987	0	0	0	0	0
2010	3	42.94659824	39.93812025	0	3.008477987	0	0	0	0	0
2010	4	22.49417354	27.37396527	0	0	-4.879791728	0	0	0	0
2010	5	8.642011642	10.99469703	0	0	4.879791728	-7.232477115	0	0	0
2010	6	5.993788408	7.656395579	0	0	0	7.232477115	-8.895084287	0	0
2010	7	1.778863076	1.019860179	0	0	0	0	8.895084287	-8.13608139	0
2010	8	2.089465176	-0.672827465	0	0	0	0	0	8.13608139	-5.373788749
2010	9	-6.029903302	-11.40369205	0	0	0	0	0	0	5.373788749
2010	10	-17.75603284	-17.75603284	0	0	0	0	0	0	0
2010	11	-36.15117513	-36.15117513	0	0	0	0	0	0	0
2010	12	-29.99632552	-29.99632552	0	0	0	0	0	0	0
2011	1	-31.60689118	-26.62343027	-4.983460902	0	0	0	0	0	0
2011	2	21.56908493	19.59410201	4.983460902	-3.008477987	0	0	0	0	0
2011	3	16.3655011	13.35702311	0	3.008477987	0	0	0	0	0
2011	4	23.66415595	28.54394768	0	0	-4.879791728	0	0	0	0
2011	5	23.19921296	25.55189835	0	0	4.879791728	-7.232477115	0	0	0
2011	6	6.454674126	8.117281298	0	0	0	7.232477115	-8.895084287	0	0
2011	7	3.747863203	2.988860306	0	0	0	0	8.895084287	-8.13608139	0
2011	8	2.327461744	-0.434830897	0	0	0	0	0	8.13608139	-5.373788749
2011	9	-9.745671251	-15.11946	0	0	0	0	0	0	5.373788749
2011	10	-17.22333215	-17.22333215	0	0	0	0	0	0	0
2011	11	-22.68564897	-22.68564897	0	0	0	0	0	0	0
2011	12	-17.46592663	-17.46592663	0	0	0	0	0	0	0
2012	1	-0.628583495	4.354877408	-4.983460902	0	0	0	0	0	0
2012	2	14.22469037	12.24970745	4.983460902	-3.008477987	0	0	0	0	0
2012	3	44.63792459	41.62944661	0	3.008477987	0	0	0	0	0
2012	4	-9.17026984	-4.290478112	0	0	-4.879791728	0	0	0	0

2012	5	19.74136586	22.09405124	0	0	4.879791728	-7.232477115	0	0	0
2012	6	4.558364764	6.220971935	0	0	0	7.232477115	-8.895084287	0	0
2012	7	1.285573041	0.526570144	0	0	0	0	8.895084287	-8.13608139	0
2012	8	1.503341153	-1.258951488	0	0	0	0	0	8.13608139	-5.373788749
2012	9	-5.525227967	-10.89901672	0	0	0	0	0	0	5.373788749
2012	10	-21.91757909	-21.91757909	0	0	0	0	0	0	0
2012	11	-22.41130702	-22.41130702	0	0	0	0	0	0	0
2012	12	-32.6795343	-32.6795343	0	0	0	0	0	0	0
2013	1	6.597649161	11.58111006	-4.983460902	0	0	0	0	0	0
2013	2	15.47816815	13.50318524	4.983460902	-3.008477987	0	0	0	0	0
2013	3	4.065559341	1.057081354	0	3.008477987	0	0	0	0	0
2013	4	31.93421808	36.81400981	0	0	-4.879791728	0	0	0	0
2013	5	24.01819265	26.37087804	0	0	4.879791728	-7.232477115	0	0	0
2013	6	10.20525482	11.86786199	0	0	0	7.232477115	-8.895084287	0	0
2013	7	-0.093213113	-0.85221601	0	0	0	0	8.895084287	-8.13608139	0
2013	8	4.556633502	1.794340861	0	0	0	0	0	8.13608139	-5.373788749
2013	9	-2.81054321	-8.184331959	0	0	0	0	0	0	5.373788749
2013	10	-32.52587654	-32.52587654	0	0	0	0	0	0	0
2013	11	-30.59039298	-30.59039298	0	0	0	0	0	0	0
2013	12	-33.88727821	-33.88727821	0	0	0	0	0	0	0
2014	1	-30.33376061	-25.35029971	-4.983460902	0	0	0	0	0	0
2014	2	10.16031328	8.185330363	4.983460902	-3.008477987	0	0	0	0	0
2014	3	34.30011789	31.29163991	0	3.008477987	0	0	0	0	0
2014	4	27.01661782	31.89640955	0	0	-4.879791728	0	0	0	0
2014	5	26.17936789	28.53205328	0	0	4.879791728	-7.232477115	0	0	0
2014	6	7.970145191	9.632752362	0	0	0	7.232477115	-8.895084287	0	0
2014	7	0.056337187	-0.70266571	0	0	0	0	8.895084287	-8.13608139	0
2014	8	3.569107576	0.806814935	0	0	0	0	0	8.13608139	-5.373788749
2014	9	-5.913160184	-11.28694893	0	0	0	0	0	0	5.373788749
2014	10	-23.24992197	-23.24992197	0	0	0	0	0	0	0
2014	11	-50.5621892	-50.5621892	0	0	0	0	0	0	0
2014	12	1.719460616	1.719460616	0	0	0	0	0	0	0
2015	1	-12.71903687	-7.735575965	-4.983460902	0	0	0	0	0	0
2015	2	-18.49979836	-20.47478127	4.983460902	-3.008477987	0	0	0	0	0
2015	3	47.29323292	44.28475493	0	3.008477987	0	0	0	0	0
2015	4	23.57165362	28.45144535	0	0	-4.879791728	0	0	0	0
2015	5	13.54951402	15.9021994	0	0	4.879791728	-7.232477115	0	0	0
2015	6	11.71163516	13.37424233	0	0	0	7.232477115	-8.895084287	0	0
2015	7	1.054109883	0.295106987	0	0	0	0	8.895084287	-8.13608139	0
2015	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2015	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2015	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2015	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2015	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2016	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2016	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2016	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2016	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2016	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2016	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2016	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2016	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2016	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2016	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2016	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2016	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2017	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2017	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2017	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2017	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2017	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2017	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2017	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2017	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2017	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749

2017	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2017	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2017	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2018	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2018	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2018	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2018	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2018	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2018	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2018	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2018	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2018	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2018	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2018	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2018	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2019	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2019	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2019	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2019	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2019	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2019	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2019	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2019	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2019	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2019	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2019	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2019	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2020	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2020	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2020	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2020	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2020	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2020	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2020	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2020	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2020	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2020	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2020	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2020	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2021	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2021	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2021	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2021	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2021	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2021	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2021	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2021	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2021	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2021	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2021	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2021	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2022	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2022	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2022	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2022	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2022	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2022	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2022	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2022	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2022	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2022	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2022	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2022	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2023	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2023	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0

2023	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2023	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2023	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2023	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2023	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2023	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2023	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2023	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2023	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2023	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2024	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2024	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2024	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2024	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2024	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2024	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2024	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2024	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2024	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2024	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2024	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2024	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
2025	1	-11.21946727	-6.236006365	-4.983460902	0	0	0	0	0	0
2025	2	15.33870479	13.36372187	4.983460902	-3.008477987	0	0	0	0	0
2025	3	22.8312224	19.82274441	0	3.008477987	0	0	0	0	0
2025	4	24.38885174	29.26864347	0	0	-4.879791728	0	0	0	0
2025	5	16.04543567	18.39812106	0	0	4.879791728	-7.232477115	0	0	0
2025	6	9.55134774	11.21395491	0	0	0	7.232477115	-8.895084287	0	0
2025	7	2.049283998	1.290281101	0	0	0	0	8.895084287	-8.13608139	0
2025	8	1.786176051	-0.976116589	0	0	0	0	0	8.13608139	-5.373788749
2025	9	-4.827135283	-10.20092403	0	0	0	0	0	0	5.373788749
2025	10	-23.46656077	-23.46656077	0	0	0	0	0	0	0
2025	11	-27.68500197	-27.68500197	0	0	0	0	0	0	0
2025	12	-24.79285709	-24.79285709	0	0	0	0	0	0	0
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Year	Month	Predicted	Simulated	Diff	%Diff	YTD Diff
2007	1	166.90	175.48	-8.575	-5.14	-8.575
2007	2	168.90	153.62	15.274	9.04	6.699
2007	3	163.16	117.83	45.330	27.78	52.029
2007	4	98.60	76.03	22.569	22.89	74.598
2007	5	13.51	-10.08	23.594	174.59	98.192
2007	6	19.14	11.05	8.096	42.29	106.288
2007	7	-10.96	-11.49	0.528	-4.82	106.816
2007	8	7.65	8.45	-0.800	-10.45	106.016
2007	9	1.17	9.58	-8.414	-721.83	97.602
2007	10	20.99	44.42	-23.427	-111.60	74.175
2007	11	56.81	105.43	-48.622	-85.59	25.553
2007	12	130.58	160.19	-29.610	-22.68	-4.057
2008	1	178.45	182.86	-4.410	-2.47	-4.410
2008	2	184.87	174.56	10.304	5.57	5.895
2008	3	179.63	147.38	32.247	17.95	38.142
2008	4	106.95	71.73	35.218	32.93	73.360
2008	5	43.33	18.15	25.187	58.12	98.547
2008	6	16.70	-0.10	16.799	100.60	115.346
2008	7	-5.99	-6.93	0.939	-15.69	116.285
2008	8	4.25	5.54	-1.284	-30.19	115.001
2008	9	6.18	12.93	-6.749	-109.19	108.253
2008	10	25.04	58.99	-33.947	-135.55	74.306
2008	11	60.15	99.58	-39.432	-65.55	34.874
2008	12	133.97	178.00	-44.027	-32.86	-9.153
2009	1	185.97	203.58	-17.612	-9.47	-17.612
2009	2	212.11	175.88	36.224	17.08	18.611
2009	3	157.41	130.15	27.261	17.32	45.872
2009	4	106.88	72.66	34.214	32.01	80.087
2009	5	37.55	16.41	21.140	56.30	101.227
2009	6	17.48	6.93	10.549	60.35	111.776
2009	7	-0.73	-1.37	0.641	-87.75	112.416
2009	8	5.64	8.36	-2.718	-48.17	109.699
2009	9	7.90	11.76	-3.859	-48.86	105.840
2009	10	41.37	84.12	-42.746	-103.32	63.094
2009	11	59.25	63.74	-4.482	-7.56	58.612
2009	12	114.54	174.14	-59.603	-52.04	-0.991
2010	1	182.33	184.07	-1.746	-0.96	-1.746
2010	2	187.83	179.07	8.755	4.66	7.009
2010	3	143.52	95.13	48.397	33.72	55.406
2010	4	68.07	34.90	33.172	48.73	88.578
2010	5	36.90	23.58	13.323	36.10	101.901
2010	6	1.80	-7.48	9.278	515.08	111.179
2010	7	6.45	5.22	1.236	19.15	112.415
2010	8	-2.25	-1.43	-0.815	36.28	111.599
2010	9	11.92	25.74	-13.819	-115.97	97.780
2010	10	26.53	48.04	-21.517	-81.12	76.264

2010	11	57.74	101.55	-43.808	-75.87	32.456
2010	12	135.63	171.98	-36.349	-26.80	-3.893
2011	1	165.38	197.65	-32.262	-19.51	-32.262
2011	2	218.10	194.36	23.744	10.89	-8.518
2011	3	144.79	128.61	16.186	11.18	7.668
2011	4	120.81	86.22	34.589	28.63	42.257
2011	5	50.73	19.76	30.964	61.04	73.221
2011	6	4.64	-5.19	9.836	211.83	83.057
2011	7	4.15	0.53	3.622	87.32	86.679
2011	8	-0.01	0.52	-0.527	9678.45	86.152
2011	9	9.87	28.19	-18.322	-185.66	67.831
2011	10	33.02	53.89	-20.871	-63.21	46.959
2011	11	64.20	91.69	-27.490	-42.82	19.469
2011	12	106.70	127.86	-21.165	-19.84	-1.696
2012	1	148.60	143.32	5.277	3.55	5.277
2012	2	126.97	112.12	14.844	11.69	20.121
2012	3	124.70	74.26	50.446	40.45	70.568
2012	4	42.54	47.74	-5.199	-12.22	65.368
2012	5	28.20	1.43	26.773	94.94	92.142
2012	6	0.49	-7.05	7.539	1552.20	99.680
2012	7	4.30	3.66	0.638	14.86	100.318
2012	8	-5.09	-3.57	-1.526	29.97	98.793
2012	9	7.15	20.36	-13.207	-184.66	85.585
2012	10	30.92	57.48	-26.560	-85.89	59.026
2012	11	56.93	84.09	-27.158	-47.70	31.868
2012	12	102.47	142.07	-39.601	-38.65	-7.733
2013	1	184.03	170.00	14.034	7.63	14.034
2013	2	167.22	150.86	16.363	9.79	30.397
2013	3	176.38	175.10	1.281	0.73	31.678
2013	4	127.93	83.32	44.611	34.87	76.289
2013	5	66.88	34.93	31.956	47.78	108.245
2013	6	24.39	10.01	14.381	58.97	122.626
2013	7	-8.43	-7.40	-1.033	12.25	121.594
2013	8	8.62	6.45	2.174	25.22	123.768
2013	9	-0.78	9.14	-9.918	1275.55	113.850
2013	10	27.56	66.98	-39.415	-143.00	74.436
2013	11	73.15	110.22	-37.069	-50.67	37.366
2013	12	140.40	181.47	-41.064	-29.25	-3.698
2014	1	221.72	252.44	-30.719	-13.85	-30.719
2014	2	273.57	263.65	9.919	3.63	-20.800
2014	3	226.00	188.08	37.919	16.78	17.119
2014	4	161.29	122.64	38.652	23.96	55.770
2014	5	76.09	41.52	34.575	45.44	90.345
2014	6	36.01	24.33	11.673	32.42	102.018
2014	7	20.66	21.51	-0.851	-4.12	101.167
2014	8	21.61	20.63	0.978	4.52	102.144
2014	9	29.43	43.11	-13.677	-46.47	88.467

2014	10	55.98	84.15	-28.174	-50.33	60.293
2014	11	92.71	153.98	-61.271	-66.09	-0.978
2014	12	162.72	160.64	2.084	1.28	1.106
2015	1	211.47	220.85	-9.374	-4.43	-9.374
2015	2	203.19	228.00	-24.811	-12.21	-34.185
2015	3	212.99	159.33	53.664	25.20	19.479
2015	4	143.00	108.52	34.477	24.11	53.956
2015	5	51.84	32.57	19.270	37.17	73.226
2015	6	45.80	29.59	16.207	35.39	89.433
2015	7	5.06	4.70	0.358	7.07	89.791
2015	8	26.81	28.00	-1.183	-4.41	88.608
2015	9	31.79	44.15	-12.361	-38.89	76.246
2015	10	60.77	89.21	-28.437	-46.79	47.810
2015	11	105.59	139.14	-33.548	-31.77	14.261
2015	12	165.95	196.00	-30.044	-18.10	-15.782
2016	1	210.85	218.40	-7.557	-3.58	-7.557
2016	2	206.66	190.47	16.194	7.84	8.637
2016	3	179.05	155.02	24.021	13.42	32.658
2016	4	130.61	95.15	35.468	27.15	68.126
2016	5	77.96	55.66	22.295	28.60	90.421
2016	6	42.98	29.39	13.589	31.62	104.010
2016	7	26.08	24.52	1.564	5.99	105.573
2016	8	24.70	25.88	-1.183	-4.79	104.390
2016	9	31.42	43.78	-12.361	-39.35	92.029
2016	10	60.40	88.84	-28.437	-47.08	63.592
2016	11	105.22	138.77	-33.548	-31.88	30.044
2016	12	165.58	195.62	-30.044	-18.14	0.000
2017	1	210.47	218.03	-7.557	-3.59	-7.557
2017	2	206.29	190.10	16.194	7.85	8.637
2017	3	178.67	154.65	24.021	13.44	32.658
2017	4	130.24	94.77	35.468	27.23	68.126
2017	5	77.58	55.29	22.295	28.74	90.421
2017	6	42.61	29.02	13.589	31.89	104.010
2017	7	25.71	24.15	1.564	6.08	105.573
2017	8	24.33	25.51	-1.183	-4.86	104.390
2017	9	31.04	43.40	-12.361	-39.82	92.029
2017	10	60.03	88.46	-28.437	-47.37	63.592
2017	11	104.84	138.39	-33.548	-32.00	30.044
2017	12	165.21	195.25	-30.044	-18.19	0.000
2018	1	210.10	217.65	-7.557	-3.60	-7.557
2018	2	205.92	189.72	16.194	7.86	8.637
2018	3	178.30	154.28	24.021	13.47	32.658
2018	4	129.87	94.40	35.468	27.31	68.126
2018	5	77.21	54.92	22.295	28.87	90.421
2018	6	42.23	28.64	13.589	32.18	104.010
2018	7	25.34	23.77	1.564	6.17	105.573
2018	8	23.95	25.14	-1.183	-4.94	104.390

2018	9	30.67	43.03	-12.361	-40.31	92.029
2018	10	59.65	88.09	-28.437	-47.67	63.592
2018	11	104.47	138.02	-33.548	-32.11	30.044
2018	12	164.83	194.88	-30.044	-18.23	0.000
2019	1	209.72	217.28	-7.557	-3.60	-7.557
2019	2	205.54	189.35	16.194	7.88	8.637
2019	3	177.92	153.90	24.021	13.50	32.658
2019	4	129.49	94.03	35.468	27.39	68.126
2019	5	76.84	54.54	22.295	29.02	90.421
2019	6	41.86	28.27	13.589	32.46	104.010
2019	7	24.96	23.40	1.564	6.26	105.573
2019	8	23.58	24.76	-1.183	-5.02	104.390
2019	9	30.29	42.66	-12.361	-40.80	92.029
2019	10	59.28	87.72	-28.437	-47.97	63.592
2019	11	104.10	137.64	-33.548	-32.23	30.044
2019	12	164.46	194.50	-30.044	-18.27	0.000
2020	1	209.35	216.91	-7.557	-3.61	-7.557
2020	2	205.17	188.98	16.194	7.89	8.637
2020	3	177.55	153.53	24.021	13.53	32.658
2020	4	129.12	93.65	35.468	27.47	68.126
2020	5	76.46	54.17	22.295	29.16	90.421
2020	6	41.49	27.90	13.589	32.76	104.010
2020	7	24.59	23.03	1.564	6.36	105.573
2020	8	23.20	24.39	-1.183	-5.10	104.390
2020	9	29.92	42.28	-12.361	-41.31	92.029
2020	10	58.90	87.34	-28.437	-48.28	63.592
2020	11	103.72	137.27	-33.548	-32.34	30.044
2020	12	164.08	194.13	-30.044	-18.31	0.000
2021	1	208.98	216.53	-7.557	-3.62	-7.557
2021	2	204.80	188.60	16.194	7.91	8.637
2021	3	177.18	153.16	24.021	13.56	32.658
2021	4	128.75	93.28	35.468	27.55	68.126
2021	5	76.09	53.80	22.295	29.30	90.421
2021	6	41.11	27.52	13.589	33.05	104.010
2021	7	24.22	22.65	1.564	6.46	105.573
2021	8	22.83	24.01	-1.183	-5.18	104.390
2021	9	29.55	41.91	-12.361	-41.84	92.029
2021	10	58.53	86.97	-28.437	-48.58	63.592
2021	11	103.35	136.90	-33.548	-32.46	30.044
2021	12	163.71	193.75	-30.044	-18.35	0.000
2022	1	208.60	216.16	-7.557	-3.62	-7.557
2022	2	204.42	188.23	16.194	7.92	8.637
2022	3	176.80	152.78	24.021	13.59	32.658
2022	4	128.37	92.91	35.468	27.63	68.126
2022	5	75.72	53.42	22.295	29.44	90.421
2022	6	40.74	27.15	13.589	33.36	104.010
2022	7	23.84	22.28	1.564	6.56	105.573

2022	8	22.46	23.64	-1.183	-5.27	104.390
2022	9	29.17	41.53	-12.361	-42.37	92.029
2022	10	58.16	86.59	-28.437	-48.90	63.592
2022	11	102.98	136.52	-33.548	-32.58	30.044
2022	12	163.34	193.38	-30.044	-18.39	0.000
2023	1	208.23	215.79	-7.557	-3.63	-7.557
2023	2	204.05	187.86	16.194	7.94	8.637
2023	3	176.43	152.41	24.021	13.62	32.658
2023	4	128.00	92.53	35.468	27.71	68.126
2023	5	75.34	53.05	22.295	29.59	90.421
2023	6	40.37	26.78	13.589	33.66	104.010
2023	7	23.47	21.90	1.564	6.66	105.573
2023	8	22.08	23.27	-1.183	-5.36	104.390
2023	9	28.80	41.16	-12.361	-42.92	92.029
2023	10	57.78	86.22	-28.437	-49.21	63.592
2023	11	102.60	136.15	-33.548	-32.70	30.044
2023	12	162.96	193.01	-30.044	-18.44	0.000
2024	1	207.86	215.41	-7.557	-3.64	-7.557
2024	2	203.68	187.48	16.194	7.95	8.637
2024	3	176.06	152.03	24.021	13.64	32.658
2024	4	127.63	92.16	35.468	27.79	68.126
2024	5	74.97	52.67	22.295	29.74	90.421
2024	6	39.99	26.40	13.589	33.98	104.010
2024	7	23.09	21.53	1.564	6.77	105.573
2024	8	21.71	22.89	-1.183	-5.45	104.390
2024	9	28.43	40.79	-12.361	-43.49	92.029
2024	10	57.41	85.85	-28.437	-49.53	63.592
2024	11	102.23	135.78	-33.548	-32.82	30.044
2024	12	162.59	192.63	-30.044	-18.48	0.000
2025	1	207.48	215.04	-7.557	-3.64	-7.557
2025	2	203.30	187.11	16.194	7.97	8.637
2025	3	175.68	151.66	24.021	13.67	32.658
2025	4	127.25	91.78	35.468	27.87	68.126
2025	5	74.60	52.30	22.295	29.89	90.421
2025	6	39.62	26.03	13.589	34.30	104.010
2025	7	22.72	21.16	1.564	6.88	105.573
2025	8	21.34	22.52	-1.183	-5.54	104.390
2025	9	28.05	40.41	-12.361	-44.07	92.029
2025	10	57.04	85.47	-28.437	-49.86	63.592
2025	11	101.85	135.40	-33.548	-32.94	30.044
2025	12	162.22	192.26	-30.044	-18.52	0.000
2026	1	207.11	214.67	-7.557	-3.65	-7.557
2026	2	202.93	186.73	16.194	7.98	8.637
2026	3	175.31	151.29	24.021	13.70	32.658
2026	4	126.88	91.41	35.468	27.95	68.126
2026	5	74.22	51.93	22.295	30.04	90.421
2026	6	39.24	25.66	13.589	34.63	104.010

2026	7	22.35	20.78	1.564	7.00	105.573
2026	8	20.96	22.15	-1.183	-5.64	104.390
2026	9	27.68	40.04	-12.361	-44.66	92.029
2026	10	56.66	85.10	-28.437	-50.19	63.592
2026	11	101.48	135.03	-33.548	-33.06	30.044
2026	12	161.84	191.89	-30.044	-18.56	0.000
2027	1	206.73	214.29	-7.557	-3.66	-7.557
2027	2	202.55	186.36	16.194	7.99	8.637
2027	3	174.93	150.91	24.021	13.73	32.658
2027	4	126.50	91.04	35.468	28.04	68.126
2027	5	73.85	51.55	22.295	30.19	90.421
2027	6	38.87	25.28	13.589	34.96	104.010
2027	7	21.97	20.41	1.564	7.12	105.573
2027	8	20.59	21.77	-1.183	-5.75	104.390
2027	9	27.31	39.67	-12.361	-45.27	92.029
2027	10	56.29	84.73	-28.437	-50.52	63.592
2027	11	101.11	134.66	-33.548	-33.18	30.044
2027	12	161.47	191.51	-30.044	-18.61	0.000
2028	1	206.36	213.92	-7.557	-3.66	-7.557
2028	2	202.18	185.99	16.194	8.01	8.637
2028	3	174.56	150.54	24.021	13.76	32.658
2028	4	126.13	90.66	35.468	28.12	68.126
2028	5	73.47	51.18	22.295	30.34	90.421
2028	6	38.50	24.91	13.589	35.30	104.010
2028	7	21.60	20.04	1.564	7.24	105.573
2028	8	20.22	21.40	-1.183	-5.85	104.390
2028	9	26.93	39.29	-12.361	-45.90	92.029
2028	10	55.92	84.35	-28.437	-50.86	63.592
2028	11	100.73	134.28	-33.548	-33.30	30.044
2028	12	161.10	191.14	-30.044	-18.65	0.000
2029	1	205.99	213.54	-7.557	-3.67	-7.557
2029	2	201.81	185.61	16.194	8.02	8.637
2029	3	174.19	150.17	24.021	13.79	32.658
2029	4	125.76	90.29	35.468	28.20	68.126
2029	5	73.10	50.81	22.295	30.50	90.421
2029	6	38.12	24.53	13.589	35.64	104.010
2029	7	21.23	19.66	1.564	7.37	105.573
2029	8	19.84	21.02	-1.183	-5.96	104.390
2029	9	26.56	38.92	-12.361	-46.55	92.029
2029	10	55.54	83.98	-28.437	-51.20	63.592
2029	11	100.36	133.91	-33.548	-33.43	30.044
2029	12	160.72	190.77	-30.044	-18.69	0.000
2030	1	205.61	213.17	-7.557	-3.68	-7.557
2030	2	201.43	185.24	16.194	8.04	8.637
2030	3	173.81	149.79	24.021	13.82	32.658
2030	4	125.38	89.92	35.468	28.29	68.126
2030	5	72.73	50.43	22.295	30.66	90.421

2030	6	37.75	24.16	13.589	36.00	104.010
2030	7	20.85	19.29	1.564	7.50	105.573
2030	8	19.47	20.65	-1.183	-6.08	104.390
2030	9	26.18	38.55	-12.361	-47.21	92.029
2030	10	55.17	83.60	-28.437	-51.55	63.592
2030	11	99.99	133.53	-33.548	-33.55	30.044
2030	12	160.35	190.39	-30.044	-18.74	0.000
2031	1					
2031	2					
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2031	4					
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2040	12

Year	Month	Difference	HDD65
2007	1	-8.57	-8.57
2007	2	15.27	15.27
2007	3	45.33	45.33
2007	4	22.57	22.57
2007	5	23.59	23.59
2007	6	8.10	8.10
2007	7	0.53	0.53
2007	8	-0.80	-0.80
2007	9	-8.41	-8.41
2007	10	-23.43	-23.43
2007	11	-48.62	-48.62
2007	12	-29.61	-29.61
2008	1	-4.41	-4.41
2008	2	10.30	10.30
2008	3	32.25	32.25
2008	4	35.22	35.22
2008	5	25.19	25.19
2008	6	16.80	16.80
2008	7	0.94	0.94
2008	8	-1.28	-1.28
2008	9	-6.75	-6.75
2008	10	-33.95	-33.95
2008	11	-39.43	-39.43
2008	12	-44.03	-44.03
2009	1	-17.61	-17.61
2009	2	36.22	36.22
2009	3	27.26	27.26
2009	4	34.21	34.21
2009	5	21.14	21.14
2009	6	10.55	10.55
2009	7	0.64	0.64
2009	8	-2.72	-2.72
2009	9	-3.86	-3.86
2009	10	-42.75	-42.75
2009	11	-4.48	-4.48
2009	12	-59.60	-59.60
2010	1	-1.75	-1.75
2010	2	8.75	8.75
2010	3	48.40	48.40
2010	4	33.17	33.17
2010	5	13.32	13.32
2010	6	9.28	9.28
2010	7	1.24	1.24
2010	8	-0.82	-0.82
2010	9	-13.82	-13.82
2010	10	-21.52	-21.52

2010	11	-43.81	-43.81
2010	12	-36.35	-36.35
2011	1	-32.26	-32.26
2011	2	23.74	23.74
2011	3	16.19	16.19
2011	4	34.59	34.59
2011	5	30.96	30.96
2011	6	9.84	9.84
2011	7	3.62	3.62
2011	8	-0.53	-0.53
2011	9	-18.32	-18.32
2011	10	-20.87	-20.87
2011	11	-27.49	-27.49
2011	12	-21.17	-21.17
2012	1	5.28	5.28
2012	2	14.84	14.84
2012	3	50.45	50.45
2012	4	-5.20	-5.20
2012	5	26.77	26.77
2012	6	7.54	7.54
2012	7	0.64	0.64
2012	8	-1.53	-1.53
2012	9	-13.21	-13.21
2012	10	-26.56	-26.56
2012	11	-27.16	-27.16
2012	12	-39.60	-39.60
2013	1	14.03	14.03
2013	2	16.36	16.36
2013	3	1.28	1.28
2013	4	44.61	44.61
2013	5	31.96	31.96
2013	6	14.38	14.38
2013	7	-1.03	-1.03
2013	8	2.17	2.17
2013	9	-9.92	-9.92
2013	10	-39.41	-39.41
2013	11	-37.07	-37.07
2013	12	-41.06	-41.06
2014	1	-30.72	-30.72
2014	2	9.92	9.92
2014	3	37.92	37.92
2014	4	38.65	38.65
2014	5	34.57	34.57
2014	6	11.67	11.67
2014	7	-0.85	-0.85
2014	8	0.98	0.98
2014	9	-13.68	-13.68

2014	10	-28.17	-28.17
2014	11	-61.27	-61.27
2014	12	2.08	2.08
2015	1	-9.37	-9.37
2015	2	-24.81	-24.81
2015	3	53.66	53.66
2015	4	34.48	34.48
2015	5	19.27	19.27
2015	6	16.21	16.21
2015	7	0.36	0.36
2015	8	-1.18	-1.18
2015	9	-12.36	-12.36
2015	10	-28.44	-28.44
2015	11	-33.55	-33.55
2015	12	-30.04	-30.04
2016	1	-7.56	-7.56
2016	2	16.19	16.19
2016	3	24.02	24.02
2016	4	35.47	35.47
2016	5	22.29	22.29
2016	6	13.59	13.59
2016	7	1.56	1.56
2016	8	-1.18	-1.18
2016	9	-12.36	-12.36
2016	10	-28.44	-28.44
2016	11	-33.55	-33.55
2016	12	-30.04	-30.04
2017	1	-7.56	-7.56
2017	2	16.19	16.19
2017	3	24.02	24.02
2017	4	35.47	35.47
2017	5	22.29	22.29
2017	6	13.59	13.59
2017	7	1.56	1.56
2017	8	-1.18	-1.18
2017	9	-12.36	-12.36
2017	10	-28.44	-28.44
2017	11	-33.55	-33.55
2017	12	-30.04	-30.04
2018	1	-7.56	-7.56
2018	2	16.19	16.19
2018	3	24.02	24.02
2018	4	35.47	35.47
2018	5	22.29	22.29
2018	6	13.59	13.59
2018	7	1.56	1.56
2018	8	-1.18	-1.18

2018	9	-12.36	-12.36
2018	10	-28.44	-28.44
2018	11	-33.55	-33.55
2018	12	-30.04	-30.04
2019	1	-7.56	-7.56
2019	2	16.19	16.19
2019	3	24.02	24.02
2019	4	35.47	35.47
2019	5	22.29	22.29
2019	6	13.59	13.59
2019	7	1.56	1.56
2019	8	-1.18	-1.18
2019	9	-12.36	-12.36
2019	10	-28.44	-28.44
2019	11	-33.55	-33.55
2019	12	-30.04	-30.04
2020	1	-7.56	-7.56
2020	2	16.19	16.19
2020	3	24.02	24.02
2020	4	35.47	35.47
2020	5	22.29	22.29
2020	6	13.59	13.59
2020	7	1.56	1.56
2020	8	-1.18	-1.18
2020	9	-12.36	-12.36
2020	10	-28.44	-28.44
2020	11	-33.55	-33.55
2020	12	-30.04	-30.04
2021	1	-7.56	-7.56
2021	2	16.19	16.19
2021	3	24.02	24.02
2021	4	35.47	35.47
2021	5	22.29	22.29
2021	6	13.59	13.59
2021	7	1.56	1.56
2021	8	-1.18	-1.18
2021	9	-12.36	-12.36
2021	10	-28.44	-28.44
2021	11	-33.55	-33.55
2021	12	-30.04	-30.04
2022	1	-7.56	-7.56
2022	2	16.19	16.19
2022	3	24.02	24.02
2022	4	35.47	35.47
2022	5	22.29	22.29
2022	6	13.59	13.59
2022	7	1.56	1.56

2022	8	-1.18	-1.18
2022	9	-12.36	-12.36
2022	10	-28.44	-28.44
2022	11	-33.55	-33.55
2022	12	-30.04	-30.04
2023	1	-7.56	-7.56
2023	2	16.19	16.19
2023	3	24.02	24.02
2023	4	35.47	35.47
2023	5	22.29	22.29
2023	6	13.59	13.59
2023	7	1.56	1.56
2023	8	-1.18	-1.18
2023	9	-12.36	-12.36
2023	10	-28.44	-28.44
2023	11	-33.55	-33.55
2023	12	-30.04	-30.04
2024	1	-7.56	-7.56
2024	2	16.19	16.19
2024	3	24.02	24.02
2024	4	35.47	35.47
2024	5	22.29	22.29
2024	6	13.59	13.59
2024	7	1.56	1.56
2024	8	-1.18	-1.18
2024	9	-12.36	-12.36
2024	10	-28.44	-28.44
2024	11	-33.55	-33.55
2024	12	-30.04	-30.04
2025	1	-7.56	-7.56
2025	2	16.19	16.19
2025	3	24.02	24.02
2025	4	35.47	35.47
2025	5	22.29	22.29
2025	6	13.59	13.59
2025	7	1.56	1.56
2025	8	-1.18	-1.18
2025	9	-12.36	-12.36
2025	10	-28.44	-28.44
2025	11	-33.55	-33.55
2025	12	-30.04	-30.04
2026	1	-7.56	-7.56
2026	2	16.19	16.19
2026	3	24.02	24.02
2026	4	35.47	35.47
2026	5	22.29	22.29
2026	6	13.59	13.59

2026	7	1.56	1.56
2026	8	-1.18	-1.18
2026	9	-12.36	-12.36
2026	10	-28.44	-28.44
2026	11	-33.55	-33.55
2026	12	-30.04	-30.04
2027	1	-7.56	-7.56
2027	2	16.19	16.19
2027	3	24.02	24.02
2027	4	35.47	35.47
2027	5	22.29	22.29
2027	6	13.59	13.59
2027	7	1.56	1.56
2027	8	-1.18	-1.18
2027	9	-12.36	-12.36
2027	10	-28.44	-28.44
2027	11	-33.55	-33.55
2027	12	-30.04	-30.04
2028	1	-7.56	-7.56
2028	2	16.19	16.19
2028	3	24.02	24.02
2028	4	35.47	35.47
2028	5	22.29	22.29
2028	6	13.59	13.59
2028	7	1.56	1.56
2028	8	-1.18	-1.18
2028	9	-12.36	-12.36
2028	10	-28.44	-28.44
2028	11	-33.55	-33.55
2028	12	-30.04	-30.04
2029	1	-7.56	-7.56
2029	2	16.19	16.19
2029	3	24.02	24.02
2029	4	35.47	35.47
2029	5	22.29	22.29
2029	6	13.59	13.59
2029	7	1.56	1.56
2029	8	-1.18	-1.18
2029	9	-12.36	-12.36
2029	10	-28.44	-28.44
2029	11	-33.55	-33.55
2029	12	-30.04	-30.04
2030	1	-7.56	-7.56
2030	2	16.19	16.19
2030	3	24.02	24.02
2030	4	35.47	35.47
2030	5	22.29	22.29

2030	6	13.59	13.59
2030	7	1.56	1.56
2030	8	-1.18	-1.18
2030	9	-12.36	-12.36
2030	10	-28.44	-28.44
2030	11	-33.55	-33.55
2030	12	-30.04	-30.04
2031	1		
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2032	1		
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2040	12

Year	Month	Predicted	Simulated	Diff	%Diff	YTD Diff
2007	1	2,371,583.96	2,478,407.19	-106,823.230	-4.50	-106,823.230
2007	2	2,642,047.49	2,451,763.45	190,284.042	7.20	83,460.813
2007	3	2,235,272.80	1,670,548.56	564,724.242	25.26	648,185.055
2007	4	1,584,973.84	1,303,812.01	281,161.837	17.74	929,346.892
2007	5	667,817.51	373,880.10	293,937.414	44.01	1,223,284.306
2007	6	464,665.58	363,798.64	100,866.937	21.71	1,324,151.243
2007	7	236,671.88	230,094.18	6,577.704	2.78	1,330,728.947
2007	8	307,378.65	317,344.37	-9,965.717	-3.24	1,320,763.230
2007	9	346,208.99	451,035.77	-104,826.781	-30.28	1,215,936.449
2007	10	530,592.92	822,447.94	-291,855.025	-55.01	924,081.424
2007	11	1,078,954.36	1,684,694.76	-605,740.399	-56.14	318,341.025
2007	12	2,062,522.02	2,431,405.60	-368,883.571	-17.89	-50,542.546
2008	1	2,649,421.24	2,704,359.94	-54,938.700	-2.07	-54,938.700
2008	2	2,669,109.02	2,540,734.72	128,374.299	4.81	73,435.599
2008	3	2,537,382.84	2,135,644.52	401,738.317	15.83	475,173.916
2008	4	1,726,562.53	1,287,812.45	438,750.079	25.41	913,923.995
2008	5	967,103.78	653,324.18	313,779.602	32.45	1,227,703.597
2008	6	499,909.69	290,626.33	209,283.359	41.86	1,436,986.956
2008	7	291,979.93	280,275.58	11,704.346	4.01	1,448,691.303
2008	8	298,385.92	314,380.64	-15,994.728	-5.36	1,432,696.575
2008	9	401,375.90	485,451.51	-84,075.613	-20.95	1,348,620.962
2008	10	601,944.88	1,024,858.17	-422,913.291	-70.26	925,707.670
2008	11	1,139,901.20	1,631,146.59	-491,245.386	-43.10	434,462.285
2008	12	2,088,717.32	2,637,205.25	-548,487.934	-26.26	-114,025.650
2009	1	2,709,066.54	2,928,484.20	-219,417.650	-8.10	-219,417.650
2009	2	2,776,288.28	2,325,011.53	451,276.746	16.25	231,859.096
2009	3	2,187,679.00	1,848,054.07	339,624.933	15.52	571,484.029
2009	4	1,564,739.69	1,138,495.15	426,244.538	27.24	997,728.567
2009	5	901,234.17	637,868.21	263,365.966	29.22	1,261,094.533
2009	6	521,921.02	390,502.47	131,418.553	25.18	1,392,513.086
2009	7	325,006.70	317,024.21	7,982.490	2.46	1,400,495.575
2009	8	345,613.72	379,474.02	-33,860.300	-9.80	1,366,635.276
2009	9	391,517.83	439,591.25	-48,073.428	-12.28	1,318,561.848
2009	10	822,767.61	1,355,300.48	-532,532.871	-64.72	786,028.976
2009	11	1,137,020.94	1,192,858.71	-55,837.763	-4.91	730,191.214
2009	12	1,786,214.27	2,528,757.68	-742,543.414	-41.57	-12,352.200
2010	1	2,733,082.47	2,754,828.55	-21,746.087	-0.80	-21,746.087
2010	2	2,521,054.24	2,411,986.66	109,067.582	4.33	87,321.495
2010	3	2,241,834.98	1,638,903.86	602,931.115	26.89	690,252.610
2010	4	1,198,364.65	785,109.96	413,254.687	34.48	1,103,507.297
2010	5	808,196.24	642,213.34	165,982.898	20.54	1,269,490.195
2010	6	379,510.21	263,924.42	115,585.789	30.46	1,385,075.984
2010	7	334,457.69	319,061.23	15,396.454	4.60	1,400,472.438
2010	8	296,888.69	307,046.12	-10,157.429	-3.42	1,390,315.009
2010	9	405,757.84	577,915.19	-172,157.345	-42.43	1,218,157.664
2010	10	637,091.15	905,147.45	-268,056.298	-42.08	950,101.365

2010	11	1,079,440.35	1,625,201.35	-545,760.997	-50.56	404,340.368
2010	12	2,079,871.37	2,532,714.87	-452,843.496	-21.77	-48,503.127
2011	1	2,361,887.26	2,763,811.40	-401,924.136	-17.02	-401,924.136
2011	2	2,812,859.70	2,517,054.75	295,804.953	10.52	-106,119.184
2011	3	2,139,447.50	1,937,801.43	201,646.066	9.43	95,526.882
2011	4	1,694,813.45	1,263,895.96	430,917.482	25.43	526,444.364
2011	5	1,023,049.77	637,302.16	385,747.613	37.71	912,191.977
2011	6	503,080.43	380,536.82	122,543.611	24.36	1,034,735.587
2011	7	361,186.63	316,064.91	45,121.725	12.49	1,079,857.312
2011	8	308,706.65	315,271.14	-6,564.482	-2.13	1,073,292.830
2011	9	528,779.48	757,032.41	-228,252.928	-43.17	845,039.903
2011	10	610,607.75	870,622.06	-260,014.312	-42.58	585,025.591
2011	11	1,156,019.33	1,498,496.23	-342,476.900	-29.63	242,548.691
2011	12	1,713,171.51	1,976,848.18	-263,676.671	-15.39	-21,127.981
2012	1	2,427,796.14	2,362,052.16	65,743.983	2.71	65,743.983
2012	2	2,047,655.46	1,862,726.14	184,929.329	9.03	250,673.312
2012	3	1,920,820.96	1,292,356.52	628,464.447	32.72	879,137.758
2012	4	1,024,895.67	1,089,667.44	-64,771.770	-6.32	814,365.988
2012	5	787,972.87	454,427.10	333,545.767	42.33	1,147,911.755
2012	6	434,741.77	340,826.05	93,915.726	21.60	1,241,827.481
2012	7	322,952.29	315,002.86	7,949.436	2.46	1,249,776.916
2012	8	341,624.03	360,629.95	-19,005.928	-5.56	1,230,770.989
2012	9	390,979.08	555,517.52	-164,538.447	-42.08	1,066,232.541
2012	10	759,101.96	1,089,983.59	-330,881.632	-43.59	735,350.910
2012	11	1,134,020.07	1,472,355.33	-338,335.261	-29.84	397,015.649
2012	12	1,734,116.08	2,227,466.99	-493,350.912	-28.45	-96,335.263
2013	1	2,712,905.86	2,538,070.10	174,835.760	6.44	174,835.760
2013	2	2,458,137.51	2,254,284.89	203,852.622	8.29	378,688.382
2013	3	2,440,318.70	2,424,360.33	15,958.368	0.65	394,646.750
2013	4	2,097,886.06	1,542,118.49	555,767.568	26.49	950,414.319
2013	5	1,175,845.90	777,734.45	398,111.448	33.86	1,348,525.767
2013	6	738,738.73	559,573.98	179,164.748	24.25	1,527,690.515
2013	7	282,982.55	295,848.14	-12,865.592	-4.55	1,514,824.923
2013	8	416,139.53	389,051.02	27,088.504	6.51	1,541,913.428
2013	9	388,960.79	512,516.64	-123,555.850	-31.77	1,418,357.578
2013	10	664,434.80	1,155,465.99	-491,031.197	-73.90	927,326.380
2013	11	1,351,047.08	1,812,858.99	-461,811.914	-34.18	465,514.467
2013	12	2,225,250.41	2,736,834.19	-511,583.778	-22.99	-46,069.311
2014	1	2,827,211.54	3,209,915.69	-382,704.153	-13.54	-382,704.153
2014	2	3,478,151.77	3,354,580.84	123,570.922	3.55	-259,133.230
2014	3	2,932,189.28	2,459,790.90	472,398.381	16.11	213,265.151
2014	4	2,190,770.02	1,709,241.66	481,528.366	21.98	694,793.516
2014	5	1,279,195.18	848,457.26	430,737.916	33.67	1,125,531.432
2014	6	667,311.29	521,889.17	145,422.120	21.79	1,270,953.552
2014	7	561,671.08	572,278.97	-10,607.886	-1.89	1,260,345.667
2014	8	500,855.25	488,675.06	12,180.188	2.43	1,272,525.855
2014	9	641,002.10	811,397.01	-170,394.917	-26.58	1,102,130.937

2014	10	956,931.80	1,307,927.33	-350,995.522	-36.68	751,135.415
2014	11	1,500,242.01	2,263,560.78	-763,318.777	-50.88	-12,183.362
2014	12	2,356,077.27	2,330,119.21	25,958.065	1.10	13,774.703
2015	1	2,741,345.92	2,858,127.06	-116,781.146	-4.26	-116,781.146
2015	2	2,735,456.00	3,044,556.25	-309,100.244	-11.30	-425,881.389
2015	3	2,773,644.02	2,105,093.36	668,550.660	24.10	242,669.271
2015	4	1,850,138.03	1,420,617.02	429,521.008	23.22	672,190.279
2015	5	1,100,175.77	860,106.11	240,069.657	21.82	912,259.935
2015	6	762,055.27	560,149.26	201,906.018	26.49	1,114,165.954
2015	7	522,919.02	518,463.90	4,455.122	0.85	1,118,621.075
2015	8	534,074.29	548,810.36	-14,736.073	-2.76	1,103,885.002
2015	9	635,607.63	789,607.23	-153,999.599	-24.23	949,885.403
2015	10	998,119.60	1,352,385.64	-354,266.039	-35.49	595,619.365
2015	11	1,557,889.54	1,975,839.84	-417,950.294	-26.83	177,669.071
2015	12	2,311,309.75	2,685,598.39	-374,288.646	-16.19	-196,619.576
2016	1	2,872,012.02	2,966,154.72	-94,142.695	-3.28	-94,142.695
2016	2	2,821,355.04	2,619,607.84	201,747.195	7.15	107,604.500
2016	3	2,478,691.64	2,179,434.96	299,256.683	12.07	406,861.183
2016	4	1,876,769.18	1,434,911.23	441,857.947	23.54	848,719.130
2016	5	1,222,196.88	944,447.21	277,749.668	22.73	1,126,468.798
2016	6	787,871.61	618,578.66	169,292.954	21.49	1,295,761.752
2016	7	578,793.31	559,314.41	19,478.899	3.37	1,315,240.651
2016	8	562,968.54	577,704.62	-14,736.073	-2.62	1,300,504.578
2016	9	648,062.37	802,061.96	-153,999.599	-23.76	1,146,504.979
2016	10	1,010,574.34	1,364,840.38	-354,266.039	-35.06	792,238.940
2016	11	1,570,344.28	1,988,294.57	-417,950.294	-26.62	374,288.646
2016	12	2,323,764.48	2,698,053.13	-374,288.646	-16.11	0.000
2017	1	2,884,466.76	2,978,609.45	-94,142.695	-3.26	-94,142.695
2017	2	2,833,809.77	2,632,062.58	201,747.195	7.12	107,604.500
2017	3	2,491,146.37	2,191,889.69	299,256.683	12.01	406,861.183
2017	4	1,889,223.92	1,447,365.97	441,857.947	23.39	848,719.130
2017	5	1,234,651.61	956,901.95	277,749.668	22.50	1,126,468.798
2017	6	800,326.34	631,033.39	169,292.954	21.15	1,295,761.752
2017	7	591,248.05	571,769.15	19,478.899	3.29	1,315,240.651
2017	8	575,423.28	590,159.35	-14,736.073	-2.56	1,300,504.578
2017	9	660,517.10	814,516.70	-153,999.599	-23.32	1,146,504.979
2017	10	1,023,029.08	1,377,295.11	-354,266.039	-34.63	792,238.940
2017	11	1,582,799.01	2,000,749.31	-417,950.294	-26.41	374,288.646
2017	12	2,336,219.22	2,710,507.87	-374,288.646	-16.02	0.000
2018	1	2,896,921.49	2,991,064.19	-94,142.695	-3.25	-94,142.695
2018	2	2,846,264.51	2,644,517.31	201,747.195	7.09	107,604.500
2018	3	2,503,601.11	2,204,344.43	299,256.683	11.95	406,861.183
2018	4	1,901,678.65	1,459,820.71	441,857.947	23.24	848,719.130
2018	5	1,247,106.35	969,356.68	277,749.668	22.27	1,126,468.798
2018	6	812,781.08	643,488.13	169,292.954	20.83	1,295,761.752
2018	7	603,702.78	584,223.88	19,478.899	3.23	1,315,240.651
2018	8	587,878.02	602,614.09	-14,736.073	-2.51	1,300,504.578

2018	9	672,971.84	826,971.43	-153,999.599	-22.88	1,146,504.979
2018	10	1,035,483.81	1,389,749.85	-354,266.039	-34.21	792,238.940
2018	11	1,595,253.75	2,013,204.04	-417,950.294	-26.20	374,288.646
2018	12	2,348,673.95	2,722,962.60	-374,288.646	-15.94	0.000
2019	1	2,909,376.23	3,003,518.92	-94,142.695	-3.24	-94,142.695
2019	2	2,858,719.24	2,656,972.05	201,747.195	7.06	107,604.500
2019	3	2,516,055.84	2,216,799.16	299,256.683	11.89	406,861.183
2019	4	1,914,133.39	1,472,275.44	441,857.947	23.08	848,719.130
2019	5	1,259,561.09	981,811.42	277,749.668	22.05	1,126,468.798
2019	6	825,235.81	655,942.86	169,292.954	20.51	1,295,761.752
2019	7	616,157.52	596,678.62	19,478.899	3.16	1,315,240.651
2019	8	600,332.75	615,068.82	-14,736.073	-2.45	1,300,504.578
2019	9	685,426.57	839,426.17	-153,999.599	-22.47	1,146,504.979
2019	10	1,047,938.55	1,402,204.58	-354,266.039	-33.81	792,238.940
2019	11	1,607,708.48	2,025,658.78	-417,950.294	-26.00	374,288.646
2019	12	2,361,128.69	2,735,417.34	-374,288.646	-15.85	0.000
2020	1	2,921,830.96	3,015,973.66	-94,142.695	-3.22	-94,142.695
2020	2	2,871,173.98	2,669,426.78	201,747.195	7.03	107,604.500
2020	3	2,528,510.58	2,229,253.90	299,256.683	11.84	406,861.183
2020	4	1,926,588.12	1,484,730.18	441,857.947	22.93	848,719.130
2020	5	1,272,015.82	994,266.15	277,749.668	21.84	1,126,468.798
2020	6	837,690.55	668,397.60	169,292.954	20.21	1,295,761.752
2020	7	628,612.25	609,133.35	19,478.899	3.10	1,315,240.651
2020	8	612,787.49	627,523.56	-14,736.073	-2.40	1,300,504.578
2020	9	697,881.31	851,880.91	-153,999.599	-22.07	1,146,504.979
2020	10	1,060,393.28	1,414,659.32	-354,266.039	-33.41	792,238.940
2020	11	1,620,163.22	2,038,113.51	-417,950.294	-25.80	374,288.646
2020	12	2,373,583.43	2,747,872.07	-374,288.646	-15.77	0.000
2021	1	2,934,285.70	3,028,428.39	-94,142.695	-3.21	-94,142.695
2021	2	2,883,628.71	2,681,881.52	201,747.195	7.00	107,604.500
2021	3	2,540,965.32	2,241,708.63	299,256.683	11.78	406,861.183
2021	4	1,939,042.86	1,497,184.91	441,857.947	22.79	848,719.130
2021	5	1,284,470.56	1,006,720.89	277,749.668	21.62	1,126,468.798
2021	6	850,145.29	680,852.33	169,292.954	19.91	1,295,761.752
2021	7	641,066.99	621,588.09	19,478.899	3.04	1,315,240.651
2021	8	625,242.22	639,978.29	-14,736.073	-2.36	1,300,504.578
2021	9	710,336.04	864,335.64	-153,999.599	-21.68	1,146,504.979
2021	10	1,072,848.02	1,427,114.06	-354,266.039	-33.02	792,238.940
2021	11	1,632,617.96	2,050,568.25	-417,950.294	-25.60	374,288.646
2021	12	2,386,038.16	2,760,326.81	-374,288.646	-15.69	0.000
2022	1	2,946,740.43	3,040,883.13	-94,142.695	-3.19	-94,142.695
2022	2	2,896,083.45	2,694,336.25	201,747.195	6.97	107,604.500
2022	3	2,553,420.05	2,254,163.37	299,256.683	11.72	406,861.183
2022	4	1,951,497.59	1,509,639.65	441,857.947	22.64	848,719.130
2022	5	1,296,925.29	1,019,175.62	277,749.668	21.42	1,126,468.798
2022	6	862,600.02	693,307.07	169,292.954	19.63	1,295,761.752
2022	7	653,521.72	634,042.82	19,478.899	2.98	1,315,240.651

2022	8	637,696.96	652,433.03	-14,736.073	-2.31	1,300,504.578
2022	9	722,790.78	876,790.38	-153,999.599	-21.31	1,146,504.979
2022	10	1,085,302.75	1,439,568.79	-354,266.039	-32.64	792,238.940
2022	11	1,645,072.69	2,063,022.98	-417,950.294	-25.41	374,288.646
2022	12	2,398,492.90	2,772,781.54	-374,288.646	-15.61	0.000
2023	1	2,959,195.17	3,053,337.86	-94,142.695	-3.18	-94,142.695
2023	2	2,908,538.18	2,706,790.99	201,747.195	6.94	107,604.500
2023	3	2,565,874.79	2,266,618.10	299,256.683	11.66	406,861.183
2023	4	1,963,952.33	1,522,094.38	441,857.947	22.50	848,719.130
2023	5	1,309,380.03	1,031,630.36	277,749.668	21.21	1,126,468.798
2023	6	875,054.76	705,761.80	169,292.954	19.35	1,295,761.752
2023	7	665,976.46	646,497.56	19,478.899	2.92	1,315,240.651
2023	8	650,151.69	664,887.77	-14,736.073	-2.27	1,300,504.578
2023	9	735,245.51	889,245.11	-153,999.599	-20.95	1,146,504.979
2023	10	1,097,757.49	1,452,023.53	-354,266.039	-32.27	792,238.940
2023	11	1,657,527.43	2,075,477.72	-417,950.294	-25.22	374,288.646
2023	12	2,410,947.63	2,785,236.28	-374,288.646	-15.52	0.000
2024	1	2,971,649.90	3,065,792.60	-94,142.695	-3.17	-94,142.695
2024	2	2,920,992.92	2,719,245.73	201,747.195	6.91	107,604.500
2024	3	2,578,329.52	2,279,072.84	299,256.683	11.61	406,861.183
2024	4	1,976,407.06	1,534,549.12	441,857.947	22.36	848,719.130
2024	5	1,321,834.76	1,044,085.09	277,749.668	21.01	1,126,468.798
2024	6	887,509.49	718,216.54	169,292.954	19.08	1,295,761.752
2024	7	678,431.19	658,952.29	19,478.899	2.87	1,315,240.651
2024	8	662,606.43	677,342.50	-14,736.073	-2.22	1,300,504.578
2024	9	747,700.25	901,699.85	-153,999.599	-20.60	1,146,504.979
2024	10	1,110,212.22	1,464,478.26	-354,266.039	-31.91	792,238.940
2024	11	1,669,982.16	2,087,932.46	-417,950.294	-25.03	374,288.646
2024	12	2,423,402.37	2,797,691.01	-374,288.646	-15.44	0.000
2025	1	2,984,104.64	3,078,247.33	-94,142.695	-3.15	-94,142.695
2025	2	2,933,447.66	2,731,700.46	201,747.195	6.88	107,604.500
2025	3	2,590,784.26	2,291,527.57	299,256.683	11.55	406,861.183
2025	4	1,988,861.80	1,547,003.85	441,857.947	22.22	848,719.130
2025	5	1,334,289.50	1,056,539.83	277,749.668	20.82	1,126,468.798
2025	6	899,964.23	730,671.27	169,292.954	18.81	1,295,761.752
2025	7	690,885.93	671,407.03	19,478.899	2.82	1,315,240.651
2025	8	675,061.16	689,797.24	-14,736.073	-2.18	1,300,504.578
2025	9	760,154.98	914,154.58	-153,999.599	-20.26	1,146,504.979
2025	10	1,122,666.96	1,476,933.00	-354,266.039	-31.56	792,238.940
2025	11	1,682,436.90	2,100,387.19	-417,950.294	-24.84	374,288.646
2025	12	2,435,857.10	2,810,145.75	-374,288.646	-15.37	0.000
2026	1	2,996,559.37	3,090,702.07	-94,142.695	-3.14	-94,142.695
2026	2	2,945,902.39	2,744,155.20	201,747.195	6.85	107,604.500
2026	3	2,603,238.99	2,303,982.31	299,256.683	11.50	406,861.183
2026	4	2,001,316.54	1,559,458.59	441,857.947	22.08	848,719.130
2026	5	1,346,744.23	1,068,994.57	277,749.668	20.62	1,126,468.798
2026	6	912,418.96	743,126.01	169,292.954	18.55	1,295,761.752

2026	7	703,340.66	683,861.76	19,478.899	2.77	1,315,240.651
2026	8	687,515.90	702,251.97	-14,736.073	-2.14	1,300,504.578
2026	9	772,609.72	926,609.32	-153,999.599	-19.93	1,146,504.979
2026	10	1,135,121.69	1,489,387.73	-354,266.039	-31.21	792,238.940
2026	11	1,694,891.63	2,112,841.93	-417,950.294	-24.66	374,288.646
2026	12	2,448,311.84	2,822,600.48	-374,288.646	-15.29	0.000
2027	1	3,009,014.11	3,103,156.80	-94,142.695	-3.13	-94,142.695
2027	2	2,958,357.13	2,756,609.93	201,747.195	6.82	107,604.500
2027	3	2,615,693.73	2,316,437.04	299,256.683	11.44	406,861.183
2027	4	2,013,771.27	1,571,913.32	441,857.947	21.94	848,719.130
2027	5	1,359,198.97	1,081,449.30	277,749.668	20.43	1,126,468.798
2027	6	924,873.70	755,580.74	169,292.954	18.30	1,295,761.752
2027	7	715,795.40	696,316.50	19,478.899	2.72	1,315,240.651
2027	8	699,970.63	714,706.71	-14,736.073	-2.11	1,300,504.578
2027	9	785,064.45	939,064.05	-153,999.599	-19.62	1,146,504.979
2027	10	1,147,576.43	1,501,842.47	-354,266.039	-30.87	792,238.940
2027	11	1,707,346.37	2,125,296.66	-417,950.294	-24.48	374,288.646
2027	12	2,460,766.57	2,835,055.22	-374,288.646	-15.21	0.000
2028	1	3,021,468.85	3,115,611.54	-94,142.695	-3.12	-94,142.695
2028	2	2,970,811.86	2,769,064.67	201,747.195	6.79	107,604.500
2028	3	2,628,148.46	2,328,891.78	299,256.683	11.39	406,861.183
2028	4	2,026,226.01	1,584,368.06	441,857.947	21.81	848,719.130
2028	5	1,371,653.70	1,093,904.04	277,749.668	20.25	1,126,468.798
2028	6	937,328.43	768,035.48	169,292.954	18.06	1,295,761.752
2028	7	728,250.13	708,771.23	19,478.899	2.67	1,315,240.651
2028	8	712,425.37	727,161.44	-14,736.073	-2.07	1,300,504.578
2028	9	797,519.19	951,518.79	-153,999.599	-19.31	1,146,504.979
2028	10	1,160,031.16	1,514,297.20	-354,266.039	-30.54	792,238.940
2028	11	1,719,801.10	2,137,751.40	-417,950.294	-24.30	374,288.646
2028	12	2,473,221.31	2,847,509.95	-374,288.646	-15.13	0.000
2029	1	3,033,923.58	3,128,066.28	-94,142.695	-3.10	-94,142.695
2029	2	2,983,266.60	2,781,519.40	201,747.195	6.76	107,604.500
2029	3	2,640,603.20	2,341,346.52	299,256.683	11.33	406,861.183
2029	4	2,038,680.74	1,596,822.79	441,857.947	21.67	848,719.130
2029	5	1,384,108.44	1,106,358.77	277,749.668	20.07	1,126,468.798
2029	6	949,783.17	780,490.22	169,292.954	17.82	1,295,761.752
2029	7	740,704.87	721,225.97	19,478.899	2.63	1,315,240.651
2029	8	724,880.10	739,616.18	-14,736.073	-2.03	1,300,504.578
2029	9	809,973.93	963,973.52	-153,999.599	-19.01	1,146,504.979
2029	10	1,172,485.90	1,526,751.94	-354,266.039	-30.21	792,238.940
2029	11	1,732,255.84	2,150,206.13	-417,950.294	-24.13	374,288.646
2029	12	2,485,676.04	2,859,964.69	-374,288.646	-15.06	0.000
2030	1	3,046,378.32	3,140,521.01	-94,142.695	-3.09	-94,142.695
2030	2	2,995,721.33	2,793,974.14	201,747.195	6.73	107,604.500
2030	3	2,653,057.93	2,353,801.25	299,256.683	11.28	406,861.183
2030	4	2,051,135.48	1,609,277.53	441,857.947	21.54	848,719.130
2030	5	1,396,563.17	1,118,813.51	277,749.668	19.89	1,126,468.798

2030	6	962,237.90	792,944.95	169,292.954	17.59	1,295,761.752
2030	7	753,159.60	733,680.71	19,478.899	2.59	1,315,240.651
2030	8	737,334.84	752,070.91	-14,736.073	-2.00	1,300,504.578
2030	9	822,428.66	976,428.26	-153,999.599	-18.72	1,146,504.979
2030	10	1,184,940.64	1,539,206.67	-354,266.039	-29.90	792,238.940
2030	11	1,744,710.57	2,162,660.87	-417,950.294	-23.96	374,288.646
2030	12	2,498,130.78	2,872,419.43	-374,288.646	-14.98	0.000
2031	1					
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Year	Month	Difference	HDD65
2007	1	-106,823.23	-106,823.23
2007	2	190,284.04	190,284.04
2007	3	564,724.24	564,724.24
2007	4	281,161.84	281,161.84
2007	5	293,937.41	293,937.41
2007	6	100,866.94	100,866.94
2007	7	6,577.70	6,577.70
2007	8	-9,965.72	-9,965.72
2007	9	-104,826.78	-104,826.78
2007	10	-291,855.03	-291,855.03
2007	11	-605,740.40	-605,740.40
2007	12	-368,883.57	-368,883.57
2008	1	-54,938.70	-54,938.70
2008	2	128,374.30	128,374.30
2008	3	401,738.32	401,738.32
2008	4	438,750.08	438,750.08
2008	5	313,779.60	313,779.60
2008	6	209,283.36	209,283.36
2008	7	11,704.35	11,704.35
2008	8	-15,994.73	-15,994.73
2008	9	-84,075.61	-84,075.61
2008	10	-422,913.29	-422,913.29
2008	11	-491,245.39	-491,245.39
2008	12	-548,487.93	-548,487.93
2009	1	-219,417.65	-219,417.65
2009	2	451,276.75	451,276.75
2009	3	339,624.93	339,624.93
2009	4	426,244.54	426,244.54
2009	5	263,365.97	263,365.97
2009	6	131,418.55	131,418.55
2009	7	7,982.49	7,982.49
2009	8	-33,860.30	-33,860.30
2009	9	-48,073.43	-48,073.43
2009	10	-532,532.87	-532,532.87
2009	11	-55,837.76	-55,837.76
2009	12	-742,543.41	-742,543.41
2010	1	-21,746.09	-21,746.09
2010	2	109,067.58	109,067.58
2010	3	602,931.11	602,931.11
2010	4	413,254.69	413,254.69
2010	5	165,982.90	165,982.90
2010	6	115,585.79	115,585.79
2010	7	15,396.45	15,396.45
2010	8	-10,157.43	-10,157.43
2010	9	-172,157.35	-172,157.35
2010	10	-268,056.30	-268,056.30

2010	11	-545,761.00	-545,761.00
2010	12	-452,843.50	-452,843.50
2011	1	-401,924.14	-401,924.14
2011	2	295,804.95	295,804.95
2011	3	201,646.07	201,646.07
2011	4	430,917.48	430,917.48
2011	5	385,747.61	385,747.61
2011	6	122,543.61	122,543.61
2011	7	45,121.72	45,121.72
2011	8	-6,564.48	-6,564.48
2011	9	-228,252.93	-228,252.93
2011	10	-260,014.31	-260,014.31
2011	11	-342,476.90	-342,476.90
2011	12	-263,676.67	-263,676.67
2012	1	65,743.98	65,743.98
2012	2	184,929.33	184,929.33
2012	3	628,464.45	628,464.45
2012	4	-64,771.77	-64,771.77
2012	5	333,545.77	333,545.77
2012	6	93,915.73	93,915.73
2012	7	7,949.44	7,949.44
2012	8	-19,005.93	-19,005.93
2012	9	-164,538.45	-164,538.45
2012	10	-330,881.63	-330,881.63
2012	11	-338,335.26	-338,335.26
2012	12	-493,350.91	-493,350.91
2013	1	174,835.76	174,835.76
2013	2	203,852.62	203,852.62
2013	3	15,958.37	15,958.37
2013	4	555,767.57	555,767.57
2013	5	398,111.45	398,111.45
2013	6	179,164.75	179,164.75
2013	7	-12,865.59	-12,865.59
2013	8	27,088.50	27,088.50
2013	9	-123,555.85	-123,555.85
2013	10	-491,031.20	-491,031.20
2013	11	-461,811.91	-461,811.91
2013	12	-511,583.78	-511,583.78
2014	1	-382,704.15	-382,704.15
2014	2	123,570.92	123,570.92
2014	3	472,398.38	472,398.38
2014	4	481,528.37	481,528.37
2014	5	430,737.92	430,737.92
2014	6	145,422.12	145,422.12
2014	7	-10,607.89	-10,607.89
2014	8	12,180.19	12,180.19
2014	9	-170,394.92	-170,394.92

2014	10	-350,995.52	-350,995.52
2014	11	-763,318.78	-763,318.78
2014	12	25,958.06	25,958.06
2015	1	-116,781.15	-116,781.15
2015	2	-309,100.24	-309,100.24
2015	3	668,550.66	668,550.66
2015	4	429,521.01	429,521.01
2015	5	240,069.66	240,069.66
2015	6	201,906.02	201,906.02
2015	7	4,455.12	4,455.12
2015	8	-14,736.07	-14,736.07
2015	9	-153,999.60	-153,999.60
2015	10	-354,266.04	-354,266.04
2015	11	-417,950.29	-417,950.29
2015	12	-374,288.65	-374,288.65
2016	1	-94,142.69	-94,142.69
2016	2	201,747.19	201,747.19
2016	3	299,256.68	299,256.68
2016	4	441,857.95	441,857.95
2016	5	277,749.67	277,749.67
2016	6	169,292.95	169,292.95
2016	7	19,478.90	19,478.90
2016	8	-14,736.07	-14,736.07
2016	9	-153,999.60	-153,999.60
2016	10	-354,266.04	-354,266.04
2016	11	-417,950.29	-417,950.29
2016	12	-374,288.65	-374,288.65
2017	1	-94,142.69	-94,142.69
2017	2	201,747.19	201,747.19
2017	3	299,256.68	299,256.68
2017	4	441,857.95	441,857.95
2017	5	277,749.67	277,749.67
2017	6	169,292.95	169,292.95
2017	7	19,478.90	19,478.90
2017	8	-14,736.07	-14,736.07
2017	9	-153,999.60	-153,999.60
2017	10	-354,266.04	-354,266.04
2017	11	-417,950.29	-417,950.29
2017	12	-374,288.65	-374,288.65
2018	1	-94,142.69	-94,142.69
2018	2	201,747.19	201,747.19
2018	3	299,256.68	299,256.68
2018	4	441,857.95	441,857.95
2018	5	277,749.67	277,749.67
2018	6	169,292.95	169,292.95
2018	7	19,478.90	19,478.90
2018	8	-14,736.07	-14,736.07

2018	9	-153,999.60	-153,999.60
2018	10	-354,266.04	-354,266.04
2018	11	-417,950.29	-417,950.29
2018	12	-374,288.65	-374,288.65
2019	1	-94,142.69	-94,142.69
2019	2	201,747.19	201,747.19
2019	3	299,256.68	299,256.68
2019	4	441,857.95	441,857.95
2019	5	277,749.67	277,749.67
2019	6	169,292.95	169,292.95
2019	7	19,478.90	19,478.90
2019	8	-14,736.07	-14,736.07
2019	9	-153,999.60	-153,999.60
2019	10	-354,266.04	-354,266.04
2019	11	-417,950.29	-417,950.29
2019	12	-374,288.65	-374,288.65
2020	1	-94,142.69	-94,142.69
2020	2	201,747.19	201,747.19
2020	3	299,256.68	299,256.68
2020	4	441,857.95	441,857.95
2020	5	277,749.67	277,749.67
2020	6	169,292.95	169,292.95
2020	7	19,478.90	19,478.90
2020	8	-14,736.07	-14,736.07
2020	9	-153,999.60	-153,999.60
2020	10	-354,266.04	-354,266.04
2020	11	-417,950.29	-417,950.29
2020	12	-374,288.65	-374,288.65
2021	1	-94,142.69	-94,142.69
2021	2	201,747.19	201,747.19
2021	3	299,256.68	299,256.68
2021	4	441,857.95	441,857.95
2021	5	277,749.67	277,749.67
2021	6	169,292.95	169,292.95
2021	7	19,478.90	19,478.90
2021	8	-14,736.07	-14,736.07
2021	9	-153,999.60	-153,999.60
2021	10	-354,266.04	-354,266.04
2021	11	-417,950.29	-417,950.29
2021	12	-374,288.65	-374,288.65
2022	1	-94,142.69	-94,142.69
2022	2	201,747.19	201,747.19
2022	3	299,256.68	299,256.68
2022	4	441,857.95	441,857.95
2022	5	277,749.67	277,749.67
2022	6	169,292.95	169,292.95
2022	7	19,478.90	19,478.90

2022	8	-14,736.07	-14,736.07
2022	9	-153,999.60	-153,999.60
2022	10	-354,266.04	-354,266.04
2022	11	-417,950.29	-417,950.29
2022	12	-374,288.65	-374,288.65
2023	1	-94,142.69	-94,142.69
2023	2	201,747.19	201,747.19
2023	3	299,256.68	299,256.68
2023	4	441,857.95	441,857.95
2023	5	277,749.67	277,749.67
2023	6	169,292.95	169,292.95
2023	7	19,478.90	19,478.90
2023	8	-14,736.07	-14,736.07
2023	9	-153,999.60	-153,999.60
2023	10	-354,266.04	-354,266.04
2023	11	-417,950.29	-417,950.29
2023	12	-374,288.65	-374,288.65
2024	1	-94,142.69	-94,142.69
2024	2	201,747.19	201,747.19
2024	3	299,256.68	299,256.68
2024	4	441,857.95	441,857.95
2024	5	277,749.67	277,749.67
2024	6	169,292.95	169,292.95
2024	7	19,478.90	19,478.90
2024	8	-14,736.07	-14,736.07
2024	9	-153,999.60	-153,999.60
2024	10	-354,266.04	-354,266.04
2024	11	-417,950.29	-417,950.29
2024	12	-374,288.65	-374,288.65
2025	1	-94,142.69	-94,142.69
2025	2	201,747.19	201,747.19
2025	3	299,256.68	299,256.68
2025	4	441,857.95	441,857.95
2025	5	277,749.67	277,749.67
2025	6	169,292.95	169,292.95
2025	7	19,478.90	19,478.90
2025	8	-14,736.07	-14,736.07
2025	9	-153,999.60	-153,999.60
2025	10	-354,266.04	-354,266.04
2025	11	-417,950.29	-417,950.29
2025	12	-374,288.65	-374,288.65
2026	1	-94,142.69	-94,142.69
2026	2	201,747.19	201,747.19
2026	3	299,256.68	299,256.68
2026	4	441,857.95	441,857.95
2026	5	277,749.67	277,749.67
2026	6	169,292.95	169,292.95

2026	7	19,478.90	19,478.90
2026	8	-14,736.07	-14,736.07
2026	9	-153,999.60	-153,999.60
2026	10	-354,266.04	-354,266.04
2026	11	-417,950.29	-417,950.29
2026	12	-374,288.65	-374,288.65
2027	1	-94,142.69	-94,142.69
2027	2	201,747.19	201,747.19
2027	3	299,256.68	299,256.68
2027	4	441,857.95	441,857.95
2027	5	277,749.67	277,749.67
2027	6	169,292.95	169,292.95
2027	7	19,478.90	19,478.90
2027	8	-14,736.07	-14,736.07
2027	9	-153,999.60	-153,999.60
2027	10	-354,266.04	-354,266.04
2027	11	-417,950.29	-417,950.29
2027	12	-374,288.65	-374,288.65
2028	1	-94,142.69	-94,142.69
2028	2	201,747.19	201,747.19
2028	3	299,256.68	299,256.68
2028	4	441,857.95	441,857.95
2028	5	277,749.67	277,749.67
2028	6	169,292.95	169,292.95
2028	7	19,478.90	19,478.90
2028	8	-14,736.07	-14,736.07
2028	9	-153,999.60	-153,999.60
2028	10	-354,266.04	-354,266.04
2028	11	-417,950.29	-417,950.29
2028	12	-374,288.65	-374,288.65
2029	1	-94,142.69	-94,142.69
2029	2	201,747.19	201,747.19
2029	3	299,256.68	299,256.68
2029	4	441,857.95	441,857.95
2029	5	277,749.67	277,749.67
2029	6	169,292.95	169,292.95
2029	7	19,478.90	19,478.90
2029	8	-14,736.07	-14,736.07
2029	9	-153,999.60	-153,999.60
2029	10	-354,266.04	-354,266.04
2029	11	-417,950.29	-417,950.29
2029	12	-374,288.65	-374,288.65
2030	1	-94,142.69	-94,142.69
2030	2	201,747.19	201,747.19
2030	3	299,256.68	299,256.68
2030	4	441,857.95	441,857.95
2030	5	277,749.67	277,749.67

2030	6	169,292.95	169,292.95
2030	7	19,478.90	19,478.90
2030	8	-14,736.07	-14,736.07
2030	9	-153,999.60	-153,999.60
2030	10	-354,266.04	-354,266.04
2030	11	-417,950.29	-417,950.29
2030	12	-374,288.65	-374,288.65
2031	1		
2031	2		
2031	3		
2031	4		
2031	5		
2031	6		
2031	7		
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2031	9		
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2031	11		
2031	12		
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2032	2		
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2032	11		
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2037	12
2038	1
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2038	3

2038	4
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2038	9
2038	10
2038	11
2038	12
2039	1
2039	2
2039	3
2039	4
2039	5
2039	6
2039	7
2039	8
2039	9
2039	10
2039	11
2039	12
2040	1
2040	2
2040	3
2040	4
2040	5
2040	6
2040	7
2040	8
2040	9
2040	10
2040	11
2040	12

Year	Month	Predicted	Simulated	Diff	%Diff	YTD Diff
2007	1					
2007	2					
2007	3					
2007	4					
2007	5					
2007	6					
2007	7					
2007	8					
2007	9					
2007	10					
2007	11					
2007	12					
2008	1					
2008	2	512222.5614	489944.5232	22278.03814	4.34928873	
2008	3	477678.7591	407961.2095	69717.54957	14.59507006	
2008	4	332143.7539	256003.1939	76140.56	22.92397768	
2008	5	218105.8842	163652.6641	54453.22005	24.96641494	
2008	6	137735.7043	101416.7315	36318.97272	26.36859696	
2008	7	88864.26874	86833.09996	2031.168779	2.285697961	
2008	8	74397.29211	77173.01245	-2775.720339	-3.730942701	
2008	9	106095.3164	120685.7737	-14590.45723	-13.75221614	
2008	10	163405.0192	236797.2676	-73392.24846	-44.91431709	
2008	11	202961.3784	288211.9585	-85250.58005	-42.00335094	
2008	12	409838.3386	505022.7737	-95184.43515	-23.22487337	
2009	1	528139.4037	566217.0784	-38077.67464	-7.209777261	-38077.67464
2009	2	535675.9514	457361.5174	78314.43408	14.61974051	40236.75944
2009	3	446914.3395	387975.9283	58938.41122	13.18785414	99175.17066
2009	4	311749.9265	237779.5744	73970.35207	23.72746416	173145.5227
2009	5	185532.799	139828.3466	45704.45241	24.63416316	218849.9751
2009	6	141274.313	118467.9759	22806.33705	16.14330062	241656.3122
2009	7	71169.05039	69783.77148	1385.278905	1.946462538	243041.5911
2009	8	61770.27962	67646.38608	-5876.10646	-9.512837721	237165.4846
2009	9	68135.87782	76478.52643	-8342.648609	-12.24413463	228822.836
2009	10	152193.4936	244609.0918	-92415.59818	-60.72243692	136407.2378
2009	11	206304.596	215994.665	-9690.068959	-4.696971927	126717.1689
2009	12	380899.176	509759.9421	-128860.7661	-33.83067599	-2143.597212
2010	1	552456.5942	556230.4037	-3773.809488	-0.683096107	-3773.809488
2010	2	484963.9577	466036.4016	18927.55612	3.902878928	15153.74663
2010	3	429741.2589	325108.7702	104632.4887	24.34778754	119786.2353
2010	4	291531.8682	219815.771	71716.09714	24.59974533	191502.3325
2010	5	148933.3017	120128.6783	28804.62339	19.34061963	220306.9558
2010	6	74785.33194	54726.60813	20058.72382	26.82173535	240365.6797
2010	7	58827.19772	56155.3016	2671.896123	4.541940168	243037.5758
2010	8	58931.91174	60694.62896	-1762.717215	-2.99110815	241274.8586
2010	9	74637.62912	104513.7643	-29876.13519	-40.02824787	211398.7234
2010	10	123025.4222	169543.8336	-46518.41132	-37.81203143	164880.3121

2010	11	179003.4841	273714.6874	-94711.20323	-52.91025685	70169.10884
2010	12	393306.7487	471893.076	-78586.32733	-19.98092522	-8417.218488
2011	1	456359.0157	526108.8124	-69749.79668	-15.28397474	-69749.79668
2011	2	537330.5496	485996.645	51333.90465	9.553505694	-18415.89202
2011	3	444062.866	409069.2669	34993.59912	7.880325467	16577.7071
2011	4	311495.3395	236714.0462	74781.29326	24.0071949	91359.00036
2011	5	165696.5366	98754.00901	66942.52754	40.40068002	158301.5279
2011	6	105559.5157	84293.33343	21266.18224	20.14615367	179567.7101
2011	7	80980.02609	73149.61519	7830.410902	9.669558384	187398.121
2011	8	52637.15699	53776.35529	-1139.198304	-2.164247405	186258.9227
2011	9	56621.59102	96232.53709	-39610.94607	-69.95731727	146647.9767
2011	10	85262.65366	130385.461	-45122.80735	-52.92212407	101525.1693
2011	11	150188.333	209621.6738	-59433.34073	-39.57254171	42091.82858
2011	12	320068.1912	365826.5634	-45758.37217	-14.29644477	-3666.543585
2012	1	453877.2486	442468.0572	11409.19148	2.513717423	11409.19148
2012	2	358575.8654	326483.2839	32092.58143	8.950011569	43501.77291
2012	3	302697.6937	193634.1581	109063.5356	36.03051424	152565.3086
2012	4	148645.196	159885.67	-11240.47401	-7.561949065	141324.8345
2012	5	93397.25077	35513.81629	57883.43448	61.97552284	199208.269
2012	6	54930.48081	38632.37334	16298.10746	29.67042564	215506.3765
2012	7	37182.93258	35803.38982	1379.54276	3.710150503	216885.9192
2012	8	52104.36631	55402.64942	-3298.283106	-6.330147241	213587.6361
2012	9	42559.96633	71113.9202	-28553.95387	-67.09111011	185033.6823
2012	10	94011.11804	151432.2193	-57421.10123	-61.07905366	127612.581
2012	11	138525.6973	197240.2991	-58714.60182	-42.38535015	68897.97921
2012	12	232424.4038	318040.3762	-85615.97246	-36.83605123	-16717.99324
2013	1	407503.6292	377162.6827	30340.94645	7.445564721	30340.94645
2013	2	350755.2928	315378.7686	35376.52418	10.08581336	65717.47063
2013	3	378674.4854	375905.0748	2769.410581	0.731343327	68486.88121
2013	4	279130.7544	182683.0138	96447.74068	34.55288933	164934.6219
2013	5	116452.9029	47364.75907	69088.14388	59.32711176	234022.7658
2013	6	127447.4719	96355.27406	31092.19783	24.39608834	265114.9636
2013	7	47310.98063	49543.67164	-2232.691009	-4.719181423	262882.2726
2013	8	47588.08711	42887.15605	4700.931057	9.878377851	267583.2036
2013	9	44031.36267	65473.2086	-21441.84593	-48.69675757	246141.3577
2013	10	57236.8503	142450.2601	-85213.40983	-148.8785798	160927.9479
2013	11	184231.0805	264373.7844	-80142.70395	-43.50118544	80785.24392
2013	12	315133.644	403913.7426	-88780.09861	-28.17220577	-7994.854693
2014	1	333743.5725	400157.9388	-66414.3663	-19.89981884	-66414.3663
2014	2	512181.0146	490736.553	21444.46161	4.186891158	-44969.90469
2014	3	388582.2451	306602.3687	81979.87633	21.09717502	37009.97164
2014	4	191976.2466	108411.9554	83564.29122	43.52845349	120574.2629
2014	5	287584.0145	212833.8829	74750.13153	25.99245013	195324.3944
2014	6	31057.55609	5821.044046	25236.51204	81.25723727	220560.9064
2014	7	55640.80988	57481.69927	-1840.889393	-3.30852372	218720.017
2014	8	36796.02901	34682.28269	2113.746316	5.744495732	220833.7634
2014	9	53356.5568	82926.84076	-29570.28396	-55.42015028	191263.4794

2014	10	97435.24827	158346.9082	-60911.6599	-62.51501483	130351.8195
2014	11	161046.3703	293512.4868	-132466.1165	-82.25340081	-2114.296986
2014	12	296028.4559	291523.701	4504.754914	1.521730369	2390.457928
2015	1	378014.8621	398281.0278	-20266.16575	-5.36120872	-20266.16575
2015	2	310348.7369	363989.9024	-53641.16554	-17.28415784	-73907.33129
2015	3	384223.0414	268202.9561	116020.0853	30.19602492	42112.75404
2015	4	220231.0035	145692.0539	74538.94964	33.84580211	116651.7037
2015	5	114168.9971	72507.37938	41661.61774	36.49118306	158313.3214
2015	6	79009.64231	43970.93116	35038.71115	44.34738613	193352.0326
2015	7	33003.26632	32230.12582	773.1405047	2.342618143	194125.1731
2015	8	41233.03233	43790.32615	-2557.293818	-6.2020513	191567.8793
2015	9	41960.94442	68685.98961	-26725.04519	-63.69028524	164842.8341
2015	10	64930.28814	126409.5125	-61479.22435	-94.68497077	103363.6097
2015	11	123736.9909	196267.9623	-72530.97135	-58.61704798	30832.63837
2015	12	256014.5844	320968.5262	-64953.94181	-25.37118812	-34121.30344
2016	1	302292.4971	318629.9928	-16337.49564	-5.404532297	-16337.49564
2016	2	382191.1455	347179.9966	35011.14897	9.160638434	18673.65333
2016	3	303493.2881	251560.3712	51932.9169	17.11171843	70606.57023
2016	4	226794.6809	150114.7824	76679.8985	33.810272	147286.4687
2016	5	120045.8968	71845.30095	48200.59585	40.15180621	195487.0646
2016	6	58696.46453	29317.41506	29379.04947	50.05250266	224866.114
2016	7	37524.40962	34144.04715	3380.362469	9.008436116	228246.4765
2016	8	26237.96682	28795.26063	-2557.293818	-9.746539568	225689.1827
2016	9	32508.02489	59233.07008	-26725.04519	-82.21060885	198964.1375
2016	10	71377.35632	132856.5807	-61479.22435	-86.13267221	137484.9132
2016	11	145442.1133	217973.0846	-72530.97135	-49.8693052	64953.94181
2016	12	277036.1371	341990.0789	-64953.94181	-23.44601773	8.14907E-10
2017	1	343646.961	359984.4566	-16337.49564	-4.75415106	-16337.49564
2017	2	388007.3532	352996.2042	35011.14897	9.023320997	18673.65333
2017	3	316928.2416	264995.3247	51932.9169	16.38633296	70606.57023
2017	4	229057.0857	152377.1872	76679.8985	33.47632676	147286.4687
2017	5	119498.8176	71298.22174	48200.59585	40.33562576	195487.0646
2017	6	52469.58194	23090.53248	29379.04947	55.99253583	224866.114
2017	7	25182.60819	21802.24572	3380.362469	13.42340095	228246.4765
2017	8	17239.29843	19796.59225	-2557.293818	-14.83409449	225689.1827
2017	9	26835.24656	53560.29175	-26725.04519	-99.58934093	198964.1375
2017	10	75246.29711	136725.5215	-61479.22435	-81.70398638	137484.9132
2017	11	158467.5432	230998.5146	-72530.97135	-45.77023779	64953.94181
2017	12	289651.3511	354605.2929	-64953.94181	-22.424871	7.27596E-10
2018	1	368464.1292	384801.6249	-16337.49564	-4.433944676	-16337.49564
2018	2	391497.7093	356486.5603	35011.14897	8.942874541	18673.65333
2018	3	324990.6723	273057.7554	51932.9169	15.97981768	70606.57023
2018	4	230414.7743	153734.8758	76679.8985	33.27907194	147286.4687
2018	5	119170.5107	70969.91481	48200.59585	40.44674776	195487.0646
2018	6	48732.77632	19353.72686	29379.04947	60.28601628	224866.114
2018	7	17776.18736	14395.82489	3380.362469	19.0162401	228246.4765
2018	8	11839.12039	14396.41421	-2557.293818	-21.60037008	225689.1827

2018	9	23430.96366	50156.00885	-26725.04519	-114.0586686	198964.1375
2018	10	77568.08165	139047.306	-61479.22435	-79.25840505	137484.9132
2018	11	166284.2154	238815.1867	-72530.97135	-43.61867492	64953.94181
2018	12	297221.8491	362175.7909	-64953.94181	-21.8536901	7.85803E-10
2019	1	383357.1246	399694.6203	-16337.49564	-4.261690885	-16337.49564
2019	2	393592.3019	358581.1529	35011.14897	8.895282962	18673.65333
2019	3	329829.0061	277896.0892	51932.9169	15.74540624	70606.57023
2019	4	231229.5348	154549.6363	76679.8985	33.16180979	147286.4687
2019	5	118973.4909	70772.89501	48200.59585	40.51372747	195487.0646
2019	6	46490.28724	17111.23777	29379.04947	63.19395127	224866.114
2019	7	13331.53073	9951.168258	3380.362469	25.35614655	228246.4765
2019	8	8598.427256	11155.72107	-2557.293818	-29.74141365	225689.1827
2019	9	21388.02431	48113.0695	-26725.04519	-124.9533141	198964.1375
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2019	11	170975.0674	243506.0387	-72530.97135	-42.42195805	64953.94181
2019	12	301764.9699	366718.9117	-64953.94181	-21.52467924	7.567E-10
2020	1	392294.5388	408632.0345	-16337.49564	-4.164599305	-16337.49564
2020	2	394849.2849	359838.1359	35011.14897	8.866965273	18673.65333
2020	3	332732.5317	280799.6148	51932.9169	15.60800702	70606.57023
2020	4	231718.4796	155038.5811	76679.8985	33.09183568	147286.4687
2020	5	118855.2576	70654.66174	48200.59585	40.55402919	195487.0646
2020	6	45144.55032	15765.50085	29379.04947	65.07773199	224866.114
2020	7	10664.25418	7283.891712	3380.362469	31.69806731	228246.4765
2020	8	6653.659527	9210.953344	-2557.293818	-38.4343955	225689.1827
2020	9	20162.03889	46887.08408	-26725.04519	-132.5513026	198964.1375
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2020	11	173790.0878	246321.0592	-72530.97135	-41.73481483	64953.94181
2020	12	304491.3356	369445.2774	-64953.94181	-21.33195077	7.27596E-10
2021	1	397657.9577	413995.4534	-16337.49564	-4.108429197	-16337.49564
2021	2	395603.6111	360592.4621	35011.14897	8.850057984	18673.65333
2021	3	334474.9623	282542.0454	51932.9169	15.52669789	70606.57023
2021	4	232011.8995	155332.001	76679.8985	33.04998522	147286.4687
2021	5	118784.3048	70583.70894	48200.59585	40.57825311	195487.0646
2021	6	44336.96206	14957.91259	29379.04947	66.26310894	224866.114
2021	7	9063.598661	5683.236193	3380.362469	37.29602992	228246.4765
2021	8	5486.587741	8043.881559	-2557.293818	-46.60991382	225689.1827
2021	9	19426.31453	46151.35972	-26725.04519	-137.5713605	198964.1375
2021	10	80299.32717	141778.5515	-61479.22435	-76.56256474	137484.9132
2021	11	175479.4058	248010.3771	-72530.97135	-41.33303907	64953.94181
2021	12	306127.451	371081.3928	-64953.94181	-21.21794096	7.567E-10
2022	1	400876.5914	417214.087	-16337.49564	-4.075442665	-16337.49564
2022	2	396056.2888	361045.1398	35011.14897	8.839942696	18673.65333
2022	3	335520.6099	283587.693	51932.9169	15.47830904	70606.57023
2022	4	232187.9833	155508.0848	76679.8985	33.02492118	147286.4687
2022	5	118741.7254	70541.12956	48200.59585	40.59280399	195487.0646
2022	6	43852.32142	14473.27195	29379.04947	66.99542582	224866.114
2022	7	8103.031563	4722.669094	3380.362469	41.71725659	228246.4765

2022	8	4786.217959	7343.511776	-2557.293818	-53.43036694	225689.1827
2022	9	18984.80004	45709.84523	-26725.04519	-140.7707489	198964.1375
2022	10	80600.44831	142079.6727	-61479.22435	-76.27652903	137484.9132
2022	11	176493.1799	249024.1513	-72530.97135	-41.09562272	64953.94181
2022	12	307109.2979	372063.2397	-64953.94181	-21.15010592	7.85803E-10
2023	1	402808.121	419145.6167	-16337.49564	-4.055900263	-16337.49564
2023	2	396327.9445	361316.7955	35011.14897	8.833883519	18673.65333
2023	3	336148.1119	284215.195	51932.9169	15.44941502	70606.57023
2023	4	232293.6527	155613.7543	76679.8985	33.00989829	147286.4687
2023	5	118716.1732	70515.57731	48200.59585	40.60154111	195487.0646
2023	6	43561.48441	14182.43495	29379.04947	67.44271886	224866.114
2023	7	7526.587013	4146.224544	3380.362469	44.91228844	228246.4765
2023	8	4365.920048	6923.213866	-2557.293818	-58.57399561	225689.1827
2023	9	18719.84341	45444.88859	-26725.04519	-142.7631878	198964.1375
2023	10	80781.15368	142260.378	-61479.22435	-76.10590038	137484.9132
2023	11	177101.5545	249632.5259	-72530.97135	-40.95445212	64953.94181
2023	12	307698.5127	372652.4545	-64953.94181	-21.10960539	7.85803E-10
2024	1	403967.2485	420304.7442	-16337.49564	-4.044262425	-16337.49564
2024	2	396490.9675	361479.8185	35011.14897	8.830251341	18673.65333
2024	3	336524.6813	284591.7644	51932.9169	15.43212721	70606.57023
2024	4	232357.0659	155677.1674	76679.8985	33.00088948	147286.4687
2024	5	118700.839	70500.24318	48200.59585	40.60678614	195487.0646
2024	6	43386.95064	14007.90117	29379.04947	67.71402239	224866.114
2024	7	7180.657697	3800.295228	3380.362469	47.07594501	228246.4765
2024	8	4113.69567	6670.989487	-2557.293818	-62.16536232	225689.1827
2024	9	18560.84066	45285.88585	-26725.04519	-143.9861786	198964.1375
2024	10	80889.59652	142368.8209	-61479.22435	-76.0038707	137484.9132
2024	11	177466.6453	249997.6166	-72530.97135	-40.87019915	64953.94181
2024	12	308052.1055	373006.0473	-64953.94181	-21.08537506	7.85803E-10
2025	1	404662.8509	421000.3465	-16337.49564	-4.037310468	-16337.49564
2025	2	396588.7989	361577.6499	35011.14897	8.828073074	18673.65333
2025	3	336750.6638	284817.7469	51932.9169	15.42177121	70606.57023
2025	4	232395.1206	155715.2221	76679.8985	32.99548557	147286.4687
2025	5	118691.6369	70491.04104	48200.59585	40.60993438	195487.0646
2025	6	43282.21142	13903.16195	29379.04947	67.87788448	224866.114
2025	7	6973.062549	3592.70008	3380.362469	48.47744366	228246.4765
2025	8	3962.333658	6519.627475	-2557.293818	-64.54009275	225689.1827
2025	9	18465.42175	45190.46694	-26725.04519	-144.7302182	198964.1375
2025	10	80954.674	142433.8984	-61479.22435	-75.94277305	137484.9132
2025	11	177685.7394	250216.7108	-72530.97135	-40.81980444	64953.94181
2025	12	308264.2996	373218.2414	-64953.94181	-21.07086092	7.567E-10
2026	1	405080.2878	421417.7834	-16337.49564	-4.033150003	-16337.49564
2026	2	396647.5084	361636.3594	35011.14897	8.826766393	18673.65333
2026	3	336886.2778	284953.3609	51932.9169	15.41556315	70606.57023
2026	4	232417.9576	155738.0591	76679.8985	32.99224349	147286.4687
2026	5	118686.1146	70485.51876	48200.59585	40.6118239	195487.0646
2026	6	43219.35652	13840.30705	29379.04947	67.97660084	224866.114

2026	7	6848.482921	3468.120453	3380.362469	49.35928887	228246.4765
2026	8	3871.500017	6428.793834	-2557.293818	-66.05434087	225689.1827
2026	9	18408.16004	45133.20523	-26725.04519	-145.1804261	198964.1375
2026	10	80993.72756	142472.9519	-61479.22435	-75.90615496	137484.9132
2026	11	177817.2197	250348.191	-72530.97135	-40.78962177	64953.94181
2026	12	308391.6391	373345.5809	-64953.94181	-21.06216044	7.85803E-10
2027	1	405330.7953	421668.2909	-16337.49564	-4.030657386	-16337.49564
2027	2	396682.7405	361671.5915	35011.14897	8.825982428	18673.65333
2027	3	336967.661	285034.7441	51932.9169	15.41184004	70606.57023
2027	4	232431.6623	155751.7638	76679.8985	32.9902982	147286.4687
2027	5	118682.8006	70482.20479	48200.59585	40.6129579	195487.0646
2027	6	43181.63675	13802.58729	29379.04947	68.03597936	224866.114
2027	7	6773.721619	3393.35915	3380.362469	49.90406543	228246.4765
2027	8	3816.98997	6374.283788	-2557.293818	-66.99765621	225689.1827
2027	9	18373.7968	45098.84199	-26725.04519	-145.451947	198964.1375
2027	10	81017.16393	142496.3883	-61479.22435	-75.88419708	137484.9132
2027	11	177896.1221	250427.0934	-72530.97135	-40.77153031	64953.94181
2027	12	308468.0566	373421.9984	-64953.94181	-21.05694267	7.567E-10
2028	1	405481.127	421818.6226	-16337.49564	-4.029163025	-16337.49564
2028	2	396703.8836	361692.7346	35011.14897	8.825512031	18673.65333
2028	3	337016.4997	285083.5828	51932.9169	15.40960664	70606.57023
2028	4	232439.8866	155759.9881	76679.8985	32.98913092	147286.4687
2028	5	118680.8119	70480.21604	48200.59585	40.61363845	195487.0646
2028	6	43159.0008	13779.95133	29379.04947	68.07166274	224866.114
2028	7	6728.85672	3348.494251	3380.362469	50.23680261	228246.4765
2028	8	3784.278024	6341.571842	-2557.293818	-67.5767954	225689.1827
2028	9	18353.17512	45078.22031	-26725.04519	-145.6153772	198964.1375
2028	10	81031.2283	142510.4526	-61479.22435	-75.87102607	137484.9132
2028	11	177943.4721	250474.4435	-72530.97135	-40.76068118	64953.94181
2028	12	308513.9154	373467.8572	-64953.94181	-21.05381267	7.85803E-10
2029	1	405571.3423	421908.8379	-16337.49564	-4.028266777	-16337.49564
2029	2	396716.5717	361705.4227	35011.14897	8.825229766	18673.65333
2029	3	337045.8082	285112.8913	51932.9169	15.40826666	70606.57023
2029	4	232444.822	155764.9235	76679.8985	32.98843047	147286.4687
2029	5	118679.6184	70479.02258	48200.59585	40.61404687	195487.0646
2029	6	43145.41677	13766.3673	29379.04947	68.09309463	224866.114
2029	7	6701.93291	3321.570441	3380.362469	50.43861993	228246.4765
2029	8	3764.647305	6321.941122	-2557.293818	-67.92917399	225689.1827
2029	9	18340.79988	45065.84507	-26725.04519	-145.7136295	198964.1375
2029	10	81039.66844	142518.8928	-61479.22435	-75.86312423	137484.9132
2029	11	177971.8873	250502.8586	-72530.97135	-40.75417329	64953.94181
2029	12	308541.4356	373495.3775	-64953.94181	-21.05193478	8.14907E-10
2030	1	405625.4813	421962.9769	-16337.49564	-4.027729123	-16337.49564
2030	2	396724.186	361713.037	35011.14897	8.825060385	18673.65333
2030	3	337063.3965	285130.4796	51932.9169	15.40746264	70606.57023
2030	4	232447.7839	155767.8854	76679.8985	32.98801013	147286.4687
2030	5	118678.9022	70478.30638	48200.59585	40.61429197	195487.0646

2030	6	43137.26487	13758.21541	29379.04947	68.10596256	224866.114
2030	7	6685.775701	3305.413232	3380.362469	50.56051265	228246.4765
2030	8	3752.866742	6310.16056	-2557.293818	-68.14240935	225689.1827
2030	9	18333.37339	45058.41858	-26725.04519	-145.7726553	198964.1375
2030	10	81044.73345	142523.9578	-61479.22435	-75.85838306	137484.9132
2030	11	177988.9395	250519.9108	-72530.97135	-40.75026885	64953.94181
2030	12	308557.9508	373511.8926	-64953.94181	-21.05080801	7.27596E-10
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Year	Month	Difference	HDD65
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2007	2		
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2007	12		
2008	1		
2008	2	22278.03814	22278.03814
2008	3	69717.54957	69717.54957
2008	4	76140.56	76140.56
2008	5	54453.22005	54453.22005
2008	6	36318.97272	36318.97272
2008	7	2031.168779	2031.168779
2008	8	-2775.720339	-2775.720339
2008	9	-14590.45723	-14590.45723
2008	10	-73392.24846	-73392.24846
2008	11	-85250.58005	-85250.58005
2008	12	-95184.43515	-95184.43515
2009	1	-38077.67464	-38077.67464
2009	2	78314.43408	78314.43408
2009	3	58938.41122	58938.41122
2009	4	73970.35207	73970.35207
2009	5	45704.45241	45704.45241
2009	6	22806.33705	22806.33705
2009	7	1385.278905	1385.278905
2009	8	-5876.10646	-5876.10646
2009	9	-8342.648609	-8342.648609
2009	10	-92415.59818	-92415.59818
2009	11	-9690.068959	-9690.068959
2009	12	-128860.7661	-128860.7661
2010	1	-3773.809488	-3773.809488
2010	2	18927.55612	18927.55612
2010	3	104632.4887	104632.4887
2010	4	71716.09714	71716.09714
2010	5	28804.62339	28804.62339
2010	6	20058.72382	20058.72382
2010	7	2671.896123	2671.896123
2010	8	-1762.717215	-1762.717215
2010	9	-29876.13519	-29876.13519
2010	10	-46518.41132	-46518.41132

2010	11	-94711.20323	-94711.20323
2010	12	-78586.32733	-78586.32733
2011	1	-69749.79668	-69749.79668
2011	2	51333.90465	51333.90465
2011	3	34993.59912	34993.59912
2011	4	74781.29326	74781.29326
2011	5	66942.52754	66942.52754
2011	6	21266.18224	21266.18224
2011	7	7830.410902	7830.410902
2011	8	-1139.198304	-1139.198304
2011	9	-39610.94607	-39610.94607
2011	10	-45122.80735	-45122.80735
2011	11	-59433.34073	-59433.34073
2011	12	-45758.37217	-45758.37217
2012	1	11409.19148	11409.19148
2012	2	32092.58143	32092.58143
2012	3	109063.5356	109063.5356
2012	4	-11240.47401	-11240.47401
2012	5	57883.43448	57883.43448
2012	6	16298.10746	16298.10746
2012	7	1379.54276	1379.54276
2012	8	-3298.283106	-3298.283106
2012	9	-28553.95387	-28553.95387
2012	10	-57421.10123	-57421.10123
2012	11	-58714.60182	-58714.60182
2012	12	-85615.97246	-85615.97246
2013	1	30340.94645	30340.94645
2013	2	35376.52418	35376.52418
2013	3	2769.410581	2769.410581
2013	4	96447.74068	96447.74068
2013	5	69088.14388	69088.14388
2013	6	31092.19783	31092.19783
2013	7	-2232.691009	-2232.691009
2013	8	4700.931057	4700.931057
2013	9	-21441.84593	-21441.84593
2013	10	-85213.40983	-85213.40983
2013	11	-80142.70395	-80142.70395
2013	12	-88780.09861	-88780.09861
2014	1	-66414.3663	-66414.3663
2014	2	21444.46161	21444.46161
2014	3	81979.87633	81979.87633
2014	4	83564.29122	83564.29122
2014	5	74750.13153	74750.13153
2014	6	25236.51204	25236.51204
2014	7	-1840.889393	-1840.889393
2014	8	2113.746316	2113.746316
2014	9	-29570.28396	-29570.28396

2014	10	-60911.6599	-60911.6599
2014	11	-132466.1165	-132466.1165
2014	12	4504.754914	4504.754914
2015	1	-20266.16575	-20266.16575
2015	2	-53641.16554	-53641.16554
2015	3	116020.0853	116020.0853
2015	4	74538.94964	74538.94964
2015	5	41661.61774	41661.61774
2015	6	35038.71115	35038.71115
2015	7	773.1405047	773.1405047
2015	8	-2557.293818	-2557.293818
2015	9	-26725.04519	-26725.04519
2015	10	-61479.22435	-61479.22435
2015	11	-72530.97135	-72530.97135
2015	12	-64953.94181	-64953.94181
2016	1	-16337.49564	-16337.49564
2016	2	35011.14897	35011.14897
2016	3	51932.9169	51932.9169
2016	4	76679.8985	76679.8985
2016	5	48200.59585	48200.59585
2016	6	29379.04947	29379.04947
2016	7	3380.362469	3380.362469
2016	8	-2557.293818	-2557.293818
2016	9	-26725.04519	-26725.04519
2016	10	-61479.22435	-61479.22435
2016	11	-72530.97135	-72530.97135
2016	12	-64953.94181	-64953.94181
2017	1	-16337.49564	-16337.49564
2017	2	35011.14897	35011.14897
2017	3	51932.9169	51932.9169
2017	4	76679.8985	76679.8985
2017	5	48200.59585	48200.59585
2017	6	29379.04947	29379.04947
2017	7	3380.362469	3380.362469
2017	8	-2557.293818	-2557.293818
2017	9	-26725.04519	-26725.04519
2017	10	-61479.22435	-61479.22435
2017	11	-72530.97135	-72530.97135
2017	12	-64953.94181	-64953.94181
2018	1	-16337.49564	-16337.49564
2018	2	35011.14897	35011.14897
2018	3	51932.9169	51932.9169
2018	4	76679.8985	76679.8985
2018	5	48200.59585	48200.59585
2018	6	29379.04947	29379.04947
2018	7	3380.362469	3380.362469
2018	8	-2557.293818	-2557.293818

2018	9	-26725.04519	-26725.04519
2018	10	-61479.22435	-61479.22435
2018	11	-72530.97135	-72530.97135
2018	12	-64953.94181	-64953.94181
2019	1	-16337.49564	-16337.49564
2019	2	35011.14897	35011.14897
2019	3	51932.9169	51932.9169
2019	4	76679.8985	76679.8985
2019	5	48200.59585	48200.59585
2019	6	29379.04947	29379.04947
2019	7	3380.362469	3380.362469
2019	8	-2557.293818	-2557.293818
2019	9	-26725.04519	-26725.04519
2019	10	-61479.22435	-61479.22435
2019	11	-72530.97135	-72530.97135
2019	12	-64953.94181	-64953.94181
2020	1	-16337.49564	-16337.49564
2020	2	35011.14897	35011.14897
2020	3	51932.9169	51932.9169
2020	4	76679.8985	76679.8985
2020	5	48200.59585	48200.59585
2020	6	29379.04947	29379.04947
2020	7	3380.362469	3380.362469
2020	8	-2557.293818	-2557.293818
2020	9	-26725.04519	-26725.04519
2020	10	-61479.22435	-61479.22435
2020	11	-72530.97135	-72530.97135
2020	12	-64953.94181	-64953.94181
2021	1	-16337.49564	-16337.49564
2021	2	35011.14897	35011.14897
2021	3	51932.9169	51932.9169
2021	4	76679.8985	76679.8985
2021	5	48200.59585	48200.59585
2021	6	29379.04947	29379.04947
2021	7	3380.362469	3380.362469
2021	8	-2557.293818	-2557.293818
2021	9	-26725.04519	-26725.04519
2021	10	-61479.22435	-61479.22435
2021	11	-72530.97135	-72530.97135
2021	12	-64953.94181	-64953.94181
2022	1	-16337.49564	-16337.49564
2022	2	35011.14897	35011.14897
2022	3	51932.9169	51932.9169
2022	4	76679.8985	76679.8985
2022	5	48200.59585	48200.59585
2022	6	29379.04947	29379.04947
2022	7	3380.362469	3380.362469

2022	8	-2557.293818	-2557.293818
2022	9	-26725.04519	-26725.04519
2022	10	-61479.22435	-61479.22435
2022	11	-72530.97135	-72530.97135
2022	12	-64953.94181	-64953.94181
2023	1	-16337.49564	-16337.49564
2023	2	35011.14897	35011.14897
2023	3	51932.9169	51932.9169
2023	4	76679.8985	76679.8985
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2023	6	29379.04947	29379.04947
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2023	8	-2557.293818	-2557.293818
2023	9	-26725.04519	-26725.04519
2023	10	-61479.22435	-61479.22435
2023	11	-72530.97135	-72530.97135
2023	12	-64953.94181	-64953.94181
2024	1	-16337.49564	-16337.49564
2024	2	35011.14897	35011.14897
2024	3	51932.9169	51932.9169
2024	4	76679.8985	76679.8985
2024	5	48200.59585	48200.59585
2024	6	29379.04947	29379.04947
2024	7	3380.362469	3380.362469
2024	8	-2557.293818	-2557.293818
2024	9	-26725.04519	-26725.04519
2024	10	-61479.22435	-61479.22435
2024	11	-72530.97135	-72530.97135
2024	12	-64953.94181	-64953.94181
2025	1	-16337.49564	-16337.49564
2025	2	35011.14897	35011.14897
2025	3	51932.9169	51932.9169
2025	4	76679.8985	76679.8985
2025	5	48200.59585	48200.59585
2025	6	29379.04947	29379.04947
2025	7	3380.362469	3380.362469
2025	8	-2557.293818	-2557.293818
2025	9	-26725.04519	-26725.04519
2025	10	-61479.22435	-61479.22435
2025	11	-72530.97135	-72530.97135
2025	12	-64953.94181	-64953.94181
2026	1	-16337.49564	-16337.49564
2026	2	35011.14897	35011.14897
2026	3	51932.9169	51932.9169
2026	4	76679.8985	76679.8985
2026	5	48200.59585	48200.59585
2026	6	29379.04947	29379.04947

2026	7	3380.362469	3380.362469
2026	8	-2557.293818	-2557.293818
2026	9	-26725.04519	-26725.04519
2026	10	-61479.22435	-61479.22435
2026	11	-72530.97135	-72530.97135
2026	12	-64953.94181	-64953.94181
2027	1	-16337.49564	-16337.49564
2027	2	35011.14897	35011.14897
2027	3	51932.9169	51932.9169
2027	4	76679.8985	76679.8985
2027	5	48200.59585	48200.59585
2027	6	29379.04947	29379.04947
2027	7	3380.362469	3380.362469
2027	8	-2557.293818	-2557.293818
2027	9	-26725.04519	-26725.04519
2027	10	-61479.22435	-61479.22435
2027	11	-72530.97135	-72530.97135
2027	12	-64953.94181	-64953.94181
2028	1	-16337.49564	-16337.49564
2028	2	35011.14897	35011.14897
2028	3	51932.9169	51932.9169
2028	4	76679.8985	76679.8985
2028	5	48200.59585	48200.59585
2028	6	29379.04947	29379.04947
2028	7	3380.362469	3380.362469
2028	8	-2557.293818	-2557.293818
2028	9	-26725.04519	-26725.04519
2028	10	-61479.22435	-61479.22435
2028	11	-72530.97135	-72530.97135
2028	12	-64953.94181	-64953.94181
2029	1	-16337.49564	-16337.49564
2029	2	35011.14897	35011.14897
2029	3	51932.9169	51932.9169
2029	4	76679.8985	76679.8985
2029	5	48200.59585	48200.59585
2029	6	29379.04947	29379.04947
2029	7	3380.362469	3380.362469
2029	8	-2557.293818	-2557.293818
2029	9	-26725.04519	-26725.04519
2029	10	-61479.22435	-61479.22435
2029	11	-72530.97135	-72530.97135
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2030	1	-16337.49564	-16337.49564
2030	2	35011.14897	35011.14897
2030	3	51932.9169	51932.9169
2030	4	76679.8985	76679.8985
2030	5	48200.59585	48200.59585

2030	6	29379.04947	29379.04947
2030	7	3380.362469	3380.362469
2030	8	-2557.293818	-2557.293818
2030	9	-26725.04519	-26725.04519
2030	10	-61479.22435	-61479.22435
2030	11	-72530.97135	-72530.97135
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Year	Month	Predicted	Simulated	Diff	%Diff	YTD Diff
2007	1					
2007	2	2980763.993	2979695.391	1068.602204	0.035849943	
2007	3	3096188.424	3093017.03	3171.393475	0.102428956	
2007	4	3108218.298	3106639.342	1578.956152	0.050799397	
2007	5	2984036.144	2982385.443	1650.701574	0.055317747	
2007	6	3146617.163	3146050.711	566.4512379	0.018001912	
2007	7	2875620.333	2875583.394	36.93924379	0.001284566	
2007	8	3213406.537	3213462.503	-55.96573871	-0.001741633	
2007	9	3798060.992	3798649.681	-588.6890337	-0.015499726	
2007	10	3401009.756	3402648.763	-1639.007241	-0.048191783	
2007	11	3161859.238	3165260.971	-3401.733104	-0.107586482	
2007	12	3299795.706	3301867.292	-2071.586204	-0.062779226	
2008	1	3212751.838	3213060.364	-308.5262166	-0.009603176	-308.5262166
2008	2	3376811.946	3376091.018	720.9278142	0.021349362	412.4015976
2008	3	3109924.706	3107668.613	2256.092763	0.072544932	2668.494361
2008	4	3143894.648	3141430.703	2463.944408	0.078372359	5132.438769
2008	5	3052256.021	3050493.89	1762.131866	0.057732112	6894.570635
2008	6	2836843.371	2835668.072	1175.299075	0.041429819	8069.86971
2008	7	2689632.972	2689567.243	65.72957903	0.002443812	8135.599289
2008	8	2939116	2939205.823	-89.82361844	-0.003056144	8045.775671
2008	9	3301827.128	3302299.282	-472.1540729	-0.014299782	7573.621598
2008	10	3162296.562	3164671.569	-2375.007751	-0.075103891	5198.613847
2008	11	3170087.957	3172846.706	-2758.748951	-0.087024366	2439.864896
2008	12	3023173.479	3026253.692	-3080.213184	-0.101886749	-640.348288
2009	1	2965709.938	2966942.15	-1232.211498	-0.041548618	-1232.211498
2009	2	3525048.372	3522514.08	2534.291998	0.071893822	1302.0805
2009	3	3117328.586	3115421.311	1907.274766	0.061182988	3209.355266
2009	4	2882856.366	2880462.65	2393.715457	0.083032769	5603.070723
2009	5	2986069.363	2984590.346	1479.017621	0.049530585	7082.088344
2009	6	2914992.525	2914254.501	738.023816	0.025318206	7820.11216
2009	7	3032796.12	3032751.292	44.82827827	0.001478117	7864.940438
2009	8	3105346.416	3105536.57	-190.1535746	-0.006123426	7674.786864
2009	9	3364622.619	3364892.591	-269.972041	-0.008023843	7404.814823
2009	10	3398206.223	3401196.836	-2990.612315	-0.088005616	4414.202508
2009	11	3901864.408	3902177.983	-313.5751987	-0.008036548	4100.627309
2009	12	3266428.331	3270598.326	-4169.995125	-0.127662226	-69.3678161
2010	1	3114416.654	3114538.776	-122.1222537	-0.003921192	-122.1222537
2010	2	3213587.318	3212974.814	612.5046369	0.019059841	490.3823831
2010	3	3318651.566	3315265.61	3385.95665	0.102028085	3876.339033
2010	4	3145287.866	3142967.099	2320.766705	0.07378551	6197.105738
2010	5	3018149.27	3017217.139	932.131189	0.030884198	7129.236927
2010	6	2968993.93	2968344.82	649.1097568	0.021862953	7778.346683
2010	7	3110147.146	3110060.682	86.46381788	0.002780056	7864.810501
2010	8	3281862.026	3281919.068	-57.04235988	-0.00173811	7807.768141
2010	9	3463420.1	3464386.906	-966.8058159	-0.027914772	6840.962326
2010	10	3651489.721	3652995.079	-1505.357715	-0.041225851	5335.60461

2010	11	3237641.503	3240706.402	-3064.899176	-0.094664563	2270.705434
2010	12	3273412.346	3275955.436	-2543.090592	-0.077689283	-272.3851575
2011	1	3254966.673	3257223.809	-2257.136295	-0.069344375	-2257.136295
2011	2	3341587.41	3339926.221	1661.189349	0.049712581	-595.9469457
2011	3	3436566.109	3435433.7	1132.409361	0.03295177	536.4624151
2011	4	3153101.985	3150682.027	2419.957896	0.076748482	2956.420311
2011	5	3167870.969	3165704.677	2166.291743	0.068383206	5122.712054
2011	6	2920102.984	2919414.8	688.1836805	0.023567103	5810.895734
2011	7	3030517.952	3030264.556	253.3957874	0.008361468	6064.291522
2011	8	3143382.677	3143419.542	-36.86499405	-0.001172781	6027.426528
2011	9	3556291.022	3557572.851	-1281.828884	-0.036043982	4745.597643
2011	10	3699815.111	3701275.307	-1460.195313	-0.03946671	3285.40233
2011	11	3311593.821	3313517.112	-1923.290918	-0.058077501	1362.111412
2011	12	3211498.482	3212979.244	-1480.76249	-0.046108149	-118.6510785
2012	1	3112992.872	3112623.665	369.2068136	0.011860188	369.2068136
2012	2	3184542.165	3183503.634	1038.531061	0.032611629	1407.737875
2012	3	3388570.732	3385041.385	3529.347417	0.104154456	4937.085292
2012	4	3231773.072	3232136.819	-363.7470368	-0.01125534	4573.338255
2012	5	3288975.102	3287101.966	1873.135222	0.056951943	6446.473477
2012	6	3183281.924	3182754.51	527.4144391	0.01656826	6973.887916
2012	7	3444474.838	3444430.195	44.64265393	0.001296066	7018.53057
2012	8	3554046.717	3554153.451	-106.7339959	-0.003003168	6911.796574
2012	9	4158130.832	4159054.851	-924.0194053	-0.02222199	5987.777169
2012	10	3493936.522	3495794.696	-1858.1739	-0.053182818	4129.603269
2012	11	3301919.332	3303819.364	-1900.032188	-0.057543265	2229.57108
2012	12	3441179.711	3443950.284	-2770.573221	-0.080512308	-541.0021408
2013	1	3160333.965	3159352.117	981.8473274	0.031067835	981.8473274
2013	2	3280198.316	3279053.515	1144.800996	0.034900359	2126.648324
2013	3	3368261.572	3368171.953	89.61943167	0.002660703	2216.267755
2013	4	3155847.1	3152726.006	3121.094346	0.098898782	5337.362101
2013	5	3161609.423	3159373.698	2235.724899	0.070714772	7573.087
2013	6	3022606.283	3021600.124	1006.158176	0.033287768	8579.245176
2013	7	3102733.69	3102805.941	-72.25093336	-0.002328622	8506.994243
2013	8	3122719.047	3122566.923	152.1243446	0.004871535	8659.118587
2013	9	3437074.131	3437767.999	-693.8682403	-0.020187759	7965.250347
2013	10	3462026.034	3464783.58	-2757.546105	-0.079651224	5207.704242
2013	11	3583543.619	3586137.075	-2593.455673	-0.07237126	2614.248569
2013	12	3470774.939	3473647.905	-2872.965835	-0.082775918	-258.717266
2014	1	3438992.819	3441142.019	-2149.200196	-0.062495048	-2149.200196
2014	2	3656650.745	3655956.792	693.952885	0.018977828	-1455.247311
2014	3	3480582.714	3477929.806	2652.907437	0.07622021	1197.660126
2014	4	3586992.211	3584288.031	2704.17985	0.075388506	3901.839975
2014	5	3482515.692	3480096.742	2418.949488	0.06945983	6320.789463
2014	6	3213986.695	3213170.03	816.6654242	0.025409733	7137.454887
2014	7	3238401.124	3238460.696	-59.5720484	-0.001839551	7077.882839
2014	8	3434876.311	3434807.909	68.40182703	0.001991391	7146.284666
2014	9	3586209.296	3587166.204	-956.908326	-0.026683003	6189.37634

2014	10	3671419.491	3673390.621	-1971.130023	-0.053688499	4218.246317
2014	11	3443435.47	3447722.136	-4286.665964	-0.124488059	-68.41964697
2014	12	3577921.687	3577775.911	145.7759922	0.00407432	77.35634523
2015	1	3561271.284	3561927.107	-655.8226755	-0.018415409	-655.8226755
2015	2	3503519.397	3505255.25	-1735.853399	-0.049545991	-2391.676075
2015	3	3616319.146	3612564.681	3754.464644	0.103820058	1362.788569
2015	4	3665432.641	3663020.526	2412.115542	0.065807117	3774.904111
2015	5	3472602.745	3471254.556	1348.189586	0.038823605	5123.093698
2015	6	3172496.257	3171362.387	1133.869207	0.0357406	6256.962905
2015	7	3354807.063	3354782.044	25.01919113	0.000745771	6281.982096
2015	8	3769610.831	3769693.586	-82.75523325	-0.002195326	6199.226863
2015	9	3626835.726	3627700.561	-864.8350584	-0.023845443	5334.391804
2015	10	3572096.009	3574085.505	-1989.496676	-0.055695498	3344.895128
2015	11	3556839.744	3559186.88	-2347.136418	-0.065989378	997.7587098
2015	12	3559168.339	3561270.279	-2101.940171	-0.05905706	-1104.181461
2016	1	3567683.288	3568211.977	-528.6890591	-0.014818834	-528.6890591
2016	2	3575558.43	3574425.452	1132.977282	0.031686723	604.2882231
2016	3	3583334.145	3581653.572	1680.573668	0.04689972	2284.861891
2016	4	3590587.828	3588106.431	2481.397656	0.069108396	4766.259547
2016	5	3597912.837	3596353.043	1559.794	0.043352746	6326.053547
2016	6	3606632.362	3605681.642	950.7198877	0.026360322	7276.773435
2016	7	3616545.715	3616436.325	109.3901227	0.003024713	7386.163558
2016	8	3627426.838	3627509.593	-82.75523325	-0.002281376	7303.408324
2016	9	3638298.24	3639163.075	-864.8350584	-0.023770318	6438.573266
2016	10	3650527.448	3652516.944	-1989.496676	-0.054498883	4449.07659
2016	11	3663957.793	3666304.93	-2347.136418	-0.064060138	2101.940171
2016	12	3678732.748	3680834.688	-2101.940171	-0.057137615	0
2017	1	3692610.878	3693139.567	-528.6890591	-0.014317486	-528.6890591
2017	2	3702199.554	3701066.577	1132.977282	0.030602815	604.2882231
2017	3	3709610.504	3707929.931	1680.573668	0.045303238	2284.861891
2017	4	3715602.727	3713121.329	2481.397656	0.06678318	4766.259547
2017	5	3721447.925	3719888.131	1559.794	0.041913632	6326.053547
2017	6	3728955.181	3728004.461	950.7198877	0.02549561	7276.773435
2017	7	3737934.925	3737825.535	109.3901227	0.002926485	7386.163558
2017	8	3747982.246	3748065.001	-82.75523325	-0.002207994	7303.408324
2017	9	3758004.672	3758869.507	-864.8350584	-0.023013145	6438.573266
2017	10	3769328.099	3771317.596	-1989.496676	-0.052781202	4449.07659
2017	11	3781805.1	3784152.237	-2347.136418	-0.062063918	2101.940171
2017	12	3795585.063	3797687.003	-2101.940171	-0.055378555	0
2018	1	3808412.028	3808940.717	-528.6890591	-0.013882139	-528.6890591
2018	2	3816964.094	3815831.117	1132.977282	0.029682681	604.2882231
2018	3	3823287.974	3821607.401	1680.573668	0.043956241	2284.861891
2018	4	3828044.063	3825562.665	2481.397656	0.064821554	4766.259547
2018	5	3832459.144	3830899.35	1559.794	0.04069956	6326.053547
2018	6	3838287.983	3837337.263	950.7198877	0.024769374	7276.773435
2018	7	3845349.527	3845240.137	109.3901227	0.002844738	7386.163558
2018	8	3853237.761	3853320.516	-82.75523325	-0.00214768	7303.408324

2018	9	3860947.315	3861812.15	-864.8350584	-0.022399556	6438.573266
2018	10	3869738.381	3871727.878	-1989.496676	-0.051411658	4449.07659
2018	11	3879421.112	3881768.249	-2347.136418	-0.060502233	2101.940171
2018	12	3890171.542	3892273.482	-2101.940171	-0.054032069	0
2019	1	3899942.336	3900471.025	-528.6890591	-0.01355633	-528.6890591
2019	2	3905913.281	3904780.304	1132.977282	0.029006719	604.2882231
2019	3	3910146.245	3908465.671	1680.573668	0.042979816	2284.861891
2019	4	3912949.518	3910468.121	2481.397656	0.063415018	4766.259547
2019	5	3915173.975	3913614.181	1559.794	0.039839711	6326.053547
2019	6	3918308.776	3917358.056	950.7198877	0.024263526	7276.773435
2019	7	3922480.779	3922371.389	109.3901227	0.002788799	7386.163558
2019	8	3927748.801	3927831.556	-82.75523325	-0.002106938	7303.408324
2019	9	3933527.45	3934392.285	-864.8350584	-0.021986247	6438.573266
2019	10	3940866.675	3942856.172	-1989.496676	-0.050483735	4449.07659
2019	11	3949246.464	3951593.6	-2347.136418	-0.059432513	2101.940171
2019	12	3958599.898	3960701.838	-2101.940171	-0.053098071	0
2020	1	3966870.237	3967398.926	-528.6890591	-0.013327612	-528.6890591
2020	2	3971513.749	3970380.772	1132.977282	0.028527593	604.2882231
2020	3	3974540.418	3972859.844	1680.573668	0.042283472	2284.861891
2020	4	3976259.613	3973778.215	2481.397656	0.062405323	4766.259547
2020	5	3977791.156	3976231.362	1559.794	0.039212566	6326.053547
2020	6	3980692.699	3979741.979	950.7198877	0.023883278	7276.773435
2020	7	3984976.457	3984867.067	109.3901227	0.002745063	7386.163558
2020	8	3990521.692	3990604.447	-82.75523325	-0.002073795	7303.408324
2020	9	3996594.248	3997459.083	-864.8350584	-0.021639301	6438.573266
2020	10	4004237.222	4006226.719	-1989.496676	-0.049684786	4449.07659
2020	11	4012960.731	4015307.867	-2347.136418	-0.058488896	2101.940171
2020	12	4022733.433	4024835.373	-2101.940171	-0.05225154	0
2021	1	4031555.263	4032083.952	-528.6890591	-0.013113774	-528.6890591
2021	2	4036805.267	4035672.29	1132.977282	0.028066186	604.2882231
2021	3	4040602.624	4038922.05	1680.573668	0.041592154	2284.861891
2021	4	4043228.522	4040747.125	2481.397656	0.06137169	4766.259547
2021	5	4045496.976	4043937.182	1559.794	0.038556301	6326.053547
2021	6	4048846.425	4047895.705	950.7198877	0.023481253	7276.773435
2021	7	4053397.738	4053288.348	109.3901227	0.002698727	7386.163558
2021	8	4059224.311	4059307.066	-82.75523325	-0.002038696	7303.408324
2021	9	4065722.729	4066587.564	-864.8350584	-0.021271373	6438.573266
2021	10	4073934.971	4075924.468	-1989.496676	-0.048834768	4449.07659
2021	11	4083317.315	4085664.452	-2347.136418	-0.057481117	2101.940171
2021	12	4093783.735	4095885.675	-2101.940171	-0.05134468	0
2022	1	4103282.137	4103810.826	-528.6890591	-0.012884541	-528.6890591
2022	2	4109089.496	4107956.518	1132.977282	0.027572465	604.2882231
2022	3	4113318.693	4111638.119	1680.573668	0.04085688	2284.861891
2022	4	4116290.242	4113808.845	2481.397656	0.060282378	4766.259547
2022	5	4118851.191	4117291.397	1559.794	0.037869637	6326.053547
2022	6	4122492.549	4121541.829	950.7198877	0.023061773	7276.773435
2022	7	4127388.927	4127279.537	109.3901227	0.002650347	7386.163558

2022	8	4133674.863	4133757.618	-82.75523325	-0.002001977	7303.408324
2022	9	4140728.928	4141593.763	-864.8350584	-0.020886058	6438.573266
2022	10	4149429.213	4151418.709	-1989.496676	-0.047946273	4449.07659
2022	11	4159012.429	4161359.565	-2347.136418	-0.056434946	2101.940171
2022	12	4169269.698	4171371.638	-2101.940171	-0.050415068	0
2023	1	4178336.676	4178865.365	-528.6890591	-0.012653099	-528.6890591
2023	2	4183804.228	4182671.251	1132.977282	0.027080074	604.2882231
2023	3	4187952.572	4186271.999	1680.573668	0.040128766	2284.861891
2023	4	4191015.069	4188533.671	2481.397656	0.059207557	4766.259547
2023	5	4193659.983	4192100.189	1559.794	0.037194098	6326.053547
2023	6	4197240.313	4196289.593	950.7198877	0.022651071	7276.773435
2023	7	4201947.765	4201838.375	109.3901227	0.002603319	7386.163558
2023	8	4207984.139	4208066.894	-82.75523325	-0.001966624	7303.408324
2023	9	4214808.376	4215673.211	-864.8350584	-0.020518965	6438.573266
2023	10	4223370.126	4225359.622	-1989.496676	-0.047106851	4449.07659
2023	11	4232979.472	4235326.608	-2347.136418	-0.055448802	2101.940171
2023	12	4243452.93	4245554.871	-2101.940171	-0.049533722	0
2024	1	4252797.44	4253326.129	-528.6890591	-0.01243156	-528.6890591
2024	2	4258514.501	4257381.524	1132.977282	0.026604988	604.2882231
2024	3	4262706.081	4261025.507	1680.573668	0.039425042	2284.861891
2024	4	4265637.6	4263156.202	2481.397656	0.058171788	4766.259547
2024	5	4268304.517	4266744.723	1559.794	0.036543644	6326.053547
2024	6	4272189.977	4271239.257	950.7198877	0.022253689	7276.773435
2024	7	4277321.987	4277212.597	109.3901227	0.002557444	7386.163558
2024	8	4283640.821	4283723.576	-82.75523325	-0.00193189	7303.408324
2024	9	4290430.845	4291295.68	-864.8350584	-0.020157301	6438.573266
2024	10	4298776.343	4300765.84	-1989.496676	-0.046280535	4449.07659
2024	11	4308210.869	4310558.006	-2347.136418	-0.054480537	2101.940171
2024	12	4318720.945	4320822.885	-2101.940171	-0.048670433	0
2025	1	4328319.597	4328848.286	-528.6890591	-0.012214649	-528.6890591
2025	2	4334329.607	4333196.63	1132.977282	0.02613962	604.2882231
2025	3	4338907.205	4337226.631	1680.573668	0.038732648	2284.861891
2025	4	4342373.304	4339891.906	2481.397656	0.057143812	4766.259547
2025	5	4345534.136	4343974.342	1559.794	0.035894184	6326.053547
2025	6	4349828.89	4348878.17	950.7198877	0.021856489	7276.773435
2025	7	4355329.966	4355220.576	109.3901227	0.002511638	7386.163558
2025	8	4362059.343	4362142.098	-82.75523325	-0.00189716	7303.408324
2025	9	4369330.107	4370194.942	-864.8350584	-0.01979331	6438.573266
2025	10	4378177.548	4380167.045	-1989.496676	-0.045441206	4449.07659
2025	11	4388049.611	4390396.748	-2347.136418	-0.053489286	2101.940171
2025	12	4398875.368	4400977.308	-2101.940171	-0.047783581	0
2026	1	4408705.501	4409234.19	-528.6890591	-0.011991934	-528.6890591
2026	2	4414911.444	4413778.467	1132.977282	0.025662514	604.2882231
2026	3	4419709.664	4418029.09	1680.573668	0.038024526	2284.861891
2026	4	4423445.437	4420964.04	2481.397656	0.056096491	4766.259547
2026	5	4426924.452	4425364.658	1559.794	0.035234258	6326.053547
2026	6	4431585.328	4430634.608	950.7198877	0.021453268	7276.773435

2026	7	4437484.068	4437374.678	109.3901227	0.002465138	7386.163558
2026	8	4444627.063	4444709.818	-82.75523325	-0.001861916	7303.408324
2026	9	4452318.069	4453182.904	-864.8350584	-0.019424377	6438.573266
2026	10	4461680.942	4463670.439	-1989.496676	-0.044590743	4449.07659
2026	11	4472266.835	4474613.971	-2347.136418	-0.05248203	2101.940171
2026	12	4484040.28	4486142.22	-2101.940171	-0.046876032	0
2027	1	4494881.577	4495410.266	-528.6890591	-0.011762024	-528.6890591
2027	2	4501856.184	4500723.207	1132.977282	0.025166892	604.2882231
2027	3	4507078.132	4505397.558	1680.573668	0.037287431	2284.861891
2027	4	4511026.624	4508545.226	2481.397656	0.055007382	4766.259547
2027	5	4514710.662	4513150.868	1559.794	0.034549146	6326.053547
2027	6	4519719.3	4518768.58	950.7198877	0.021034932	7276.773435
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2027	8	4533472.954	4533555.709	-82.75523325	-0.001825427	7303.408324
2027	9	4541260.962	4542125.797	-864.8350584	-0.019043941	6438.573266
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2028	5	4605991.245	4604431.451	1559.794	0.033864459	6326.053547
2028	6	4611368.632	4610417.912	950.7198877	0.02061687	7276.773435
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Subp.3 A **Rochester Annual Gas Consumption by Ultimate Consumers**

Calendar Sales: Units MCF **Revised with Rochester weather**

Year	Residential	Small Commercial	Large Commercial	Interruptible	Transport	Total	
2015	3,713,977	180,305	1,871,935	208,100	4,243,211	10,217,528	
2016	3,729,695	181,227	1,875,340	198,364	4,339,720	10,324,346	1.0%
2017	3,785,905	183,661	1,890,286	204,223	4,486,107	10,550,182	2.2%
2018	3,849,917	186,781	1,905,232	207,739	4,614,632	10,764,301	2.0%
2019	3,921,009	190,247	1,920,177	209,849	4,709,490	10,950,772	1.7%
2020	3,998,608	193,919	1,935,123	211,116	4,785,969	11,124,735	1.6%
2021	4,082,238	197,734	1,950,069	211,875	4,867,592	11,309,508	1.7%
2022	4,171,485	201,665	1,965,015	212,331	4,956,283	11,506,779	1.7%
2023	4,265,974	205,692	1,979,960	212,605	5,045,655	11,709,886	1.8%
2024	4,365,365	209,803	1,994,906	212,769	5,135,725	11,918,568	1.8%
2025	4,469,339	213,989	2,009,852	212,868	5,229,112	12,135,160	1.8%

Subp.3 A **Annual Gas Consumption by Ultimate Consumers and Customers**

Calendar Sales: Units MCF **Revised with Rochester weather**

Year	Residential	%chg	Residential Customers	%chg	Small Commercial	%chg	Small Commercial Customers	%chg	Large Commercial	%chg	Large Commercial Customers	%chg	Interruptible	%chg	Interruptible Customers	%chg	Transport	%chg	Transport Customers	%chg	**Total Sales**	%chg	**Total Customers**	%chg	Year	
2015	3,713,977		41,010		180,305		1,414		1,871,935		1,594		208,100		23		4,243,211		21		10,217,528		44,062		2015	2015
2016	3,729,695	0.4%	41,554	1.3%	181,227	0.5%	1,437	1.6%	1,875,340	0.2%	1,623	1.8%	198,364	-4.7%	23	0.0%	4,339,720	2.3%	22	4.8%	10,324,346	1.0%	44,659	1.4%	2016	2016
2017	3,785,905	1.5%	42,191	1.5%	183,661	1.3%	1,462	1.7%	1,890,286	0.8%	1,657	2.1%	204,223	3.0%	23	0.0%	4,486,107	3.4%	23	4.5%	10,550,182	2.2%	45,356	1.6%	2017	2017
2018	3,849,917	1.7%	42,912	1.7%	186,781	1.7%	1,493	2.1%	1,905,232	0.8%	1,685	1.7%	207,739	1.7%	23	0.0%	4,614,632	2.9%	24	4.3%	10,764,301	2.0%	46,137	1.7%	2018	2018
2019	3,921,009	1.8%	43,710	1.9%	190,247	1.9%	1,526	2.2%	1,920,177	0.8%	1,706	1.2%	209,849	1.0%	23	0.0%	4,709,490	2.1%	25	4.2%	10,950,772	1.7%	46,990	1.8%	2019	2019
2020	3,998,608	2.0%	44,579	2.0%	193,919	1.9%	1,561	2.3%	1,935,123	0.8%	1,723	1.0%	211,116	0.6%	24	4.3%	4,785,969	1.6%	25	0.0%	11,124,735	1.6%	47,912	2.0%	2020	2020
2021	4,082,238	2.1%	45,515	2.1%	197,734	2.0%	1,598	2.4%	1,950,069	0.8%	1,741	1.0%	211,875	0.4%	24	0.0%	4,867,592	1.7%	26	4.0%	11,309,508	1.7%	48,904	2.1%	2021	2021
2022	4,171,485	2.2%	46,513	2.2%	201,665	2.0%	1,635	2.3%	1,965,015	0.8%	1,761	1.1%	212,331	0.2%	24	0.0%	4,956,283	1.8%	27	3.8%	11,506,779	1.7%	49,960	2.2%	2022	2022
2023	4,265,974	2.3%	47,569	2.3%	205,692	2.0%	1,674	2.4%	1,979,960	0.8%	1,780	1.1%	212,605	0.1%	25	4.2%	5,045,655	1.8%	27	0.0%	11,709,886	1.8%	51,075	2.2%	2023	2023
2024	4,365,365	2.3%	48,679	2.3%	209,803	2.0%	1,714	2.4%	1,994,906	0.8%	1,800	1.1%	212,769	0.1%	25	0.0%	5,135,725	1.8%	28	3.7%	11,918,568	1.8%	52,246	2.3%	2024	2024
2025	4,469,339	2.4%	49,840	2.4%	213,989	2.0%	1,754	2.3%	2,009,852	0.7%	1,821	1.2%	212,868	0.0%	25	0.0%	5,229,112	1.8%	29	3.6%	12,135,160	1.8%	53,469	2.3%	2025	2025
10 Yr Average		1.9%		2.0%		1.7%		2.2%		0.7%		1.3%		0.2%		0.9%		2.1%		3.3%		1.7%		2.0%		

Retail Usage and Customers

Year	Residential		Residential Customers		Small Commercial		Small Commercial Customers		Large Commercial		Large Commercial Customers		**Total Retail Sales**		**Total Retail Customers**	
2015	3,713,977		41,010		180,305		1,414		1,871,935		1,594		5,766,217		44,018	
2016	3,729,695	0.4%	41,554	1.3%	181,227	0.5%	1,437	1.6%	1,875,340	0.2%	1,623	1.8%	5,786,262	0.3%	44,614	1.4%
2017	3,785,905	1.5%	42,191	1.5%	183,661	1.3%	1,462	1.7%	1,890,286	0.8%	1,657	2.1%	5,859,852	1.3%	45,310	1.6%
2018	3,849,917	1.7%	42,912	1.7%	186,781	1.7%	1,493	2.1%	1,905,232	0.8%	1,685	1.7%	5,941,930	1.4%	46,090	1.7%
2019	3,921,009	1.8%	43,710	1.9%	190,247	1.9%	1,526	2.2%	1,920,177	0.8%	1,706	1.2%	6,031,433	1.5%	46,942	1.8%
2020	3,998,608	2.0%	44,579	2.0%	193,919	1.9%	1,561	2.3%	1,935,123	0.8%	1,723	1.0%	6,127,650	1.6%	47,863	2.0%
2021	4,082,238	2.1%	45,515	2.1%	197,734	2.0%	1,598	2.4%	1,950,069	0.8%	1,741	1.0%	6,230,041	1.7%	48,854	2.1%
2022	4,171,485	2.2%	46,513	2.2%	201,665	2.0%	1,635	2.3%	1,965,015	0.8%	1,761	1.1%	6,338,165	1.7%	49,909	2.2%
2023	4,265,974	2.3%	47,569	2.3%	205,692	2.0%	1,674	2.4%	1,979,960	0.8%	1,780	1.1%	6,451,626	1.8%	51,023	2.2%
2024	4,365,365	2.3%	48,679	2.3%	209,803	2.0%	1,714	2.4%	1,994,906	0.8%	1,800	1.1%	6,570,074	1.8%	52,193	2.3%
2025	4,469,339	2.4%	49,840	2.4%	213,989	2.0%	1,754	2.3%	2,009,852	0.7%	1,821	1.2%	6,693,180	1.9%	53,415	2.3%
		1.9%		2.0%		1.7%		2.2%		0.7%		1.3%		1.5%		2.0%

Revised with Rochester weather

Monthly Calendar Sales : Units MCF

Residential Sales and Duration Load Curve

	January	February	March	April	May	June	July	August	September	October	November	December	Annual	
2015	651,933	709,414	443,368	242,691	151,096	74,537	76,304	65,291	92,727	223,899	394,246	588,470	3,713,976	
2016	686,187	604,051	462,937	266,488	161,719	88,715	75,977	66,209	94,041	227,029	399,686	596,655	3,729,694	0.4%
2017	695,857	612,720	469,740	270,500	164,212	90,092	77,168	67,253	95,528	230,626	406,021	606,191	3,785,908	1.5%
2018	707,089	622,728	477,523	275,045	167,010	91,637	78,502	68,422	97,196	234,671	413,165	616,931	3,849,919	1.7%
2019	719,709	633,935	486,196	280,087	170,099	93,342	79,971	69,709	99,034	239,128	421,042	628,758	3,921,010	1.8%
2020	733,586	646,233	495,690	285,592	173,464	95,197	81,569	71,108	101,029	243,965	429,592	641,584	3,998,609	2.0%
2021	748,619	659,539	505,945	291,529	177,087	97,193	83,286	72,611	103,172	249,158	438,767	655,335	4,082,241	2.1%
2022	764,723	673,779	516,910	297,870	180,953	99,322	85,116	74,211	105,452	254,682	448,521	669,947	4,171,486	2.2%
2023	781,825	688,890	528,537	304,589	185,046	101,574	87,051	75,903	107,862	260,515	458,819	685,364	4,265,975	2.3%
2024	799,857	704,816	540,783	311,662	189,353	103,943	89,086	77,680	110,393	266,638	469,623	701,532	4,365,366	2.3%
2025	818,761	721,503	553,609	319,066	193,859	106,421	91,212	79,537	113,036	273,032	480,901	718,403	4,469,340	2.4%

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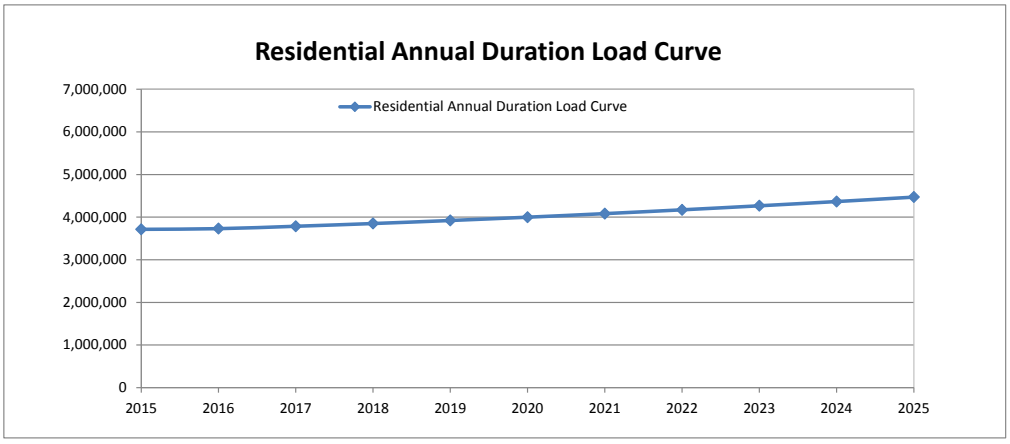

Revised with Rochester weather

Monthly Calendar Sales : Units MCF

Small Commercial and Industrial Sales and Duration Load Curve

	January	February	March	April	May	June	July	August	September	October	November	December	Annual	
2015	30,676	31,806	22,274	15,269	4,602	4,199	668	3,983	6,286	12,713	19,848	27,982	180,306	
2016	31,207	27,238	22,187	13,630	7,981	4,219	3,524	3,725	6,310	12,823	20,061	28,322	181,227	0.5%
2017	31,612	27,602	22,487	13,801	8,063	4,239	3,533	3,739	6,372	13,010	20,389	28,815	183,662	1.3%
2018	32,177	28,096	22,886	14,028	8,175	4,272	3,552	3,762	6,452	13,232	20,771	29,382	186,785	1.7%
2019	32,820	28,654	23,332	14,281	8,299	4,310	3,574	3,789	6,540	13,474	21,184	29,991	190,248	1.9%
2020	33,509	29,249	23,808	14,550	8,432	4,351	3,598	3,818	6,632	13,727	21,616	30,628	193,918	1.9%
2021	34,229	29,871	24,304	14,831	8,570	4,393	3,623	3,848	6,728	13,989	22,063	31,287	197,736	2.0%
2022	34,973	30,513	24,815	15,119	8,711	4,436	3,647	3,877	6,826	14,258	22,523	31,966	201,664	2.0%
2023	35,739	31,174	25,341	15,415	8,855	4,478	3,671	3,907	6,925	14,533	22,994	32,661	205,693	2.0%
2024	36,523	31,850	25,879	15,717	9,001	4,521	3,694	3,935	7,025	14,814	23,475	33,371	209,805	2.0%
2025	37,325	32,540	26,427	16,025	9,149	4,562	3,716	3,963	7,125	15,099	23,965	34,094	213,990	2.0%

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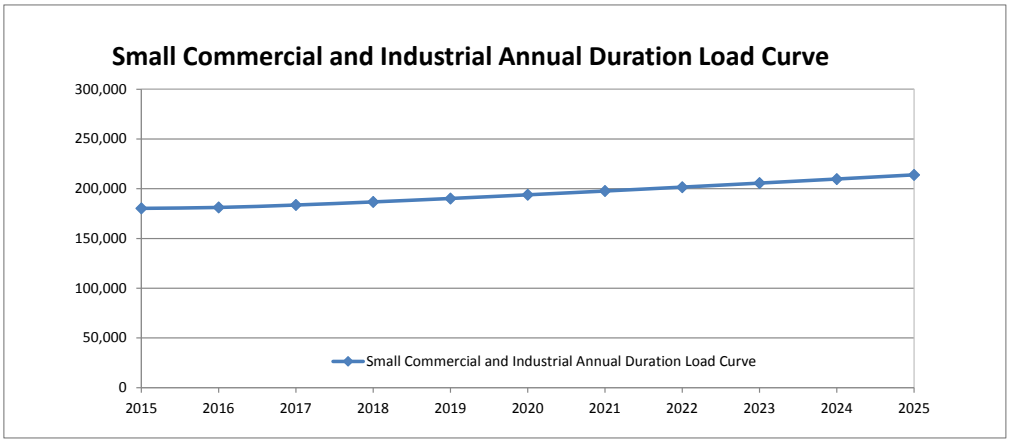

Revised with Rochester weather

Monthly Calendar Sales : Units MCF

Large Commercial and Industrial Sales and Duration Load Curve

	January	February	March	April	May	June	July	August	September	October	November	December	Annual	
2015	285,813	304,456	210,509	142,062	86,011	56,015	51,846	54,881	78,961	135,239	197,584	268,560	1,871,937	
2016	296,616	261,961	217,944	143,491	94,445	61,858	55,931	57,771	80,206	136,484	198,830	269,805	1,875,342	0.2%
2017	297,861	263,206	219,189	144,737	95,690	63,103	57,177	59,016	81,452	137,730	200,075	271,051	1,890,287	0.8%
2018	299,106	264,452	220,434	145,982	96,936	64,349	58,422	60,261	82,697	138,975	201,320	272,296	1,905,230	0.8%
2019	300,352	265,697	221,680	147,228	98,181	65,594	59,668	61,507	83,943	140,221	202,566	273,542	1,920,179	0.8%
2020	301,597	266,943	222,925	148,473	99,427	66,840	60,913	62,752	85,188	141,466	203,811	274,787	1,935,122	0.8%
2021	302,843	268,188	224,171	149,719	100,672	68,085	62,159	63,998	86,434	142,711	205,057	276,033	1,950,070	0.8%
2022	304,088	269,434	225,416	150,964	101,918	69,331	63,404	65,243	87,679	143,957	206,302	277,278	1,965,014	0.8%
2023	305,334	270,679	226,662	152,209	103,163	70,576	64,650	66,489	88,925	145,202	207,548	278,524	1,979,961	0.8%
2024	306,579	271,925	227,907	153,455	104,409	71,822	65,895	67,734	90,170	146,448	208,793	279,769	1,994,906	0.8%
2025	307,825	273,170	229,153	154,700	105,654	73,067	67,141	68,980	91,416	147,693	210,039	281,015	2,009,853	0.7%

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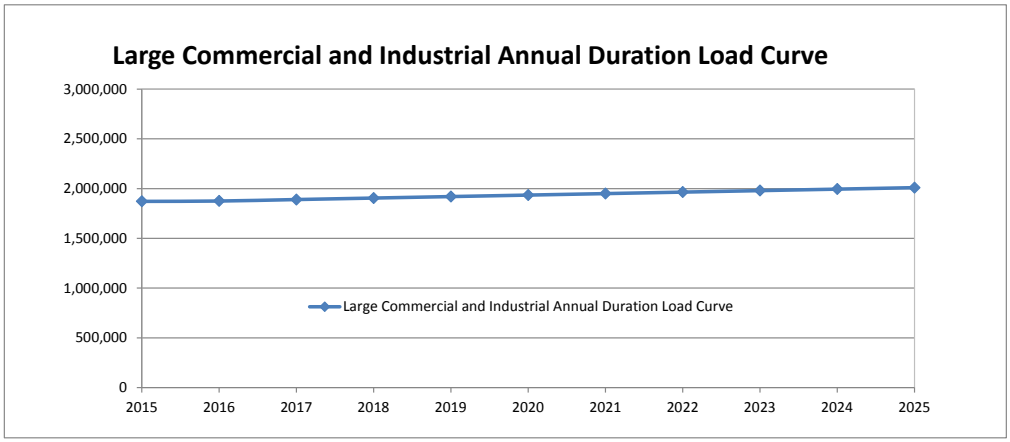


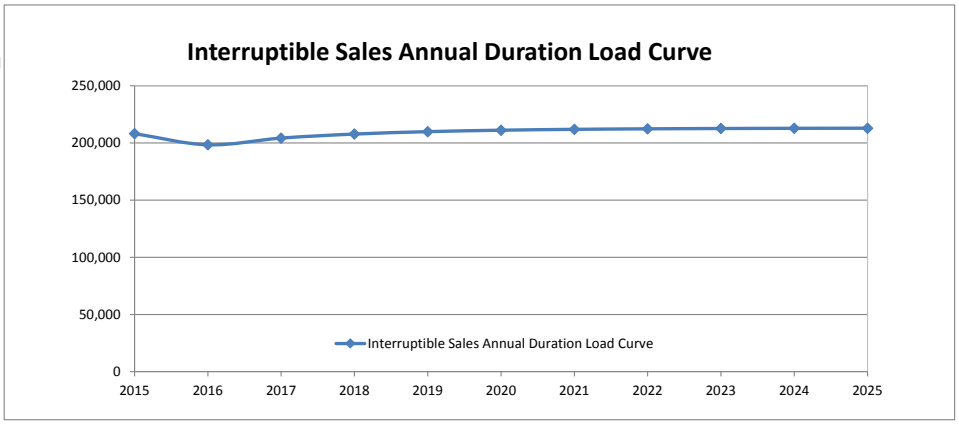
Revised with Rochester weather

Monthly Calendar Sales : Units MCF

Interruptible Sales and Duration Load Curve

	January	February	March	April	May	June	July	August	Septembe	October	November	December	Annual	
2015	39,828	36,399	26,820	14,569	7,251	4,397	3,223	4,379	6,869	12,641	19,627	32,097	208,100	
2016	31,863	34,718	25,156	15,012	7,185	2,932	3,414	2,880	5,923	13,286	21,797	34,199	198,365	-4.7%
2017	35,998	35,300	26,500	15,238	7,130	2,309	2,180	1,980	5,356	13,673	23,100	35,461	204,225	3.0%
2018	38,480	35,649	27,306	15,374	7,097	1,935	1,440	1,440	5,016	13,905	23,882	36,218	207,742	1.7%
2019	39,970	35,858	27,790	15,455	7,077	1,711	995	1,116	4,811	14,044	24,351	36,672	209,850	1.0%
2020	40,863	35,984	28,080	15,504	7,066	1,577	728	921	4,689	14,128	24,632	36,945	211,117	0.6%
2021	41,400	36,059	28,254	15,533	7,058	1,496	568	804	4,615	14,178	24,801	37,108	211,874	0.4%
2022	41,721	36,105	28,359	15,551	7,054	1,447	472	734	4,571	14,208	24,902	37,206	212,330	0.2%
2023	41,915	36,132	28,422	15,561	7,052	1,418	415	692	4,545	14,226	24,963	37,265	212,606	0.1%
2024	42,031	36,148	28,459	15,568	7,050	1,401	380	667	4,529	14,237	25,000	37,301	212,771	0.1%
2025	42,100	36,158	28,482	15,572	7,049	1,390	359	652	4,519	14,243	25,022	37,322	212,868	0.0%

Year	Interruptible Sales Annual
2015	208,100
2016	198,365
2017	204,225
2018	207,742
2019	209,850
2020	211,117
2021	211,874
2022	212,330
2023	212,606
2024	212,771
2025	212,868



Revised with Rochester weather

Monthly Calendar Sales : Units MCF

Transport Sales and Duration Load Curve

	January	February	March	April	May	June	July	August	Septembe	October	November	December	Annual	
2015	356,193	350,526	361,257	366,302	347,126	317,136	335,478	376,969	362,770	357,409	355,919	356,127	4,243,212	
2016	356,821	357,443	358,165	358,811	359,635	360,568	361,644	362,751	363,916	365,252	366,631	368,084	4,339,721	2.3%
2017	369,314	370,107	370,793	371,312	371,989	372,800	373,783	374,807	375,887	377,132	378,415	379,769	4,486,108	3.4%
2018	380,894	381,583	382,161	382,556	383,090	383,734	384,524	385,332	386,181	387,173	388,177	389,227	4,614,632	2.9%
2019	390,047	390,478	390,847	391,047	391,361	391,736	392,237	392,783	393,439	394,286	395,159	396,070	4,709,490	2.1%
2020	396,740	397,038	397,286	397,378	397,623	397,974	398,487	399,060	399,746	400,623	401,531	402,484	4,785,970	1.6%
2021	403,208	403,567	403,892	404,075	404,394	404,790	405,329	405,931	406,659	407,592	408,566	409,589	4,867,592	1.7%
2022	410,381	410,796	411,164	411,381	411,729	412,154	412,728	413,376	414,159	415,142	416,136	417,137	4,956,283	1.8%
2023	417,887	418,267	418,627	418,853	419,210	419,629	420,184	420,807	421,567	422,536	423,533	424,556	5,045,656	1.8%
2024	425,333	425,738	426,103	426,316	426,675	427,124	427,721	428,372	429,130	430,077	431,056	432,082	5,135,727	1.8%
2025	432,885	433,320	433,723	433,989	434,397	434,888	435,522	436,214	437,020	438,017	439,040	440,098	5,229,113	1.8%

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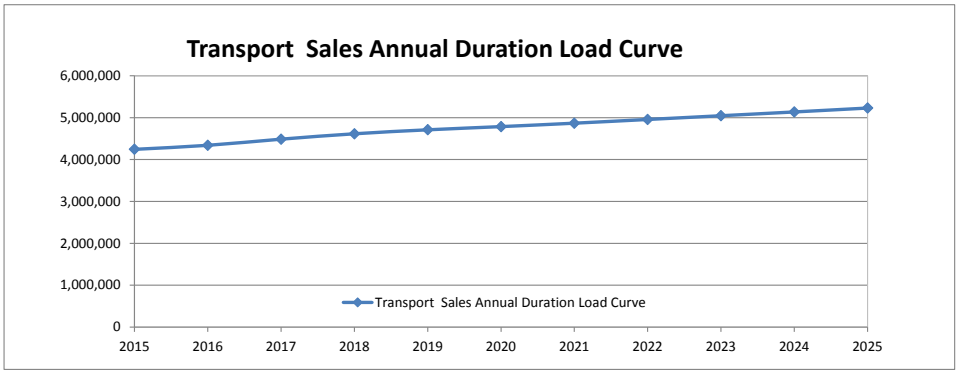


Name	Constant Intercept	AR(1) Variable	Peak AHDD	Point Estimate	Adjusted R Squared Factor	Standard Error Sigma	Confidence Level Factor for 97.50%	Peak Day Adj for Standard Error 2 Standard Deviations	105.00% Reserve Margin
Byron	69.407	22.074	101	2,299	0.9580	71.420	1.960	2,439	2,561
Claremont	14.210	2.747	101	292	0.9660	6.900	1.960	305	320
Dodge Center	235.133	17.473	101	2,000	0.9280	80.260	1.960	2,157	2,265
Kasson	106.281	31.575	101	3,295	0.9630	93.890	1.960	3,479	3,653
Kenyon	40.463	9.749	101	1,025	0.9570	31.030	1.960	1,086	1,140
Pine Island	40.142	14.391	101	1,494	0.9570	45.680	1.960	1,583	1,662
Wanamingo	69.244	5.553	101	630	0.9030	37.060	1.960	703	738
West Concord	28.398	4.857	101	519	0.9590	14.520	1.960	547	575
Zumbrota	-103.362	15.377	101	1,450	0.9370	103.770	1.960	1,653	1,736
Steele	6.913	1.250	101	133	0.7700	5.6100	1.960	144	151
Cannon Falls	305.726	25.888	101	2,920	0.9310	110.5500	1.960	3,137	3,294
Dover	10.790	3.018	101	316	0.9450	9.8100	1.960	335	352
Eyota	31.663	7.851	101	825	0.9560	24.8900	1.960	873	917
Viola	5.797	0.928	101	100	0.8800	1.8900	1.960	103	108
Stewartville	144.208	31.607	101	3,337	0.9580	100.6300	1.960	3,534	3,710
Hayfield	80.068	7.549	101	843	0.9440	27.2500	1.960	896	941
Blooming Prairie	218.207	12.324	101	1,463	0.9420	55.3900	1.960	1,571	1,650
Ellandale	29.296	4.233	101	457	0.9430	14.2600	1.960	485	509
Rochester 1D 1B	2104.081	539.618	101	56,605	0.9590	1716.3100	1.960	59,969	62,968
Totals	3436.665	758.062	101	80,001				85,001	89,251

Start with Point estimate
Add the standard error and 2 deviations
97.5% confidence the design day will be at or below column I

Projected Design Day Assuming 1.5% Annual Growth — Revised with Rochester Weather from 1.6% to 1.5%

Winter Period	1.5% Byron	1.5% Claremont	1.5% Dodge Center	1.5% Kasson	1.5% Kenyon	1.5% Pine Island	1.5% Wanamingo	1.5% West Concord	1.5% Zumbrota	1.5% Steele	1.5% Cannon Falls	1.5% Dover	1.5% Eyota	1.5% Viola	1.5% Stewartville	1.5% Hayfield	1.5% Blooming Prairie	1.5% Ellandale	1.5% Rochester 1D 1B	1.5% Total	Current Firm Capacity	Projected Capacity Needed
2015/16	2,439	305	2,157	3,479	1,086	1,583	703	547	1,653	144	3,137	335	873	103	3,534	896	1,571	485	59,969	85,001	74,129	10,872
2016/17	2,475	310	2,190	3,532	1,102	1,607	713	556	1,678	146	3,184	340	886	105	3,587	909	1,595	492	60,869	86,276	74,129	12,147
2017/18	2,513	314	2,222	3,585	1,119	1,631	724	564	1,703	149	3,232	345	900	106	3,641	923	1,619	499	61,782	87,570	74,129	13,441
2018/19	2,550	319	2,256	3,638	1,136	1,655	735	572	1,729	151	3,280	350	913	108	3,695	937	1,643	507	62,709	88,884	74,129	14,755
2019/20	2,589	324	2,290	3,693	1,153	1,680	746	581	1,755	153	3,330	355	927	110	3,751	951	1,668	515	63,649	90,217	74,129	16,088
2020/21	2,627	329	2,324	3,748	1,170	1,706	757	590	1,781	155	3,380	361	941	111	3,807	965	1,693	522	64,604	91,570	74,129	17,441
2021/22	2,667	334	2,359	3,805	1,187	1,731	768	599	1,808	158	3,430	366	955	113	3,864	980	1,718	530	65,573	92,944	74,129	18,815
2022/23	2,707	339	2,394	3,862	1,205	1,757	780	608	1,835	160	3,482	372	969	115	3,922	994	1,744	538	66,557	94,338	74,129	20,209
2023/24	2,747	344	2,430	3,919	1,223	1,783	792	617	1,862	162	3,534	377	984	116	3,981	1,009	1,770	546	67,555	95,753	74,129	21,624
2024/25	2,789	349	2,467	3,978	1,242	1,810	803	626	1,890	165	3,587	383	999	118	4,040	1,024	1,797	554	68,568	97,189	74,129	23,060
2025/26	2,830	354	2,504	4,038	1,260	1,837	816	635	1,918	167	3,641	389	1,014	120	4,101	1,040	1,824	563	69,597	98,647	74,129	24,518
2026/27	2,873	359	2,541	4,099	1,279	1,865	828	645	1,947	170	3,695	394	1,029	122	4,163	1,055	1,851	571	70,641	100,127	74,129	25,998
2027/28	2,916	365	2,579	4,160	1,298	1,893	840	654	1,976	172	3,751	400	1,044	123	4,225	1,071	1,879	580	71,701	101,629	74,129	27,500
2028/29	2,960	370	2,618	4,222	1,318	1,921	853	664	2,006	175	3,807	406	1,060	125	4,288	1,087	1,907	588	72,776	103,153	74,129	29,024
2029/30	3,004	376	2,657	4,286	1,338	1,950	866	674	2,036	178	3,864	412	1,076	127	4,353	1,104	1,936	597	73,868	104,701	74,129	30,572
2030/31	3,049	382	2,697	4,350	1,358	1,979	879	684	2,067	180	3,922	419	1,092	129	4,418	1,120	1,965	606	74,976	106,271	74,129	32,142
2031/32	3,095	387	2,737	4,415	1,378	2,009	892	695	2,098	183	3,981	425	1,108	131	4,484	1,137	1,994	615	76,100	107,865	74,129	33,736
2032/33	3,141	393	2,779	4,482	1,399	2,039	905	705	2,129	186	4,041	431	1,125	133	4,552	1,154	2,024	624	77,242	109,483	74,129	35,354
2033/34	3,188	399	2,820	4,549	1,420	2,070	919	716	2,161	188	4,101	438	1,142	135	4,620	1,171	2,054	634	78,400	111,125	74,129	36,996
2034/35	3,236	405	2,863	4,617	1,441	2,101	932	726	2,194	191	4,163	444	1,159	137	4,689	1,189	2,085	643	79,576	112,792	74,129	38,663
2035/36	3,285	411	2,905	4,686	1,463	2,132	946	737	2,226	194	4,225	451	1,176	139	4,759	1,207	2,117	653	80,770	114,484	74,129	40,355
2036/37	3,334	417	2,949	4,757	1,485	2,164	961	748	2,260	197	4,289	458	1,194	141	4,831	1,225	2,148	663	81,982	116,201	74,129	42,072
2037/38	3,384	423	2,993	4,828	1,507	2,197	975	760	2,294	200	4,353	465	1,212	143	4,903	1,243	2,181	673	83,211	117,944	74,129	43,815
2038/39	3,435	430	3,038	4,900	1,529	2,230	990	771	2,328	203	4,418	472	1,230	145	4,977	1,262	2,213	683	84,460	119,714	74,129	45,585
2039/40	3,486	436	3,084	4,974	1,552	2,263	1,005	783	2,363	206	4,484	479	1,249	148	5,052	1,281	2,246	693	85,726	121,509	74,129	47,380
2040/41	3,539	443	3,130	5,048	1,576	2,297	1,020	794	2,399	209	4,552	486	1,267	150	5,127	1,300	2,280	703	87,012	123,332	74,129	49,203
2041/42	3,592	449	3,177	5,124	1,599	2,332	1,035	806	2,435	212	4,620	493	1,286	152	5,204	1,319	2,314	714	88,318	125,182	74,129	51,053
2042/43	3,646	456	3,225	5,201	1,623	2,367	1,050	818	2,471	215	4,689	501	1,306	154	5,282	1,339	2,349	725	89,642	127,060	74,129	52,931
2043/44	3,700	463	3,273	5,279	1,648	2,402	1,066	831	2,508	219	4,760	508	1,325	157	5,361	1,359	2,384	736	90,987	128,965	74,129	54,836

NNG Capacity	937	316	1,352	2,026	1,079	928	533	511	1,669	0.00	2,479	275	880	56	3,371	878	1,250	420	55,169	74,129		

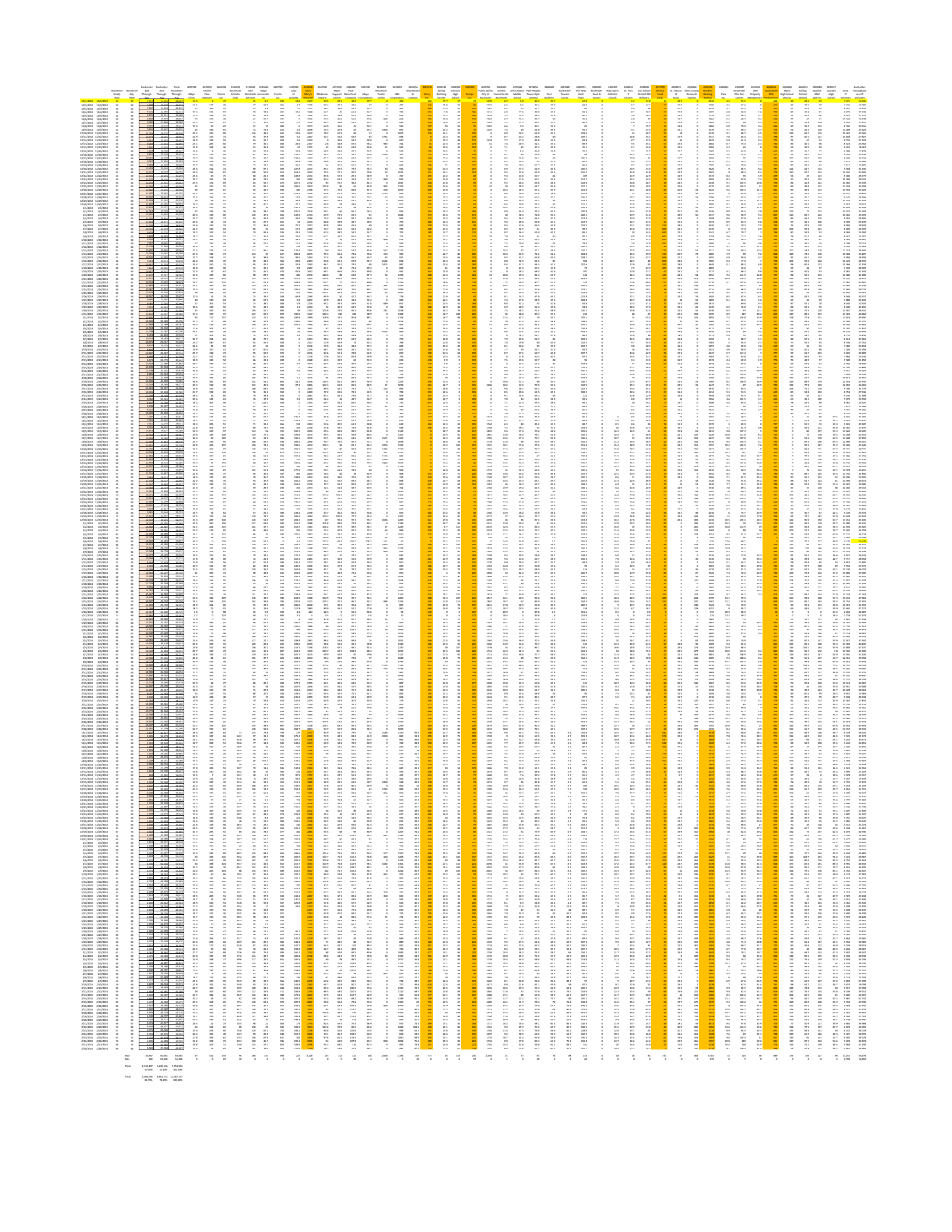
Projected Firm Capacity Requirements Assuming 1.6% growth

Winter Period	Byron	Claremont	Center	Kasson	Kenyon	Island	Wanamingo	Concord	Zumbrota	Steele	Cannon Falls	Dover	Eyota	Viola	Stewartville	Hayfield	Blooming Prairie	Ellandale	Rochester 1D 1B	Total
2017/18	2,513	314	2,222	3,585	1,119	1,631	724	564	1,703	149	3,232	345	900	106	3,641	923	1,619	499	61,782	87,570
2024/25	2,789	349	2,467	3,978	1,242	1,810	803	626	1,890	165	3,587	383	999	118	4,040	1,024	1,797	554	68,568	97,189
2033/34	3,188	399	2,820	4,549	1,420	2,070	919	716	2,161	188	4,101	438	1,142	135	4,620	1,171	2,054	634	78,400	111,125
2042/43	3,646	456	3,225	5,201	1,623	2,367	1,050	818	2,471	215	4,689	501	1,306	154	5,282	1,339	2,349	725	89,642	127,060

Projected Incremental Capacity Assuming 1.6% growth

Winter Period	Byron	Claremont	Center	Kasson	Kenyon	Island	Wanamingo	Concord	Zumbrota	Steele	Cannon Falls	Dover	Eyota	Viola	Stewartville	Hayfield	Blooming Prairie	Ellandale	Rochester 1D 1B	Total
2017/18	1,576	(2)	870	1,559	40	703	191	53	34	149	753	70	20	50	270	45	369	79	6,613	13,441
2023/24	276	35	244	394	123	179	80	62	187	16	355	38	99	12	400	101	178	55	6,786	9,619

2032/33	400	50	354	570	178	260	115	90	271	24	514	55	143	17	579	147	258	79	9,832	13,936
2041/42	457	57	404	652	204	297	132	103	310	27	588	63	164	19	662	168	295	91	11,242	15,934



		Rochester Unadj. HDD	Rochester Adj. HDD	Byron Through-Put	4004969 Byron Element. School	4008121 Byron Comm. Ed.	4282564 Byron Middle School	Byron Total IT Volumes	Byron Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	583	6.3	16.7	22	45	538
12/2/2012	12/2/2012	22	25	605	8.1	17.5	29	55	550
12/3/2012	12/3/2012	18	21	583	8.1	15.9	31	55	528
12/4/2012	12/4/2012	36	40	937	12.5	21.8	44	78	859
12/5/2012	12/5/2012	32	38	910	10.4	22.1	41	74	837
12/6/2012	12/6/2012	30	33	761	9.9	20.7	39	70	691
12/7/2012	12/7/2012	35	38	901	8.2	24.4	39	72	829
12/8/2012	12/8/2012	32	35	828	9.4	36.4	27	73	755
12/9/2012	12/9/2012	41	47	967	14.5	34	39	88	880
12/10/2012	12/10/2012	54	59	1,345	17.7	26.5	57	101	1,244
12/11/2012	12/11/2012	44	48	1,164	16.4	22.5	51	90	1,074
12/12/2012	12/12/2012	30	36	913	11.2	20.8	44	76	837
12/13/2012	12/13/2012	36	38	974	12.9	22.3	45	80	894
12/14/2012	12/14/2012	32	36	783	5.9	20.7	35	62	721
12/15/2012	12/15/2012	29	32	716	8.6	19.8	24	52	664
12/16/2012	12/16/2012	40	44	1,067	16.1	21.5	40	78	989
12/17/2012	12/17/2012	41	43	1,098	14.8	23.8	53	92	1,006
12/18/2012	12/18/2012	36	39	987	13	22.8	47	83	904
12/19/2012	12/19/2012	36	40	968	13.3	23.2	46	83	886
12/20/2012	12/20/2012	49	61	1,339	17.8	26.3	47	91	1,248
12/21/2012	12/21/2012	53	58	1,324	16.6	25.1	48	90	1,234
12/22/2012	12/22/2012	44	48	1,146	15.5	22.2	38	76	1,070
12/23/2012	12/23/2012	48	51	1,159	19.8	20.2	40	80	1,079
12/24/2012	12/24/2012	55	61	1,346	22.4	21.3	44	88	1,258
12/25/2012	12/25/2012	57	62	1,420	22.3	28	48	98	1,322
12/26/2012	12/26/2012	53	55	1,438	24.1	39.3	49	112	1,326
12/27/2012	12/27/2012	49	52	1,286	21.6	37.2	42	101	1,185
12/28/2012	12/28/2012	45	49	1,177	14.5	33.6	39	87	1,090
12/29/2012	12/29/2012	57	63	1,368	17	29.4	45	91	1,277
12/30/2012	12/30/2012	51	58	1,227	20.2	29.3	51	101	1,127
1/1/2013	1/1/2013	61	66	1,445	22.3	25.6	55	103	1,342
1/2/2013	1/2/2013	48	53	1,303	17.8	29.5	61	108	1,195
1/3/2013	1/3/2013	51	59	1,427	17.9	28.6	59	106	1,322
1/4/2013	1/4/2013	47	51	1,188	14.5	25.4	48	88	1,100
1/5/2013	1/5/2013	47	54	1,207	15.3	22.3	39	77	1,130
1/6/2013	1/6/2013	48	55	1,239	17.2	23.8	48	89	1,150
1/7/2013	1/7/2013	42	46	1,102	15.3	25.1	52	92	1,010
1/8/2013	1/8/2013	39	45	1,036	15	23.4	48	86	950
1/9/2013	1/9/2013	38	43	952	13.3	22.9	46	82	870
1/10/2013	1/10/2013	32	36	885	11.1	21.7	43	76	809
1/11/2013	1/11/2013	34	39	869	7	20.5	36	64	806
1/12/2013	1/12/2013	54	62	1,418	16.6	22.1	38	77	1,341
1/13/2013	1/13/2013	57	63	1,595	25.1	25.5	57	108	1,487
1/14/2013	1/14/2013	50	55	1,464	21.6	30.8	64	116	1,348
1/15/2013	1/15/2013	41	48	1,224	18.2	27.3	51	97	1,128
1/16/2013	1/16/2013	42	47	1,210	16.1	26.1	50	92	1,118
1/17/2013	1/17/2013	45	50	1,306	18.2	27.2	55	100	1,206
1/18/2013	1/18/2013	28	32	868	7.2	21.6	40	69	799
1/19/2013	1/19/2013	44	53	1,326	16.3	21.5	36	74	1,252
1/20/2013	1/20/2013	63	73	1,735	27.4	26.2	58	112	1,623
1/21/2013	1/21/2013	69	78	1,947	9	12.3	37	58	1,889
1/22/2013	1/22/2013	62	67	1,572	0	0	0	0	1,572
1/23/2013	1/23/2013	58	67	1,628	0	9.8	14	24	1,604
1/24/2013	1/24/2013	58	66	1,614	18	26.6	44	89	1,525
1/25/2013	1/25/2013	53	60	1,561	18.8	28.8	45	93	1,468
1/26/2013	1/26/2013	47	54	1,274	16.7	24.9	43	85	1,189

1/27/2013	1/27/2013	34	37	1,006	15.7	24.3	42	82	924
1/28/2013	1/28/2013	31	34	958	17.4	27.1	43	88	871
1/29/2013	1/29/2013	37	44	1,081	16.9	27.1	43	87	994
1/30/2013	1/30/2013	53	65	1,524	8.6	16.1	30	55	1,469
1/31/2013	1/31/2013	69	82	1,915	5.7	16.7	27	49	1,866
2/1/2013	2/1/2013	64	70	1,581	6.7	28.7	48	83	1,498
2/2/2013	2/2/2013	54	59	1,388	0	27.2	45	72	1,316
2/3/2013	2/3/2013	54	59	1,353	9.4	28.2	53	91	1,262
2/4/2013	2/4/2013	50	56	1,315	29.5	30.3	57	117	1,198
2/5/2013	2/5/2013	47	52	1,260	18.8	29.7	52	101	1,160
2/6/2013	2/6/2013	39	43	1,049	15.5	27.7	48	91	958
2/7/2013	2/7/2013	39	44	1,129	15.3	28.2	46	90	1,040
2/8/2013	2/8/2013	41	46	1,097	10.4	25.7	42	78	1,019
2/9/2013	2/9/2013	36	42	1,051	11.9	23.5	32	67	984
2/10/2013	2/10/2013	33	39	993	16.5	23.3	39	79	914
2/11/2013	2/11/2013	43	51	1,258	18.2	28.6	51	98	1,160
2/12/2013	2/12/2013	38	42	1,006	14.3	27.2	45	87	920
2/13/2013	2/13/2013	34	38	934	11.9	24.2	42	78	856
2/14/2013	2/14/2013	45	51	1,179	15.5	23.2	44	83	1,096
2/15/2013	2/15/2013	55	61	1,431	14.9	23.4	47	85	1,346
2/16/2013	2/16/2013	51	54	1,263	17	21.4	37	75	1,188
2/17/2013	2/17/2013	41	49	1,080	16.8	22.5	41	80	1,000
2/18/2013	2/18/2013	46	57	1,450	7.9	8.7	15	32	1,418
2/19/2013	2/19/2013	65	76	1,753	5.8	13.3	26	45	1,708
2/20/2013	2/20/2013	56	59	1,463	15.6	32	47	95	1,368
2/21/2013	2/21/2013	49	55	1,340	19.2	33.1	51	103	1,237
2/22/2013	2/22/2013	43	47	1,080	13.5	27.2	36	77	1,003
2/23/2013	2/23/2013	52	56	1,206	14.7	23.9	34	73	1,133
2/24/2013	2/24/2013	47	49	927	15.8	23.1	38	77	850
2/25/2013	2/25/2013	35	37	970	12.4	26.5	44	83	887
2/26/2013	2/26/2013	35	41	962	12.4	22.8	42	77	885
2/27/2013	2/27/2013	34	40	1,009	13.4	24.9	43	81	928
2/28/2013	2/28/2013	40	44	1,097	14.1	24.6	45	84	1,013
12/1/2013	12/1/2013	35	37	912	12.4	21.5	35	69	843
12/2/2013	12/2/2013	30	34	1,036	10.4	20.2	42	73	963
12/3/2013	12/3/2013	31	34	905	9.4	20.5	38	68	837
12/4/2013	12/4/2013	43	51	1,194	15.3	25.4	43	84	1,110
12/5/2013	12/5/2013	60	70	1,672	19.9	33.9	57	111	1,561
12/6/2013	12/6/2013	64	72	1,782	19.8	31.7	57	109	1,674
12/7/2013	12/7/2013	63	67	1,606	22.1	28.8	46	97	1,509
12/8/2013	12/8/2013	59	64	1,510	22.1	30.4	50	103	1,408
12/9/2013	12/9/2013	60	71	1,815	23.8	37.5	66	127	1,688
12/10/2013	12/10/2013	61	70	1,663	21.3	31.4	58	111	1,552
12/11/2013	12/11/2013	64	72	1,805	21.7	34.3	62	118	1,687
12/12/2013	12/12/2013	49	52	1,362	17.2	29.6	52	99	1,263
12/13/2013	12/13/2013	48	54	1,391	15	28.5	46	90	1,302
12/14/2013	12/14/2013	58	66	1,565	18.4	25.9	43	87	1,478
12/15/2013	12/15/2013	61	66	1,630	22.9	27.7	51	102	1,528
12/16/2013	12/16/2013	46	53	1,425	18.2	30.5	58	107	1,318
12/17/2013	12/17/2013	47	55	1,360	15.7	25.5	52	93	1,267
12/18/2013	12/18/2013	36	41	1,114	14.1	23.2	46	83	1,031
12/19/2013	12/19/2013	45	52	1,381	16.5	27.8	50	94	1,287
12/20/2013	12/20/2013	46	49	1,283	13	24.9	44	82	1,201
12/21/2013	12/21/2013	45	51	1,222	16.1	21.8	34	72	1,150
12/22/2013	12/22/2013	59	68	1,574	20.3	26.7	50	97	1,477
12/23/2013	12/23/2013	73	81	1,926	24.5	30.1	66	121	1,805
12/24/2013	12/24/2013	61	70	1,645	22.9	23.8	46	93	1,552
12/25/2013	12/25/2013	46	52	1,300	17.8	22.1	47	87	1,213
12/26/2013	12/26/2013	43	46	1,135	14.9	19.8	47	82	1,053
12/27/2013	12/27/2013	35	40	1,008	10.7	25.2	31	67	941

12/28/2013	12/28/2013	42	50	1,178	12.4	22.9	30	65	1,113
12/29/2013	12/29/2013	70	78	1,955	22.9	32.3	58	113	1,842
12/30/2013	12/30/2013	70	75	1,884	23.3	36.1	63	122	1,762
1/1/2014	1/1/2014	68	75	1,825	25.3	32.7	56	114	1,711
1/2/2014	1/2/2014	72	78	1,902	24.5	35.9	71	131	1,771
1/3/2014	1/3/2014	47	58	1,606	17.4	33.5	55	106	1,500
1/4/2014	1/4/2014	60	70	1,643	19.9	31.7	48	100	1,543
1/5/2014	1/5/2014	79	95	2,306	34	35.3	75	144	2,162
1/6/2014	1/6/2014	81	94	2,409	35.7	41	82	159	2,250
1/7/2014	1/7/2014	68	73	1,937	27.3	40.1	76	143	1,794
1/8/2014	1/8/2014	71	77	1,944	23.5	38.5	64	126	1,818
1/9/2014	1/9/2014	52	61	1,549	19.3	34.9	55	109	1,440
1/10/2014	1/10/2014	38	41	1,125	9.6	29.2	41	80	1,045
1/11/2014	1/11/2014	39	45	1,183	13.4	27.4	34	75	1,108
1/12/2014	1/12/2014	31	35	937	14.3	28	34	76	861
1/13/2014	1/13/2014	36	42	1,011	12	21	44	77	934
1/14/2014	1/14/2014	55	67	1,553	16.7	24.6	52	93	1,460
1/15/2014	1/15/2014	49	58	1,439	17.8	27	52	97	1,342
1/16/2014	1/16/2014	48	60	1,648	21.9	30.7	59	112	1,536
1/17/2014	1/17/2014	58	66	1,574	17	28.4	52	97	1,477
1/18/2014	1/18/2014	49	56	1,313	16.4	24.3	36	77	1,236
1/19/2014	1/19/2014	35	41	984	16	23.7	36	76	908
1/20/2014	1/20/2014	59	68	1,678	21.6	28.3	55	105	1,573
1/21/2014	1/21/2014	68	75	1,825	24.6	33.3	60	118	1,707
1/22/2014	1/22/2014	71	84	2,084	25.3	34.3	67	127	1,957
1/23/2014	1/23/2014	66	78	2,055	26.2	34.6	61	122	1,933
1/24/2014	1/24/2014	46	57	1,354	14	26.6	45	86	1,268
1/25/2014	1/25/2014	55	64	1,554	19.7	26.7	43	89	1,465
1/26/2014	1/26/2014	63	81	1,798	0.9	0.3	15	16	1,782
1/27/2014	1/27/2014	77	89	2,042	0	0.1	3	3	2,039
1/28/2014	1/28/2014	72	82	1,944	19.9	32.1	50	102	1,842
1/29/2014	1/29/2014	50	60	1,407	17.8	34.9	53	106	1,301
1/30/2014	1/30/2014	55	64	1,601	20	34.6	57	112	1,489
1/31/2014	1/31/2014	66	71	1,673	18.4	27.4	53	99	1,574
2/1/2014	2/1/2014	59	67	1,592	19.9	22.5	41	83	1,509
2/2/2014	2/2/2014	64	70	1,617	23.1	27.2	52	102	1,515
2/3/2014	2/3/2014	56	60	1,556	20.2	36.3	56	113	1,444
2/4/2014	2/4/2014	59	68	1,694	20.8	35	58	114	1,580
2/5/2014	2/5/2014	70	80	1,970	23.8	34.4	63	121	1,849
2/6/2014	2/6/2014	69	79	1,915	24.1	33.7	62	120	1,795
2/7/2014	2/7/2014	63	70	1,728	18.8	29.7	54	103	1,626
2/8/2014	2/8/2014	61	65	1,539	19.6	27.2	40	87	1,452
2/9/2014	2/9/2014	70	79	1,825	25.6	33	56	115	1,710
2/10/2014	2/10/2014	73	79	1,884	24.1	38.5	63	126	1,758
2/11/2014	2/11/2014	63	73	1,686	21.8	33.9	58	114	1,572
2/12/2014	2/12/2014	49	54	1,351	17.2	24.9	51	93	1,258
2/13/2014	2/13/2014	49	58	1,594	20	30.5	52	103	1,492
2/14/2014	2/14/2014	61	69	1,591	16.8	28.6	52	97	1,494
2/15/2014	2/15/2014	53	60	1,467	18.3	26.6	36	81	1,386
2/16/2014	2/16/2014	51	60	1,283	19.3	25.6	38	83	1,200
2/17/2014	2/17/2014	42	47	1,239	14.5	27.6	40	82	1,157
2/18/2014	2/18/2014	36	40	959	14.4	25.2	45	85	874
2/19/2014	2/19/2014	35	39	867	11.7	20.5	39	71	796
2/20/2014	2/20/2014	43	53	1,202	15.9	23.1	48	87	1,115
2/21/2014	2/21/2014	54	65	1,422	18.9	23.3	20	62	1,360
2/22/2014	2/22/2014	59	68	1,397	17.2	20	0	37	1,360
2/23/2014	2/23/2014	61	71	1,527	22.8	23.3	0	46	1,481
2/24/2014	2/24/2014	64	72	1,619	20.6	32.5	0	53	1,566
2/25/2014	2/25/2014	70	81	1,877	23.8	28	0	52	1,825
2/26/2014	2/26/2014	64	79	1,895	25.1	27.6	0	53	1,842

2/27/2014	2/27/2014	73	80	1,931	23.5	35.6	0	59	1,872
2/28/2014	2/28/2014	58	66	1,630	17	28.8	0	46	1,584
12/1/2014	12/1/2014	57	64	1,628	21.9	35.3	6	63	1,565
12/2/2014	12/2/2014	45	51	1,382	17.7	31.9	4	54	1,328
12/3/2014	12/3/2014	47	52	1,320	16.6	29.6	3	49	1,271
12/4/2014	12/4/2014	39	44	1,078	12.3	26.5	2	41	1,037
12/5/2014	12/5/2014	40	43	1,022	9.6	23.6	3	36	986
12/6/2014	12/6/2014	37	41	1,003	10.5	19.8	1	31	972
12/7/2014	12/7/2014	34	40	983	12.9	21.3	1	35	948
12/8/2014	12/8/2014	38	44	1,179	14.9	27.5	3	45	1,134
12/9/2014	12/9/2014	42	45	1,113	13.9	26.5	2	42	1,071
12/10/2014	12/10/2014	39	42	1,129	12.3	25.7	2	40	1,089
12/11/2014	12/11/2014	37	40	1,074	11.1	24.7	1	37	1,037
12/12/2014	12/12/2014	29	32	1,042	7.4	21.2	1	30	1,012
12/13/2014	12/13/2014	23	26	642	6.3	16.7	0	23	619
12/14/2014	12/14/2014	19	21	566	7.6	16.8	0	24	542
12/15/2014	12/15/2014	30	34	789	9.7	20.6	0	30	759
12/16/2014	12/16/2014	47	55	1,361	15.1	26.8	0	42	1,319
12/17/2014	12/17/2014	50	53	1,367	17	28.4	0	45	1,322
12/18/2014	12/18/2014	45	46	1,285	14.8	27.2	0	42	1,243
12/19/2014	12/19/2014	39	43	1,094	9.6	23.7	2	35	1,059
12/20/2014	12/20/2014	34	38	977	10.1	19.5	1	31	946
12/21/2014	12/21/2014	30	36	944	12.3	20.5	2	35	909
12/22/2014	12/22/2014	31	35	946	11.6	24.5	2	38	908
12/23/2014	12/23/2014	32	37	937	10.4	22.3	2	35	902
12/24/2014	12/24/2014	35	40	895	10.8	17.6	2	30	865
12/25/2014	12/25/2014	36	39	844	12.7	17.4	2	32	812
12/26/2014	12/26/2014	36	41	966	12.6	19.7	2	34	932
12/27/2014	12/27/2014	50	56	1,315	13.7	23.6	0	37	1,278
12/28/2014	12/28/2014	53	57	1,325	19.4	26.2	0	46	1,279
12/29/2014	12/29/2014	67	74	1,785	25.2	36.3	0	62	1,724
12/30/2014	12/30/2014	71	79	1,929	21.8	32	0	54	1,875
12/31/2014	12/31/2014	61	73	1,702	26.3	23.6	0	50	1,652
1/1/2015	1/1/2015	48	53	1,274	12	21.7	0	34	1,240
1/2/2015	1/2/2015	49	53	1,225	0	22.3	0	22	1,203
1/3/2015	1/3/2015	50	58	1,278	28.7	24.1	0	53	1,225
1/4/2015	1/4/2015	72	84	1,989	26.5	30.1	0	57	1,932
1/5/2015	1/5/2015	70	76	1,977	24.9	39.9	7	72	1,905
1/6/2015	1/6/2015	68	81	1,954	24.9	37.4	9	71	1,883
1/7/2015	1/7/2015	70	82	2,093	25.2	38.8	16	80	2,013
1/8/2015	1/8/2015	60	76	1,955	25.5	37.8	0	63	1,892
1/9/2015	1/9/2015	68	78	1,904	21	33.5	0	55	1,850
1/10/2015	1/10/2015	54	60	1,578	18.8	25.9	0	45	1,533
1/11/2015	1/11/2015	57	63	1,518	21.2	28.4	0	50	1,468
1/12/2015	1/12/2015	71	76	1,905	22.2	37.1	0	59	1,846
1/13/2015	1/13/2015	62	69	1,610	19.4	33.7	0	53	1,557
1/14/2015	1/14/2015	44	49	1,316	16.3	29.6	50	96	1,220
1/15/2015	1/15/2015	42	46	1,113	12.9	26.3	47	86	1,027
1/16/2015	1/16/2015	37	42	1,060	9.2	23.5	43	76	984
1/17/2015	1/17/2015	34	40	972	10.4	18.7	32	61	911
1/18/2015	1/18/2015	39	42	945	14.8	21	37	73	872
1/19/2015	1/19/2015	35	38	991	13.1	25.1	41	79	912
1/20/2015	1/20/2015	36	39	1,034	11.2	24.2	44	79	955
1/21/2015	1/21/2015	40	44	1,127	12.7	24.2	45	82	1,045
1/22/2015	1/22/2015	41	48	1,224	12.8	24.5	47	84	1,140
1/23/2015	1/23/2015	37	42	997	9.4	22.9	41	73	924
1/24/2015	1/24/2015	34	37	797	8.9	17.9	31	58	739
1/25/2015	1/25/2015	40	44	1,081	14.8	21.8	41	78	1,003
1/26/2015	1/26/2015	32	36	892	12.7	23.4	46	82	810
1/27/2015	1/27/2015	38	43	1,045	11.7	21.3	43	76	969

1/28/2015	1/28/2015	36	42	1,117	12.3	25.3	45	83	1,034
1/29/2015	1/29/2015	46	54	1,352	15.6	26.3	47	89	1,263
1/30/2015	1/30/2015	49	54	1,224	12.1	25.2	44	81	1,143
1/31/2015	1/31/2015	42	48	1,199	13.8	21.4	36	71	1,128
2/1/2015	2/1/2015	62	72	1,660	23.1	27.2	54	104	1,556
2/2/2015	2/2/2015	62	68	1,661	22.2	27.6	62	112	1,549
2/3/2015	2/3/2015	56	59	1,504	18.4	30.8	56	105	1,399
2/4/2015	2/4/2015	68	76	1,757	20.3	34.7	61	116	1,641
2/5/2015	2/5/2015	61	70	1,676	20.7	33.4	60	114	1,562
2/6/2015	2/6/2015	44	48	1,182	13.7	25.9	44	84	1,098
2/7/2015	2/7/2015	35	38	911	11.1	18.9	32	62	849
2/8/2015	2/8/2015	38	42	1,048	15.8	22.4	43	81	967
2/9/2015	2/9/2015	44	47	1,162	14.8	27.1	46	88	1,074
2/10/2015	2/10/2015	38	46	1,280	15.4	27.3	50	93	1,187
2/11/2015	2/11/2015	58	73	1,685	19.5	30.2	59	109	1,576
2/12/2015	2/12/2015	59	65	1,667	20.6	33	60	114	1,553
2/13/2015	2/13/2015	51	62	1,486	16.9	27.7	51	96	1,390
2/14/2015	2/14/2015	67	76	1,815	22.8	25.7	53	102	1,714
2/15/2015	2/15/2015	62	69	1,709	23.7	28	52	104	1,605
2/16/2015	2/16/2015	55	62	1,610	22.1	35	57	114	1,496
2/17/2015	2/17/2015	66	77	1,844	23.2	35.7	67	126	1,718
2/18/2015	2/18/2015	73	84	2,071	23.9	37.6	71	133	1,939
2/19/2015	2/19/2015	66	73	1,751	23.4	35.2	64	123	1,628
2/20/2015	2/20/2015	48	53	1,385	16.1	28.1	49	93	1,292
2/21/2015	2/21/2015	58	67	1,560	18.3	23.4	42	84	1,476
2/22/2015	2/22/2015	73	82	1,958	25.5	29.3	66	121	1,837
2/23/2015	2/23/2015	57	69	1,661	22.6	33.7	60	116	1,545
2/24/2015	2/24/2015	45	53	1,346	18.4	31	53	102	1,244
2/25/2015	2/25/2015	63	70	1,675	19.9	33.2	60	113	1,562
2/26/2015	2/26/2015	70	78	1,794	21.4	34.7	63	119	1,675
2/27/2015	2/27/2015	69	75	1,705	18.9	30.4	55	104	1,601
2/28/2015	2/28/2015	58	66	1,527	18.6	23.8	45	87	1,440
			Max	2409	36	41	82	159	2250
			Min	566	0	0	0	0	528

		Rochester Unadj. HDD	Rochester Adj. HDD	Claremont Through-Put	4301159 Green-way Coop		Claremont Total IT Volumes	Claremont Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	67	0		0	67
12/2/2012	12/2/2012	22	25	58	0		0	58
12/3/2012	12/3/2012	18	21	57	0		0	57
12/4/2012	12/4/2012	36	40	97	0		0	97
12/5/2012	12/5/2012	32	38	96	0		0	96
12/6/2012	12/6/2012	30	33	82	0		0	82
12/7/2012	12/7/2012	35	38	99	0		0	99
12/8/2012	12/8/2012	32	35	91	0		0	91
12/9/2012	12/9/2012	41	47	103	0		0	103
12/10/2012	12/10/2012	54	59	143	0		0	143
12/11/2012	12/11/2012	44	48	123	0		0	123
12/12/2012	12/12/2012	30	36	101	0		0	101
12/13/2012	12/13/2012	36	38	105	0		0	105
12/14/2012	12/14/2012	32	36	86	0		0	86
12/15/2012	12/15/2012	29	32	82	0		0	82
12/16/2012	12/16/2012	40	44	114	0		0	114
12/17/2012	12/17/2012	41	43	111	0		0	111
12/18/2012	12/18/2012	36	39	103	0		0	103
12/19/2012	12/19/2012	36	40	105	0		0	105
12/20/2012	12/20/2012	49	61	150	0		0	150
12/21/2012	12/21/2012	53	58	145	0		0	145
12/22/2012	12/22/2012	44	48	132	0		0	132
12/23/2012	12/23/2012	48	51	132	0		0	132
12/24/2012	12/24/2012	55	61	153	0		0	153
12/25/2012	12/25/2012	57	62	161	0		0	161
12/26/2012	12/26/2012	53	55	149	0		0	149
12/27/2012	12/27/2012	49	52	134	0		0	134
12/28/2012	12/28/2012	45	49	129	0		0	129
12/29/2012	12/29/2012	57	63	152	0		0	152
12/30/2012	12/30/2012	51	58	144	0		0	144
1/1/2013	1/1/2013	61	66	158	0		0	158
1/2/2013	1/2/2013	48	53	139	0		0	139
1/3/2013	1/3/2013	51	59	148	0		0	148
1/4/2013	1/4/2013	47	51	133	0		0	133
1/5/2013	1/5/2013	47	54	138	0		0	138
1/6/2013	1/6/2013	48	55	136	0		0	136
1/7/2013	1/7/2013	42	46	117	0		0	117
1/8/2013	1/8/2013	39	45	113	0		0	113
1/9/2013	1/9/2013	38	43	104	0		0	104
1/10/2013	1/10/2013	32	36	97	0		0	97
1/11/2013	1/11/2013	34	39	98	0		0	98
1/12/2013	1/12/2013	54	62	156	0		0	156
1/13/2013	1/13/2013	57	63	169	0		0	169
1/14/2013	1/14/2013	50	55	153	0		0	153
1/15/2013	1/15/2013	41	48	131	0		0	131

1/16/2013	1/16/2013	42	47	128	0	0	128
1/17/2013	1/17/2013	45	50	137	0	0	137
1/18/2013	1/18/2013	28	32	95	0	0	95
1/19/2013	1/19/2013	44	53	147	0	0	147
1/20/2013	1/20/2013	63	73	185	0	0	185
1/21/2013	1/21/2013	69	78	209	0	0	209
1/22/2013	1/22/2013	62	67	176	0	0	176
1/23/2013	1/23/2013	58	67	179	0	0	179
1/24/2013	1/24/2013	58	66	172	1	1	171
1/25/2013	1/25/2013	53	60	165	0	0	165
1/26/2013	1/26/2013	47	54	145	0	0	145
1/27/2013	1/27/2013	34	37	107	0	0	107
1/28/2013	1/28/2013	31	34	97	0	0	97
1/29/2013	1/29/2013	37	44	116	0	0	116
1/30/2013	1/30/2013	53	65	168	0	0	168
1/31/2013	1/31/2013	69	82	210	0	0	210
2/1/2013	2/1/2013	64	70	176	0	0	176
2/2/2013	2/2/2013	54	59	156	0	0	156
2/3/2013	2/3/2013	54	59	151	0	0	151
2/4/2013	2/4/2013	50	56	144	0	0	144
2/5/2013	2/5/2013	47	52	137	0	0	137
2/6/2013	2/6/2013	39	43	115	0	0	115
2/7/2013	2/7/2013	39	44	121	0	0	121
2/8/2013	2/8/2013	41	46	124	0	0	124
2/9/2013	2/9/2013	36	42	119	0	0	119
2/10/2013	2/10/2013	33	39	104	0	0	104
2/11/2013	2/11/2013	43	51	135	0	0	135
2/12/2013	2/12/2013	38	42	108	0	0	108
2/13/2013	2/13/2013	34	38	96	0	0	96
2/14/2013	2/14/2013	45	51	126	0	0	126
2/15/2013	2/15/2013	55	61	150	0	0	150
2/16/2013	2/16/2013	51	54	139	0	0	139
2/17/2013	2/17/2013	41	49	120	0	0	120
2/18/2013	2/18/2013	46	57	164	0	0	164
2/19/2013	2/19/2013	65	76	196	0	0	196
2/20/2013	2/20/2013	56	59	159	0	0	159
2/21/2013	2/21/2013	49	55	143	0	0	143
2/22/2013	2/22/2013	43	47	122	0	0	122
2/23/2013	2/23/2013	52	56	140	0	0	140
2/24/2013	2/24/2013	47	49	104	0	0	104
2/25/2013	2/25/2013	35	37	104	0	0	104
2/26/2013	2/26/2013	35	41	105	0	0	105
2/27/2013	2/27/2013	34	40	107	0	0	107
2/28/2013	2/28/2013	40	44	118	0	0	118
12/1/2013	12/1/2013	35	37	98	0	0	98
12/2/2013	12/2/2013	30	34	92	0	0	92
12/3/2013	12/3/2013	31	34	93	0	0	93
12/4/2013	12/4/2013	43	51	130	0	0	130
12/5/2013	12/5/2013	60	70	181	0	0	181

12/6/2013	12/6/2013	64	72	195	0	0	195
12/7/2013	12/7/2013	63	67	178	0	0	178
12/8/2013	12/8/2013	59	64	157	0	0	157
12/9/2013	12/9/2013	60	71	190	0	0	190
12/10/2013	12/10/2013	61	70	172	0	0	172
12/11/2013	12/11/2013	64	72	190	0	0	190
12/12/2013	12/12/2013	49	52	146	0	0	146
12/13/2013	12/13/2013	48	54	153	0	0	153
12/14/2013	12/14/2013	58	66	170	0	0	170
12/15/2013	12/15/2013	61	66	173	0	0	173
12/16/2013	12/16/2013	46	53	149	0	0	149
12/17/2013	12/17/2013	47	55	143	0	0	143
12/18/2013	12/18/2013	36	41	120	0	0	120
12/19/2013	12/19/2013	45	52	148	0	0	148
12/20/2013	12/20/2013	46	49	137	0	0	137
12/21/2013	12/21/2013	45	51	140	0	0	140
12/22/2013	12/22/2013	59	68	174	0	0	174
12/23/2013	12/23/2013	73	81	210	0	0	210
12/24/2013	12/24/2013	61	70	186	0	0	186
12/25/2013	12/25/2013	46	52	148	0	0	148
12/26/2013	12/26/2013	43	46	127	0	0	127
12/27/2013	12/27/2013	35	40	113	0	0	113
12/28/2013	12/28/2013	42	50	121	0	0	121
12/29/2013	12/29/2013	70	78	201	0	0	201
12/30/2013	12/30/2013	70	75	197	0	0	197
1/1/2014	1/1/2014	68	75	196	0	0	196
1/2/2014	1/2/2014	72	78	205	0	0	205
1/3/2014	1/3/2014	47	58	182	0	0	182
1/4/2014	1/4/2014	60	70	182	0	0	182
1/5/2014	1/5/2014	79	95	240	0	0	240
1/6/2014	1/6/2014	81	94	242	0	0	242
1/7/2014	1/7/2014	68	73	197	0	0	197
1/8/2014	1/8/2014	71	77	203	0	0	203
1/9/2014	1/9/2014	52	61	172	0	0	172
1/10/2014	1/10/2014	38	41	123	0	0	123
1/11/2014	1/11/2014	39	45	132	0	0	132
1/12/2014	1/12/2014	31	35	100	0	0	100
1/13/2014	1/13/2014	36	42	107	0	0	107
1/14/2014	1/14/2014	55	67	164	0	0	164
1/15/2014	1/15/2014	49	58	152	0	0	152
1/16/2014	1/16/2014	48	60	178	1	1	177
1/17/2014	1/17/2014	58	66	168	0	0	168
1/18/2014	1/18/2014	49	56	147	0	0	147
1/19/2014	1/19/2014	35	41	112	0	0	112
1/20/2014	1/20/2014	59	68	180	0	0	180
1/21/2014	1/21/2014	68	75	193	0	0	193
1/22/2014	1/22/2014	71	84	219	0	0	219
1/23/2014	1/23/2014	66	78	210	0	0	210
1/24/2014	1/24/2014	46	57	150	0	0	150

1/25/2014	1/25/2014	55	64	165	0	0	165
1/26/2014	1/26/2014	63	81	201	0	0	201
1/27/2014	1/27/2014	77	89	225	0	0	225
1/28/2014	1/28/2014	72	82	204	0	0	204
1/29/2014	1/29/2014	50	60	153	0	0	153
1/30/2014	1/30/2014	55	64	175	0	0	175
1/31/2014	1/31/2014	66	71	180	0	0	180
2/1/2014	2/1/2014	59	67	174	0	0	174
2/2/2014	2/2/2014	64	70	182	0	0	182
2/3/2014	2/3/2014	56	60	169	0	0	169
2/4/2014	2/4/2014	59	68	187	0	0	187
2/5/2014	2/5/2014	70	80	204	0	0	204
2/6/2014	2/6/2014	69	79	203	0	0	203
2/7/2014	2/7/2014	63	70	189	0	0	189
2/8/2014	2/8/2014	61	65	170	0	0	170
2/9/2014	2/9/2014	70	79	197	0	0	197
2/10/2014	2/10/2014	73	79	200	0	0	200
2/11/2014	2/11/2014	63	73	189	0	0	189
2/12/2014	2/12/2014	49	54	152	0	0	152
2/13/2014	2/13/2014	49	58	175	0	0	175
2/14/2014	2/14/2014	61	69	182	0	0	182
2/15/2014	2/15/2014	53	60	165	0	0	165
2/16/2014	2/16/2014	51	60	152	0	0	152
2/17/2014	2/17/2014	42	47	132	0	0	132
2/18/2014	2/18/2014	36	40	108	0	0	108
2/19/2014	2/19/2014	35	39	95	0	0	95
2/20/2014	2/20/2014	43	53	135	0	0	135
2/21/2014	2/21/2014	54	65	164	0	0	164
2/22/2014	2/22/2014	59	68	160	0	0	160
2/23/2014	2/23/2014	61	71	170	0	0	170
2/24/2014	2/24/2014	64	72	174	0	0	174
2/25/2014	2/25/2014	70	81	203	0	0	203
2/26/2014	2/26/2014	64	79	206	1	1	205
2/27/2014	2/27/2014	73	80	209	0	0	209
2/28/2014	2/28/2014	58	66	184	0	0	184
12/1/2014	12/1/2014	57	64	175	0	0	175
12/2/2014	12/2/2014	45	51	142	0	0	142
12/3/2014	12/3/2014	47	52	133	0	0	133
12/4/2014	12/4/2014	39	44	115	0	0	115
12/5/2014	12/5/2014	40	43	107	0	0	107
12/6/2014	12/6/2014	37	41	112	1	1	111
12/7/2014	12/7/2014	34	40	108	0	0	108
12/8/2014	12/8/2014	38	44	121	0	0	121
12/9/2014	12/9/2014	42	45	112	0	0	112
12/10/2014	12/10/2014	39	42	112	0	0	112
12/11/2014	12/11/2014	37	40	109	0	0	109
12/12/2014	12/12/2014	29	32	99	0	0	99
12/13/2014	12/13/2014	23	26	73	0	0	73
12/14/2014	12/14/2014	19	21	60	0	0	60

12/15/2014	12/15/2014	30	34	82	0	0	82
12/16/2014	12/16/2014	47	55	140	0	0	140
12/17/2014	12/17/2014	50	53	136	0	0	136
12/18/2014	12/18/2014	45	46	126	0	0	126
12/19/2014	12/19/2014	39	43	113	0	0	113
12/20/2014	12/20/2014	34	38	107	0	0	107
12/21/2014	12/21/2014	30	36	97	0	0	97
12/22/2014	12/22/2014	31	35	96	0	0	96
12/23/2014	12/23/2014	32	37	97	0	0	97
12/24/2014	12/24/2014	35	40	100	0	0	100
12/25/2014	12/25/2014	36	39	93	0	0	93
12/26/2014	12/26/2014	36	41	107	0	0	107
12/27/2014	12/27/2014	50	56	141	0	0	141
12/28/2014	12/28/2014	53	57	145	0	0	145
12/29/2014	12/29/2014	67	74	181	0	0	181
12/30/2014	12/30/2014	71	79	197	0	0	197
12/31/2014	12/31/2014	61	73	176	0	0	176
1/1/2015	1/1/2015	48	53	138	0	0	138
1/2/2015	1/2/2015	49	53	133	0	0	133
1/3/2015	1/3/2015	50	58	143	1	1	142
1/4/2015	1/4/2015	72	84	206	0	0	206
1/5/2015	1/5/2015	70	76	205	0	0	205
1/6/2015	1/6/2015	68	81	209	0	0	209
1/7/2015	1/7/2015	70	82	219	0	0	219
1/8/2015	1/8/2015	60	76	205	0	0	205
1/9/2015	1/9/2015	68	78	200	0	0	200
1/10/2015	1/10/2015	54	60	171	0	0	171
1/11/2015	1/11/2015	57	63	161	0	0	161
1/12/2015	1/12/2015	71	76	194	0	0	194
1/13/2015	1/13/2015	62	69	165	0	0	165
1/14/2015	1/14/2015	44	49	135	0	0	135
1/15/2015	1/15/2015	42	46	119	0	0	119
1/16/2015	1/16/2015	37	42	115	0	0	115
1/17/2015	1/17/2015	34	40	106	0	0	106
1/18/2015	1/18/2015	39	42	102	0	0	102
1/19/2015	1/19/2015	35	38	96	0	0	96
1/20/2015	1/20/2015	36	39	104	0	0	104
1/21/2015	1/21/2015	40	44	114	0	0	114
1/22/2015	1/22/2015	41	48	127	0	0	127
1/23/2015	1/23/2015	37	42	108	0	0	108
1/24/2015	1/24/2015	34	37	92	0	0	92
1/25/2015	1/25/2015	40	44	116	0	0	116
1/26/2015	1/26/2015	32	36	91	0	0	91
1/27/2015	1/27/2015	38	43	107	1	1	106
1/28/2015	1/28/2015	36	42	113	0	0	113
1/29/2015	1/29/2015	46	54	136	0	0	136
1/30/2015	1/30/2015	49	54	126	0	0	126
1/31/2015	1/31/2015	42	48	131	0	0	131
2/1/2015	2/1/2015	62	72	176	0	0	176

2/2/2015	2/2/2015	62	68	171	0	0	171
2/3/2015	2/3/2015	56	59	157	0	0	157
2/4/2015	2/4/2015	68	76	180	0	0	180
2/5/2015	2/5/2015	61	70	174	0	0	174
2/6/2015	2/6/2015	44	48	124	0	0	124
2/7/2015	2/7/2015	35	38	98	0	0	98
2/8/2015	2/8/2015	38	42	108	0	0	108
2/9/2015	2/9/2015	44	47	119	0	0	119
2/10/2015	2/10/2015	38	46	135	0	0	135
2/11/2015	2/11/2015	58	73	174	0	0	174
2/12/2015	2/12/2015	59	65	169	0	0	169
2/13/2015	2/13/2015	51	62	154	0	0	154
2/14/2015	2/14/2015	67	76	189	0	0	189
2/15/2015	2/15/2015	62	69	176	0	0	176
2/16/2015	2/16/2015	55	62	162	0	0	162
2/17/2015	2/17/2015	66	77	189	0	0	189
2/18/2015	2/18/2015	73	84	204	0	0	204
2/19/2015	2/19/2015	66	73	178	1	1	177
2/20/2015	2/20/2015	48	53	144	0	0	144
2/21/2015	2/21/2015	58	67	167	0	0	167
2/22/2015	2/22/2015	73	82	201	0	0	201
2/23/2015	2/23/2015	57	69	175	0	0	175
2/24/2015	2/24/2015	45	53	144	0	0	144
2/25/2015	2/25/2015	63	70	174	0	0	174
2/26/2015	2/26/2015	70	78	195	0	0	195
2/27/2015	2/27/2015	69	75	186	0	0	186
2/28/2015	2/28/2015	58	66	173	0	0	173
			Max	242	1	1	242
			Min	57	0	0	57

		Rochester Unadj. HDD	Rochester Adj. HDD	Dodge Center Through-Put	4123207 McNeilus TRK/MFG Center	4235034 McNeilus Truck MFG	4235034 McNeilus Truck MFG	4235034 McNeilus Truck MFG	4240482 Ind Sch Dist 2125 HS INTE	4872691 McNeilus TRK/MFG R&D	4900066 McNeilus Truck MFG	4900066 McNeilus Truck MFG	4900067 McNeilus Truck MFG	4975597 McNeilus Truck MFG	Dodge Center Total IT Volumes	Dodge Center Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	914	8.2	28.2	131	59	9.1	7.8	73	119	2.6		438	476
12/2/2012	12/2/2012	22	25	686	8.4	21.6	106	8	13	7.6	28	72	6.2		271	415
12/3/2012	12/3/2012	18	21	868	7	26.1	138	76	16.7	5.8	77	65	2.8		414	454
12/4/2012	12/4/2012	36	40	1,523	9.9	44.7	222	133	22.5	12	143	144	5.1		736	787
12/5/2012	12/5/2012	32	38	1,417	10.3	51.8	183	102	18.6	9.6	132	131	3.8		642	775
12/6/2012	12/6/2012	30	33	1,244	7.2	46.9	173	108	19.4	8.9	99	107	4.5		574	670
12/7/2012	12/7/2012	35	38	1,377	4.9	55.1	191	124	16.9	10.8	88	126	7.9		625	752
12/8/2012	12/8/2012	32	35	1,199	5	48.6	160	121	10.9	11.1	62	115	5.3		539	660
12/9/2012	12/9/2012	41	47	1,372	6.8	45.9	182	118	22.7	13.7	78	131	6.3		604	768
12/10/2012	12/10/2012	54	59	2,178	15	78.1	309	170	34	15.3	209	209	10.8		1,050	1,128
12/11/2012	12/11/2012	44	48	1,925	10.6	66.1	253	141	27.5	11.6	172	262	5.4		949	976
12/12/2012	12/12/2012	30	36	1,514	9.8	47.9	197	106	23.1	10.2	138	174	6.3		712	802
12/13/2012	12/13/2012	36	38	1,671	11.4	55.2	216	135	24.3	10.9	143	224	9.6		829	842
12/14/2012	12/14/2012	32	36	1,206	6.5	44.7	167	97	10.4	8.7	70	120	5.7		530	676
12/15/2012	12/15/2012	29	32	1,119	5.8	38.4	145	100	9.8	10.6	53	124	5.1		492	627
12/16/2012	12/16/2012	40	44	1,469	8.7	49	181	103	25.2	15.5	64	150	8		604	865
12/17/2012	12/17/2012	41	43	1,784	12.2	68.8	226	139	29.7	11.1	199	190	8.6		884	900
12/18/2012	12/18/2012	36	39	1,675	9.9	53.6	216	122	25.3	9	191	169	8		804	871
12/19/2012	12/19/2012	36	40	1,664	10	50.6	211	118	24	10.9	182	188	6.2		801	863
12/20/2012	12/20/2012	49	61	2,140	14.2	76.7	269	168	34.4	16.3	207	242	9.1		1,037	1,103
12/21/2012	12/21/2012	53	58	2,151	14.4	71.3	287	180	23.1	16.5	214	233	10.3		1,050	1,101
12/22/2012	12/22/2012	44	48	1,882	11.1	60.4	251	145	18.6	16.8	168	211	7.1		889	993
12/23/2012	12/23/2012	48	51	1,747	11.2	52.3	240	70	30.6	17.8	164	162	6.7		755	992
12/24/2012	12/24/2012	55	61	1,794	12.2	56.5	263	15	38.2	20.6	166	113	9.4		694	1,100
12/25/2012	12/25/2012	57	62	1,957	12.6	62.9	280	41	38.9	20.8	180	133	10.8		780	1,177
12/26/2012	12/26/2012	53	55	2,287	14.7	73.6	285	191	38.8	18	246	230	12.7		1,110	1,177
12/27/2012	12/27/2012	49	52	2,066	14.5	76	260	159	33.9	16.3	230	199	10.8		1,000	1,067
12/28/2012	12/28/2012	45	49	1,887	11.2	76.7	228	154	21.5	13.7	213	156	7.2		881	1,006
12/29/2012	12/29/2012	57	63	2,004	11.8	78.9	251	152	18.3	18.9	191	138	11.7		872	1,132
12/30/2012	12/30/2012	51	58	1,755	12.2	71.1	225	117	34.7	16.4	127	99	10		712	1,043
1/1/2013	1/1/2013	61	66	2,020	12.1	70.7	256	168	38.8	22.9	147	106	12.3		834	1,186
1/2/2013	1/2/2013	48	53	2,095	14.2	78.6	284	168	34.9	17.3	209	189	9.4		1,004	1,091
1/3/2013	1/3/2013	51	59	2,199	15.4	79.2	273	174	33	17	220	219	13		1,044	1,155
1/4/2013	1/4/2013	47	51	1,928	11.7	63.9	254	160	18.1	17	180	180	10.5		895	1,033
1/5/2013	1/5/2013	47	54	1,870	12.8	56.2	246	152	15.9	18.8	150	177	7.9		837	1,033
1/6/2013	1/6/2013	48	55	1,847	12	54.4	221	145	29.1	18.8	150	171	8.4		810	1,037
1/7/2013	1/7/2013	42	46	1,773	11.6	54.1	223	143	27.2	11.5	171	186	7.5		835	938
1/8/2013	1/8/2013	39	45	1,653	13.7	55.6	202	131	22.3	11.4	157	177	9		779	874
1/9/2013	1/9/2013	38	43	1,570	10.3	44.8	193	127	21.9	11.7	144	170	8		731	839
1/10/2013	1/10/2013	32	36	1,455	9.9	48.5	176	119	18.5	10.9	139	165	5.4		692	763
1/11/2013	1/11/2013	34	39	1,391	0.2	49.2	155	115	12.7	10.8	116	167	5.8		632	759
1/12/2013	1/12/2013	54	62	2,166	14.3	55.4	268	158	18.6	21.7	144	281	11.1		972	1,194
1/13/2013	1/13/2013	57	63	2,342	12.2	59.9	279	168	39.8	22.4	176	318	11.9		1,087	1,255
1/14/2013	1/14/2013	50	55	2,283	14.9	76.9	272	172	36.8	18.4	240	264	11.1		1,106	1,177
1/15/2013	1/15/2013	41	48	1,981	16.6	62.1	239	148	27.8	15.1	201	240	9		959	1,022
1/16/2013	1/16/2013	42	47	1,982	13.8	67	240	154	29.3	16.6	191	253	8.6	1.8	975	1,007
1/17/2013	1/17/2013	45	50	2,101	13.7	63.3	262	163	30.1	15.4	214	257	10.7	2.4	1,032	1,069
1/18/2013	1/18/2013	28	32	1,414	11.2	46	165	110	12.7	9.8	125	174	4.5	10	668	746
1/19/2013	1/19/2013	44	53	2,023	17.9	60.1	215	157	18.2	20.3	153	264	10.3	0	916	1,107
1/20/2013	1/20/2013	63	73	2,500	14.3	72.2	271	194	43	25.5	191	291	12.9	7.8	1,123	1,377
1/21/2013	1/21/2013	69	78	2,902	18.6	97.7	360	227	57.7	27.4	275	264	14.1	21.4	1,363	1,539
1/22/2013	1/22/2013	62	67	2,544	18.1	93.9	319	204	43.2	22.8	255	233	15.8	18.6	1,223	1,321
1/23/2013	1/23/2013	58	67	2,601	17.9	84	323	210	41.3	22.8	250	232	15	43.2	1,239	1,362
1/24/2013	1/24/2013	58	66	2,528	18	87.8	304	183	39.5	22.6	208	276	14.6	39.6	1,193	1,335
1/25/2013	1/25/2013	53	60	2,321	17.1	81.8	305	185	25.2	19.9	196	209	13.8	16.2	1,069	1,252
1/26/2013	1/26/2013	47	54	1,884	14.3	74.7	229	149	18.2	17.6	166	134	10.4	25.2	838	1,046
1/27/2013	1/27/2013	34	37	1,478	9.3	60.4	153	93	26.4	14.1	129	134	8	13.8	641	837
1/28/2013	1/28/2013	31	34	1,620	10.2	61.1	191	127	28.3	9.7	159	171	6.2	55.8	819	801
1/29/2013	1/29/2013	37	44	1,749	12.5	67.2	212	133	30.4	12.6	156	148	9.9	66.6	848	901
1/30/2013	1/30/2013	53	65	2,425	15.3	88.1	300	184	39.1	20.6	212	230	14.9	56.8	1,161	1,264
1/31/2013	1/31/2013	69	82	2,967	15.8	99.3	360	228	49.4	27.3	286	274	15.4	47.8	1,403	1,564
2/1/2013	2/1/2013	64	70	2,530	15.8	99	319	197	31.2	21.2	259	251	14	31.4	1,239	1,291
2/2/2013	2/2/2013	54	59	2,177	15.5	87.2	261	183	21.4	21.3	202	212	11.7	0.6	1,016	1,161
2/3/2013	2/3/2013	54	59	2,037	15	71.7	237	165	36.5	20	168	180	10.9	0.6	905	1,132
2/4/2013	2/4/2013	50	56	2,187	15	76	243	175	36.6	17.2	236	209	10	53.2	1,071	1,116
2/5/2013	2/5/2013	47	52	2,097	10.8	69.7	251	155	30.7	15.9	221	217	9.5	67.2	1,048	1,049
2/6/2013	2/6/2013	39	43	1,838	11.2	72.7	223	129	24.3	12.5	192	194	7.9	67.2	934	904
2/7/2013	2/7/2013	39	44	1,940	13.1	63.1	252	145	27.9	16.5	189	189	8.3	64.4	968	972
2/8/2013	2/8/2013	41	46	1,779	14	55.4	231	129	19.2	12.8	163	156	8.6	26.8	816	963
2/9/2013	2/9/2013	36	42	1,626	12.2	55.8	198	122	14	14.5	126	131	8.4	28.2	710	916
2/10/2013	2/10/2013	33	39	1,407	8.6	51.2	152	99	24.3	13.6	101	124	7.8	0	582	826
2/11/2013	2/11/2013	43	51	2,030	14.9	73.8	259	159	33	15.1	181	195	9.8	18.6	959	1,071
2/12/2013	2/12/2013	38	42	1,702	9.2	57	233	143	25.3	12.1	153	161	7.9	28.2	830	872
2/13/2013	2/13/2013	34	38	1,472	10	52.9	188	115	21	9.2	137	139	4.3	33	709	763
2/14/2013	2/14/2013	45	51	1,938	11.1	64.2	261	152	29.9	15.4	153	173	7.2	56.2	923	1,015
2/15/2013	2/15/2013	55	61	2,210	13	71.9	308	173	25.8	19.9	190	181	10.1	53.2	1,046	1,164
2/16/2013	2/16/2013	51	54	1,893	13.1	60.6	266	143	18.7	19	138	152	10.3	17.6	838	1,055
2/17/2013	2/17/2013	41	49	1,544	13.4	55.8	165	105	26.9	15.6	109	124	8.8	12.6	636	908
2/18/2013	2/18/2013	46	57	2,327	13.3	79.1	277	172	38.2	21	224	202	12	33.2	1,072	1,255
2/19/2013	2/19/2013	65	76	2,777	15.4	101.9	342	208	4.3	26.3	328	252	15.7	20.6	1,314	1,463
2/20/2013	2/20/2013	56	59	2,426	14.3	81.2	309	182	33.3	18.5	309	197	15.3	51.8	1,211	1,215
2/21/2013	2/21/2013	49	55	2,142	13.8	81.2	239	148	34.3	16.9	262	180	12	45.4	1,033	1,109
2/22/2013	2/22/2013	43	47	1,896	11.5	64.1	232	132	24.1	13.5	240	192	9.8	25	944	952
2/23/2013	2/23/2013	52	56	1,979	13.3	57.7	240	128	17	16.7	237	209	10.1	19.8	949	1,030
2/24/2013	2/24/2013	47	49	1,569	7.6	51.9	171	104	22.8	12.6	198	160	9.5	8.8	746	823
2/25/2013	2/25/2013	35	37	1,799	9.4	45.3	215	139	25.2	11.8	242	196	9	49.6	942	857
2/26/2013	2/26/2013	35	41	1,689	10.6	51.6	187	127	23.7	10.2	217	169	8.3	55	859	830
2/27/2013	2/27/2013	34	40	1,684	11.4	54.7	189	126	24.1	10.8	208	166	9.1	41.8	841	843
2/28/2013	2/28/2013	40	44	1,839	12.8	58.5	197	149	27.8	11.8	229	202	7.1	33.6	929	910
12/1/2013	12/1/2013	35	37	1,318	8.2	33.2	161	74	28.6	6.6	112	161	45.6	26.2	656	662
12/2/2013	12/2/2013	30	34	1,632	11.8	50.7	182	87	36.8	5.3	168	184	46.8	74.2	847	785
12/3/2013	12/3/2013	31	34	1,658	8.7	49.4	175	95	34.8	8.2	171	229	52.2	93	916	742
12/4/2013	12/4/2013	43	51	2,056	12.5	66.1	225	122	42.3	12.5	188	327	66.2	75.6	1,137	919
12/5/2013	12/5/2013	60	70	2,782	15.3	101	278	175	58.1	16.3	306	435	83.3	107.2	1,575	1,207
12/6/2013	12/6/2013	64	72	2,638	15.4	99.9	256	184	45.7	17.4	261	323	85.3	61.6	1,349	1,289
12/7/2013	12/7/2013	63	67	2,288	15.2	75.7	271	139	28.5	14.9	220	279	69.9	17.8	1,131	1,157
12/8/2013	12/8/2013	59	64	2,075	13.1	73.9	250	127	44.6	14.8	181	255	65.8	1.4	1,027	1,048

12/9/2013	12/9/2013	60	71	2,755	15.8	111.3	318	183	67.5	18.3	268	338	85.5	58.4	1,464	1,291
12/10/2013	12/10/2013	61	70	2,694	15.7	108.4	322	170	68.4	15.1	263	369	77.8	94.4	1,504	1,190
12/11/2013	12/11/2013	64	72	2,872	15.8	111.6	336	188	66.4	20.2	291	355	87	120.8	1,592	1,280
12/12/2013	12/12/2013	49	52	2,319	14.9	96.4	285	146	51	11.7	244	330	67.9	113.2	1,360	959
12/13/2013	12/13/2013	48	54	2,296	14.9	94.7	276	149	38.1	11.7	201	325	67.8	125.8	1,304	992
12/14/2013	12/14/2013	58	66	2,307	15.4	95.4	270	128	27.7	14.8	185	337	72.1	29.8	1,175	1,132
12/15/2013	12/15/2013	61	66	2,337	15.4	92.3	279	132	48.9	15.4	195	313	73.4	34.6	1,199	1,138
12/16/2013	12/16/2013	46	53	2,276	17.5	96.8	261	130	51.8	12.9	231	319	68.1	97	1,285	991
12/17/2013	12/17/2013	47	55	2,244	17.3	93	264	115	46.9	12.6	223	333	64.9	87	1,257	987
12/18/2013	12/18/2013	36	41	1,937	14.7	83.5	225	108	43	10.7	204	238	55	64.8	1,047	890
12/19/2013	12/19/2013	45	52	2,192	17.3	81.6	274	132	29.3	12.6	260	261	69.6	64.2	1,202	990
12/20/2013	12/20/2013	46	49	2,028	15.3	79.6	267	124	48.2	10.8	231	248	61.7	60.4	1,146	882
12/21/2013	12/21/2013	45	51	1,728	13.5	75.9	163	71	22.8	12	196	204	57.7	48.2	864	864
12/22/2013	12/22/2013	59	68	2,264	13.9	91.6	275	92	58.8	17.5	199	243	74.2	56.4	1,121	1,143
12/23/2013	12/23/2013	73	81	2,578	18.4	99.4	335	110	83.6	18.9	217	226	84.1	9.8	1,202	1,376
12/24/2013	12/24/2013	61	70	2,055	18.3	65.5	237	61	70.8	16.3	172	159	71	0	871	1,184
12/25/2013	12/25/2013	46	52	1,686	12.5	53.9	181	61	55.9	13.1	130	144	61.6	19	732	954
12/26/2013	12/26/2013	43	46	1,776	14.4	66.8	245	121	48.6	9.9	163	181	61.6	59.2	971	806
12/27/2013	12/27/2013	35	40	1,480	13.6	61.2	168	70	30.1	8.5	131	169	49.8	56.4	758	722
12/28/2013	12/28/2013	42	50	1,421	9.6	64.3	187	45	19	11.1	104	160	52.1	21.4	674	748
12/29/2013	12/29/2013	70	78	2,373	17.3	87.1	303	109	61.7	18.2	150	258	83.4	0	1,088	1,285
12/30/2013	12/30/2013	70	75	2,439	18.3	83.7	293	125	78.2	17.3	223	235	80.1	0	1,154	1,285
1/1/2014	1/1/2014	68	75	2,310	17.8	69.8	277	135	74.3	16.9	194	196	81.2	7.8	1,070	1,240
1/2/2014	1/2/2014	72	78	2,779	18.4	97.7	332	197	68	19.6	280	298	99.3	37.6	1,448	1,331
1/3/2014	1/3/2014	47	58	2,363	19.2	87	255	123	44	14	258	279	63.4	49.4	1,192	1,171
1/4/2014	1/4/2014	60	70	2,453	17.6	71.3	268	129	31	16.1	234	367	73.5	18.4	1,226	1,227
1/5/2014	1/5/2014	79	95	2,959	18	87.5	319	169	77.9	22.9	250	349	86.2	0	1,380	1,580
1/6/2014	1/6/2014	81	94	3,183	18.9	112.2	375	195	92.7	26.7	308	316	103.3	8.8	1,557	1,626
1/7/2014	1/7/2014	68	73	2,827	18.4	116.7	334	189	75.4	18.5	322	272	96.5	59.8	1,502	1,325
1/8/2014	1/8/2014	71	77	2,915	18.3	112	345	187	67.9	18.9	323	343	88.4	58.6	1,562	1,353
1/9/2014	1/9/2014	52	61	2,429	17	109.5	271	141	54.3	14.7	273	277	69.7	62.6	1,290	1,139
1/10/2014	1/10/2014	38	41	1,754	13.1	89.2	201	88	30.2	8.7	169	215	62.9	65.8	943	811
1/11/2014	1/11/2014	39	45	1,740	13.2	83.4	203	78	19.1	11	163	204	53.9	35.2	864	876
1/12/2014	1/12/2014	31	35	1,340	8.6	69.7	153	45	32.4	8.8	138	166	42.4	18.2	682	658
1/13/2014	1/13/2014	36	42	1,733	14.8	77.4	200	102	42.8	8.6	220	232	46.4	58.2	1,002	731
1/14/2014	1/14/2014	55	67	2,470	15.4	81.1	286	146	53.6	14.6	289	318	83.2	67.4	1,354	1,116
1/15/2014	1/15/2014	49	58	2,329	17.3	89.1	254	118	48.9	13.7	282	324	60.5	62.6	1,270	1,059
1/16/2014	1/16/2014	48	60	2,629	16.6	94.6	300	153	58.1	18.7	295	378	62.5	63.4	1,440	1,189
1/17/2014	1/17/2014	58	66	2,416	17	80.6	288	125	43.9	17	270	336	60.2	64.4	1,302	1,114
1/18/2014	1/18/2014	49	56	1,926	16.3	64.8	214	68	27.2	16.1	219	254	51.5	44.6	976	951
1/19/2014	1/19/2014	35	41	1,477	10.6	43.5	164	52	32.6	12.6	159	199	41.5	53.6	768	709
1/20/2014	1/20/2014	59	68	2,664	16.2	94.8	328	111	60.9	16.5	318	405	68.5	63.6	1,483	1,182
1/21/2014	1/21/2014	68	75	2,905	17.3	111.8	343	146	64.1	19.6	343	412	78.8	61.6	1,597	1,308
1/22/2014	1/22/2014	71	84	3,212	17.5	116.5	369	181	70.1	24.8	362	416	85.4	63.8	1,706	1,506
1/23/2014	1/23/2014	66	78	3,109	17.8	118.9	356	185	69.2	20	321	351	82.5	106.4	1,628	1,481
1/24/2014	1/24/2014	46	57	2,082	16.4	71.5	252	105	35.3	11.1	195	246	55.4	103.6	1,091	991
1/25/2014	1/25/2014	55	64	2,286	16.5	92.9	254	110	28.6	14.3	247	258	64.6	34.2	1,120	1,166
1/26/2014	1/26/2014	63	81	2,568	17.2	100.1	256	121	62.1	19.8	247	303	66.4	0	1,193	1,375
1/27/2014	1/27/2014	77	89	3,279	16.6	111.6	382	196	80.4	19.8	349	431	98.3	55	1,740	1,539
1/28/2014	1/28/2014	72	82	3,207	17.2	112.1	366	197	71.7	19.6	359	425	80.3	108.2	1,756	1,451
1/29/2014	1/29/2014	50	60	2,303	16.3	77.5	276	128	51.4	11	270	312	54.6	62.2	1,259	1,044
1/30/2014	1/30/2014	55	64	2,644	15.6	104.6	323	170	55.9	16.3	295	374	68	32.4	1,455	1,189
1/31/2014	1/31/2014	66	71	2,702	16.6	99.5	329	155	41.9	17.4	308	390	68.3	42.8	1,469	1,234
2/1/2014	2/1/2014	59	67	2,396	16.4	96.4	264	116	30.7	16.8	256	376	59.8	0	1,232	1,164
2/2/2014	2/2/2014	64	70	2,499	16.4	101.4	297	126	56.4	15.8	251	372	62.9	4	1,303	1,196
2/3/2014	2/3/2014	56	60	2,610	15.7	98.6	329	157	58.7	15.6	305	379	64.2	30.4	1,453	1,157
2/4/2014	2/4/2014	59	68	2,782	16	106.5	341	174	61	15.7	322	397	68.7	42.2	1,544	1,238
2/5/2014	2/5/2014	70	80	3,077	16.6	111.5	368	186	67.2	20.9	356	423	77.4	52.2	1,679	1,398
2/6/2014	2/6/2014	69	79	3,021	17.7	107.8	344	177	68.3	19.6	325	435	80.8	65.8	1,641	1,380
2/7/2014	2/7/2014	63	70	2,728	18.3	105.8	288	138	45.6	17.6	292	400	73	83.2	1,462	1,267
2/8/2014	2/8/2014	61	65	2,373	19.1	92.8	232	123	29.4	16.4	234	381	62.9	7.6	1,198	1,175
2/9/2014	2/9/2014	70	79	2,736	19.1	102.3	272	147	62.2	20.3	273	409	78.2	5	1,388	1,348
2/10/2014	2/10/2014	73	79	3,012	19.1	109.1	366	193	72.5	17.2	309	444	78.3	53	1,661	1,351
2/11/2014	2/11/2014	63	73	2,703	18.8	102.7	327	152	62.2	15.3	260	381	65.6	80.2	1,465	1,238
2/12/2014	2/12/2014	49	54	2,308	16.1	88.4	287	124	48.6	11.4	250	349	48.4	52.4	1,275	1,033
2/13/2014	2/13/2014	49	58	2,673	18.2	103.7	274	147	54.8	14.7	324	460	59.7	29.6	1,486	1,187
2/14/2014	2/14/2014	61	69	2,542	18.3	95.8	182	139	40.9	16.6	308	441	63.8	51.6	1,357	1,185
2/15/2014	2/15/2014	53	60	2,276	18.4	85.5	216	102	27.5	15.1	254	393	50.7	0	1,162	1,114
2/16/2014	2/16/2014	51	60	2,039	14.3	85.2	205	98	43.5	14.1	221	316	44.3	0	1,041	998
2/17/2014	2/17/2014	42	47	2,000	15.8	80.4	205	108	50.1	10.4	266	273	62.6	21	1,092	908
2/18/2014	2/18/2014	36	40	1,681	11.1	54.1	198	99	39.4	6.1	215	273	34.3	36	966	715
2/19/2014	2/19/2014	35	39	1,602	12.8	46.9	185	87	34.3	5.8	211	266	44.7	64.4	958	644
2/20/2014	2/20/2014	43	53	1,895	13.2	62.2	168	90	49.6	11.4	226	278	67.1	38.6	1,004	891
2/21/2014	2/21/2014	54	65	2,102	14.9	85.5	234	117	40.6	14.5	189	283	86.9	0	1,065	1,037
2/22/2014	2/22/2014	59	68	2,208	14.9	87.7	247	119	26.8	15.7	198	359	86.6	0	1,155	1,053
2/23/2014	2/23/2014	61	71	2,287	14.9	87.2	253	123	52.6	16.3	191	348	88.3	4.8	1,179	1,108
2/24/2014	2/24/2014	64	72	2,643	16.7	102.4	303	162	61.7	16	268	387	94.8	49.2	1,461	1,182
2/25/2014	2/25/2014	70	81	2,911	17.7	106.9	311	178	65	19.8	282	390	74.9	56	1,501	1,410
2/26/2014	2/26/2014	64	79	2,914	19.7	107.8	301	167	65.8	19.5	293	414	86.2	43.8	1,518	1,396
2/27/2014	2/27/2014	73	80	3,060	19.5	110.8	324	192	69.3	19.5	284	487	88.8	61.6	1,657	1,404
2/28/2014	2/28/2014	58	66	2,632	19.3	98.4	284	133	40.2	17	297	435	60.9	35	1,420	1,212
12/1/2014	12/1/2014	57	64	2,624	17.9			157	59.7	14.7	305	392	50.2	49.2	1,046	1,578
12/2/2014	12/2/2014	45	51	2,344	16.7			133	46.7	11.9	252	314	51.8	80.4	907	1,438
12/3/2014	12/3/2014	47	52	2,179	16.5			131	45.2	9.2	259	332	44	85.2	922	1,257
12/4/2014	12/4/2014	39	44	1,816	13.7			110	37.6	7.1	214	269	35.2	88.6	775	1,041
12/5/2014	12/5/2014	40	43	1,702	12			98	32.7	6.3	196	273	13.7	80.4	712	990
12/6/2014	12/6/2014	37	41	1,539	10.3			91	30.8	6	166	222	13.8	6.4	546	993
12/7/2014	12/7/2014	34	40	1,393	10.9			80	37.8	7.1	126	160	17.7	16.6	456	937
12/8/2014	12/8/2014	38	44	1,950	13.4			113	41.1	9.8	204	290	76.6	70	818	1,132
12/9/2014	12/9/2014	42	45	1,917	13.1			107	0.7	9.6	219	301	41.7	101	793	1,124
12/10/2014	12/10/2014	39	42	1,864	13.3			119	36	11.4	212	263	38.1	100.4	793	1,071
12/11/2014	12/11/2014	37	40	1,736	13.1			103	34.1	7.9	198	238	42.4	79.2	716	1,020
12/12/2014	12/12/2014	29	32	1,482	12.5			101	27.7	6.6	155	215	23.5	41.2	583	900
12/13/2014	12/13/2014	23	26	1,105	10.2			61	21.7	6.1	112	195	7.2	31.4	445	660
12/14/2014	12/14/2014	19	21	961	9.4			47	22.7	5.1	88	188	10.5	29.6	400	561
12/15/2014	12/15/2014	30	34	1,408	10.5			93	28.6	5.1	150	244	28.7	71.2	631	777
12/16/2014	12/16/2014	47	55	2,234	15.8			128	45.2	12.3	214	335	43.5	95.4	889	1,345
12/17/2014	12/17/2014	50	53	2,343	15.6			137	47.7	11.4	267	346	74.9	100.2	1,000	1,343
12/18/2014	12/18/2014	45	46	2,137	14.4			131	43.6	10.9	245	310	64.7	73.2	893	1,244
12/19/2014	12/19/2014	39	43	1,782	13.1			103	33.3	7.1	200	260	55.4	57	729	1,053
12/20/2014	12/20/2014	34	38	1,522	11.3			73	31.9	7.2	140	218	41.5	26.8	550	972

12/21/2014	12/21/2014	30	36	1,381	11.9			65	36.1	7.6	116	194	40.9	16.8		488	893
12/22/2014	12/22/2014	31	35	1,592	12.9			87	34.3	7.5	158	62	45.1	86.4		493	1,099
12/23/2014	12/23/2014	32	37	1,573	12.9			85	34.9	6.3	153	14	41.8	86.6		435	1,139
12/24/2014	12/24/2014	35	40	1,399	11.5			73	42.2	6.9	110	2	42.8	15.8		304	1,095
12/25/2014	12/25/2014	36	39	1,342	10.2			71	37.8	7	109	0	41	33.2		309	1,033
12/26/2014	12/26/2014	36	41	1,477	11			75	34.7	6	116	0	44.4	52.4		340	1,138
12/27/2014	12/27/2014	50	56	1,906	14.1			104	41.9	10.4	163	0	58.4	16.8		409	1,497
12/28/2014	12/28/2014	53	57	1,892	12.7			111	49.4	10.7	178	0	62.9	2.8		428	1,465
12/29/2014	12/29/2014	67	74	2,491	17.6			171	59.1	17.8	202	0	93.8	54.6		616	1,875
12/30/2014	12/30/2014	71	79	2,737	18.1			200	69.7	18.6	222	0	95.3	86.4		710	2,027
12/31/2014	12/31/2014	61	73	2,134	18.3			124	63.5	15	163	0	71	5.8		461	1,673
1/1/2015	1/1/2015	48	53	1,681	13			111	52.1	11.8	127	0	61.6	0.2		377	1,304
1/2/2015	1/2/2015	49	53	1,647	14.6			103	41.4	9.4	124	0	81.2	12.4		386	1,261
1/3/2015	1/3/2015	50	58	1,671	13.3			109	40.5	12	110	0	78.7	0		364	1,308
1/4/2015	1/4/2015	72	84	2,578	16.3			162	68.5	17.8	179	0	96.6	0		540	2,038
1/5/2015	1/5/2015	70	76	2,734	18.6			174	69.5	18.4	251	0	101.4	4		637	2,097
1/6/2015	1/6/2015	68	81	2,780	19			192	67	15.7	248	0	88.7	38.6		669	2,111
1/7/2015	1/7/2015	70	82	2,953	18.8			198	77.6	20.6	256	0	98.1	72		741	2,212
1/8/2015	1/8/2015	60	76	2,655	18.8			149	70	18.5	223	218	91.3	72		861	1,794
1/9/2015	1/9/2015	68	78	2,546	18.7			136	61.3	17	195	233	101.2	67.6		830	1,716
1/10/2015	1/10/2015	54	60	2,114	18.6			116	59.8	12.4	150	191	87.8	0		636	1,478
1/11/2015	1/11/2015	57	63	2,129	16			124	65	12.9	163	222	90	4.4		697	1,432
1/12/2015	1/12/2015	71	76	2,773	18.3			199	66.6	18.6	249	269	93.3	41.8		956	1,817
1/13/2015	1/13/2015	62	69	2,381	18.3			159	57.5	14.1	231	225	83.8	51.4		840	1,541
1/14/2015	1/14/2015	44	49	2,012	16.5			123	46.3	10.2	175	180	71.2	115.8		738	1,274
1/15/2015	1/15/2015	42	46	1,766	15.3			89	42	8.2	164	175	63.7	79.8		637	1,129
1/16/2015	1/16/2015	37	42	1,531	14.3			54	35.3	6.7	148	156	49.7	26.4		490	1,041
1/17/2015	1/17/2015	34	40	1,298	11.3			44	33.9	5.2	102	114	42.4	0		353	945
1/18/2015	1/18/2015	39	42	1,326	10.5			58	38.5	6.7	88	144	44.4	17.8		408	918
1/19/2015	1/19/2015	35	38	1,466	11.2			106	34.7	8.6	115	154	55.1	66.6		551	915
1/20/2015	1/20/2015	36	39	1,463	12.9			102	36.8	7.1	117	114	51.9	26.2		468	995
1/21/2015	1/21/2015	40	44	1,595	13.2			106	38.9	8.9	107	93	59.3	85.8		512	1,083
1/22/2015	1/22/2015	41	48	1,752	13.8			113	42.2	9.5	126	144	65.1	60		574	1,178
1/23/2015	1/23/2015	37	42	1,433	13.4			80	38.1	6.7	106	116	64.3	35.4		460	973
1/24/2015	1/24/2015	34	37	1,157	10.6			62	31.6	5	78	96	51.8	0		335	822
1/25/2015	1/25/2015	40	44	1,434	12.3			80	43	6.7	85	127	56	0		410	1,024
1/26/2015	1/26/2015	32	36	1,279	11.3			92	33.7	85	87	108	50.4	31		498	781
1/27/2015	1/27/2015	38	43	1,483	13.1			107	36.1	6.6	103	139	55.8	14.6		475	1,008
1/28/2015	1/28/2015	36	42	1,507	13.1			91	36.1	6.5	112	134	56.2	28.6		478	1,030
1/29/2015	1/29/2015	46	54	1,922	13.3			118	43.9	10	150	163	71.3	86		656	1,267
1/30/2015	1/30/2015	49	54	1,629	11.8			103	37.4	9.7	111	109	66	26.6		475	1,155
1/31/2015	1/31/2015	42	48	1,504	13.8			50	42.6	12	82	98	62.5	0		361	1,143
2/1/2015	2/1/2015	62	72	1,987	15.6			70	62.6	15.9	87	165	76.6	0		493	1,494
2/2/2015	2/2/2015	62	68	2,313	17.7			171	57.1	14.9	176	166	98.1	42		743	1,570
2/3/2015	2/3/2015	56	59	2,128	15.2			153	52.1	12.6	169	130	75.4	109.4		717	1,411
2/4/2015	2/4/2015	68	76	2,423	15.4			182	58.4	16.8	186	158	91.6	71.8		780	1,643
2/5/2015	2/5/2015	61	70	2,265	18.9			160	53.3	15.5	180	142	86.6	52.2		709	1,557
2/6/2015	2/6/2015	44	48	1,601	15.1			120	38	6.8	107	93	66.8	32.2		479	1,122
2/7/2015	2/7/2015	35	38	1,242	11.5			63	31	6.3	85	96	41.3	24.2		358	884
2/8/2015	2/8/2015	38	42	1,344	12			77	39.5	7.5	84	93	49.8	0		363	981
2/9/2015	2/9/2015	44	47	1,628	10.4			121	40.3	7.5	131	110	65.6	47		533	1,095
2/10/2015	2/10/2015	38	46	1,792	15.3			115	41.4	10.8	124	110	85.5	96.8		599	1,193
2/11/2015	2/11/2015	58	73	2,245	16.2			154	53.1	13.8	149	141	79.2	87.6		694	1,551
2/12/2015	2/12/2015	59	65	2,288	18.2			168	55.6	13.5	182	156	80	60.4		734	1,554
2/13/2015	2/13/2015	51	62	1,953	18.1			96	43.8	11.4	146	114	76.6	75		581	1,372
2/14/2015	2/14/2015	67	76	2,221	18.4			117	56.4	14.7	142	142	99	15.2		605	1,616
2/15/2015	2/15/2015	62	69	2,097	17.7			111	62.5	13.9	142	131	93.3	15.2		587	1,510
2/16/2015	2/16/2015	55	62	2,133	17.5			149	58.4	13.9	167	136	79	67.4		688	1,445
2/17/2015	2/17/2015	66	77	2,445	18.8			167	60.2	17.3	183	157	92.7	65.2		761	1,684
2/18/2015	2/18/2015	73	84	2,731	18.7			194	65.9	19.6	206	193	97.9	75		870	1,861
2/19/2015	2/19/2015	66	73	2,349	18.2			147	59.1	18.4	193	145	92.8	73.4		747	1,602
2/20/2015	2/20/2015	48	53	1,767	18.1			108	39.9	7.7	120	80	85.3	84.6		544	1,223
2/21/2015	2/21/2015	58	67	1,947	17.7			126	48.1	13	105	114	83	20.6		527	1,420
2/22/2015	2/22/2015	73	82	2,425	17.6			157	73.7	15.9	149	175	93.7	3.4		685	1,740
2/23/2015	2/23/2015	57	69	2,199	19.4			136	54.8	14.8	172	153	85.4	48.2		684	1,515
2/24/2015	2/24/2015	45	53	1,875	17.5			121	46	10	158	134	89.8	58.4		635	1,240
2/25/2015	2/25/2015	63	70	2,330	17.4			153	55.5	14.6	186	179	97.1	71		774	1,556
2/26/2015	2/26/2015	70	78	2,518	17.6			174	60.1	14.9	206	192	104.3	20.8		790	1,728
2/27/2015	2/27/2015	69	75	2,324	18.2			142	52.6	12.7	169	150	90.4	87.2		722	1,602
2/28/2015	2/28/2015	58	66	1,988	18			105	55.4	11.1	132	118	81.7	22.8		544	1,444
			Max	3279	20	119	382	228	93	85	362	487	104	126		1756	2212
			Min	686	0	22	106	8	1	5	28	0	3	0		271	415

		Rochester Unadj. HDD	Rochester Adj. HDD	Kasson Through-Put	4199931 Greenway Coop	4232981 Ind Sch Dist 204 K-4 Firm	4348291 Ind Sch Dist 204 HS Inter	Kasson Total IT Volumes	Kasson Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	897		11.9	31.2	43	854
12/2/2012	12/2/2012	22	25	863		13.1	30.8	44	819
12/3/2012	12/3/2012	18	21	818		14.4	33.1	48	771
12/4/2012	12/4/2012	36	40	1,375		36.6	39.2	76	1,299
12/5/2012	12/5/2012	32	38	1,299		28.5	39.8	68	1,231
12/6/2012	12/6/2012	30	33	1,106		27.2	36.9	64	1,042
12/7/2012	12/7/2012	35	38	1,345		29.1	36.3	65	1,280
12/8/2012	12/8/2012	32	35	1,213		14.9	33	48	1,165
12/9/2012	12/9/2012	41	47	1,424		24.8	39.9	65	1,359
12/10/2012	12/10/2012	54	59	1,972		51.6	60.3	112	1,860
12/11/2012	12/11/2012	44	48	1,683		41.4	52.5	94	1,589
12/12/2012	12/12/2012	30	36	1,351		29.2	45	74	1,277
12/13/2012	12/13/2012	36	38	1,461		34.9	43.8	79	1,382
12/14/2012	12/14/2012	32	36	1,140		21.9	38.5	60	1,080
12/15/2012	12/15/2012	29	32	1,074		14.5	32.6	47	1,027
12/16/2012	12/16/2012	40	44	1,580		25.9	39.9	66	1,514
12/17/2012	12/17/2012	41	43	1,560		40.1	44.3	84	1,476
12/18/2012	12/18/2012	36	39	1,418		35.7	42.1	78	1,340
12/19/2012	12/19/2012	36	40	1,387		35.2	40.1	75	1,312
12/20/2012	12/20/2012	49	61	1,910		48.2	49.7	98	1,812
12/21/2012	12/21/2012	53	58	1,948		48.3	50.8	99	1,849
12/22/2012	12/22/2012	44	48	1,709		22.9	40.3	63	1,646
12/23/2012	12/23/2012	48	51	1,745		29.1	44.8	74	1,671
12/24/2012	12/24/2012	55	61	2,039		51.8	54.7	107	1,933
12/25/2012	12/25/2012	57	62	2,139		52.9	57.6	111	2,029
12/26/2012	12/26/2012	53	55	2,059		45.7	54.7	100	1,959
12/27/2012	12/27/2012	49	52	1,808		41.1	51.8	93	1,715
12/28/2012	12/28/2012	45	49	1,654		35.5	44.1	80	1,574
12/29/2012	12/29/2012	57	63	1,978		23.6	41.4	65	1,913
12/30/2012	12/30/2012	51	58	1,796		28.6	43.7	72	1,724
1/1/2013	1/1/2013	61	66	2,143		46.1	55.2	101	2,042
1/2/2013	1/2/2013	48	53	1,884		47.8	51.8	100	1,784
1/3/2013	1/3/2013	51	59	2,035		50.2	51.6	102	1,933
1/4/2013	1/4/2013	47	51	1,715		36.2	44	80	1,635
1/5/2013	1/5/2013	47	54	1,788		22.3	37.8	60	1,728
1/6/2013	1/6/2013	48	55	1,814		26.4	43.4	70	1,744
1/7/2013	1/7/2013	42	46	1,584		37.5	44.7	82	1,502
1/8/2013	1/8/2013	39	45	1,465		30.3	41.7	72	1,393
1/9/2013	1/9/2013	38	43	1,371		29.2	40.3	70	1,302
1/10/2013	1/10/2013	32	36	1,253		25.8	38.4	64	1,189
1/11/2013	1/11/2013	34	39	1,250		20.9	35.6	57	1,194
1/12/2013	1/12/2013	54	62	2,089		22.5	39.3	62	2,027
1/13/2013	1/13/2013	57	63	2,296		34.5	50.2	85	2,211
1/14/2013	1/14/2013	50	55	2,081		45.8	53.7	100	1,982
1/15/2013	1/15/2013	41	48	1,730		36	48	84	1,646
1/16/2013	1/16/2013	42	47	1,739		40	48.8	89	1,650
1/17/2013	1/17/2013	45	50	1,854		43.1	49.4	93	1,762
1/18/2013	1/18/2013	28	32	1,236		23.7	36.9	61	1,175
1/19/2013	1/19/2013	44	53	1,950		22.2	38.3	61	1,890
1/20/2013	1/20/2013	63	73	2,523		39.2	54.1	93	2,430
1/21/2013	1/21/2013	69	78	2,909		67.9	70.2	138	2,771
1/22/2013	1/22/2013	62	67	2,416		54.2	65.9	120	2,296
1/23/2013	1/23/2013	58	67	2,471		53.5	60.6	114	2,357
1/24/2013	1/24/2013	58	66	2,359		46.2	62.6	109	2,250
1/25/2013	1/25/2013	53	60	2,228		42.3	54	96	2,132
1/26/2013	1/26/2013	47	54	1,829		20.4	42.4	63	1,766
1/27/2013	1/27/2013	34	37	1,466		21.4	39.8	61	1,405
1/28/2013	1/28/2013	31	34	1,344		29.7	44	74	1,270

1/29/2013	1/29/2013	37	44	1,508		34.3	42.9	77	1,431
1/30/2013	1/30/2013	53	65	2,255		50.9	52.6	104	2,152
1/31/2013	1/31/2013	69	82	2,865		57.9	66.3	124	2,741
2/1/2013	2/1/2013	64	70	2,354		41.3	56.6	98	2,256
2/2/2013	2/2/2013	54	59	2,044		21.9	42.7	65	1,979
2/3/2013	2/3/2013	54	59	2,008		29.1	49.3	78	1,930
2/4/2013	2/4/2013	50	56	1,927		42.5	53.9	96	1,831
2/5/2013	2/5/2013	47	52	1,814		38.5	47.3	86	1,728
2/6/2013	2/6/2013	39	43	1,509		32.1	43	75	1,434
2/7/2013	2/7/2013	39	44	1,656		36.1	43.7	80	1,576
2/8/2013	2/8/2013	41	46	1,602		29.2	40.9	70	1,532
2/9/2013	2/9/2013	36	42	1,564		16	34.7	51	1,513
2/10/2013	2/10/2013	33	39	1,439		22.2	38.4	61	1,378
2/11/2013	2/11/2013	43	51	1,857		40.7	47.4	88	1,769
2/12/2013	2/12/2013	38	42	1,478		34	42.2	76	1,402
2/13/2013	2/13/2013	34	38	1,304		29	40	69	1,235
2/14/2013	2/14/2013	45	51	1,735		40.1	43.3	83	1,652
2/15/2013	2/15/2013	55	61	2,068		45.3	45	90	1,978
2/16/2013	2/16/2013	51	54	1,850		20	37.3	57	1,793
2/17/2013	2/17/2013	41	49	1,560		23.5	37.5	61	1,499
2/18/2013	2/18/2013	46	57	2,222		50.9	47.3	98	2,124
2/19/2013	2/19/2013	65	76	2,660		62	65.6	128	2,532
2/20/2013	2/20/2013	56	59	2,122		42.8	52.6	95	2,027
2/21/2013	2/21/2013	49	55	1,906		37.6	50.9	89	1,818
2/22/2013	2/22/2013	43	47	1,585		30.8	42.9	74	1,511
2/23/2013	2/23/2013	52	56	1,799		18.5	37.8	56	1,743
2/24/2013	2/24/2013	47	49	1,386		19.2	37.4	57	1,329
2/25/2013	2/25/2013	35	37	1,437		31.3	40	71	1,366
2/26/2013	2/26/2013	35	41	1,390		30.7	39	70	1,320
2/27/2013	2/27/2013	34	40	1,436		30.2	37.3	68	1,369
2/28/2013	2/28/2013	40	44	1,597		32.2	40.8	73	1,524
12/1/2013	12/1/2013	35	37	1,295	0	19.8	30.2	50	1,245
12/2/2013	12/2/2013	30	34	1,255	0	25.4	36.9	62	1,193
12/3/2013	12/3/2013	31	34	1,337	74	25.9	34	134	1,203
12/4/2013	12/4/2013	43	51	1,885	162	36.4	38.4	237	1,648
12/5/2013	12/5/2013	60	70	2,415	0	55.8	64.9	121	2,294
12/6/2013	12/6/2013	64	72	2,591	0	50.1	55.7	106	2,485
12/7/2013	12/7/2013	63	67	2,305	0	29.7	44.3	74	2,231
12/8/2013	12/8/2013	59	64	2,146	0	37.4	50.2	88	2,058
12/9/2013	12/9/2013	60	71	2,552	0	60.3	64	124	2,428
12/10/2013	12/10/2013	61	70	2,349	0	57.9	61.1	119	2,230
12/11/2013	12/11/2013	64	72	2,521	0	57.2	63	120	2,401
12/12/2013	12/12/2013	49	52	1,883	0	40.5	53.1	94	1,789
12/13/2013	12/13/2013	48	54	1,963	0	35.5	51.9	87	1,876
12/14/2013	12/14/2013	58	66	2,218	0	28.6	42.7	71	2,147
12/15/2013	12/15/2013	61	66	2,289	0	36.2	51.6	88	2,201
12/16/2013	12/16/2013	46	53	1,994	0	41.5	56.9	98	1,896
12/17/2013	12/17/2013	47	55	1,881	0	38.1	53.3	91	1,790
12/18/2013	12/18/2013	36	41	1,536	0	32.4	43.4	76	1,460
12/19/2013	12/19/2013	45	52	1,912	0	39.8	48	88	1,824
12/20/2013	12/20/2013	46	49	1,801	0	34.5	43.3	78	1,723
12/21/2013	12/21/2013	45	51	1,741	0	23.6	34.5	58	1,683
12/22/2013	12/22/2013	59	68	2,300	0	39.6	44.7	84	2,216
12/23/2013	12/23/2013	73	81	2,810	0	52.5	65	118	2,693
12/24/2013	12/24/2013	61	70	2,414	0	56.7	60.9	118	2,296
12/25/2013	12/25/2013	46	52	1,912	0	41.4	53.1	95	1,818
12/26/2013	12/26/2013	43	46	1,604	0	27	48	75	1,529
12/27/2013	12/27/2013	35	40	1,411	0	24.1	42.7	67	1,344
12/28/2013	12/28/2013	42	50	1,425	0	20.5	35.1	56	1,369
12/29/2013	12/29/2013	70	78	2,656	0	34.1	51.3	85	2,571
12/30/2013	12/30/2013	70	75	2,676	0	40	63.7	104	2,572
1/1/2014	1/1/2014	68	75	2,589	0	39.8	62.1	102	2,487

1/2/2014	1/2/2014	72	78	2,662	0	35.3	62.4	98	2,564
1/3/2014	1/3/2014	47	58	2,265	0	34.2	52.2	86	2,179
1/4/2014	1/4/2014	60	70	2,309	0	31.3	42.7	74	2,235
1/5/2014	1/5/2014	79	95	3,258	0	45.3	60.9	106	3,152
1/6/2014	1/6/2014	81	94	3,307	0	44.7	74.4	119	3,188
1/7/2014	1/7/2014	68	73	2,657	0	37.9	66.7	105	2,552
1/8/2014	1/8/2014	71	77	2,695	0	36.9	64.1	101	2,594
1/9/2014	1/9/2014	52	61	2,156	0	33.2	55.9	89	2,067
1/10/2014	1/10/2014	38	41	1,576	0	25.7	44.3	70	1,506
1/11/2014	1/11/2014	39	45	1,677	0	23.1	37.2	60	1,617
1/12/2014	1/12/2014	31	35	1,314	0	21.4	38.3	60	1,254
1/13/2014	1/13/2014	36	42	1,401	0	25.4	42.1	68	1,334
1/14/2014	1/14/2014	55	67	2,163	0	31.2	50.1	81	2,082
1/15/2014	1/15/2014	49	58	1,995	0	31	46.8	78	1,917
1/16/2014	1/16/2014	48	60	2,311	0	38.3	51.8	90	2,221
1/17/2014	1/17/2014	58	66	2,216	0	33.3	53.9	87	2,129
1/18/2014	1/18/2014	49	56	1,874	0	24.6	40.3	65	1,809
1/19/2014	1/19/2014	35	41	1,414	0	23.6	39	63	1,351
1/20/2014	1/20/2014	59	68	2,361	0	37	54.8	92	2,269
1/21/2014	1/21/2014	68	75	2,550	0	35.4	58.6	94	2,456
1/22/2014	1/22/2014	71	84	2,898	0	42.7	68	111	2,787
1/23/2014	1/23/2014	66	78	2,827	0	39	67.9	107	2,720
1/24/2014	1/24/2014	46	57	1,889	0	38	47	85	1,804
1/25/2014	1/25/2014	55	64	2,232	0	29.2	39.1	68	2,164
1/26/2014	1/26/2014	63	81	2,691	0	37.3	52.9	90	2,601
1/27/2014	1/27/2014	77	89	3,076	0	44.9	70.6	116	2,961
1/28/2014	1/28/2014	72	82	2,794	0	39.9	68.3	108	2,686
1/29/2014	1/29/2014	50	60	1,959	0	35.2	51.1	86	1,873
1/30/2014	1/30/2014	55	64	2,272	0	37	56.9	94	2,178
1/31/2014	1/31/2014	66	71	2,366	0	32.3	56.4	89	2,277
2/1/2014	2/1/2014	59	67	2,322	0	30.6	46.6	77	2,245
2/2/2014	2/2/2014	64	70	2,349	0	31.5	54.5	86	2,263
2/3/2014	2/3/2014	56	60	2,212	0	34.1	58.2	92	2,120
2/4/2014	2/4/2014	59	68	2,392	0	36	57.7	94	2,298
2/5/2014	2/5/2014	70	80	2,757	0	40.4	65.2	106	2,651
2/6/2014	2/6/2014	69	79	2,689	0	38.9	63.1	102	2,587
2/7/2014	2/7/2014	63	70	2,438	0	34.2	56.8	91	2,347
2/8/2014	2/8/2014	61	65	2,254	0	28.8	41.7	71	2,184
2/9/2014	2/9/2014	70	79	2,598	0	36.3	53.8	90	2,508
2/10/2014	2/10/2014	73	79	2,678	0	39.3	65.4	105	2,573
2/11/2014	2/11/2014	63	73	2,396	0	34.3	58.6	93	2,303
2/12/2014	2/12/2014	49	54	1,928	0	36.1	48.7	85	1,843
2/13/2014	2/13/2014	49	58	2,249	0	36.1	49.6	86	2,163
2/14/2014	2/14/2014	61	69	2,266	0	32.6	47.4	80	2,186
2/15/2014	2/15/2014	53	60	2,108	0	26.8	36.5	63	2,045
2/16/2014	2/16/2014	51	60	1,854	0	25.8	39.1	65	1,789
2/17/2014	2/17/2014	42	47	1,757	0	38.8	44.8	84	1,673
2/18/2014	2/18/2014	36	40	1,340	0	32.2	39.5	72	1,268
2/19/2014	2/19/2014	35	39	1,219	0	29.5	35.4	65	1,154
2/20/2014	2/20/2014	43	53	1,740	0	36.6	40	77	1,663
2/21/2014	2/21/2014	54	65	1,978	0	32.9	45.3	78	1,900
2/22/2014	2/22/2014	59	68	2,036	0	24.3	39	63	1,973
2/23/2014	2/23/2014	61	71	2,185	0	34.5	55.7	90	2,095
2/24/2014	2/24/2014	64	72	2,270	0	33.1	52.8	86	2,184
2/25/2014	2/25/2014	70	81	2,647	0	36.5	62.1	99	2,548
2/26/2014	2/26/2014	64	79	2,629	0	37.4	58.6	96	2,533
2/27/2014	2/27/2014	73	80	2,694	0	33.9	60	94	2,600
2/28/2014	2/28/2014	58	66	2,291	0	36	46.4	82	2,209
12/1/2014	12/1/2014	57	64	2,307	0	31.1	62.8	94	2,213
12/2/2014	12/2/2014	45	51	1,966	23	36.8	52.7	113	1,854
12/3/2014	12/3/2014	47	52	2,337	484	30.8	51	566	1,771
12/4/2014	12/4/2014	39	44	1,507	0	31.3	48	79	1,428

12/5/2014	12/5/2014	40	43	1,467	0	27.8	43	71	1,396
12/6/2014	12/6/2014	37	41	1,460	0	16.5	45	62	1,399
12/7/2014	12/7/2014	34	40	1,429	0	20.2	43.3	64	1,366
12/8/2014	12/8/2014	38	44	1,655	0	33.1	45.4	79	1,577
12/9/2014	12/9/2014	42	45	1,563	0	30.2	46.9	77	1,486
12/10/2014	12/10/2014	39	42	1,603	0	33.5	45	79	1,525
12/11/2014	12/11/2014	37	40	1,582	71	32.4	42.5	146	1,436
12/12/2014	12/12/2014	29	32	1,433	127	24.2	39.9	191	1,242
12/13/2014	12/13/2014	23	26	937	0	11.7	34.7	46	891
12/14/2014	12/14/2014	19	21	866	56	12.7	33.2	102	764
12/15/2014	12/15/2014	30	34	1,123	38	20.9	33.9	93	1,030
12/16/2014	12/16/2014	47	55	1,941	0	31.6	49.6	81	1,860
12/17/2014	12/17/2014	50	53	1,961	0	31	52.5	84	1,878
12/18/2014	12/18/2014	45	46	1,817	0	34.3	51.2	86	1,732
12/19/2014	12/19/2014	39	43	1,556	0	29.6	46	76	1,480
12/20/2014	12/20/2014	34	38	1,414	0	17.4	43.1	61	1,354
12/21/2014	12/21/2014	30	36	1,322	0	18.8	42.8	62	1,260
12/22/2014	12/22/2014	31	35	1,317	0	28.3	42.4	71	1,246
12/23/2014	12/23/2014	32	37	1,339	0	31.7	41.7	73	1,266
12/24/2014	12/24/2014	35	40	1,370	0	35.5	43.7	79	1,291
12/25/2014	12/25/2014	36	39	1,291	0	32.9	43.2	76	1,215
12/26/2014	12/26/2014	36	41	1,424	0	31.6	44.7	76	1,348
12/27/2014	12/27/2014	50	56	1,903	0	21.6	52.6	74	1,829
12/28/2014	12/28/2014	53	57	1,905	0	25.5	55.2	81	1,824
12/29/2014	12/29/2014	67	74	2,492	0	37.5	64.6	102	2,390
12/30/2014	12/30/2014	71	79	2,742	0	41.5	64.1	106	2,636
12/31/2014	12/31/2014	61	73	2,380	0	38.6	63.3	102	2,278
1/1/2015	1/1/2015	48	53	1,879	0	40.3	58	98	1,781
1/2/2015	1/2/2015	49	53	1,791	0	35.6	49	85	1,706
1/3/2015	1/3/2015	50	58	1,843	0	21.7	53	75	1,768
1/4/2015	1/4/2015	72	84	2,856	0	34.6	73.2	108	2,748
1/5/2015	1/5/2015	70	76	2,789	0	37.6	70.8	108	2,681
1/6/2015	1/6/2015	68	81	2,759	0	37.8	72.3	110	2,649
1/7/2015	1/7/2015	70	82	2,918	0	40.9	72.3	113	2,805
1/8/2015	1/8/2015	60	76	2,734	0	41.2	70.5	112	2,622
1/9/2015	1/9/2015	68	78	2,699	0	35.5	69.4	105	2,594
1/10/2015	1/10/2015	54	60	2,299	0	28.2	59	87	2,212
1/11/2015	1/11/2015	57	63	2,197	0	29.1	57.7	87	2,110
1/12/2015	1/12/2015	71	76	2,705	0	35.7	66.3	102	2,603
1/13/2015	1/13/2015	62	69	2,255	0	33.2	59.6	93	2,162
1/14/2015	1/14/2015	44	49	1,873	0	36.3	50.7	87	1,786
1/15/2015	1/15/2015	42	46	1,606	0	23.3	46.1	69	1,537
1/16/2015	1/16/2015	37	42	1,567	0	31.9	45.4	77	1,490
1/17/2015	1/17/2015	34	40	1,437	0	17.7	43.4	61	1,376
1/18/2015	1/18/2015	39	42	1,416	0	20.9	43	64	1,352
1/19/2015	1/19/2015	35	38	1,379	0	29.6	41.1	71	1,308
1/20/2015	1/20/2015	36	39	1,469	0	30.3	41.5	72	1,397
1/21/2015	1/21/2015	40	44	1,584	0	32.3	42.7	75	1,509
1/22/2015	1/22/2015	41	48	1,729	0	34.4	43.9	78	1,651
1/23/2015	1/23/2015	37	42	1,482	0	30.3	43.4	74	1,408
1/24/2015	1/24/2015	34	37	1,209	0	15.7	39.5	55	1,154
1/25/2015	1/25/2015	40	44	1,616	0	21.8	43	65	1,551
1/26/2015	1/26/2015	32	36	1,242	0	29.8	41	71	1,171
1/27/2015	1/27/2015	38	43	1,499	0	32.4	43.3	76	1,423
1/28/2015	1/28/2015	36	42	1,534	0	32.3	44	76	1,458
1/29/2015	1/29/2015	46	54	1,897	0	32.1	48.3	80	1,817
1/30/2015	1/30/2015	49	54	1,713	0	28.6	47.6	76	1,637
1/31/2015	1/31/2015	42	48	1,749	0	22.2	48.6	71	1,678
2/1/2015	2/1/2015	62	72	2,362	0	28.7	63.9	93	2,269
2/2/2015	2/2/2015	62	68	2,306	0	33.1	60.8	94	2,212
2/3/2015	2/3/2015	56	59	2,078	0	32.3	58.2	91	1,988
2/4/2015	2/4/2015	68	76	2,411	0	31.4	63.9	95	2,316

2/5/2015	2/5/2015	61	70	2,271	0	31.2	59.2	90	2,181
2/6/2015	2/6/2015	44	48	1,670	0	30.2	49.8	80	1,590
2/7/2015	2/7/2015	35	38	1,333	0	17	43.4	60	1,273
2/8/2015	2/8/2015	38	42	1,491	0	21.5	45.7	67	1,424
2/9/2015	2/9/2015	44	47	1,628	0	30.2	47	77	1,551
2/10/2015	2/10/2015	38	46	1,820	0	32.4	47.9	80	1,740
2/11/2015	2/11/2015	58	73	2,326	0	32.1	58.7	91	2,235
2/12/2015	2/12/2015	59	65	2,315	0	32.3	59.2	92	2,224
2/13/2015	2/13/2015	51	62	2,099	0	38.1	57.4	96	2,004
2/14/2015	2/14/2015	67	76	2,553	0	29.6	67	97	2,456
2/15/2015	2/15/2015	62	69	2,417	0	29.4	64.6	94	2,323
2/16/2015	2/16/2015	55	62	2,239	0	40.4	61.5	102	2,137
2/17/2015	2/17/2015	66	77	2,558	0	35.1	64.4	100	2,459
2/18/2015	2/18/2015	73	84	2,865	0	36.9	70.5	107	2,758
2/19/2015	2/19/2015	66	73	2,421	0	30.1	65.5	96	2,325
2/20/2015	2/20/2015	48	53	1,959	0	32.4	53.9	86	1,873
2/21/2015	2/21/2015	58	67	2,254	0	26.3	56.4	83	2,171
2/22/2015	2/22/2015	73	82	2,815	0	33.9	70.6	105	2,711
2/23/2015	2/23/2015	57	69	2,289	0	32.9	59.2	92	2,197
2/24/2015	2/24/2015	45	53	1,892	0	34.1	52.7	87	1,805
2/25/2015	2/25/2015	63	70	2,343	0	32.3	61.7	94	2,249
2/26/2015	2/26/2015	70	78	2,574	0	32.3	65.6	98	2,476
2/27/2015	2/27/2015	69	75	2,441	0	28.6	62	91	2,350
2/28/2015	2/28/2015	58	66	2,209	0	23.7	58.4	82	2,127
			Max	3307	484	68	74	566	3188
			Min	818	0	12	30	43	764

		Rochester Unadj. HDD	Rochester Adj. HDD	Kenyon Through-Put	4143465 Foldcraft Co-North Plant	4263897 Ind Sch Dist 2172	4307369 Foldcraft Main Plant	4309936 Interstate Mills	Kenyon Total IT Volumes	Kenyon Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	297	4.1	7.9	21	0	33	264
12/2/2012	12/2/2012	22	25	293	4.1	15.1	26	0	45	248
12/3/2012	12/3/2012	18	21	303	3.9	20.9	45	0	70	233
12/4/2012	12/4/2012	36	40	496	4.6	28.5	64	0	97	399
12/5/2012	12/5/2012	32	38	472	8.9	25.6	63	0	98	375
12/6/2012	12/6/2012	30	33	414	7.5	25.8	59	0	92	322
12/7/2012	12/7/2012	35	38	461	5.3	22.5	43	0	71	390
12/8/2012	12/8/2012	32	35	391	4.6	12.3	2	0	19	372
12/9/2012	12/9/2012	41	47	473	5.5	27.5	27	0	60	413
12/10/2012	12/10/2012	54	59	703	7.5	42.8	83	0	133	570
12/11/2012	12/11/2012	44	48	632	9.8	34.6	78	0	122	510
12/12/2012	12/12/2012	30	36	479	6.2	29.1	60	0	95	384
12/13/2012	12/13/2012	36	38	481	6.7	29.6	40	0	76	405
12/14/2012	12/14/2012	32	36	378	7	19.9	20	0	47	331
12/15/2012	12/15/2012	29	32	352	4.6	13.6	4	0	22	330
12/16/2012	12/16/2012	40	44	525	6.7	28.1	27	0	62	463
12/17/2012	12/17/2012	41	43	579	10	35.9	83	0	129	450
12/18/2012	12/18/2012	36	39	531	8.8	32.4	78	0	119	412
12/19/2012	12/19/2012	36	40	507	7.4	30.5	72	0	110	397
12/20/2012	12/20/2012	49	61	658	8.8	42.1	65	0	116	542
12/21/2012	12/21/2012	53	58	652	7	31.2	46	0	84	568
12/22/2012	12/22/2012	44	48	571	6.3	17.5	37	0	61	510
12/23/2012	12/23/2012	48	51	603	6.9	22.7	42	0	72	531
12/24/2012	12/24/2012	55	61	675	7.6	27	45	0	80	595
12/25/2012	12/25/2012	57	62	738	6.8	28.6	62	0	97	641
12/26/2012	12/26/2012	53	55	736	6.6	27.7	76	0	110	626
12/27/2012	12/27/2012	49	52	637	7.8	27.1	53	0	88	549
12/28/2012	12/28/2012	45	49	596	6.6	20.1	71	0	98	498
12/29/2012	12/29/2012	57	63	680	6.3	27.7	45	0	79	601
12/30/2012	12/30/2012	51	58	624	8.4	25	51	0	84	540
1/1/2013	1/1/2013	61	66	743	6.7	46.2	53	0	106	637
1/2/2013	1/2/2013	48	53	674	6.5	45.2	70	0	122	552
1/3/2013	1/3/2013	51	59	684	9.4	43.6	45	0	98	586
1/4/2013	1/4/2013	47	51	588	7.1	30.4	42	0	80	509
1/5/2013	1/5/2013	47	54	614	6.2	22.7	38	0	67	547
1/6/2013	1/6/2013	48	55	627	6.8	33	54	0	94	533
1/7/2013	1/7/2013	42	46	543	7.1	37.5	56	0	101	442
1/8/2013	1/8/2013	39	45	517	7.6	32.8	57	0	97	420
1/9/2013	1/9/2013	38	43	510	6.3	29.6	75	0	111	399
1/10/2013	1/10/2013	32	36	424	6.5	27.7	33	0	67	357
1/11/2013	1/11/2013	34	39	415	5.3	22.1	29	0	56	359
1/12/2013	1/12/2013	54	62	691	6.5	23	43	0	73	619
1/13/2013	1/13/2013	57	63	798	8.8	47	60	0	116	682
1/14/2013	1/14/2013	50	55	738	11.7	48.4	69	0	129	609
1/15/2013	1/15/2013	41	48	613	9.6	37.8	66	4	117	496
1/16/2013	1/16/2013	42	47	622	6.7	38.3	70	0	115	507
1/17/2013	1/17/2013	45	50	664	10.1	38.3	59	0	107	557
1/18/2013	1/18/2013	28	32	407	5.6	19.4	25	0	50	357
1/19/2013	1/19/2013	44	53	644	6.6	23.8	38	0	68	576
1/20/2013	1/20/2013	63	73	866	9.1	52	67	0	128	738
1/21/2013	1/21/2013	69	78	1,019	12.5	64.5	100	0	177	842
1/22/2013	1/22/2013	62	67	880	11.1	54.7	85	0	151	729
1/23/2013	1/23/2013	58	67	878	9.1	51.5	90	0	151	727
1/24/2013	1/24/2013	58	66	833	9.2	49.2	73	0	131	702
1/25/2013	1/25/2013	53	60	750	8.1	38.1	44	0	90	660
1/26/2013	1/26/2013	47	54	626	6.8	27.2	28	0	62	564
1/27/2013	1/27/2013	34	37	499	5.9	29.4	35	0	70	429
1/28/2013	1/28/2013	31	34	516	5.8	34.1	85	0	125	391
1/29/2013	1/29/2013	37	44	600	5.3	31.8	131	0	168	432
1/30/2013	1/30/2013	53	65	866	8	49.3	165	0	222	644
1/31/2013	1/31/2013	69	82	1,054	17.7	59.5	147	0	224	830
2/1/2013	2/1/2013	64	70	802	10.7	43.6	47	0	101	701
2/2/2013	2/2/2013	54	59	696	7	28.6	39	0	75	621
2/3/2013	2/3/2013	54	59	711	11.6	42.6	51	0	105	606

2/4/2013	2/4/2013	50	56	693	13.6	44.4	64	0	122	571
2/5/2013	2/5/2013	47	52	676	11.7	42	65	0	119	557
2/6/2013	2/6/2013	39	43	566	7.2	33.2	60	0	100	466
2/7/2013	2/7/2013	39	44	567	6.3	35.5	32	0	74	493
2/8/2013	2/8/2013	41	46	531	5	27.8	13	0	46	485
2/9/2013	2/9/2013	36	42	482	4.6	15.9	5	0	26	457
2/10/2013	2/10/2013	33	39	473	5.8	26.8	22	0	55	418
2/11/2013	2/11/2013	43	51	633	7.4	39.1	59	0	106	528
2/12/2013	2/12/2013	38	42	515	7.4	33.4	38	0	79	436
2/13/2013	2/13/2013	34	38	455	8.9	28.9	41	0	79	376
2/14/2013	2/14/2013	45	51	586	5.6	38.2	42	0	86	500
2/15/2013	2/15/2013	55	61	660	5.8	33.4	12	0	51	609
2/16/2013	2/16/2013	51	54	615	5.8	26.3	6	0	38	577
2/17/2013	2/17/2013	41	49	512	8.2	21.5	17	0	47	465
2/18/2013	2/18/2013	46	57	726	11.4	42.7	45	0	99	627
2/19/2013	2/19/2013	65	76	934	8.7	57.9	108	0	175	759
2/20/2013	2/20/2013	56	59	770	7.5	46.2	68	0	122	648
2/21/2013	2/21/2013	49	55	663	6.9	39	57	0	103	560
2/22/2013	2/22/2013	43	47	518	5.1	14.5	28	0	48	470
2/23/2013	2/23/2013	52	56	593	4.9	21.9	33	0	60	533
2/24/2013	2/24/2013	47	49	497	6	27.1	40	0	73	424
2/25/2013	2/25/2013	35	37	525	9.8	33.5	53	0	96	429
2/26/2013	2/26/2013	35	41	480	9.5	29.7	44	0	83	397
2/27/2013	2/27/2013	34	40	475	5.7	29.2	41	0	76	399
2/28/2013	2/28/2013	40	44	519	5.2	25.5	35	0	66	453
12/1/2013	12/1/2013	35	37	414	6.3	26.9	14	0	47	367
12/2/2013	12/2/2013	30	34	521	6.7	32.8	26	106	172	350
12/3/2013	12/3/2013	31	34	570	9.5	31.2	20	157	218	352
12/4/2013	12/4/2013	43	51	648	7.6	39.6	23	80	150	498
12/5/2013	12/5/2013	60	70	906	10.2	51.9	37	101	200	706
12/6/2013	12/6/2013	64	72	834	8	42.4	23	0	73	761
12/7/2013	12/7/2013	63	67	745	0.1	32	7	0	39	706
12/8/2013	12/8/2013	59	64	698		48.4	15	0	63	635
12/9/2013	12/9/2013	60	71	821		55.2	28	0	83	738
12/10/2013	12/10/2013	61	70	776		58.3	26	0	84	692
12/11/2013	12/11/2013	64	72	821		52.7	29	0	82	739
12/12/2013	12/12/2013	49	52	639		40.5	35	0	76	564
12/13/2013	12/13/2013	48	54	643		33.6	16	0	50	593
12/14/2013	12/14/2013	58	66	699		36.1	7	0	43	656
12/15/2013	12/15/2013	61	66	740		41.5	16	0	58	683
12/16/2013	12/16/2013	46	53	672		45.3	28	12	85	587
12/17/2013	12/17/2013	47	55	723		44.3	36	82	162	561
12/18/2013	12/18/2013	36	41	515		37.5	30	0	68	448
12/19/2013	12/19/2013	45	52	629		43.8	33	0	77	552
12/20/2013	12/20/2013	46	49	596		30.2	30	0	60	536
12/21/2013	12/21/2013	45	51	603		20.4	57	0	77	526
12/22/2013	12/22/2013	59	68	800		30.5	86	0	117	684
12/23/2013	12/23/2013	73	81	963		39.1	93	0	132	831
12/24/2013	12/24/2013	61	70	827		35.3	69	0	104	723
12/25/2013	12/25/2013	46	52	687		28.8	88	0	117	570
12/26/2013	12/26/2013	43	46	625		22.7	106	0	129	496
12/27/2013	12/27/2013	35	40	484		17.6	55	0	73	411
12/28/2013	12/28/2013	42	50	496		20.4	48	0	68	428
12/29/2013	12/29/2013	70	78	937		39.4	97	0	136	801
12/30/2013	12/30/2013	70	75	1,003		40.7	139	0	180	823
1/1/2014	1/1/2014	68	75	952		56.5	104	0	161	792
1/2/2014	1/2/2014	72	78	989		59.7	107	0	167	822
1/3/2014	1/3/2014	47	58	763		41.9	62	0	104	659
1/4/2014	1/4/2014	60	70	782		34.2	58	0	92	690
1/5/2014	1/5/2014	79	95	1,047		48.5	106	0	155	893
1/6/2014	1/6/2014	81	94	1,065		61.3	132	0	193	872
1/7/2014	1/7/2014	68	73	984		53.2	113	0	166	818
1/8/2014	1/8/2014	71	77	1,007		59.5	113	0	173	835
1/9/2014	1/9/2014	52	61	821	0.2	47.7	102	0	150	671
1/10/2014	1/10/2014	38	41	556	5.9	29.1	48	0	83	473
1/11/2014	1/11/2014	39	45	567	5.1	20.8	49	0	75	492
1/12/2014	1/12/2014	31	35	456	4.9	26.9	41	0	73	383
1/13/2014	1/13/2014	36	42	474	4.9	36.4	25	0	66	408

1/14/2014	1/14/2014	55	67	691	5.7	47.4	23	0	76	615
1/15/2014	1/15/2014	49	58	641	6.1	36.7	25	0	68	573
1/16/2014	1/16/2014	48	60	718	6.3	46.8	14	0	67	651
1/17/2014	1/17/2014	58	66	689	6.7	38.6	6	0	51	638
1/18/2014	1/18/2014	49	56	588	5.5	26.3	4	0	36	552
1/19/2014	1/19/2014	35	41	444	5.1	22.6	11	0	39	405
1/20/2014	1/20/2014	59	68	769	7.2	45.5	29	0	82	687
1/21/2014	1/21/2014	68	75	846	13.3	51.8	35	0	100	746
1/22/2014	1/22/2014	71	84	936	13.5	55.9	33	0	102	834
1/23/2014	1/23/2014	66	78	902	12.4	55.4	16	0	84	818
1/24/2014	1/24/2014	46	57	586	7.2	34	4	0	45	541
1/25/2014	1/25/2014	55	64	675	4.2	17.4	3	0	25	650
1/26/2014	1/26/2014	63	81	771	0	0	0	0	0	771
1/27/2014	1/27/2014	77	89	883	0	0	0	0	0	883
1/28/2014	1/28/2014	72	82	900	9.1	48.4	23	0	81	820
1/29/2014	1/29/2014	50	60	627	10.5	39.6	27	0	77	550
1/30/2014	1/30/2014	55	64	735	6.8	50.7	22	0	80	656
1/31/2014	1/31/2014	66	71	749	7.1	39.9	9	0	56	693
2/1/2014	2/1/2014	59	67	706	6.5	30.9	5	0	42	664
2/2/2014	2/2/2014	64	70	771	7.1	48.7	17	0	73	698
2/3/2014	2/3/2014	56	60	763	9.5	50.7	28	0	88	675
2/4/2014	2/4/2014	59	68	816	11.5	52	34	0	98	719
2/5/2014	2/5/2014	70	80	916	12.6	56	41	0	110	806
2/6/2014	2/6/2014	69	79	891	13.4	57.6	33	0	104	787
2/7/2014	2/7/2014	63	70	782	10	42	8	0	60	722
2/8/2014	2/8/2014	61	65	696	5	33.1	5	0	43	653
2/9/2014	2/9/2014	70	79	843	8.2	51.2	22	0	81	762
2/10/2014	2/10/2014	73	79	918	14.5	60.5	41	0	116	802
2/11/2014	2/11/2014	63	73	794	8.4	48.6	29	0	86	708
2/12/2014	2/12/2014	49	54	635	7.4	39.5	27	0	74	561
2/13/2014	2/13/2014	49	58	752	7.6	47.2	48	0	103	649
2/14/2014	2/14/2014	61	69	706	6.8	38.3	3	0	48	658
2/15/2014	2/15/2014	53	60	652	5	31.1	2	0	38	614
2/16/2014	2/16/2014	51	60	588	6.5	27.8	11	0	45	543
2/17/2014	2/17/2014	42	47	560	7.6	31.8	25	0	64	496
2/18/2014	2/18/2014	36	40	432	5.9	32.9	18	0	57	375
2/19/2014	2/19/2014	35	39	392	5.6	21.9	19	0	47	346
2/20/2014	2/20/2014	43	53	551	6.2	28.5	35	0	70	481
2/21/2014	2/21/2014	54	65	679	6	20.7	58	0	85	594
2/22/2014	2/22/2014	59	68	706	5	32.4	58	0	95	611
2/23/2014	2/23/2014	61	71	778	6.1	44.9	81	0	132	646
2/24/2014	2/24/2014	64	72	826	8.4	53.4	83	0	145	681
2/25/2014	2/25/2014	70	81	876	8.6	55.1	32	0	96	780
2/26/2014	2/26/2014	64	79	861	8.7	57.7	24	0	90	771
2/27/2014	2/27/2014	73	80	883	8.5	57	19	0	85	799
2/28/2014	2/28/2014	58	66	725	5.8	38.8	2	0	47	678
12/1/2014	12/1/2014	57	64	777	8.8	46.5	48	0	103	674
12/2/2014	12/2/2014	45	51	858	7.6	41.1	58	190	297	561
12/3/2014	12/3/2014	47	52	834	7.1	37.5	42	214	301	533
12/4/2014	12/4/2014	39	44	668	6.2	30.4	32	176	245	423
12/5/2014	12/5/2014	40	43	462	4.5	23.1	14	0	42	420
12/6/2014	12/6/2014	37	41	439	2.1	13.1	2	0	17	422
12/7/2014	12/7/2014	34	40	435	4.3	25	15	0	44	391
12/8/2014	12/8/2014	38	44	740	6.9	36.2	30	205	278	462
12/9/2014	12/9/2014	42	45	731	6.1	34.2	36	193	269	462
12/10/2014	12/10/2014	39	42	706	6.1	30.6	40	189	266	440
12/11/2014	12/11/2014	37	40	690	5.7	29.1	37	208	280	410
12/12/2014	12/12/2014	29	32	559	4.1	20.2	10	166	200	359
12/13/2014	12/13/2014	23	26	267	0.4	7.9	1	0	9	258
12/14/2014	12/14/2014	19	21	240	2.2	15.6	12	0	30	210
12/15/2014	12/15/2014	30	34	358	5	24.8	29	0	59	299
12/16/2014	12/16/2014	47	55	624	6.6	38	44	0	89	535
12/17/2014	12/17/2014	50	53	648	7	37.8	56	0	101	547
12/18/2014	12/18/2014	45	46	586	6.8	36.5	42	0	85	501
12/19/2014	12/19/2014	39	43	469	4.8	25.3	14	0	44	425
12/20/2014	12/20/2014	34	38	414	1.8	16	3	0	21	393
12/21/2014	12/21/2014	30	36	396	4	22.5	18	0	45	352
12/22/2014	12/22/2014	31	35	421	6.1	27.8	38	0	72	349

12/23/2014	12/23/2014	32	37	417	5.5	21.6	30	0	57	360
12/24/2014	12/24/2014	35	40	390	5.3	12.4	3	0	21	369
12/25/2014	12/25/2014	36	39	385	5.3	13.7	11	0	30	355
12/26/2014	12/26/2014	36	41	421	4.2	15.6	4	0	24	397
12/27/2014	12/27/2014	50	56	562	2.8	23.9	4	0	31	531
12/28/2014	12/28/2014	53	57	577	5.5	24.4	6	0	36	541
12/29/2014	12/29/2014	67	74	795	8.1	35.3	55	0	98	697
12/30/2014	12/30/2014	71	79	882	8.6	37.4	60	0	106	776
12/31/2014	12/31/2014	61	73	763	8.5	33	47	0	89	675
1/1/2015	1/1/2015	48	53	602	7.4	28.6	36	0	72	530
1/2/2015	1/2/2015	49	53	562	5.3	21.1	33	0	59	503
1/3/2015	1/3/2015	50	58	592	3	26.1	37	0	66	526
1/4/2015	1/4/2015	72	84	916	7.2	56.2	59	0	122	794
1/5/2015	1/5/2015	70	76	909	9.5	58.8	29	0	97	812
1/6/2015	1/6/2015	68	81	910	9.1	50.1	52	0	111	799
1/7/2015	1/7/2015	70	82	925	9.7	48.5	47	0	105	820
1/8/2015	1/8/2015	60	76	866	8.9	57	30	0	96	770
1/9/2015	1/9/2015	68	78	825	7	43.5	12	0	63	763
1/10/2015	1/10/2015	54	60	709	5.1	30.7	5	0	41	668
1/11/2015	1/11/2015	57	63	724	6.5	45.4	30	0	82	642
1/12/2015	1/12/2015	71	76	929	8.8	54.5	75	0	138	791
1/13/2015	1/13/2015	62	69	765	8.4	45	51	12	116	649
1/14/2015	1/14/2015	44	49	782	7.2	37.4	47	162	254	528
1/15/2015	1/15/2015	42	46	743	6.6	33.4	30	216	286	457
1/16/2015	1/16/2015	37	42	576	4.8	23.3	8	111	147	429
1/17/2015	1/17/2015	34	40	421	1.7	17.1	2	0	21	400
1/18/2015	1/18/2015	39	42	438	4.1	24.9	17	0	46	392
1/19/2015	1/19/2015	35	38	429	6.3	28	31	0	65	364
1/20/2015	1/20/2015	36	39	478	5.6	29.8	33	0	68	410
1/21/2015	1/21/2015	40	44	525	5.8	30.7	45	0	82	444
1/22/2015	1/22/2015	41	48	541	5.9	30.9	35	0	72	469
1/23/2015	1/23/2015	37	42	425	4.3	16.6	12	0	33	392
1/24/2015	1/24/2015	34	37	358	1	17.1	2	0	20	338
1/25/2015	1/25/2015	40	44	488	4.6	26.6	5	0	36	452
1/26/2015	1/26/2015	32	36	397	6	30.7	20	0	57	340
1/27/2015	1/27/2015	38	43	474	5.6	27.5	37	0	70	404
1/28/2015	1/28/2015	36	42	522	6	28	42	29	105	417
1/29/2015	1/29/2015	46	54	586	6.1	37.3	23	0	66	520
1/30/2015	1/30/2015	49	54	503	4.9	24.5	2	0	31	472
1/31/2015	1/31/2015	42	48	524	2.6	20.7	2	0	25	499
2/1/2015	2/1/2015	62	72	728	6.2	47	19	0	72	656
2/2/2015	2/2/2015	62	68	758	8.6	49.5	43	0	101	657
2/3/2015	2/3/2015	56	59	688	7.6	44	46	0	98	590
2/4/2015	2/4/2015	68	76	762	7.4	47.8	23	0	78	684
2/5/2015	2/5/2015	61	70	703	8	43.9	11	0	63	640
2/6/2015	2/6/2015	44	48	507	5.2	29	4	0	38	469
2/7/2015	2/7/2015	35	38	404	1.9	16.7	2	0	21	383
2/8/2015	2/8/2015	38	42	465	4.3	27.8	17	0	49	416
2/9/2015	2/9/2015	44	47	526	6.9	33	42	0	82	444
2/10/2015	2/10/2015	38	46	628	6.8	33.2	93	0	133	495
2/11/2015	2/11/2015	58	73	847	7.4	44.1	137	0	189	659
2/12/2015	2/12/2015	59	65	837	8	42.9	126	0	177	660
2/13/2015	2/13/2015	51	62	688	5.6	32.8	66	0	104	584
2/14/2015	2/14/2015	67	76	841	4.8	35.3	68	0	108	733
2/15/2015	2/15/2015	62	69	837	6.7	32.7	98	0	137	700
2/16/2015	2/16/2015	55	62	813	8.5	41.6	131	0	181	632
2/17/2015	2/17/2015	66	77	932	8.4	51.1	146	0	206	727
2/18/2015	2/18/2015	73	84	1,040	8.9	54.3	161	0	224	816
2/19/2015	2/19/2015	66	73	877	9	47	123	0	179	698
2/20/2015	2/20/2015	48	53	651	5.9	27.1	64	0	97	554
2/21/2015	2/21/2015	58	67	730	4	30.3	61	0	95	635
2/22/2015	2/22/2015	73	82	979	7.7	52.2	118	0	178	801
2/23/2015	2/23/2015	57	69	847	9	43.3	144	0	196	651
2/24/2015	2/24/2015	45	53	712	7.2	40.7	127	0	175	537
2/25/2015	2/25/2015	63	70	875	7.5	47	149	0	204	672
2/26/2015	2/26/2015	70	78	929	7.9	50.3	129	0	187	742
2/27/2015	2/27/2015	69	75	841	6.1	37.5	79	0	123	718
2/28/2015	2/28/2015	58	66	746	4.8	28	68	0	101	645

Max	1065	18	65	165	216		301	893
Min	240	0	0	0	0		0	210

		Rochester Unadj. HDD	Rochester Adj. HDD	Pine Island Through-Put	4027101 Land O'Lakes Dryer	4033965 Ind Sch Dist 255	4231173 D S Manufact. Inc	4310129 Land O'Lakes Boiler	5317689 Farmers Elev Co New Dryer	5317690 P I Farmers Elev Co	Pine Island Total IT Volumes	Pine Island Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	417	514	27.5	19.4	99	0	0	47	370
12/2/2012	12/2/2012	22	25	441	415	27.2	34.1	113	0	0	61	380
12/3/2012	12/3/2012	18	21	384	469	23.8	30.2	104	0	0	54	330
12/4/2012	12/4/2012	36	40	647	378	39.4	32.2	126	0	0	72	575
12/5/2012	12/5/2012	32	38	594	534	37.9	32.4	107	0	0	70	524
12/6/2012	12/6/2012	30	33	510	466	36.5	22.1	129	0	0	59	451
12/7/2012	12/7/2012	35	38	619	554	35.6	21.9	106	0	0	58	562
12/8/2012	12/8/2012	32	35	564	478	31.5	23.3	125	0	0	55	509
12/9/2012	12/9/2012	41	47	652	570	32	36.8	111	0	0	69	583
12/10/2012	12/10/2012	54	59	895	553	49.8	38.1	131	0	0	88	807
12/11/2012	12/11/2012	44	48	810	515	44.9	35.4	124	0	0	80	730
12/12/2012	12/12/2012	30	36	598	432	36.3	33.1	112	0	0	69	529
12/13/2012	12/13/2012	36	38	646	374	38.3	24.2	127	0	0	63	584
12/14/2012	12/14/2012	32	36	531	526	33.6	22.5	104	0	0	56	475
12/15/2012	12/15/2012	29	32	520	417	32.3	22.3	117	0	0	55	465
12/16/2012	12/16/2012	40	44	728	539	41.9	35.7	110	0	0	78	650
12/17/2012	12/17/2012	41	43	737	402	44.5	35.6	143	0	0	80	657
12/18/2012	12/18/2012	36	39	666	507	41.5	34.1	113	0	0	76	590
12/19/2012	12/19/2012	36	40	648	488	39	33.5	114	0	0	73	576
12/20/2012	12/20/2012	49	61	849	517	43.2	27.3	133	0	0	71	779
12/21/2012	12/21/2012	53	58	925	540	45.9	26.5	135	0	0	72	853
12/22/2012	12/22/2012	44	48	811	581	42.9	27.7	116	0	0	71	740
12/23/2012	12/23/2012	48	51	816	126	43.3	27.7	137	0	0	71	745
12/24/2012	12/24/2012	55	61	940	0	47.1	28.8	94	0	0	76	864
12/25/2012	12/25/2012	57	62	993	44	54.7	39	100	0	0	94	899
12/26/2012	12/26/2012	53	55	998	571	57.5	46	122	0	0	104	895
12/27/2012	12/27/2012	49	52	866	451	52.3	43	139	0	0	95	771
12/28/2012	12/28/2012	45	49	789	524	45.9	30.4	115	0	0	76	713
12/29/2012	12/29/2012	57	63	925	206	46.9	30.4	134	0	0	77	848
12/30/2012	12/30/2012	51	58	818	0	48.2	30.4	72	0	0	79	739
1/1/2013	1/1/2013	61	66	1,031	0	69	43.8	102	0	0	113	918
1/2/2013	1/2/2013	48	53	861	531	47.7	39.5	133	0	0	87	774
1/3/2013	1/3/2013	51	59	921	525	50.1	38.6	133	0	0	89	832
1/4/2013	1/4/2013	47	51	833	532	44.4	38.9	129	0	0	83	750
1/5/2013	1/5/2013	47	54	832	521	42.1	38.5	127	0	0	81	751
1/6/2013	1/6/2013	48	55	828	524	46.3	39.4	125	0	0	86	742
1/7/2013	1/7/2013	42	46	752	449	46.8	36.3	136	0	0	83	669
1/8/2013	1/8/2013	39	45	672	481	41.8	35.3	116	0	0	77	595
1/9/2013	1/9/2013	38	43	668	367	41	34.4	133	0	0	75	593
1/10/2013	1/10/2013	32	36	580	484	36.8	33.4	104	0	0	70	510
1/11/2013	1/11/2013	34	39	580	446	35.1	25.7	125	0	0	61	519
1/12/2013	1/12/2013	54	62	971	572	45.1	30	126	0	0	75	896
1/13/2013	1/13/2013	57	63	1,085	522	54.8	43.8	150	0	0	99	986
1/14/2013	1/14/2013	50	55	1,003	540	57.4	43.1	139	0	0	101	903
1/15/2013	1/15/2013	41	48	803	420	47.3	36.6	125	0	0	84	719
1/16/2013	1/16/2013	42	47	811	538	42.4	0.4	121	0	0	43	768
1/17/2013	1/17/2013	45	50	885	377	48.4	38.2	154	0	0	87	798
1/18/2013	1/18/2013	28	32	582	527	36.5	23.8	117	0	0	60	522
1/19/2013	1/19/2013	44	53	913	494	43	29.4	142	0	0	72	841
1/20/2013	1/20/2013	63	73	1,166	572	57.9	45.1	149	0	0	103	1,063
1/21/2013	1/21/2013	69	78	1,370	556	87.2	42.7	177	0	0	130	1,240
1/22/2013	1/22/2013	62	67	1,129	530	58.6	43.7	164	0	0	102	1,027
1/23/2013	1/23/2013	58	67	1,160	445	60.9	42.7	169	0	0	104	1,056
1/24/2013	1/24/2013	58	66	1,110	562	56.9	41.7	149	0	0	99	1,011
1/25/2013	1/25/2013	53	60	1,041	482	53.6	32.6	161	0	0	86	955
1/26/2013	1/26/2013	47	54	862	543	43.2	35	130	0	0	78	784
1/27/2013	1/27/2013	34	37	696	421	40.5	39	139	0	0	80	617
1/28/2013	1/28/2013	31	34	634	478	42.7	34.1	127	0	0	77	557
1/29/2013	1/29/2013	37	44	705	406	43.5	0.4	135	0	0	44	661
1/30/2013	1/30/2013	53	65	1,023	575	52.7	35.6	139	0	0	88	935
1/31/2013	1/31/2013	69	82	1,311	499	60.5	40.9	179	0	0	101	1,210
2/1/2013	2/1/2013	64	70	1,093	566	55.6	33.4	151	0	0	89	1,004
2/2/2013	2/2/2013	54	59	974	450	47	32.2	159	0	0	79	895
2/3/2013	2/3/2013	54	59	953	570	49.8	42.9	147	0	0	93	860
2/4/2013	2/4/2013	50	56	900	480	51.6	38.8	158	0	0	90	810
2/5/2013	2/5/2013	47	52	875	489	47.8	35.2	141	0	0	83	792
2/6/2013	2/6/2013	39	43	758	374	40.1	34.9	144	0	0	75	683
2/7/2013	2/7/2013	39	44	773	543	42.9	36.2	129	0	0	79	694
2/8/2013	2/8/2013	41	46	714	461	39.4	27.2	144	0	0	67	647
2/9/2013	2/9/2013	36	42	721	506	34.9	29.3	113	0	0	64	657
2/10/2013	2/10/2013	33	39	675	432	37.9	38	139	0	0	76	599
2/11/2013	2/11/2013	43	51	829	527	47.4	36.8	136	0	0	84	745
2/12/2013	2/12/2013	38	42	689	436	41.5	36.5	144	0	0	78	611
2/13/2013	2/13/2013	34	38	605	524	38.1	35.1	121	0	0	73	532
2/14/2013	2/14/2013	45	51	794	451	42.8	0.4	137	0	0	43	751
2/15/2013	2/15/2013	55	61	958	539	47.1	23.8	138	0	0	71	887

2/16/2013	2/16/2013	51	54	909	543	43.3	32.7	141	0	0	76	833
2/17/2013	2/17/2013	41	49	720	492	37.9	40.2	115	0	0	78	642
2/18/2013	2/18/2013	46	57	985	503	50.6	38.1	149	0	0	89	896
2/19/2013	2/19/2013	65	76	1,174	487	62.6	41.8	169	0	0	104	1,070
2/20/2013	2/20/2013	56	59	1,010	478	55.6	43	147	0	0	99	911
2/21/2013	2/21/2013	49	55	883	517	48.8	38.4	133	0	0	87	796
2/22/2013	2/22/2013	43	47	733	488	41.3	27	134	0	0	68	665
2/23/2013	2/23/2013	52	56	871	568	41.9	31.5	128	0	0	73	798
2/24/2013	2/24/2013	47	49	684	458	40.8	39.8	141	0	0	81	603
2/25/2013	2/25/2013	35	37	676	459	41.7	35.1	127	0	0	77	599
2/26/2013	2/26/2013	35	41	647	209	40.9	34.2	100	0	0	75	572
2/27/2013	2/27/2013	34	40	661	266	40.5	31.4	97	0	0	72	589
2/28/2013	2/28/2013	40	44	741	298	41.1	32.7	125	0	0	74	667
12/1/2013	12/1/2013	35	37	675	464	37.4	39.4	126	44	0	121	554
12/2/2013	12/2/2013	30	34	814	513	40.2	34.3	120	223	0	298	517
12/3/2013	12/3/2013	31	34	684	401	39.4	32.6	140	89	0	161	523
12/4/2013	12/4/2013	43	51	799	551	45.2	34.9	141	0	0	80	719
12/5/2013	12/5/2013	60	70	1,113	522	59.2	33.3	166	0	0	93	1,021
12/6/2013	12/6/2013	64	72	1,180	609	55.7	30.8	158	0	0	87	1,094
12/7/2013	12/7/2013	63	67	1,075	516	48.9	32.2	159	0	0	81	994
12/8/2013	12/8/2013	59	64	995	559	52.5	39.8	146	0	0	92	903
12/9/2013	12/9/2013	60	71	1,174	523	63.5	45.2	168	0	0	109	1,065
12/10/2013	12/10/2013	61	70	1,317	519	61.6	46	144	204	0	312	1,005
12/11/2013	12/11/2013	64	72	1,201	444	77.5	46.9	160	0	0	124	1,077
12/12/2013	12/12/2013	49	52	917	505	50.6	36.4	134	23	0	110	807
12/13/2013	12/13/2013	48	54	947	494	46	34.3	133	0	0	80	867
12/14/2013	12/14/2013	58	66	1,045	538	45.4	35.1	138	0	0	81	965
12/15/2013	12/15/2013	61	66	1,097	520	52.1	46.6	143	0	0	99	998
12/16/2013	12/16/2013	46	53	944	509	50.9	42.1	123	0	0	93	851
12/17/2013	12/17/2013	47	55	922	387	50.1	39.3	150	0	0	89	833
12/18/2013	12/18/2013	36	41	909	529	43.2	38.1	121	171	0	252	657
12/19/2013	12/19/2013	45	52	1,152	462	45	39.4	141	256	0	340	812
12/20/2013	12/20/2013	46	49	1,002	525	42.5	32.3	124	149	0	224	778
12/21/2013	12/21/2013	45	51	817	454	39.2	31.1	134	0	0	70	747
12/22/2013	12/22/2013	59	68	1,028	565	45.1	43.2	133	0	0	88	940
12/23/2013	12/23/2013	73	81	1,433	90	53.5	41.7	161	159	1	255	1,178
12/24/2013	12/24/2013	61	70	1,096	1	50.3	40	99	0	0	90	1,006
12/25/2013	12/25/2013	46	52	894	26	44.8	42.9	90	0	0	88	806
12/26/2013	12/26/2013	43	46	842	528	46.7	37.9	122	21	0	106	736
12/27/2013	12/27/2013	35	40	715	433	37	28.8	122	6	24	96	619
12/28/2013	12/28/2013	42	50	676	485	37.3	29.2	112	0	0	67	610
12/29/2013	12/29/2013	70	78	1,249	156	52.6	46.3	157	0	0	99	1,150
12/30/2013	12/30/2013	70	75	1,261	4	56.5	40.7	93	0	0	97	1,164
1/1/2014	1/1/2014	68	75	1,244	5	69.5	46.9	106	0	0	116	1,128
1/2/2014	1/2/2014	72	78	1,320	467	77.5	48	150	0	0	126	1,195
1/3/2014	1/3/2014	47	58	1,048	484	64.8	40	133	0	0	105	943
1/4/2014	1/4/2014	60	70	1,118	462	69.7	39.3	139	0	0	109	1,009
1/5/2014	1/5/2014	79	95	1,539	33	85	49	112	0	0	134	1,405
1/6/2014	1/6/2014	81	94	1,603	4	88.9	49.8	0	0	0	139	1,464
1/7/2014	1/7/2014	68	73	1,316	419	76.8	49.3	134	0	0	126	1,190
1/8/2014	1/8/2014	71	77	1,348	417	73.8	48.8	182	0	0	123	1,225
1/9/2014	1/9/2014	52	61	1,029	532	61.9	38.2	143	0	0	100	929
1/10/2014	1/10/2014	38	41	744	432	40.1	33.4	143	0	0	74	671
1/11/2014	1/11/2014	39	45	774	520	35.3	33.6	123	0	0	69	705
1/12/2014	1/12/2014	31	35	601	427	35.1	2.2	132	0	0	37	564
1/13/2014	1/13/2014	36	42	667	512	39.4	38.2	117	0	0	78	589
1/14/2014	1/14/2014	55	67	1,004	384	47.4	40.2	172	0	0	88	916
1/15/2014	1/15/2014	49	58	939	560	45.7	40.1	141	0	0	86	853
1/16/2014	1/16/2014	48	60	1,053	476	49.4	32	156	0	0	81	972
1/17/2014	1/17/2014	58	66	1,035	551	49.3	35	140	0	0	84	951
1/18/2014	1/18/2014	49	56	871	448	43.4	31.5	139	0	0	75	796
1/19/2014	1/19/2014	35	41	675	515	40.1	32.6	122	0	0	73	602
1/20/2014	1/20/2014	59	68	1,117	510	54.7	43	154	0	0	98	1,019
1/21/2014	1/21/2014	68	75	1,203	541	56	48.1	149	0	0	104	1,099
1/22/2014	1/22/2014	71	84	1,367	309	75.6	47.8	177	0	0	123	1,244
1/23/2014	1/23/2014	66	78	1,342	478	80.3	45.8	173	0	0	126	1,216
1/24/2014	1/24/2014	46	57	921	535	47.1	36	123	0	0	83	838
1/25/2014	1/25/2014	55	64	1,054	477	48.8	31.6	122	0	0	80	974
1/26/2014	1/26/2014	63	81	1,214	185	57.6	0	24	0	0	58	1,156
1/27/2014	1/27/2014	77	89	1,313	396	4.5	0	1	0	0	5	1,309
1/28/2014	1/28/2014	72	82	1,254	366	7.5	41.5	0	0	0	49	1,205
1/29/2014	1/29/2014	50	60	916	438	55.1	45.2	0	0	0	100	816
1/30/2014	1/30/2014	55	64	1,057	472	53.6	42	0	0	0	96	961
1/31/2014	1/31/2014	66	71	1,131	517	53.8	41.7	0	0	0	96	1,036
2/1/2014	2/1/2014	59	67	1,085	519	50	40.4	0	0	0	90	995
2/2/2014	2/2/2014	64	70	1,134	517	58.4	48.1	0	0	0	107	1,028
2/3/2014	2/3/2014	56	60	1,092	524	55.8	46.2	128	0	0	102	990
2/4/2014	2/4/2014	59	68	1,146	511	56.9	45.3	145	0	0	102	1,044
2/5/2014	2/5/2014	70	80	1,306	352	60.5	47.1	183	0	0	108	1,198
2/6/2014	2/6/2014	69	79	1,270	519	60.7	44.4	156	0	0	105	1,165

2/7/2014	2/7/2014	63	70	1,181	518	55.4	38.3	153	0	0	94	1,087
2/8/2014	2/8/2014	61	65	1,098	526	51.2	37.5	133	0	0	89	1,009
2/9/2014	2/9/2014	70	79	1,228	485	60.6	49	155	0	0	110	1,118
2/10/2014	2/10/2014	73	79	1,296	510	65.6	50.5	165	0	0	116	1,180
2/11/2014	2/11/2014	63	73	1,112	265	57.1	46.4	124	0	0	104	1,009
2/12/2014	2/12/2014	49	54	908	287	48.6	39.5	107	0	0	88	820
2/13/2014	2/13/2014	49	58	1,055	300	55.6	34.1	134	0	0	90	965
2/14/2014	2/14/2014	61	69	1,074	551	52.3	35.1	137	0	0	87	987
2/15/2014	2/15/2014	53	60	999	502	47.8	33.1	135	0	0	81	918
2/16/2014	2/16/2014	51	60	872	500	44.3	43.1	139	0	0	87	785
2/17/2014	2/17/2014	42	47	849	491	45.6	36.9	136	0	0	83	767
2/18/2014	2/18/2014	36	40	658	410	41.8	35.4	128	0	0	77	581
2/19/2014	2/19/2014	35	39	583	298	35.7	34.4	123	0	0	70	513
2/20/2014	2/20/2014	43	53	798	74	38	35	92	0	0	73	725
2/21/2014	2/21/2014	54	65	947	436	46.1	31.2	133	0	0	77	870
2/22/2014	2/22/2014	59	68	959	565	47.1	34.6	133	0	0	82	877
2/23/2014	2/23/2014	61	71	1,006	470	50.3	41.2	147	0	0	92	915
2/24/2014	2/24/2014	64	72	1,068	522	53.2	43.7	140	0	0	97	971
2/25/2014	2/25/2014	70	81	1,245	451	59.8	43	184	0	0	103	1,142
2/26/2014	2/26/2014	64	79	1,234	551	60.4	43.1	151	0	0	104	1,131
2/27/2014	2/27/2014	73	80	1,284	529	61.8	45.7	168	0	0	108	1,177
2/28/2014	2/28/2014	58	66	1,096	491	52.1	41.2	143	0	0	93	1,003
12/1/2014	12/1/2014	57	64	1,130	483	50.8	42.9	161	62	0	156	974
12/2/2014	12/2/2014	45	51	1,222	483	48.2	40.3	141	288	0	377	846
12/3/2014	12/3/2014	47	52	1,160	528	46.1	38.3	126	275	0	359	801
12/4/2014	12/4/2014	39	44	917	438	40.3	27.7	138	209	0	277	640
12/5/2014	12/5/2014	40	43	693	506	37.2	23.3	118	0	0	61	633
12/6/2014	12/6/2014	37	41	702	474	35.2	25.3	124	0	0	61	642
12/7/2014	12/7/2014	34	40	661	442	35.6	35.7	122	0	0	71	590
12/8/2014	12/8/2014	38	44	851	482	42.4	31.3	126	79	0	153	698
12/9/2014	12/9/2014	42	45	1,057	407	41	33	133	257	0	331	726
12/10/2014	12/10/2014	39	42	750	493	39.2	32.9	126	0	0	72	678
12/11/2014	12/11/2014	37	40	696	491	37.4	30.7	120	0	0	68	628
12/12/2014	12/12/2014	29	32	665	478	34.3	24.6	130	52	0	111	554
12/13/2014	12/13/2014	23	26	505	495	28.5	13.6	103	71	0	113	392
12/14/2014	12/14/2014	19	21	389	410	27.8	30.8	118	0	0	59	330
12/15/2014	12/15/2014	30	34	724	470	32.5	28.3	114	186	0	247	477
12/16/2014	12/16/2014	47	55	1,018	326	41.3	32.6	142	130	0	204	814
12/17/2014	12/17/2014	50	53	909	548	43.4	35	125	0	0	78	831
12/18/2014	12/18/2014	45	46	845	493	44.5	35.6	132	0	0	80	765
12/19/2014	12/19/2014	39	43	728	485	40	29.6	130	0	0	70	658
12/20/2014	12/20/2014	34	38	666	476	32.6	29.5	106	0	0	62	604
12/21/2014	12/21/2014	30	36	609	433	34.3	33.6	129	0	0	68	541
12/22/2014	12/22/2014	31	35	602	504	36.4	28.5	110	0	0	65	537
12/23/2014	12/23/2014	32	37	613	152	36.2	28.5	127	0	0	65	548
12/24/2014	12/24/2014	35	40	624	1	33.1	21.8	69	0	0	55	569
12/25/2014	12/25/2014	36	39	604	3	32	24.9	82	0	0	57	547
12/26/2014	12/26/2014	36	41	658	452	34.5	26.3	117	0	0	61	597
12/27/2014	12/27/2014	50	56	885	538	39.5	32.5	122	0	0	72	813
12/28/2014	12/28/2014	53	57	900	466	38.4	38	148	0	0	76	824
12/29/2014	12/29/2014	67	74	1,139	545	49.9	38.5	152	0	0	88	1,051
12/30/2014	12/30/2014	71	79	1,251	464	55.1	42.1	177	0	0	97	1,154
12/31/2014	12/31/2014	61	73	1,078	491	51.2	32.2	151	0	0	83	995
1/1/2015	1/1/2015	48	53	858	526	43.3	28.5	129	0	0	72	786
1/2/2015	1/2/2015	49	53	813	479	39.9	28.4	133	0	0	68	745
1/3/2015	1/3/2015	50	58	844	490	42.9	26.4	135	0	0	69	775
1/4/2015	1/4/2015	72	84	1,338	496	84.5	43.2	145	0	0	128	1,210
1/5/2015	1/5/2015	70	76	1,347	497	79.9	44.7	165	0	0	125	1,222
1/6/2015	1/6/2015	68	81	1,305	444	76.2	40.3	161	0	0	117	1,189
1/7/2015	1/7/2015	70	82	1,368	532	84.6	45.9	151	0	0	131	1,238
1/8/2015	1/8/2015	60	76	1,251	543	60.5	42.1	143	0	0	103	1,148
1/9/2015	1/9/2015	68	78	1,246	544	56.8	32.5	137	0	0	89	1,157
1/10/2015	1/10/2015	54	60	1,085	507	47	33.1	135	0	0	80	1,005
1/11/2015	1/11/2015	57	63	1,063	510	51	43.1	137	0	0	94	969
1/12/2015	1/12/2015	71	76	1,333	553	79.9	42.8	149	0	0	123	1,210
1/13/2015	1/13/2015	62	69	1,095	401	67.3	39.9	153	0	0	107	988
1/14/2015	1/14/2015	44	49	869	474	49.8	30.4	134	0	0	80	789
1/15/2015	1/15/2015	42	46	734	507	42.8	22.6	116	0	0	65	669
1/16/2015	1/16/2015	37	42	708	39	39	20.8	95	0	0	60	648
1/17/2015	1/17/2015	34	40	658	502	33	13.8	107	0	0	47	611
1/18/2015	1/18/2015	39	42	681	492	35.2	36.2	122	0	0	71	610
1/19/2015	1/19/2015	35	38	635	454	34.5	29.4	130	0	0	64	571
1/20/2015	1/20/2015	36	39	688	434	37.5	31.6	135	0	0	69	619
1/21/2015	1/21/2015	40	44	738	507	38.9	31.9	109	0	0	71	667
1/22/2015	1/22/2015	41	48	786	470	39.6	31.9	128	0	0	72	715
1/23/2015	1/23/2015	37	42	686	492	36	26.3	107	0	0	62	624
1/24/2015	1/24/2015	34	37	567	452	31.2	17	113	0	0	48	519
1/25/2015	1/25/2015	40	44	750	491	36.6	36.6	126	0	0	73	677
1/26/2015	1/26/2015	32	36	568	474	34.7	29.7	116	0	0	64	504
1/27/2015	1/27/2015	38	43	690	404	37.1	31.5	138	0	0	69	621

1/28/2015	1/28/2015	36	42	694	447	38.5	29.6	123	0	0	68	626
1/29/2015	1/29/2015	46	54	871	506	42.8	32.3	116	0	0	75	796
1/30/2015	1/30/2015	49	54	795	451	39.9	29	136	0	0	69	726
1/31/2015	1/31/2015	42	48	812	507	36.6	24.1	110	0	0	61	751
2/1/2015	2/1/2015	62	72	1,086	460	48	39	136	0	0	87	999
2/2/2015	2/2/2015	62	68	1,072	495	51.7	39.3	144	0	0	91	981
2/3/2015	2/3/2015	56	59	979	421	48.7	37.9	134	0	0	87	892
2/4/2015	2/4/2015	68	76	1,200	512	53.2	38.6	143	0	0	92	1,108
2/5/2015	2/5/2015	61	70	1,051	482	50.2	38.5	131	0	0	89	962
2/6/2015	2/6/2015	44	48	786	529	42	31	127	0	0	73	713
2/7/2015	2/7/2015	35	38	644	457	34.4	25.7	121	0	0	60	584
2/8/2015	2/8/2015	38	42	697	463	37.1	26.5	121	0	0	64	633
2/9/2015	2/9/2015	44	47	763	477	40.9	34.7	127	0	0	76	687
2/10/2015	2/10/2015	38	46	815	400	42.2	32	136	0	0	74	741
2/11/2015	2/11/2015	58	73	1,058	556	51	35.7	134	0	0	87	971
2/12/2015	2/12/2015	59	65	1,083	427	51.1	34.6	153	0	0	86	997
2/13/2015	2/13/2015	51	62	968	537	46.6	28.6	127	0	0	75	893
2/14/2015	2/14/2015	67	76	1,171	530	47.8	31.3	141	0	0	79	1,092
2/15/2015	2/15/2015	62	69	1,102	508	48.1	41.1	143	0	0	89	1,013
2/16/2015	2/16/2015	55	62	1,006	525	48.9	37	131	0	0	86	920
2/17/2015	2/17/2015	66	77	1,182	414	57.1	39.8	172	0	0	97	1,085
2/18/2015	2/18/2015	73	84	1,341	551	61.7	43.1	151	0	0	105	1,236
2/19/2015	2/19/2015	66	73	1,141	520	55.6	38.1	149	0	0	94	1,047
2/20/2015	2/20/2015	48	53	944	488	46.1	30.8	139	0	0	77	867
2/21/2015	2/21/2015	58	67	1,041	555	44.4	29.6	133	0	0	74	967
2/22/2015	2/22/2015	73	82	1,296	517	55.9	44	175	0	0	100	1,196
2/23/2015	2/23/2015	57	69	1,079	524	53.3	42.1	141	0	0	95	984
2/24/2015	2/24/2015	45	53	923	317	51.3	38.3	168	0	0	90	833
2/25/2015	2/25/2015	63	70	1,124	553	50.2	39.4	148	0	0	90	1,034
2/26/2015	2/26/2015	70	78	1,229	561	53.9	41.7	151	0	0	96	1,133
2/27/2015	2/27/2015	69	75	1,178	471	50.1	33.4	163	0	0	84	1,095
2/28/2015	2/28/2015	58	66	1,027	538	43.4	30.3	139	0	0	74	953
			Max	1603	609	89	51	184	288	24	377	1464
			Min	384	0	5	0	0	0	0	5	330

		Rochester Unadj. HDD	Rochester Adj. HDD	Wanamingo Through-Put	4012991 AG Partners	Wanamingo Total IT Volumes	Wanamingo Throughput Less IT Volumes	
1/18/2013	1/18/2013	28	32	204	0	0	204	Friday
1/19/2013	1/19/2013	44	53	351	0	0	351	Saturday
1/20/2013	1/20/2013	63	73	445	0	0	445	Sunday
1/21/2013	1/21/2013	69	78	517	0	0	517	Monday
1/22/2013	1/22/2013	62	67	425	0	0	425	Tuesday
1/23/2013	1/23/2013	58	67	446	0	0	446	Wednesday
1/24/2013	1/24/2013	58	66	416	0	0	416	Thursday
1/25/2013	1/25/2013	53	60	395	0	0	395	Friday
1/26/2013	1/26/2013	47	54	318	0	0	318	Saturday
1/27/2013	1/27/2013	34	37	251	0	0	251	Sunday
1/28/2013	1/28/2013	31	34	239	0	0	239	Monday
1/29/2013	1/29/2013	37	44	259	0	0	259	Tuesday
1/30/2013	1/30/2013	53	65	388	0	0	388	Wednesday
1/31/2013	1/31/2013	69	82	500	0	0	500	Thursday
2/1/2013	2/1/2013	64	70	417	0	0	417	Friday
2/2/2013	2/2/2013	54	59	373	0	0	373	Saturday
2/3/2013	2/3/2013	54	59	362	0	0	362	Sunday
2/4/2013	2/4/2013	50	56	331	0	0	331	Monday
2/5/2013	2/5/2013	47	52	333	0	0	333	Tuesday
2/6/2013	2/6/2013	39	43	281	0	0	281	Wednesday
2/7/2013	2/7/2013	39	44	287	0	0	287	Thursday
2/8/2013	2/8/2013	41	46	264	0	0	264	Friday
2/9/2013	2/9/2013	36	42	264	0	0	264	Saturday
2/10/2013	2/10/2013	33	39	241	0	0	241	Sunday
2/11/2013	2/11/2013	43	51	316	0	0	316	Monday
2/12/2013	2/12/2013	38	42	263	0	0	263	Tuesday
2/13/2013	2/13/2013	34	38	222	0	0	222	Wednesday
2/14/2013	2/14/2013	45	51	303	0	0	303	Thursday
2/15/2013	2/15/2013	55	61	367	0	0	367	Friday
2/16/2013	2/16/2013	51	54	350	0	0	350	Saturday
2/17/2013	2/17/2013	41	49	268	0	0	268	Sunday
2/18/2013	2/18/2013	46	57	378	0	0	378	Monday
2/19/2013	2/19/2013	65	76	453	0	0	453	Tuesday
2/20/2013	2/20/2013	56	59	382	0	0	382	Wednesday
2/21/2013	2/21/2013	49	55	332	0	0	332	Thursday
2/22/2013	2/22/2013	43	47	271	0	0	271	Friday
2/23/2013	2/23/2013	52	56	325	0	0	325	Saturday
2/24/2013	2/24/2013	47	49	248	0	0	248	Sunday
2/25/2013	2/25/2013	35	37	252	0	0	252	Monday
2/26/2013	2/26/2013	35	41	234	0	0	234	Tuesday
2/27/2013	2/27/2013	34	40	241	0	0	241	Wednesday
2/28/2013	2/28/2013	40	44	270	0	0	270	Thursday
12/1/2013	12/1/2013	35	37	254	0	0	254	Sunday
12/2/2013	12/2/2013	30	34	362	0	0	362	Monday
12/3/2013	12/3/2013	31	34	337	0	0	337	Tuesday
12/4/2013	12/4/2013	43	51	303	0	0	303	Wednesday
12/5/2013	12/5/2013	60	70	424	1	1	423	Thursday
12/6/2013	12/6/2013	64	72	457	0	0	457	Friday
12/7/2013	12/7/2013	63	67	411	0	0	411	Saturday
12/8/2013	12/8/2013	59	64	385	1	1	384	Sunday
12/9/2013	12/9/2013	60	71	442	0	0	442	Monday
12/10/2013	12/10/2013	61	70	415	0	0	415	Tuesday
12/12/2013	12/12/2013	49	52	340	47	47	293	Thursday
12/13/2013	12/13/2013	48	54	504	146	146	358	Friday
12/14/2013	12/14/2013	58	66	414	24	24	390	Saturday
12/15/2013	12/15/2013	61	66	434	22	22	412	Sunday
12/16/2013	12/16/2013	46	53	513	159	159	354	Monday
12/17/2013	12/17/2013	47	55	349	9	9	340	Tuesday
12/18/2013	12/18/2013	36	41	274	0	0	274	Wednesday
12/19/2013	12/19/2013	45	52	331	0	0	331	Thursday
12/20/2013	12/20/2013	46	49	311	0	0	311	Friday
12/21/2013	12/21/2013	45	51	302	0	0	302	Saturday
12/22/2013	12/22/2013	59	68	396	0	0	396	Sunday
12/23/2013	12/23/2013	73	81	486	0	0	486	Monday
12/24/2013	12/24/2013	61	70	412	0	0	412	Tuesday
12/25/2013	12/25/2013	46	52	328	0	0	328	Wednesday
12/26/2013	12/26/2013	43	46	308	0	0	308	Thursday
12/27/2013	12/27/2013	35	40	347	90	90	257	Friday

12/28/2013	12/28/2013	42	50	253	3	3	250	Saturday
12/29/2013	12/29/2013	70	78	477	0	0	477	Sunday
12/30/2013	12/30/2013	70	75	484	0	0	484	Monday
1/1/2014	1/1/2014	68	75	457	0	0	457	Wednesday
1/2/2014	1/2/2014	72	78	488	0	0	488	Thursday
1/3/2014	1/3/2014	47	58	385	0	0	385	Friday
1/4/2014	1/4/2014	60	70	400	0	0	400	Saturday
1/5/2014	1/5/2014	79	95	562	0	0	562	Sunday
1/6/2014	1/6/2014	81	94	589	0	0	589	Monday
1/7/2014	1/7/2014	68	73	492	0	0	492	Tuesday
1/8/2014	1/8/2014	71	77	498	0	0	498	Wednesday
1/9/2014	1/9/2014	52	61	372	0	0	372	Thursday
1/10/2014	1/10/2014	38	41	272	0	0	272	Friday
1/11/2014	1/11/2014	39	45	284	0	0	284	Saturday
1/12/2014	1/12/2014	31	35	223	0	0	223	Sunday
1/13/2014	1/13/2014	36	42	326	72	72	254	Monday
1/14/2014	1/14/2014	55	67	513	131	131	382	Tuesday
1/15/2014	1/15/2014	49	58	341	0	0	341	Wednesday
1/16/2014	1/16/2014	48	60	441	41	41	400	Thursday
1/17/2014	1/17/2014	58	66	388	0	0	388	Friday
1/18/2014	1/18/2014	49	56	326	0	0	326	Saturday
1/19/2014	1/19/2014	35	41	244	0	0	244	Sunday
1/20/2014	1/20/2014	59	68	412	0	0	412	Monday
1/21/2014	1/21/2014	68	75	443	0	0	443	Tuesday
1/22/2014	1/22/2014	71	84	497	0	0	497	Wednesday
1/23/2014	1/23/2014	66	78	490	0	0	490	Thursday
1/24/2014	1/24/2014	46	57	388	57	57	331	Friday
1/25/2014	1/25/2014	55	64	390	0	0	390	Saturday
1/26/2014	1/26/2014	63	81	446	0	0	446	Sunday
1/27/2014	1/27/2014	77	89	511	0	0	511	Monday
1/28/2014	1/28/2014	72	82	489	0	0	489	Tuesday
1/29/2014	1/29/2014	50	60	330	0	0	330	Wednesday
1/30/2014	1/30/2014	55	64	403	0	0	403	Thursday
1/31/2014	1/31/2014	66	71	415	0	0	415	Friday
2/1/2014	2/1/2014	59	67	398	0	0	398	Saturday
2/2/2014	2/2/2014	64	70	414	0	0	414	Sunday
2/3/2014	2/3/2014	56	60	413	0	0	413	Monday
2/4/2014	2/4/2014	59	68	427	0	0	427	Tuesday
2/5/2014	2/5/2014	70	80	474	0	0	474	Wednesday
2/6/2014	2/6/2014	69	79	481	0	0	481	Thursday
2/7/2014	2/7/2014	63	70	444	0	0	444	Friday
2/8/2014	2/8/2014	61	65	402	0	0	402	Saturday
2/9/2014	2/9/2014	70	79	459	0	0	459	Sunday
2/10/2014	2/10/2014	73	79	487	0	0	487	Monday
2/11/2014	2/11/2014	63	73	411	0	0	411	Tuesday
2/12/2014	2/12/2014	49	54	332	0	0	332	Wednesday
2/13/2014	2/13/2014	49	58	396	0	0	396	Thursday
2/14/2014	2/14/2014	61	69	400	0	0	400	Friday
2/15/2014	2/15/2014	53	60	365	0	0	365	Saturday
2/16/2014	2/16/2014	51	60	322	0	0	322	Sunday
2/17/2014	2/17/2014	42	47	312	0	0	312	Monday
2/18/2014	2/18/2014	36	40	236	0	0	236	Tuesday
2/19/2014	2/19/2014	35	39	214	0	0	214	Wednesday
2/20/2014	2/20/2014	43	53	297	0	0	297	Thursday
2/21/2014	2/21/2014	54	65	362	0	0	362	Friday
2/22/2014	2/22/2014	59	68	367	0	0	367	Saturday
2/23/2014	2/23/2014	61	71	383	0	0	383	Sunday
2/24/2014	2/24/2014	64	72	412	0	0	412	Monday
2/25/2014	2/25/2014	70	81	475	0	0	475	Tuesday
2/26/2014	2/26/2014	64	79	475	0	0	475	Wednesday
2/27/2014	2/27/2014	73	80	485	0	0	485	Thursday
2/28/2014	2/28/2014	58	66	409	0	0	409	Friday
12/1/2014	12/1/2014	57	64	404	0	0	404	Monday
12/2/2014	12/2/2014	45	51	401	57	57	344	Tuesday
12/3/2014	12/3/2014	47	52	380	50	50	330	Wednesday
12/4/2014	12/4/2014	39	44	376	115	115	261	Thursday
12/5/2014	12/5/2014	40	43	250	0	0	250	Friday
12/6/2014	12/6/2014	37	41	260	0	0	260	Saturday
12/7/2014	12/7/2014	34	40	235	0	0	235	Sunday
12/8/2014	12/8/2014	38	44	275	0	0	275	Monday
12/9/2014	12/9/2014	42	45	286	0	0	286	Tuesday
12/10/2014	12/10/2014	39	42	271	0	0	271	Wednesday

12/11/2014	12/11/2014	37	40	245	0	0	245	Thursday
12/12/2014	12/12/2014	29	32	214	0	0	214	Friday
12/13/2014	12/13/2014	23	26	153	0	0	153	Saturday
12/14/2014	12/14/2014	19	21	129	0	0	129	Sunday
12/15/2014	12/15/2014	30	34	189	0	0	189	Monday
12/16/2014	12/16/2014	47	55	324	0	0	324	Tuesday
12/17/2014	12/17/2014	50	53	334	0	0	334	Wednesday
12/18/2014	12/18/2014	45	46	306	0	0	306	Thursday
12/19/2014	12/19/2014	39	43	255	0	0	255	Friday
12/20/2014	12/20/2014	34	38	232	0	0	232	Saturday
12/21/2014	12/21/2014	30	36	219	0	0	219	Sunday
12/22/2014	12/22/2014	31	35	213	0	0	213	Monday
12/23/2014	12/23/2014	32	37	212	0	0	212	Tuesday
12/24/2014	12/24/2014	35	40	218	0	0	218	Wednesday
12/25/2014	12/25/2014	36	39	210	0	0	210	Thursday
12/26/2014	12/26/2014	36	41	323	81	81	242	Friday
12/27/2014	12/27/2014	50	56	327	0	0	327	Saturday
12/28/2014	12/28/2014	53	57	334	0	0	334	Sunday
12/29/2014	12/29/2014	67	74	425	0	0	425	Monday
12/30/2014	12/30/2014	71	79	466	0	0	466	Tuesday
12/31/2014	12/31/2014	61	73	411	1	1	410	Wednesday
1/1/2015	1/1/2015	48	53	324	0	0	324	Thursday
1/2/2015	1/2/2015	49	53	303	0	0	303	Friday
1/3/2015	1/3/2015	50	58	315	0	0	315	Saturday
1/4/2015	1/4/2015	72	84	484	0	0	484	Sunday
1/5/2015	1/5/2015	70	76	501	0	0	501	Monday
1/6/2015	1/6/2015	68	81	483	0	0	483	Tuesday
1/7/2015	1/7/2015	70	82	499	0	0	499	Wednesday
1/8/2015	1/8/2015	60	76	473	0	0	473	Thursday
1/9/2015	1/9/2015	68	78	470	0	0	470	Friday
1/10/2015	1/10/2015	54	60	404	0	0	404	Saturday
1/11/2015	1/11/2015	57	63	392	0	0	392	Sunday
1/12/2015	1/12/2015	71	76	490	0	0	490	Monday
1/13/2015	1/13/2015	62	69	400	0	0	400	Tuesday
1/14/2015	1/14/2015	44	49	325	0	0	325	Wednesday
1/15/2015	1/15/2015	42	46	315	0	0	315	Thursday
1/16/2015	1/16/2015	37	42	345	31	31	314	Friday
1/17/2015	1/17/2015	34	40	291	0	0	291	Saturday
1/18/2015	1/18/2015	39	42	296	0	0	296	Sunday
1/19/2015	1/19/2015	35	38	277	0	0	277	Monday
1/20/2015	1/20/2015	36	39	295	0	0	295	Tuesday
1/21/2015	1/21/2015	40	44	309	0	0	309	Wednesday
1/22/2015	1/22/2015	41	48	330	0	0	330	Thursday
1/23/2015	1/23/2015	37	42	279	0	0	279	Friday
1/24/2015	1/24/2015	34	37	243	0	0	243	Saturday
1/25/2015	1/25/2015	40	44	309	0	0	309	Sunday
1/26/2015	1/26/2015	32	36	234	0	0	234	Monday
1/27/2015	1/27/2015	38	43	276	0	0	276	Tuesday
1/28/2015	1/28/2015	36	42	278	0	0	278	Wednesday
1/29/2015	1/29/2015	46	54	336	0	0	336	Thursday
1/30/2015	1/30/2015	49	54	336	0	0	336	Friday
1/31/2015	1/31/2015	42	48	357	0	0	357	Saturday
2/1/2015	2/1/2015	62	72	455	0	0	455	Sunday
2/2/2015	2/2/2015	62	68	442	0	0	442	Monday
2/3/2015	2/3/2015	56	59	373	0	0	373	Tuesday
2/4/2015	2/4/2015	68	76	461	0	0	461	Wednesday
2/5/2015	2/5/2015	61	70	409	0	0	409	Thursday
2/6/2015	2/6/2015	44	48	315	0	0	315	Friday
2/7/2015	2/7/2015	35	38	256	0	0	256	Saturday
2/8/2015	2/8/2015	38	42	272	0	0	272	Sunday
2/9/2015	2/9/2015	44	47	313	0	0	313	Monday
2/10/2015	2/10/2015	38	46	327	0	0	327	Tuesday
2/11/2015	2/11/2015	58	73	423	0	0	423	Wednesday
2/12/2015	2/12/2015	59	65	435	0	0	435	Thursday
2/13/2015	2/13/2015	51	62	395	0	0	395	Friday
2/14/2015	2/14/2015	67	76	480	0	0	480	Saturday
2/15/2015	2/15/2015	62	69	450	0	0	450	Sunday
2/16/2015	2/16/2015	55	62	421	0	0	421	Monday
2/17/2015	2/17/2015	66	77	480	0	0	480	Tuesday
2/18/2015	2/18/2015	73	84	531	0	0	531	Wednesday
2/19/2015	2/19/2015	66	73	468	0	0	468	Thursday
2/20/2015	2/20/2015	48	53	372	0	0	372	Friday

2/21/2015	2/21/2015	58	67	418	0		0	418	Saturday
2/22/2015	2/22/2015	73	82	519	0		0	519	Sunday
2/23/2015	2/23/2015	57	69	420	0		0	420	Monday
2/24/2015	2/24/2015	45	53	351	0		0	351	Tuesday
2/25/2015	2/25/2015	63	70	435	0		0	435	Wednesday
2/26/2015	2/26/2015	70	78	472	0		0	472	Thursday
2/27/2015	2/27/2015	69	75	456	0		0	456	Friday
2/28/2015	2/28/2015	58	66	407	0		0	407	Saturday
			Max	589	159	0	159	589	
			Min	129	0	0	0	129	

This data is not representative of the most current and therefore was removed from Regression Analysis

12/1/2012	12/1/2012	24	26	68	0		0	68	Saturday
12/2/2012	12/2/2012	22	25	70	0		0	70	Sunday
12/3/2012	12/3/2012	18	21	63	0		0	63	Monday
12/4/2012	12/4/2012	36	40	113	0		0	113	Tuesday
12/5/2012	12/5/2012	32	38	102	0		0	102	Wednesday
12/6/2012	12/6/2012	30	33	89	0		0	89	Thursday
12/7/2012	12/7/2012	35	38	105	0		0	105	Friday
12/8/2012	12/8/2012	32	35	100	0		0	100	Saturday
12/9/2012	12/9/2012	41	47	117	0		0	117	Sunday
12/10/2012	12/10/2012	54	59	164	0		0	164	Monday
12/11/2012	12/11/2012	44	48	145	0		0	145	Tuesday
12/12/2012	12/12/2012	30	36	103	0		0	103	Wednesday
12/13/2012	12/13/2012	36	38	114	0		0	114	Thursday
12/14/2012	12/14/2012	32	36	92	0		0	92	Friday
12/15/2012	12/15/2012	29	32	90	0		0	90	Saturday
12/16/2012	12/16/2012	40	44	127	0		0	127	Sunday
12/17/2012	12/17/2012	41	43	128	0		0	128	Monday
12/18/2012	12/18/2012	36	39	116	0		0	116	Tuesday
12/19/2012	12/19/2012	36	40	111	0		0	111	Wednesday
12/20/2012	12/20/2012	49	61	154	0		0	154	Thursday
12/21/2012	12/21/2012	53	58	165	0		0	165	Friday
12/22/2012	12/22/2012	44	48	146	0		0	146	Saturday
12/23/2012	12/23/2012	48	51	151	0		0	151	Sunday
12/24/2012	12/24/2012	55	61	167	0		0	167	Monday
12/25/2012	12/25/2012	57	62	179	0		0	179	Tuesday
12/26/2012	12/26/2012	53	55	178	0		0	178	Wednesday
12/27/2012	12/27/2012	49	52	157	0		0	157	Thursday
12/28/2012	12/28/2012	45	49	142	0		0	142	Friday
12/29/2012	12/29/2012	57	63	171	0		0	171	Saturday
12/30/2012	12/30/2012	51	58	149	0		0	149	Sunday
1/1/2013	1/1/2013	61	66	176	0		0	176	Tuesday
1/2/2013	1/2/2013	48	53	154	0		0	154	Wednesday
1/3/2013	1/3/2013	51	59	168	0		0	168	Thursday
1/4/2013	1/4/2013	47	51	149	0		0	149	Friday
1/5/2013	1/5/2013	47	54	152	0		0	152	Saturday
1/6/2013	1/6/2013	48	55	153	0		0	153	Sunday
1/7/2013	1/7/2013	42	46	132	0		0	132	Monday
1/8/2013	1/8/2013	39	45	119	0		0	119	Tuesday
1/9/2013	1/9/2013	38	43	111	0		0	111	Wednesday
1/10/2013	1/10/2013	32	36	98	0		0	98	Thursday
1/11/2013	1/11/2013	34	39	96	0		0	96	Friday
1/12/2013	1/12/2013	54	62	176	0		0	176	Saturday
1/13/2013	1/13/2013	57	63	193	0		0	193	Sunday
1/14/2013	1/14/2013	50	55	180	0		0	180	Monday
1/15/2013	1/15/2013	41	48	144	0		0	144	Tuesday
1/16/2013	1/16/2013	42	47	145	0		0	145	Wednesday
1/17/2013	1/17/2013	45	50	155	0		0	155	Thursday
12/11/2013	12/11/2013	64	72	456	346		346	110	Wednesday

		Rochester Unadj. HDD	Rochester Adj. HDD	West Concord Through-Put	West Concord Total IT Volumes	West Concord Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	132	0	132
12/2/2012	12/2/2012	22	25	119	0	119
12/3/2012	12/3/2012	18	21	114	0	114
12/4/2012	12/4/2012	36	40	186	0	186
12/5/2012	12/5/2012	32	38	186	0	186
12/6/2012	12/6/2012	30	33	148	0	148
12/7/2012	12/7/2012	35	38	183	0	183
12/8/2012	12/8/2012	32	35	172	0	172
12/9/2012	12/9/2012	41	47	195	0	195
12/10/2012	12/10/2012	54	59	276	0	276
12/11/2012	12/11/2012	44	48	239	0	239
12/12/2012	12/12/2012	30	36	195	0	195
12/13/2012	12/13/2012	36	38	203	0	203
12/14/2012	12/14/2012	32	36	164	0	164
12/15/2012	12/15/2012	29	32	152	0	152
12/16/2012	12/16/2012	40	44	216	0	216
12/17/2012	12/17/2012	41	43	211	0	211
12/18/2012	12/18/2012	36	39	197	0	197
12/19/2012	12/19/2012	36	40	197	0	197
12/20/2012	12/20/2012	49	61	262	0	262
12/21/2012	12/21/2012	53	58	274	0	274
12/22/2012	12/22/2012	44	48	247	0	247
12/23/2012	12/23/2012	48	51	253	0	253
12/24/2012	12/24/2012	55	61	282	0	282
12/25/2012	12/25/2012	57	62	305	0	305
12/26/2012	12/26/2012	53	55	296	0	296
12/27/2012	12/27/2012	49	52	263	0	263
12/28/2012	12/28/2012	45	49	240	0	240
12/29/2012	12/29/2012	57	63	281	0	281
12/30/2012	12/30/2012	51	58	266	0	266
1/1/2013	1/1/2013	61	66	300	0	300
1/2/2013	1/2/2013	48	53	267	0	267
1/3/2013	1/3/2013	51	59	288	0	288
1/4/2013	1/4/2013	47	51	251	0	251
1/5/2013	1/5/2013	47	54	260	0	260
1/6/2013	1/6/2013	48	55	265	0	265
1/7/2013	1/7/2013	42	46	222	0	222
1/8/2013	1/8/2013	39	45	208	0	208
1/9/2013	1/9/2013	38	43	203	0	203
1/10/2013	1/10/2013	32	36	175	0	175
1/11/2013	1/11/2013	34	39	178	0	178
1/12/2013	1/12/2013	54	62	294	0	294
1/13/2013	1/13/2013	57	63	327	0	327
1/14/2013	1/14/2013	50	55	292	0	292
1/15/2013	1/15/2013	41	48	257	0	257
1/16/2013	1/16/2013	42	47	255	0	255
1/17/2013	1/17/2013	45	50	273	0	273

1/18/2013	1/18/2013	28	32	188		0	188
1/19/2013	1/19/2013	44	53	275		0	275
1/20/2013	1/20/2013	63	73	358		0	358
1/21/2013	1/21/2013	69	78	406		0	406
1/22/2013	1/22/2013	62	67	353		0	353
1/23/2013	1/23/2013	58	67	351		0	351
1/24/2013	1/24/2013	58	66	345		0	345
1/25/2013	1/25/2013	53	60	319		0	319
1/26/2013	1/26/2013	47	54	278		0	278
1/27/2013	1/27/2013	34	37	213		0	213
1/28/2013	1/28/2013	31	34	193		0	193
1/29/2013	1/29/2013	37	44	216		0	216
1/30/2013	1/30/2013	53	65	322		0	322
1/31/2013	1/31/2013	69	82	404		0	404
2/1/2013	2/1/2013	64	70	344		0	344
2/2/2013	2/2/2013	54	59	298		0	298
2/3/2013	2/3/2013	54	59	297		0	297
2/4/2013	2/4/2013	50	56	284		0	284
2/5/2013	2/5/2013	47	52	261		0	261
2/6/2013	2/6/2013	39	43	220		0	220
2/7/2013	2/7/2013	39	44	234		0	234
2/8/2013	2/8/2013	41	46	230		0	230
2/9/2013	2/9/2013	36	42	229		0	229
2/10/2013	2/10/2013	33	39	204		0	204
2/11/2013	2/11/2013	43	51	260		0	260
2/12/2013	2/12/2013	38	42	213		0	213
2/13/2013	2/13/2013	34	38	188		0	188
2/14/2013	2/14/2013	45	51	243		0	243
2/15/2013	2/15/2013	55	61	291		0	291
2/16/2013	2/16/2013	51	54	272		0	272
2/17/2013	2/17/2013	41	49	236		0	236
2/18/2013	2/18/2013	46	57	310		0	310
2/19/2013	2/19/2013	65	76	376		0	376
2/20/2013	2/20/2013	56	59	318		0	318
2/21/2013	2/21/2013	49	55	276		0	276
2/22/2013	2/22/2013	43	47	227		0	227
2/23/2013	2/23/2013	52	56	252		0	252
2/24/2013	2/24/2013	47	49	203		0	203
2/25/2013	2/25/2013	35	37	207		0	207
2/26/2013	2/26/2013	35	41	196		0	196
2/27/2013	2/27/2013	34	40	201		0	201
2/28/2013	2/28/2013	40	44	217		0	217
12/1/2013	12/1/2013	35	37	171		0	171
12/2/2013	12/2/2013	30	34	170		0	170
12/3/2013	12/3/2013	31	34	169		0	169
12/4/2013	12/4/2013	43	51	237		0	237
12/5/2013	12/5/2013	60	70	334		0	334
12/6/2013	12/6/2013	64	72	365		0	365
12/7/2013	12/7/2013	63	67	328		0	328
12/8/2013	12/8/2013	59	64	298		0	298
12/9/2013	12/9/2013	60	71	358		0	358

12/10/2013	12/10/2013	61	70	335	0	335
12/11/2013	12/11/2013	64	72	358	0	358
12/12/2013	12/12/2013	49	52	277	0	277
12/13/2013	12/13/2013	48	54	287	0	287
12/14/2013	12/14/2013	58	66	305	0	305
12/15/2013	12/15/2013	61	66	320	0	320
12/16/2013	12/16/2013	46	53	285	0	285
12/17/2013	12/17/2013	47	55	271	0	271
12/18/2013	12/18/2013	36	41	222	0	222
12/19/2013	12/19/2013	45	52	270	0	270
12/20/2013	12/20/2013	46	49	255	0	255
12/21/2013	12/21/2013	45	51	247	0	247
12/22/2013	12/22/2013	59	68	318	0	318
12/23/2013	12/23/2013	73	81	386	0	386
12/24/2013	12/24/2013	61	70	346	0	346
12/25/2013	12/25/2013	46	52	266	0	266
12/26/2013	12/26/2013	43	46	237	0	237
12/27/2013	12/27/2013	35	40	206	0	206
12/28/2013	12/28/2013	42	50	209	0	209
12/29/2013	12/29/2013	70	78	371	0	371
12/30/2013	12/30/2013	70	75	376	0	376
1/1/2014	1/1/2014	68	75	364	0	364
1/2/2014	1/2/2014	72	78	382	0	382
1/3/2014	1/3/2014	47	58	332	0	332
1/4/2014	1/4/2014	60	70	326	0	326
1/5/2014	1/5/2014	79	95	447	0	447
1/6/2014	1/6/2014	81	94	478	0	478
1/7/2014	1/7/2014	68	73	382	0	382
1/8/2014	1/8/2014	71	77	388	0	388
1/9/2014	1/9/2014	52	61	325	0	325
1/10/2014	1/10/2014	38	41	233	0	233
1/11/2014	1/11/2014	39	45	243	0	243
1/12/2014	1/12/2014	31	35	192	0	192
1/13/2014	1/13/2014	36	42	206	0	206
1/14/2014	1/14/2014	55	67	305	0	305
1/15/2014	1/15/2014	49	58	290	0	290
1/16/2014	1/16/2014	48	60	324	0	324
1/17/2014	1/17/2014	58	66	322	0	322
1/18/2014	1/18/2014	49	56	274	0	274
1/19/2014	1/19/2014	35	41	205	0	205
1/20/2014	1/20/2014	59	68	329	0	329
1/21/2014	1/21/2014	68	75	364	0	364
1/22/2014	1/22/2014	71	84	413	0	413
1/23/2014	1/23/2014	66	78	412	0	412
1/24/2014	1/24/2014	46	57	278	0	278
1/25/2014	1/25/2014	55	64	321	0	321
1/26/2014	1/26/2014	63	81	379	0	379
1/27/2014	1/27/2014	77	89	431	0	431
1/28/2014	1/28/2014	72	82	406	0	406
1/29/2014	1/29/2014	50	60	294	0	294
1/30/2014	1/30/2014	55	64	319	0	319

1/31/2014	1/31/2014	66	71	346	0	346
2/1/2014	2/1/2014	59	67	334	0	334
2/2/2014	2/2/2014	64	70	340	0	340
2/3/2014	2/3/2014	56	60	325	0	325
2/4/2014	2/4/2014	59	68	343	0	343
2/5/2014	2/5/2014	70	80	390	0	390
2/6/2014	2/6/2014	69	79	389	0	389
2/7/2014	2/7/2014	63	70	355	0	355
2/8/2014	2/8/2014	61	65	326	0	326
2/9/2014	2/9/2014	70	79	375	0	375
2/10/2014	2/10/2014	73	79	384	0	384
2/11/2014	2/11/2014	63	73	357	0	357
2/12/2014	2/12/2014	49	54	288	0	288
2/13/2014	2/13/2014	49	58	318	0	318
2/14/2014	2/14/2014	61	69	325	0	325
2/15/2014	2/15/2014	53	60	309	0	309
2/16/2014	2/16/2014	51	60	280	0	280
2/17/2014	2/17/2014	42	47	248	0	248
2/18/2014	2/18/2014	36	40	198	0	198
2/19/2014	2/19/2014	35	39	183	0	183
2/20/2014	2/20/2014	43	53	237	0	237
2/21/2014	2/21/2014	54	65	289	0	289
2/22/2014	2/22/2014	59	68	294	0	294
2/23/2014	2/23/2014	61	71	306	0	306
2/24/2014	2/24/2014	64	72	319	0	319
2/25/2014	2/25/2014	70	81	383	0	383
2/26/2014	2/26/2014	64	79	380	0	380
2/27/2014	2/27/2014	73	80	381	0	381
2/28/2014	2/28/2014	58	66	333	0	333
12/1/2014	12/1/2014	57	64	329	0	329
12/2/2014	12/2/2014	45	51	278	0	278
12/3/2014	12/3/2014	47	52	265	0	265
12/4/2014	12/4/2014	39	44	213	0	213
12/5/2014	12/5/2014	40	43	198	0	198
12/6/2014	12/6/2014	37	41	207	0	207
12/7/2014	12/7/2014	34	40	201	0	201
12/8/2014	12/8/2014	38	44	221	0	221
12/9/2014	12/9/2014	42	45	216	0	216
12/10/2014	12/10/2014	39	42	214	0	214
12/11/2014	12/11/2014	37	40	197	0	197
12/12/2014	12/12/2014	29	32	176	0	176
12/13/2014	12/13/2014	23	26	133	0	133
12/14/2014	12/14/2014	19	21	105	0	105
12/15/2014	12/15/2014	30	34	149	0	149
12/16/2014	12/16/2014	47	55	257	0	257
12/17/2014	12/17/2014	50	53	257	0	257
12/18/2014	12/18/2014	45	46	244	0	244
12/19/2014	12/19/2014	39	43	213	0	213
12/20/2014	12/20/2014	34	38	196	0	196
12/21/2014	12/21/2014	30	36	184	0	184
12/22/2014	12/22/2014	31	35	176	0	176

12/23/2014	12/23/2014	32	37	178	0	178
12/24/2014	12/24/2014	35	40	180	0	180
12/25/2014	12/25/2014	36	39	173	0	173
12/26/2014	12/26/2014	36	41	193	0	193
12/27/2014	12/27/2014	50	56	255	0	255
12/28/2014	12/28/2014	53	57	266	0	266
12/29/2014	12/29/2014	67	74	340	0	340
12/30/2014	12/30/2014	71	79	378	0	378
12/31/2014	12/31/2014	61	73	338	0	338
1/1/2015	1/1/2015	48	53	264	0	264
1/2/2015	1/2/2015	49	53	251	0	251
1/3/2015	1/3/2015	50	58	255	0	255
1/4/2015	1/4/2015	72	84	386	0	386
1/5/2015	1/5/2015	70	76	391	0	391
1/6/2015	1/6/2015	68	81	381	0	381
1/7/2015	1/7/2015	70	82	409	0	409
1/8/2015	1/8/2015	60	76	376	0	376
1/9/2015	1/9/2015	68	78	380	0	380
1/10/2015	1/10/2015	54	60	326	0	326
1/11/2015	1/11/2015	57	63	310	0	310
1/12/2015	1/12/2015	71	76	364	0	364
1/13/2015	1/13/2015	62	69	318	0	318
1/14/2015	1/14/2015	44	49	265	0	265
1/15/2015	1/15/2015	42	46	223	0	223
1/16/2015	1/16/2015	37	42	222	0	222
1/17/2015	1/17/2015	34	40	202	0	202
1/18/2015	1/18/2015	39	42	187	0	187
1/19/2015	1/19/2015	35	38	178	0	178
1/20/2015	1/20/2015	36	39	200	0	200
1/21/2015	1/21/2015	40	44	214	0	214
1/22/2015	1/22/2015	41	48	239	0	239
1/23/2015	1/23/2015	37	42	199	0	199
1/24/2015	1/24/2015	34	37	167	0	167
1/25/2015	1/25/2015	40	44	216	0	216
1/26/2015	1/26/2015	32	36	167	0	167
1/27/2015	1/27/2015	38	43	202	0	202
1/28/2015	1/28/2015	36	42	207	0	207
1/29/2015	1/29/2015	46	54	254	0	254
1/30/2015	1/30/2015	49	54	236	0	236
1/31/2015	1/31/2015	42	48	245	0	245
2/1/2015	2/1/2015	62	72	321	0	321
2/2/2015	2/2/2015	62	68	325	0	325
2/3/2015	2/3/2015	56	59	295	0	295
2/4/2015	2/4/2015	68	76	338	0	338
2/5/2015	2/5/2015	61	70	326	0	326
2/6/2015	2/6/2015	44	48	227	0	227
2/7/2015	2/7/2015	35	38	183	0	183
2/8/2015	2/8/2015	38	42	200	0	200
2/9/2015	2/9/2015	44	47	217	0	217
2/10/2015	2/10/2015	38	46	251	0	251
2/11/2015	2/11/2015	58	73	326	0	326

2/12/2015	2/12/2015	59	65	325	0	325
2/13/2015	2/13/2015	51	62	289	0	289
2/14/2015	2/14/2015	67	76	347	0	347
2/15/2015	2/15/2015	62	69	341	0	341
2/16/2015	2/16/2015	55	62	314	0	314
2/17/2015	2/17/2015	66	77	357	0	357
2/18/2015	2/18/2015	73	84	397	0	397
2/19/2015	2/19/2015	66	73	341	0	341
2/20/2015	2/20/2015	48	53	273	0	273
2/21/2015	2/21/2015	58	67	305	0	305
2/22/2015	2/22/2015	73	82	378	0	378
2/23/2015	2/23/2015	57	69	326	0	326
2/24/2015	2/24/2015	45	53	266	0	266
2/25/2015	2/25/2015	63	70	318	0	318
2/26/2015	2/26/2015	70	78	354	0	354
2/27/2015	2/27/2015	69	75	342	0	342
2/28/2015	2/28/2015	58	66	313	0	313
			Max	478	0	478
			Min	105	0	105

		Rochester Unadj. HDD	Rochester Adj. HDD	Zumbrota Through-Put	4248341 Ind Sch Dist 2805 HS INTE	4259411 Gerkens Feed & Grain	4320592 Dairy Farmers of America	Zumbrota Total IT Volumes	Zumbrota Throughput Less IT Volumes	
12/1/2012	12/1/2012	24	26	749	9.6	0	276	286	463	Saturday
12/2/2012	12/2/2012	22	25	937	13	0	429	442	495	Sunday
12/4/2012	12/4/2012	36	40	1,382	31.3	0	611	642	740	Tuesday
12/5/2012	12/5/2012	32	38	1,326	24.1	0	617	641	685	Wednesday
12/7/2012	12/7/2012	35	38	1,341	26.1	0	601	627	714	Friday
12/8/2012	12/8/2012	32	35	1,369	18.8	0	668	687	682	Saturday
12/9/2012	12/9/2012	41	47	1,180	26.3	0	405	431	749	Sunday
12/10/2012	12/10/2012	54	59	1,807	43.1	0	717	760	1,047	Monday
12/11/2012	12/11/2012	44	48	1,618	42.2	0	624	666	952	Tuesday
12/12/2012	12/12/2012	30	36	1,335	29.8		602	632	703	Wednesday
12/13/2012	12/13/2012	36	38	1,452	34.3	0	662	696	756	Thursday
12/14/2012	12/14/2012	32	36	1,214	23.5	0	564	588	627	Friday
12/15/2012	12/15/2012	29	32	1,222	19.8	0	605	625	597	Saturday
12/16/2012	12/16/2012	40	44	1,583	36.1	0	724	760	823	Sunday
12/17/2012	12/17/2012	41	43	1,434	39.5	0	538	578	857	Monday
12/18/2012	12/18/2012	36	39	1,422	33.5	0	612	646	777	Tuesday
12/20/2012	12/20/2012	49	61	1,642	43.7	0	589	633	1,009	Thursday
12/21/2012	12/21/2012	53	58	1,621	40.5	0	514	555	1,067	Friday
12/22/2012	12/22/2012	44	48	1,466	31.3	0	495	526	940	Saturday
12/23/2012	12/23/2012	48	51	1,481	36.9	0	474	511	970	Sunday
12/24/2012	12/24/2012	55	61	1,574	40.1	0	451	491	1,083	Monday
12/25/2012	12/25/2012	57	62	1,690	49.3	0	486	535	1,155	Tuesday
12/26/2012	12/26/2012	53	55	1,953	51.8	0	725	777	1,176	Wednesday
12/27/2012	12/27/2012	49	52	1,662	47.3	0	589	636	1,026	Thursday
12/28/2012	12/28/2012	45	49	1,648	39.1	0	684	723	925	Friday
12/29/2012	12/29/2012	57	63	1,762	33.2	0	642	675	1,087	Saturday
12/30/2012	12/30/2012	51	58	1,646	32.5	0	632	665	982	Sunday
1/1/2013	1/1/2013	61	66	1,848	45.4	0	644	689	1,159	Tuesday
1/2/2013	1/2/2013	48	53	1,733	50.9	0	646	697	1,036	Wednesday
1/3/2013	1/3/2013	51	59	1,833	46.3	0	689	735	1,098	Thursday
1/4/2013	1/4/2013	47	51	1,607	38.1	0	609	647	960	Friday
1/5/2013	1/5/2013	47	54	1,692	31.5	0	685	717	976	Saturday
1/6/2013	1/6/2013	48	55	1,673	39.6	0	661	701	972	Sunday
1/7/2013	1/7/2013	42	46	1,509	40.4	0	588	628	881	Monday
1/8/2013	1/8/2013	39	45	1,505	32	0	674	706	799	Tuesday
1/9/2013	1/9/2013	38	43	1,452	34.3	0	649	683	769	Wednesday
1/11/2013	1/11/2013	34	39	1,360	25.5	0	672	698	663	Friday
1/12/2013	1/12/2013	54	62	1,784	34.2	0	632	666	1,118	Saturday
1/13/2013	1/13/2013	57	63	1,967	47.4	0	667	714	1,253	Sunday
1/14/2013	1/14/2013	50	55	1,908	47.2	0	693	740	1,168	Monday
1/15/2013	1/15/2013	41	48	1,407	38	0	432	470	937	Tuesday
1/16/2013	1/16/2013	42	47	1,552	34.7	0	575	610	942	Wednesday
1/17/2013	1/17/2013	45	50	1,762	38.9	0	685	724	1,038	Thursday
1/18/2013	1/18/2013	28	32	1,243	21.7	0	530	552	691	Friday
1/19/2013	1/19/2013	44	53	1,253	24.1	0	183	207	1,046	Saturday
1/20/2013	1/20/2013	63	73	1,926	41.8	0	532	574	1,352	Sunday
1/21/2013	1/21/2013	69	78	2,203	61.7	0	566	628	1,575	Monday
1/22/2013	1/22/2013	62	67	1,904	55.1	0	525	580	1,324	Tuesday
1/23/2013	1/23/2013	58	67	2,025	49.3	0	628	677	1,348	Wednesday
1/24/2013	1/24/2013	58	66	2,041	51.1	0	698	749	1,292	Thursday
1/25/2013	1/25/2013	53	60	1,918	41.1	0	664	705	1,213	Friday
1/26/2013	1/26/2013	47	54	1,660	29.5	0	614	644	1,017	Saturday
1/27/2013	1/27/2013	34	37	1,383	28	0	546	574	809	Sunday
1/28/2013	1/28/2013	31	34	1,419	32.1	0	639	671	748	Monday
1/29/2013	1/29/2013	37	44	1,453	35.6	0	614	650	803	Tuesday
1/30/2013	1/30/2013	53	65	1,958	43	0	743	786	1,172	Wednesday
1/31/2013	1/31/2013	69	82	2,130	53	0	573	626	1,504	Thursday
2/1/2013	2/1/2013	64	70	1,952	46.4	0	627	673	1,279	Friday
2/2/2013	2/2/2013	54	59	1,874	33.2	0	698	731	1,143	Saturday
2/3/2013	2/3/2013	54	59	1,754	39.5	0	616	656	1,099	Sunday
2/4/2013	2/4/2013	50	56	1,819	47.8	0	700	748	1,071	Monday
2/5/2013	2/5/2013	47	52	1,699	40.3	0	615	655	1,044	Tuesday
2/6/2013	2/6/2013	39	43	1,362	36	0	430	466	896	Wednesday
2/7/2013	2/7/2013	39	44	1,526	35.6	0	586	622	904	Thursday
2/8/2013	2/8/2013	41	46	1,386	29.1	0	529	558	828	Friday
2/9/2013	2/9/2013	36	42	1,254	18	0	413	431	823	Saturday
2/10/2013	2/10/2013	33	39	1,305	25.8	0	511	537	768	Sunday
2/11/2013	2/11/2013	43	51	1,442	39.6	0	452	492	950	Monday
2/12/2013	2/12/2013	38	42	1,470	34.4	0	638	672	798	Tuesday
2/13/2013	2/13/2013	34	38	1,302	27.5	0	568	596	707	Wednesday
2/14/2013	2/14/2013	45	51	1,559	35	0	605	640	919	Thursday
2/15/2013	2/15/2013	55	61	1,721	38.2	0	574	612	1,109	Friday

2/16/2013	2/16/2013	51	54	1,720	30.3	0	623	653	1,067	Saturday
2/17/2013	2/17/2013	41	49	1,509	29.5	0	636	666	844	Sunday
2/18/2013	2/18/2013	46	57	1,855	45.4	0	668	713	1,142	Monday
2/19/2013	2/19/2013	65	76	2,021	50.8	0	607	658	1,363	Tuesday
2/20/2013	2/20/2013	56	59	1,796	47.1	0	568	615	1,181	Wednesday
2/21/2013	2/21/2013	49	55	1,782	42.5	0	690	733	1,050	Thursday
2/22/2013	2/22/2013	43	47	1,504	33.4	0	605	638	866	Friday
2/23/2013	2/23/2013	52	56	1,666	24.4	0	645	669	997	Saturday
2/24/2013	2/24/2013	47	49	1,481	27.1	0	644	671	810	Sunday
2/25/2013	2/25/2013	35	37	1,489	33.9	0	648	682	807	Monday
2/26/2013	2/26/2013	35	41	1,394	29.8	0	626	656	738	Tuesday
2/28/2013	2/28/2013	40	44	1,230	33	0	346	379	851	Thursday
12/1/2013	12/1/2013	35	37	1,240	24.8	0	495	520	720	Sunday
12/2/2013	12/2/2013	30	34	1,299	27.8	0	608	636	663	Monday
12/3/2013	12/3/2013	31	34	1,345	27.4	5	637	669	676	Tuesday
12/4/2013	12/4/2013	43	51	1,557	34	23.6	593	651	906	Wednesday
12/5/2013	12/5/2013	60	70	1,666	46.6	0	332	379	1,287	Thursday
12/6/2013	12/6/2013	64	72	1,673	48	0	265	313	1,360	Friday
12/7/2013	12/7/2013	63	67	1,724	40.7	0	440	481	1,243	Saturday
12/8/2013	12/8/2013	59	64	1,871	43.9	0	688	732	1,139	Sunday
12/9/2013	12/9/2013	60	71	2,110	53.6	0	718	772	1,338	Monday
12/10/2013	12/10/2013	61	70	1,993	48.2	0	695	743	1,250	Tuesday
12/11/2013	12/11/2013	64	72	2,092	51	0	681	732	1,360	Wednesday
12/12/2013	12/12/2013	49	52	1,798	44.3	0	686	730	1,068	Thursday
12/13/2013	12/13/2013	48	54	1,476	41.7	0	331	373	1,103	Friday
12/14/2013	12/14/2013	58	66	1,799	37.9	0	572	610	1,189	Saturday
12/15/2013	12/15/2013	61	66	1,809	46.3	0	508	554	1,255	Sunday
12/16/2013	12/16/2013	46	53	1,815	47.6	0	648	696	1,119	Monday
12/17/2013	12/17/2013	47	55	1,600	43.5	0	495	539	1,062	Tuesday
12/18/2013	12/18/2013	36	41	1,588	36.3	3	678	717	871	Wednesday
12/19/2013	12/19/2013	45	52	1,410	42.5	0	345	388	1,023	Thursday
12/20/2013	12/20/2013	46	49	1,733	36.3	0	702	738	995	Friday
12/21/2013	12/21/2013	45	51	1,654	27.3	0	670	697	957	Saturday
12/22/2013	12/22/2013	59	68	1,912	43.5	0	684	728	1,185	Sunday
12/23/2013	12/23/2013	73	81	2,116	62.6	0	564	627	1,489	Monday
12/24/2013	12/24/2013	61	70	1,466	58.6	0	148	207	1,259	Tuesday
12/25/2013	12/25/2013	46	52	1,457	46.1	0	383	429	1,028	Wednesday
12/26/2013	12/26/2013	43	46	1,750	44	0	746	790	960	Thursday
12/27/2013	12/27/2013	35	40	1,426	31.1	0	589	620	806	Friday
12/28/2013	12/28/2013	42	50	1,469	21.7	0	658	680	789	Saturday
12/29/2013	12/29/2013	70	78	2,260	52	0	772	824	1,436	Sunday
12/30/2013	12/30/2013	70	75	2,254	64.5	0	716	781	1,474	Monday
1/1/2014	1/1/2014	68	75	1,786	59.9	0	323	383	1,403	Wednesday
1/2/2014	1/2/2014	72	78	2,124	58	0	584	642	1,482	Thursday
1/3/2014	1/3/2014	47	58	1,669	42.7	0	450	493	1,176	Friday
1/4/2014	1/4/2014	60	70	1,704	35.4	0	463	498	1,206	Saturday
1/5/2014	1/5/2014	79	95	1,818	60.6	0	85	146	1,672	Sunday
1/6/2014	1/6/2014	81	94	1,887	77	0	12	89	1,798	Monday
1/7/2014	1/7/2014	68	73	2,270	67.6	0	673	741	1,529	Tuesday
1/8/2014	1/8/2014	71	77	2,282	61	0	667	728	1,554	Wednesday
1/9/2014	1/9/2014	52	61	1,835	49.2	0	586	635	1,200	Thursday
1/10/2014	1/10/2014	38	41	1,634	30.5	0	706	737	898	Friday
1/11/2014	1/11/2014	39	45	1,576	23.9	0	632	656	920	Saturday
1/12/2014	1/12/2014	31	35	1,339	26.6	0	586	613	726	Sunday
1/13/2014	1/13/2014	36	42	1,351	33.1	0	538	571	780	Monday
1/14/2014	1/14/2014	55	67	1,830	41.4	0	624	665	1,165	Tuesday
1/15/2014	1/15/2014	49	58	1,433	39.3	0	314	353	1,080	Wednesday
1/16/2014	1/16/2014	48	60	1,886	46.1	0	623	669	1,217	Thursday
1/17/2014	1/17/2014	58	66	1,845	43.9	0	590	634	1,211	Friday
1/18/2014	1/18/2014	49	56	1,144	30.3	0	120	150	994	Saturday
1/19/2014	1/19/2014	35	41	1,391	28.8	0	573	602	789	Sunday
1/20/2014	1/20/2014	59	68	1,994	50.5	0	679	730	1,265	Monday
1/21/2014	1/21/2014	68	75	2,167	56	0	727	783	1,384	Tuesday
1/22/2014	1/22/2014	71	84	2,246	53.3	0	658	711	1,535	Wednesday
1/23/2014	1/23/2014	66	78	2,289	58.7	0	678	737	1,552	Thursday
1/24/2014	1/24/2014	46	57	1,395	35.2	0	316	351	1,044	Friday
1/25/2014	1/25/2014	55	64	1,899	33.1	0	635	668	1,231	Saturday
1/26/2014	1/26/2014	63	81	2,210	41.3	0	695	736	1,474	Sunday
1/27/2014	1/27/2014	77	89	2,190	0	0	536	536	1,654	Monday
1/28/2014	1/28/2014	72	82	2,217	55.7	0	622	678	1,539	Tuesday
1/29/2014	1/29/2014	50	60	1,833	45	0	724	769	1,064	Wednesday
1/30/2014	1/30/2014	55	64	1,755	46.1	0	489	535	1,220	Thursday
1/31/2014	1/31/2014	66	71	1,737	45.8	0	383	429	1,308	Friday
2/1/2014	2/1/2014	59	67	1,377	35.3	0	118	153	1,224	Saturday
2/2/2014	2/2/2014	64	70	1,688	49.1	0	332	381	1,307	Sunday
2/3/2014	2/3/2014	56	60	2,135	51	0	773	824	1,311	Monday

2/4/2014	2/4/2014	59	68	1,870	50.5	0	491	542	1,329	Tuesday
2/5/2014	2/5/2014	70	80	2,243	53.7	0	665	719	1,524	Wednesday
2/6/2014	2/6/2014	69	79	2,293	54.2	0	747	801	1,492	Thursday
2/7/2014	2/7/2014	63	70	2,048	45.9	0	616	662	1,386	Friday
2/8/2014	2/8/2014	61	65	1,867	38.9	0	550	589	1,278	Saturday
2/9/2014	2/9/2014	70	79	1,979	49.9	0	513	563	1,416	Sunday
2/10/2014	2/10/2014	73	79	2,268	59.6	0	692	752	1,516	Monday
2/11/2014	2/11/2014	63	73	2,142	50.7	0	764	815	1,327	Tuesday
2/12/2014	2/12/2014	49	54	1,547	43.4	0	436	479	1,068	Wednesday
2/13/2014	2/13/2014	49	58	1,940	43.8	0	648	692	1,248	Thursday
2/14/2014	2/14/2014	61	69	1,769	42.5	0	463	506	1,264	Friday
2/15/2014	2/15/2014	53	60	1,711	31.3	0	508	539	1,172	Saturday
2/16/2014	2/16/2014	51	60	1,525	37.9	0	456	494	1,031	Sunday
2/17/2014	2/17/2014	42	47	1,690	40.7	0	640	681	1,009	Monday
2/18/2014	2/18/2014	36	40	1,100	29.3	0	308	337	763	Tuesday
2/19/2014	2/19/2014	35	39	916	24.7	0	218	243	673	Wednesday
2/20/2014	2/20/2014	43	53	1,463	35.4	0	514	549	914	Thursday
2/21/2014	2/21/2014	54	65	1,596	38	0	437	475	1,121	Friday
2/22/2014	2/22/2014	59	68	1,606	27.5	0	453	481	1,126	Saturday
2/23/2014	2/23/2014	61	71	1,719	37.8	0	502	540	1,179	Sunday
2/24/2014	2/24/2014	64	72	1,756	48.7	0	450	499	1,257	Monday
2/25/2014	2/25/2014	70	81	2,033	53	0	520	573	1,460	Tuesday
2/26/2014	2/26/2014	64	79	1,941	51.8	0	457	509	1,432	Wednesday
2/27/2014	2/27/2014	73	80	2,038	58.4	0	299	357	1,681	Thursday
2/28/2014	2/28/2014	58	66	1,754	45.2	0	432	477	1,277	Friday
12/3/2012	12/3/2012	18	21	1,121	17.8	0	655	673	448	Monday
12/6/2012	12/6/2012	30	33	1,308	25.7	0	683	709	599	Thursday
1/10/2013	1/10/2013	32	36	1,321	27.7	0	621	649	672	Thursday
			Max	2293	77	24	773	0	824	1798	
			Min	749	0	0	12	0	89	448	
Data has been removed from Data set to either being bad data or does not fit the line fit plot										
12/19/2012	12/19/2012	36	40	1,342	32.4	0	560	592	750	Wednesday
2/27/2013	2/27/2013	34	40	1,192	28.6	0	413	442	750	Wednesday
12/1/2014	12/1/2014	57	64	1,275	59.8	0	712	772	503	Monday
12/2/2014	12/2/2014	45	51	1,100	52.8	6.4	593	652	448	Tuesday
12/3/2014	12/3/2014	47	52	1,070	47.2	43	437	527	543	Wednesday
12/4/2014	12/4/2014	39	44	819	35	0	654	689	130	Thursday
12/5/2014	12/5/2014	40	43	807	28.3	0	636	664	143	Friday
12/6/2014	12/6/2014	37	41	784	22.8	0	646	669	115	Saturday
12/7/2014	12/7/2014	34	40	744	22.4	0	673	695	49	Sunday
12/8/2014	12/8/2014	38	44	879	38.8	0	547	586	293	Monday
12/9/2014	12/9/2014	42	45	906	38.2	0	640	678	228	Tuesday
12/10/2014	12/10/2014	39	42	872	36.1	0	663	699	173	Wednesday
12/11/2014	12/11/2014	37	40	801	31.7	0	739	771	30	Thursday
12/12/2014	12/12/2014	29	32	689	24.8	0	536	561	128	Friday
12/16/2014	12/16/2014	47	55	1,017	41.3	0	737	778	239	Tuesday
12/17/2014	12/17/2014	50	53	1,069	44.7	0	587	632	437	Wednesday
12/18/2014	12/18/2014	45	46	979	42.4	0	544	586	393	Thursday
12/19/2014	12/19/2014	39	43	844	29.5	0	629	659	186	Friday
12/20/2014	12/20/2014	34	38	740	19.5	0	621	641	100	Saturday
12/21/2014	12/21/2014	30	36	682	22.8	0	655	678	4	Sunday
12/22/2014	12/22/2014	31	35	691	31.4	0	431	462	229	Monday
12/23/2014	12/23/2014	32	37	700	30.7	0	499	530	170	Tuesday
12/24/2014	12/24/2014	35	40	701	33.9	0	421	455	246	Wednesday
12/25/2014	12/25/2014	36	39	697	33.2	0	420	453	244	Thursday
12/26/2014	12/26/2014	36	41	762	29.8	0	582	612	150	Friday
12/27/2014	12/27/2014	50	56	995	29.2	0	664	693	302	Saturday
12/28/2014	12/28/2014	53	57	1,047	43.4	0	781	824	223	Sunday
12/29/2014	12/29/2014	67	74	1,360	60.3	0	712	772	588	Monday
12/30/2014	12/30/2014	71	79	1,487	65.3	0	699	764	723	Tuesday
12/31/2014	12/31/2014	61	73	1,296	58.4	0	707	765	531	Wednesday
1/1/2015	1/1/2015	48	53	1,027	48.8	0	453	502	525	Thursday
1/2/2015	1/2/2015	49	53	958	38	0	739	777	181	Friday
1/3/2015	1/3/2015	50	58	941	27.5	0	589	617	325	Saturday
1/4/2015	1/4/2015	72	84	1,496	52.8	0	795	848	648	Sunday
1/5/2015	1/5/2015	70	76	1,561	65.6	0	703	769	792	Monday
1/6/2015	1/6/2015	68	81	1,525	61.1	0	733	794	731	Tuesday
1/7/2015	1/7/2015	70	82	1,593	64.3	0	709	773	820	Wednesday
1/8/2015	1/8/2015	60	76	1,472	58.4	0	660	718	754	Thursday
1/9/2015	1/9/2015	68	78	1,452	55.2	0	577	632	820	Friday
1/10/2015	1/10/2015	54	60	1,247	45.2	0	564	609	638	Saturday

1/11/2015	1/11/2015	57	63	1,239	50.8	0	736	787	452	Sunday
1/12/2015	1/12/2015	71	76	1,550	64	0	698	762	788	Monday
1/13/2015	1/13/2015	62	69	1,277	55	0	665	720	557	Tuesday
1/14/2015	1/14/2015	44	49	1,025	44.5	0	564	609	417	Wednesday
1/15/2015	1/15/2015	42	46	865	37.1	1.4	570	609	257	Thursday
1/16/2015	1/16/2015	37	42	876	29.6	42	689	761	115	Friday
1/17/2015	1/17/2015	34	40	759	19.2	3.6	310	333	426	Saturday
1/18/2015	1/18/2015	39	42	792	29.5	0	657	687	106	Sunday
1/19/2015	1/19/2015	35	38	749	32.3	0	613	645	104	Monday
1/20/2015	1/20/2015	36	39	806	33.1	0	705	738	68	Tuesday
1/21/2015	1/21/2015	40	44	859	36.2	0	607	643	216	Wednesday
1/22/2015	1/22/2015	41	48	916	38.4	0	621	659	257	Thursday
1/23/2015	1/23/2015	37	42	788	29.3	0	570	599	189	Friday
1/24/2015	1/24/2015	34	37	663	17.4	0	618	635	28	Saturday
1/25/2015	1/25/2015	40	44	875	30.6	0	719	750	125	Sunday
1/26/2015	1/26/2015	32	36	691	29.8	0	615	645	46	Monday
1/27/2015	1/27/2015	38	43	814	33.5	0	619	653	162	Tuesday
1/28/2015	1/28/2015	36	42	819	32	0	368	400	419	Wednesday
1/29/2015	1/29/2015	46	54	1,020	39.5	0	707	747	274	Thursday
1/30/2015	1/30/2015	49	54	920	35.1	0	515	550	370	Friday
1/31/2015	1/31/2015	42	48	936	25.1	0	577	602	334	Saturday
2/1/2015	2/1/2015	62	72	1,272	42.8	0	656	699	573	Sunday
2/2/2015	2/2/2015	62	68	1,305	54.8	0	664	719	586	Monday
2/3/2015	2/3/2015	56	59	1,188	49.7	0	738	788	400	Tuesday
2/4/2015	2/4/2015	68	76	1,314	53.2	0	662	715	599	Wednesday
2/5/2015	2/5/2015	61	70	1,255	50.9	0	675	726	529	Thursday
2/6/2015	2/6/2015	44	48	922	36.1	0	482	518	404	Friday
2/7/2015	2/7/2015	35	38	741	19.3	0	517	536	205	Saturday
2/8/2015	2/8/2015	38	42	818	29.3	0	725	754	64	Sunday
2/9/2015	2/9/2015	44	47	898	40.3	0	626	666	232	Monday
2/10/2015	2/10/2015	38	46	961	38.4	0	714	752	209	Tuesday
2/11/2015	2/11/2015	58	73	1,234	47	0	521	568	666	Wednesday
2/12/2015	2/12/2015	59	65	1,301	53.5	0	680	734	568	Thursday
2/13/2015	2/13/2015	51	62	1,132	40.8	0	612	653	479	Friday
2/14/2015	2/14/2015	67	76	1,379	37.6	0	591	629	750	Saturday
2/15/2015	2/15/2015	62	69	1,312	47.8	0	748	796	516	Sunday
2/16/2015	2/16/2015	55	62	1,208	53.7	0	651	705	503	Monday
2/17/2015	2/17/2015	66	77	1,390	54.5	0	672	727	664	Tuesday
2/18/2015	2/18/2015	73	84	1,565	60.5	0	782	843	723	Wednesday
2/19/2015	2/19/2015	66	73	1,327	56.1	0	561	617	710	Thursday
2/20/2015	2/20/2015	48	53	1,076	40.7	0	727	768	308	Friday
2/21/2015	2/21/2015	58	67	1,173	33.3	0	649	682	491	Saturday
2/22/2015	2/22/2015	73	82	1,508	51.7	0	739	791	717	Sunday
2/23/2015	2/23/2015	57	69	1,246	53.1	0	675	728	518	Monday
2/24/2015	2/24/2015	45	53	1,038	43.3	0	606	649	389	Tuesday
2/25/2015	2/25/2015	63	70	1,306	51	0	622	673	633	Wednesday
2/26/2015	2/26/2015	70	78	1,403	56.7	0	674	731	672	Thursday
2/27/2015	2/27/2015	69	75	1,340	49.2	0	640	689	651	Friday
2/28/2015	2/28/2015	58	66	1,170	37.9	0	735	773	397	Saturday
12/13/2014	12/13/2014	23	26	475	11.5	0	561	573	-98	Saturday
12/14/2014	12/14/2014	19	21	414	10.9	0	660	671	-257	Sunday
12/15/2014	12/15/2014	30	34	580	27.2	0	596	623	-43	Monday

					4130179			
		Rochester Unadj. HDD	Rochester Adj. HDD	Steele Through-Put	Robert Deml		Steele Total IT Volumes	Steele Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	16	0		0	16
12/2/2012	12/2/2012	22	25	16	0		0	16
12/3/2012	12/3/2012	18	21	16	0		0	16
12/4/2012	12/4/2012	36	40	21	0		0	21
12/5/2012	12/5/2012	32	38	36	0		0	36
12/6/2012	12/6/2012	30	33	15	0		0	15
12/7/2012	12/7/2012	35	38	21	0		0	21
12/8/2012	12/8/2012	32	35	16	0		0	16
12/9/2012	12/9/2012	41	47	26	0		0	26
12/10/2012	12/10/2012	54	59	31	0		0	31
12/11/2012	12/11/2012	44	48	31	0		0	31
12/12/2012	12/12/2012	30	36	31	0		0	31
12/13/2012	12/13/2012	36	38	26	0		0	26
12/14/2012	12/14/2012	32	36	21	0		0	21
12/15/2012	12/15/2012	29	32	16	0		0	16
12/16/2012	12/16/2012	40	44	26	0		0	26
12/17/2012	12/17/2012	41	43	21	0		0	21
12/18/2012	12/18/2012	36	39	21	0		0	21
12/19/2012	12/19/2012	36	40	21	0		0	21
12/20/2012	12/20/2012	49	61	31	0		0	31
12/21/2012	12/21/2012	53	58	31	0		0	31
12/22/2012	12/22/2012	44	48	26	0		0	26
12/23/2012	12/23/2012	48	51	26	0		0	26
12/24/2012	12/24/2012	55	61	31	0		0	31
12/25/2012	12/25/2012	57	62	36	0		0	36
12/26/2012	12/26/2012	53	55	26	0		0	26
12/27/2012	12/27/2012	49	52	26	0		0	26
12/28/2012	12/28/2012	45	49	26	0		0	26
12/29/2012	12/29/2012	57	63	31	0		0	31
12/30/2012	12/30/2012	51	58	31	0		0	31
1/1/2013	1/1/2013	61	66	31	0		0	31
1/2/2013	1/2/2013	48	53	31	0		0	31
1/3/2013	1/3/2013	51	59	26	0		0	26
1/4/2013	1/4/2013	47	51	26	0		0	26
1/5/2013	1/5/2013	47	54	31	0		0	31
1/6/2013	1/6/2013	48	55	36	0		0	36
1/7/2013	1/7/2013	42	46	26	0		0	26
1/8/2013	1/8/2013	39	45	26	0		0	26
1/9/2013	1/9/2013	38	43	21	0		0	21
1/10/2013	1/10/2013	32	36	21	0		0	21
1/11/2013	1/11/2013	34	39	21	0		0	21
1/12/2013	1/12/2013	54	62	52	0		0	52
1/13/2013	1/13/2013	57	63	36	0		0	36
1/14/2013	1/14/2013	50	55	36	0		0	36
1/15/2013	1/15/2013	41	48	26	0		0	26
1/16/2013	1/16/2013	42	47	31	0		0	31
1/17/2013	1/17/2013	45	50	26	0		0	26
1/18/2013	1/18/2013	28	32	21	0		0	21
1/19/2013	1/19/2013	44	53	31	0		0	31
1/20/2013	1/20/2013	63	73	42	0		0	42
1/21/2013	1/21/2013	69	78	42	0		0	42
1/22/2013	1/22/2013	62	67	31	0		0	31
1/23/2013	1/23/2013	58	67	36	0		0	36
1/24/2013	1/24/2013	58	66	36	0		0	36
1/25/2013	1/25/2013	53	60	31	0		0	31
1/26/2013	1/26/2013	47	54	31	0		0	31
1/27/2013	1/27/2013	34	37	21	0		0	21
1/28/2013	1/28/2013	31	34	16	0		0	16
1/29/2013	1/29/2013	37	44	26	0		0	26
1/30/2013	1/30/2013	53	65	31	0		0	31
1/31/2013	1/31/2013	69	82	36	0		0	36
2/1/2013	2/1/2013	64	70	36	0		0	36
2/2/2013	2/2/2013	54	59	36	0		0	36
2/3/2013	2/3/2013	54	59	26	0		0	26

2/4/2013	2/4/2013	50	56	31	0	0	31
2/5/2013	2/5/2013	47	52	26	0	0	26
2/6/2013	2/6/2013	39	43	21	0	0	21
2/7/2013	2/7/2013	39	44	21	0	0	21
2/8/2013	2/8/2013	41	46	26	0	0	26
2/9/2013	2/9/2013	36	42	26	0	0	26
2/10/2013	2/10/2013	33	39	21	0	0	21
2/11/2013	2/11/2013	43	51	26	0	0	26
2/12/2013	2/12/2013	38	42	21	0	0	21
2/13/2013	2/13/2013	34	38	21	0	0	21
2/14/2013	2/14/2013	45	51	21	0	0	21
2/15/2013	2/15/2013	55	61	31	0	0	31
2/16/2013	2/16/2013	51	54	26	0	0	26
2/17/2013	2/17/2013	41	49	26	0	0	26
2/18/2013	2/18/2013	46	57	31	0	0	31
2/19/2013	2/19/2013	65	76	42	0	0	42
2/20/2013	2/20/2013	56	59	31	0	0	31
2/21/2013	2/21/2013	49	55	26	0	0	26
2/22/2013	2/22/2013	43	47	21	0	0	21
2/23/2013	2/23/2013	52	56	26	0	0	26
2/24/2013	2/24/2013	47	49	21	0	0	21
2/25/2013	2/25/2013	35	37	21	0	0	21
2/26/2013	2/26/2013	35	41	21	0	0	21
2/27/2013	2/27/2013	34	40	21	0	0	21
2/28/2013	2/28/2013	40	44	21	0	0	21
12/1/2013	12/1/2013	35	37	21	0	0	21
12/2/2013	12/2/2013	30	34	16	0	0	16
12/3/2013	12/3/2013	31	34	16	0	0	16
12/4/2013	12/4/2013	43	51	31	0	0	31
12/5/2013	12/5/2013	60	70	37	0	0	37
12/6/2013	12/6/2013	64	72	42	0	0	42
12/7/2013	12/7/2013	63	67	37	0	0	37
12/8/2013	12/8/2013	59	64	31	0	0	31
12/9/2013	12/9/2013	60	71	42	0	0	42
12/10/2013	12/10/2013	61	70	37	0	0	37
12/11/2013	12/11/2013	64	72	42	0	0	42
12/12/2013	12/12/2013	49	52	31	0	0	31
12/13/2013	12/13/2013	48	54	26	0	0	26
12/14/2013	12/14/2013	58	66	37	0	0	37
12/15/2013	12/15/2013	61	66	32	0	0	32
12/16/2013	12/16/2013	46	53	31	0	0	31
12/17/2013	12/17/2013	47	55	26	0	0	26
12/18/2013	12/18/2013	36	41	21	0	0	21
12/19/2013	12/19/2013	45	52	31	0	0	31
12/20/2013	12/20/2013	46	49	26	0	0	26
12/21/2013	12/21/2013	45	51	26	0	0	26
12/22/2013	12/22/2013	59	68	37	0	0	37
12/23/2013	12/23/2013	73	81	42	0	0	42
12/24/2013	12/24/2013	61	70	42	0	0	42
12/25/2013	12/25/2013	46	52	26	0	0	26
12/26/2013	12/26/2013	43	46	21	0	0	21
12/27/2013	12/27/2013	35	40	21	0	0	21
12/28/2013	12/28/2013	42	50	26	0	0	26
12/29/2013	12/29/2013	70	78	37	0	0	37
12/30/2013	12/30/2013	70	75	42	0	0	42
1/1/2014	1/1/2014	68	75	42	0	0	42
1/2/2014	1/2/2014	72	78	37	0	0	37
1/3/2014	1/3/2014	47	58	42	0	0	42
1/4/2014	1/4/2014	60	70	47	0	0	47
1/5/2014	1/5/2014	79	95	42	0	0	42
1/6/2014	1/6/2014	81	94	42	0	0	42
1/7/2014	1/7/2014	68	73	37	0	0	37
1/8/2014	1/8/2014	71	77	42	0	0	42
1/9/2014	1/9/2014	52	61	42	0	0	42
1/10/2014	1/10/2014	38	41	21	0	0	21
1/11/2014	1/11/2014	39	45	27	0	0	27
1/12/2014	1/12/2014	31	35	21	0	0	21
1/13/2014	1/13/2014	36	42	21	0	0	21

1/14/2014	1/14/2014	55	67	32	0	0	32
1/15/2014	1/15/2014	49	58	32	0	0	32
1/16/2014	1/16/2014	48	60	37	0	0	37
1/17/2014	1/17/2014	58	66	31	0	0	31
1/18/2014	1/18/2014	49	56	31	0	0	31
1/19/2014	1/19/2014	35	41	31	0	0	31
1/20/2014	1/20/2014	59	68	31	0	0	31
1/21/2014	1/21/2014	68	75	31	0	0	31
1/22/2014	1/22/2014	71	84	47	0	0	47
1/23/2014	1/23/2014	66	78	42	0	0	42
1/24/2014	1/24/2014	46	57	32	0	0	32
1/25/2014	1/25/2014	55	64	32	0	0	32
1/26/2014	1/26/2014	63	81	47	0	0	47
1/27/2014	1/27/2014	77	89	47	0	0	47
1/28/2014	1/28/2014	72	82	42	0	0	42
1/29/2014	1/29/2014	50	60	26	0	0	26
1/30/2014	1/30/2014	55	64	37	0	0	37
1/31/2014	1/31/2014	66	71	37	0	0	37
2/1/2014	2/1/2014	59	67	37	0	0	37
2/2/2014	2/2/2014	64	70	42	0	0	42
2/3/2014	2/3/2014	56	60	37	0	0	37
2/4/2014	2/4/2014	59	68	37	0	0	37
2/5/2014	2/5/2014	70	80	47	0	0	47
2/6/2014	2/6/2014	69	79	52	0	0	52
2/7/2014	2/7/2014	63	70	42	0	0	42
2/8/2014	2/8/2014	61	65	42	0	0	42
2/9/2014	2/9/2014	70	79	52	0	0	52
2/10/2014	2/10/2014	73	79	47	0	0	47
2/11/2014	2/11/2014	63	73	53	0	0	53
2/12/2014	2/12/2014	49	54	48	0	0	48
2/13/2014	2/13/2014	49	58	43	0	0	43
2/14/2014	2/14/2014	61	69	53	0	0	53
2/15/2014	2/15/2014	53	60	47	0	0	47
2/16/2014	2/16/2014	51	60	53	0	0	53
2/17/2014	2/17/2014	42	47	37	0	0	37
2/18/2014	2/18/2014	36	40	26	0	0	26
2/19/2014	2/19/2014	35	39	32	0	0	32
2/20/2014	2/20/2014	43	53	42	0	0	42
2/21/2014	2/21/2014	54	65	53	0	0	53
2/22/2014	2/22/2014	59	68	53	0	0	53
2/23/2014	2/23/2014	61	71	58	0	0	58
2/24/2014	2/24/2014	64	72	53	0	0	53
2/25/2014	2/25/2014	70	81	69	0	0	69
2/26/2014	2/26/2014	64	79	69	0	0	69
2/27/2014	2/27/2014	73	80	69	0	0	69
2/28/2014	2/28/2014	58	66	59	0	0	59
12/1/2014	12/1/2014	57	64	59	0	0	59
12/2/2014	12/2/2014	45	51	43	0	0	43
12/3/2014	12/3/2014	47	52	32	0	0	32
12/4/2014	12/4/2014	39	44	37	0	0	37
12/5/2014	12/5/2014	40	43	37	0	0	37
12/6/2014	12/6/2014	37	41	32	0	0	32
12/7/2014	12/7/2014	34	40	32	0	0	32
12/8/2014	12/8/2014	38	44	37	0	0	37
12/9/2014	12/9/2014	42	45	37	0	0	37
12/10/2014	12/10/2014	39	42	32	0	0	32
12/11/2014	12/11/2014	37	40	32	0	0	32
12/12/2014	12/12/2014	29	32	27	0	0	27
12/13/2014	12/13/2014	23	26	21	0	0	21
12/14/2014	12/14/2014	19	21	27	0	0	27
12/15/2014	12/15/2014	30	34	27	0	0	27
12/16/2014	12/16/2014	47	55	59	0	0	59
12/17/2014	12/17/2014	50	53	48	0	0	48
12/18/2014	12/18/2014	45	46	48	0	0	48
12/19/2014	12/19/2014	39	43	43	0	0	43
12/20/2014	12/20/2014	34	38	43	0	0	43
12/21/2014	12/21/2014	30	36	43	0	0	43
12/22/2014	12/22/2014	31	35	32	0	0	32

12/23/2014	12/23/2014	32	37	32	0	0	32
12/24/2014	12/24/2014	35	40	43	0	0	43
12/25/2014	12/25/2014	36	39	32	0	0	32
12/26/2014	12/26/2014	36	41	43	0	0	43
12/27/2014	12/27/2014	50	56	59	0	0	59
12/28/2014	12/28/2014	53	57	43	0	0	43
12/29/2014	12/29/2014	67	74	64	0	0	64
12/30/2014	12/30/2014	71	79	64	0	0	64
12/31/2014	12/31/2014	61	73	58	0	0	58
1/1/2015	1/1/2015	48	53	48	0	0	48
1/2/2015	1/2/2015	49	53	37	0	0	37
1/3/2015	1/3/2015	50	58	48	0	0	48
1/4/2015	1/4/2015	72	84	64	0	0	64
1/5/2015	1/5/2015	70	76	64	0	0	64
1/6/2015	1/6/2015	68	81	64	0	0	64
1/7/2015	1/7/2015	70	82	69	0	0	69
1/8/2015	1/8/2015	60	76	58	0	0	58
1/9/2015	1/9/2015	68	78	53	0	0	53
1/10/2015	1/10/2015	54	60	48	0	0	48
1/11/2015	1/11/2015	57	63	48	0	0	48
1/12/2015	1/12/2015	71	76	59	0	0	59
1/13/2015	1/13/2015	62	69	48	0	0	48
1/14/2015	1/14/2015	44	49	37	0	0	37
1/15/2015	1/15/2015	42	46	32	0	0	32
1/16/2015	1/16/2015	37	42	27	0	0	27
1/17/2015	1/17/2015	34	40	21	0	0	21
1/18/2015	1/18/2015	39	42	21	0	0	21
1/19/2015	1/19/2015	35	38	21	0	0	21
1/20/2015	1/20/2015	36	39	21	0	0	21
1/21/2015	1/21/2015	40	44	27	0	0	27
1/22/2015	1/22/2015	41	48	27	0	0	27
1/23/2015	1/23/2015	37	42	27	0	0	27
1/24/2015	1/24/2015	34	37	16	0	0	16
1/25/2015	1/25/2015	40	44	27	0	0	27
1/26/2015	1/26/2015	32	36	16	0	0	16
1/27/2015	1/27/2015	38	43	27	0	0	27
1/28/2015	1/28/2015	36	42	21	0	0	21
1/29/2015	1/29/2015	46	54	27	0	0	27
1/30/2015	1/30/2015	49	54	27	0	0	27
1/31/2015	1/31/2015	42	48	27	0	0	27
2/1/2015	2/1/2015	62	72	37	0	0	37
2/2/2015	2/2/2015	62	68	37	0	0	37
2/3/2015	2/3/2015	56	59	37	0	0	37
2/4/2015	2/4/2015	68	76	37	0	0	37
2/5/2015	2/5/2015	61	70	37	0	0	37
2/6/2015	2/6/2015	44	48	27	0	0	27
2/7/2015	2/7/2015	35	38	21	0	0	21
2/8/2015	2/8/2015	38	42	21	0	0	21
2/9/2015	2/9/2015	44	47	21	0	0	21
2/10/2015	2/10/2015	38	46	32	0	0	32
2/11/2015	2/11/2015	58	73	37	0	0	37
2/12/2015	2/12/2015	59	65	32	0	0	32
2/13/2015	2/13/2015	51	62	37	0	0	37
2/14/2015	2/14/2015	67	76	37	0	0	37
2/15/2015	2/15/2015	62	69	43	0	0	43
2/16/2015	2/16/2015	55	62	37	0	0	37
2/17/2015	2/17/2015	66	77	37	0	0	37
2/18/2015	2/18/2015	73	84	48	0	0	48
2/19/2015	2/19/2015	66	73	37	0	0	37
2/20/2015	2/20/2015	48	53	38	0	0	38
2/21/2015	2/21/2015	58	67	37	0	0	37
2/22/2015	2/22/2015	73	82	48	0	0	48
2/23/2015	2/23/2015	57	69	37	0	0	37
2/24/2015	2/24/2015	45	53	32	0	0	32
2/25/2015	2/25/2015	63	70	37	0	0	37
2/26/2015	2/26/2015	70	78	43	0	0	43
2/27/2015	2/27/2015	69	75	43	0	0	43
2/28/2015	2/28/2015	58	66	37	0	0	37

Max	69	0		0	69
Min	15	0		0	15

		Rochester Unadj. HDD	Rochester Adj. HDD	Cannon Falls Through-Put	4008411 Bergquist Co	4016025 Ind Sch Dist 252	4038505 Natural Fert of America	4111219 Bergquist Co	4203056 Hancock Concrete Road	4332896 Cannon Equipment	4361994 Ag Partners	4370355 Hancock Concrete Road	Cannon Falls Total IT Volumes	Cannon Falls Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	895	13		0	5.7	0	40	0	0.8	60	836
12/2/2012	12/2/2012	22	25	1,087	170		0	4.9	12	53	0	0.7	241	846
12/3/2012	12/3/2012	18	21	1,291	365		0	2.9	30	99	0	0.4	497	794
12/4/2012	12/4/2012	36	40	1,818	394		0	6.7	32	127	0	1.3	561	1,257
12/5/2012	12/5/2012	32	38	1,726	340		113	5.4	29	102	0	0.9	590	1,136
12/6/2012	12/6/2012	30	33	1,486	179		136	3.4	29	106	0	1.1	455	1,032
12/7/2012	12/7/2012	35	38	1,396	46		55	6.2	19	88	0	2.1	216	1,180
12/8/2012	12/8/2012	32	35	1,144	24		0	6	0	57	0	0.5	88	1,057
12/9/2012	12/9/2012	41	47	1,561	194		14	6.3	0	86	0	1.3	302	1,259
12/10/2012	12/10/2012	54	59	2,443	410		132	9	0	165	0	3.4	719	1,724
12/11/2012	12/11/2012	44	48	2,270	416		98	7.3	0	150	0	11.7	683	1,587
12/12/2012	12/12/2012	30	36	1,761	408		44	4.1	0	140	0	5.1	601	1,160
12/13/2012	12/13/2012	36	38	1,932	304		151	5.7	0	157	0	19.8	638	1,295
12/14/2012	12/14/2012	32	36	1,396	92		105	5	13	116	0	11.7	343	1,053
12/15/2012	12/15/2012	29	32	1,092	19		0	5.6	0	66	0	12.1	103	989
12/16/2012	12/16/2012	40	44	1,676	179		0	7.7	3	104	0	19.8	314	1,363
12/17/2012	12/17/2012	41	43	2,044	415		0	7.7	27	167	0	11.1	628	1,416
12/18/2012	12/18/2012	36	39	1,916	413		27	7.2	24	147	0	4	622	1,294
12/19/2012	12/19/2012	36	40	1,875	415		70	6.6	16	132	0	6.9	647	1,229
12/20/2012	12/20/2012	49	61	1,997	140		79	9.4	0	161	0	26.1	416	1,582
12/21/2012	12/21/2012	53	58	1,932	37		53	9.7	0	139	0	5.9	245	1,687
12/22/2012	12/22/2012	44	48	1,601	33		0	8.5	0	76	0	1.4	119	1,482
12/23/2012	12/23/2012	48	51	1,693	36		0	8.6	0	80	0	1.6	126	1,567
12/24/2012	12/24/2012	55	61	1,843	42		0	9.4	0	91	0	1.8	144	1,699
12/25/2012	12/25/2012	57	62	2,038	79		23	10.5	0	117	0	2.1	232	1,806
12/26/2012	12/26/2012	53	55	2,627	289		177	9.6	0	203	0	2.1	681	1,946
12/27/2012	12/27/2012	49	52	2,456	430		175	8.1	0	162	0	1.6	777	1,679
12/28/2012	12/28/2012	45	49	2,088	265		120	7.5	0	142	0	1.4	536	1,552
12/29/2012	12/29/2012	57	63	1,895	41		0	9.9	0	113	0	1.8	166	1,729
12/30/2012	12/30/2012	51	58	1,717	33		0	9	0	97	0	1.6	141	1,576
1/1/2013	1/1/2013	61	66	2,190	227		0	9.8	0	129	0	3.7	370	1,821
1/2/2013	1/2/2013	48	53	2,391	400		63	7.9	0	193	0	2	666	1,725
1/3/2013	1/3/2013	51	59	2,443	423		52	7.8	0	178	0	2.6	663	1,780
1/4/2013	1/4/2013	47	51	2,205	387		102	7.6	0	141	0	1.4	639	1,566
1/5/2013	1/5/2013	47	54	1,828	145		0	8.2	0	100	0	1.7	255	1,573
1/6/2013	1/6/2013	48	55	1,954	226		0	8	0	114	0	1.6	350	1,604
1/7/2013	1/7/2013	42	46	2,250	406		228	6.4	0	152	0	1.6	794	1,456
1/8/2013	1/8/2013	39	45	2,190	384		315	6.4	0	130	0	1.2	837	1,353
1/9/2013	1/9/2013	38	43	1,983	396		158	6	0	148	0	1.6	710	1,273
1/10/2013	1/10/2013	32	36	1,738	423		49	4.8	0	132	0	1.3	610	1,128
1/11/2013	1/11/2013	34	39	1,650	295		146	5.1	0	114	0	1.3	561	1,089
1/12/2013	1/12/2013	54	62	2,212	256		0	9.9	0	140	0	2.4	408	1,804
1/13/2013	1/13/2013	57	63	2,512	293		6	10.6	0	168	0	2.8	480	2,032
1/14/2013	1/14/2013	50	55	2,707	409		105	10.2	0	206	0	2.5	733	1,974
1/15/2013	1/15/2013	41	48	2,258	412		138	7.3	0	154	0	5.3	717	1,541
1/16/2013	1/16/2013	42	47	2,245	441		34	7.5	0	149	0	6.7	638	1,607
1/17/2013	1/17/2013	45	50	2,358	339		153	8.7	0	138	0	6.7	645	1,713
1/18/2013	1/18/2013	28	32	1,504	98		117	5.9	0	98	0	22	341	1,163
1/19/2013	1/19/2013	44	53	1,899	39		0	9.8	0	113	0	29.4	191	1,708
1/20/2013	1/20/2013	63	73	2,658	256		0	12.7	0	164	0	34.1	467	2,191
1/21/2013	1/21/2013	69	78	3,271	449		23	14.7	0	242	0	34.7	763	2,508
1/22/2013	1/22/2013	62	67	2,892	446		0	11.8	0	208	0	33.5	699	2,193
1/23/2013	1/23/2013	58	67	3,007	448		107	11.2	0	203	0	34.1	803	2,204
1/24/2013	1/24/2013	58	66	2,903	336		239	10.5	0	202	0	33	821	2,083
1/25/2013	1/25/2013	53	60	2,501	152		150	10.4	1	184	0	33	530	1,971
1/26/2013	1/26/2013	47	54	1,823	38		0	9.3	0	116	0	23.2	187	1,637
1/27/2013	1/27/2013	34	37	1,681	192		3	6.7	0	110	0	18.6	330	1,351
1/28/2013	1/28/2013	31	34	1,964	396		163	6	0	129	0	13	707	1,257
1/29/2013	1/29/2013	37	44	2,153	410		203	5.9	0	141	0	15.8	776	1,377
1/30/2013	1/30/2013	53	65	2,748	388		192	9.5	0	189	0	28.5	807	1,941
1/31/2013	1/31/2013	69	82	2,935	229		37	12.8	0	232	0	30.7	542	2,394
2/1/2013	2/1/2013	64	70	2,352	64		0	11.4	0	181	0	29.1	286	2,067
2/2/2013	2/2/2013	54	59	2,085	53		0	10.3	0	137	0	26.9	227	1,858
2/3/2013	2/3/2013	54	59	2,229	166		0	10	0	155	0	24.4	355	1,874
2/4/2013	2/4/2013	50	56	2,335	360		0	8.3	0	168	0	21	557	1,778
2/5/2013	2/5/2013	47	52	2,433	434		0	7.8	0	195	0	22.3	659	1,774
2/6/2013	2/6/2013	39	43	2,415	404		202	6.6	0	174	0	15.8	802	1,613
2/7/2013	2/7/2013	39	44	2,087	333		29	6.5	0	145	0	15.3	529	1,558
2/8/2013	2/8/2013	41	46	1,886	146		191	6.9	0	119	0	15.7	479	1,407
2/9/2013	2/9/2013	36	42	1,509	44		0	7	0	89	0	14.5	155	1,355
2/10/2013	2/10/2013	33	39	1,637	206		7	6.3	0	103	0	15.2	338	1,300
2/11/2013	2/11/2013	43	51	2,359	413		175	6.5	0	157	0	19.5	771	1,588
2/12/2013	2/12/2013	38	42	2,194	419		208	5.8	0	155	0	14.6	802	1,392
2/13/2013	2/13/2013	34	38	1,961	418		168	4.7	0	121	0	11.6	723	1,238
2/14/2013	2/14/2013	45	51	2,198	447		11	7	0	172	0	18.7	656	1,542
2/15/2013	2/15/2013	55	61	2,135	151		0	9.2	0	164	0	24	348	1,787
2/16/2013	2/16/2013	51	54	1,939	50		0	9.9	0	126	0	21.2	207	1,732
2/17/2013	2/17/2013	41	49	1,757	223		0	7.1	0	111	0	14.2	355	1,402
2/18/2013	2/18/2013	46	57	2,474	412		21	8.6	18	187	0	25.2	672	1,802

2/19/2013	2/19/2013	65	76	3,118	464	203	11.2	14	217	0	29.8	939	2,179
2/20/2013	2/20/2013	56	59	2,868	475	91	10.3	13	234	0	20.6	844	2,024
2/21/2013	2/21/2013	49	55	2,130	213	0	7.9	16	188	0	14.8	440	1,690
2/22/2013	2/22/2013	43	47	1,712	90	0	6.8	17	158	0	9.1	281	1,431
2/23/2013	2/23/2013	52	56	1,815	51	0	8.5	0	140	0	17.8	217	1,598
2/24/2013	2/24/2013	47	49	1,793	216	0	6.5	3	138	0	13.4	377	1,416
2/25/2013	2/25/2013	35	37	2,272	429	130	6.7	21	175	0	10.7	772	1,500
2/26/2013	2/26/2013	35	41	2,262	420	336	5.2	24	164	0	8.2	957	1,305
2/27/2013	2/27/2013	34	40	1,941	261	194	4.9	22	156	0	6.1	644	1,297
2/28/2013	2/28/2013	40	44	2,140	178	302	5.9	19	174	0	13.4	692	1,448
12/1/2013	12/1/2013	35	37	1,613	192	3	8.1	0	128	8.4	2.8	342	1,271
12/2/2013	12/2/2013	30	34	1,919	192	141	5.6	0	138	71.7	3.3	552	1,367
12/3/2013	12/3/2013	31	34	1,831	192	100	6.1	0	116	0	2.8	417	1,414
12/4/2013	12/4/2013	43	51	2,286	192	125	9.1	0	172	0	3.8	502	1,784
12/5/2013	12/5/2013	60	70	2,952	345	150	13.9	0	205	0	16.7	731	2,221
12/6/2013	12/6/2013	64	72	2,981	246	72	15	0	234	0	7.9	575	2,406
12/7/2013	12/7/2013	63	67	2,516	194	0	14	0	189	0	5.9	403	2,113
12/8/2013	12/8/2013	59	64	2,471	318	0	11.8	0	189	0	5.9	525	1,946
12/9/2013	12/9/2013	60	71	2,985	432	47	13.3	0	233	0	5.9	731	2,254
12/10/2013	12/10/2013	61	70	2,896	408	127	13.9	0	209	0	5.7	764	2,132
12/11/2013	12/11/2013	64	72	3,136	429	188	16.1	0	235	0	5.8	874	2,262
12/12/2013	12/12/2013	49	52	2,579	405	99	12.3	0	207	46.6	4.3	774	1,805
12/13/2013	12/13/2013	48	54	2,432	259	98	13.2	0	193	26.9	5.7	596	1,836
12/14/2013	12/14/2013	58	66	2,347	212	0	14.1	0	174	0	5.5	406	1,941
12/15/2013	12/15/2013	61	66	2,630	334	0	14.8	0	202	0	5.8	557	2,073
12/16/2013	12/16/2013	46	53	2,499	408	36	12.4	0	188	0	3.4	648	1,851
12/17/2013	12/17/2013	47	55	2,628	428	191	11.7	0	201	0	3.3	835	1,793
12/18/2013	12/18/2013	36	41	2,260	427	166	9.6	0	169	0	2.6	774	1,486
12/19/2013	12/19/2013	45	52	2,366	351	121	11.6	0	189	0	2.2	675	1,691
12/20/2013	12/20/2013	46	49	2,125	257	40	11.1	0	176	0	1.6	486	1,639
12/21/2013	12/21/2013	45	51	1,921	197	0	11.2	0	145	0	1.6	355	1,566
12/22/2013	12/22/2013	59	68	2,297	212	4	13.6	0	179	0	3.7	412	1,885
12/23/2013	12/23/2013	73	81	2,699	105	14	16.9	0	223	0	4	363	2,336
12/24/2013	12/24/2013	61	70	2,309	59	46	16.2	0	149	0	3.4	274	2,035
12/25/2013	12/25/2013	46	52	1,975	103	32	13.1	0	127	0	2.5	278	1,697
12/26/2013	12/26/2013	43	46	2,226	294	164	10.7	0	119	0	2.2	590	1,636
12/27/2013	12/27/2013	35	40	1,782	109	146	9.2	0	92	95.8	1.1	453	1,329
12/28/2013	12/28/2013	42	50	1,468	42	0	9.9	0	102	0	1.3	155	1,313
12/29/2013	12/29/2013	70	78	2,814	242	0	16.9	0	230	0	4.2	493	2,321
12/30/2013	12/30/2013	70	75	3,126	395	44	16.9	0	244	0	4.2	704	2,422
1/1/2014	1/1/2014	68	75	2,952	421	15	15.5	0	171	0	3.8	626	2,326
1/2/2014	1/2/2014	72	78	3,220	442	96	16.5	0	219	0	4.5	778	2,442
1/3/2014	1/3/2014	47	58	2,246	147	5	12.6	0	162	0	3.7	330	1,916
1/4/2014	1/4/2014	60	70	2,212	59	0	11.9	0	145	0	3.7	220	1,992
1/5/2014	1/5/2014	79	95	2,816	104	0	15.7	0	16	0	5.7	141	2,675
1/6/2014	1/6/2014	81	94	3,289	329	0	18	0	0	0	6.1	353	2,936
1/7/2014	1/7/2014	68	73	3,186	427	1	15.5	0	182	0	5.1	631	2,555
1/8/2014	1/8/2014	71	77	3,434	459	141	16.5	0	225	0	4.7	846	2,588
1/9/2014	1/9/2014	52	61	2,690	370	131	13.8	0	174	0	3.7	693	1,998
1/10/2014	1/10/2014	38	41	1,953	168	153	9.3	0	143	0	1.6	475	1,478
1/11/2014	1/11/2014	39	45	1,881	172	134	10.2	0	96	0	1.6	414	1,467
1/12/2014	1/12/2014	31	35	1,655	260	33	7.9	0	89	0	0.9	391	1,264
1/13/2014	1/13/2014	36	42	2,038	371	124	7.9	0	140	0	1.1	644	1,394
1/14/2014	1/14/2014	55	67	2,561	380	120	11.3	0	154	0	3.7	669	1,892
1/15/2014	1/15/2014	49	58	2,404	329	128	10.6	0	152	0	3.3	623	1,781
1/16/2014	1/16/2014	48	60	2,453	191	92	12	0	172	0	3.7	471	1,982
1/17/2014	1/17/2014	58	66	2,458	186	130	13	0	177	0	3.8	510	1,948
1/18/2014	1/18/2014	49	56	1,970	177	0	11.4	0	117	0	2.1	308	1,663
1/19/2014	1/19/2014	35	41	1,676	280	1	8	0	98	0	1.3	388	1,288
1/20/2014	1/20/2014	59	68	2,963	400	204	13.1	0	200	0	4.3	821	2,142
1/21/2014	1/21/2014	68	75	3,076	432	157	13.1	0	200	0	4.1	806	2,270
1/22/2014	1/22/2014	71	84	3,322	469	161	14.8	0	221	0	5.3	871	2,451
1/23/2014	1/23/2014	66	78	3,205	264	204	14.2	0	217	0	3.3	703	2,503
1/24/2014	1/24/2014	46	57	2,037	73	150	12.1	0	132	0	2	369	1,668
1/25/2014	1/25/2014	55	64	2,108	44	0	13.8	0	131	0	3.2	192	1,916
1/26/2014	1/26/2014	63	81	2,341	49	0	10.9	0	0	0	3.7	64	2,277
1/27/2014	1/27/2014	77	89	2,804	78	0	13.5	0	0	0	4.5	96	2,708
1/28/2014	1/28/2014	72	82	2,608	112	0	14.1	0	0	0	3.6	130	2,478
1/29/2014	1/29/2014	50	60	2,411	373	170	11.9	0	154	0	2.2	711	1,700
1/30/2014	1/30/2014	55	64	2,827	304	335	14.4	0	178	0	2.8	834	1,993
1/31/2014	1/31/2014	66	71	2,462	118	109	14.3	0	179	0	3.2	424	2,039
2/1/2014	2/1/2014	59	67	2,130	59	0	14.6	0	131	0	2.8	207	1,923
2/2/2014	2/2/2014	64	70	2,426	216	0	13.7	0	147	0	3.2	380	2,046
2/3/2014	2/3/2014	56	60	2,766	390	79	13.7	0	190	0	5.8	679	2,088
2/4/2014	2/4/2014	59	68	2,931	427	115	13.9	0	196	0	5.8	758	2,173
2/5/2014	2/5/2014	70	80	3,086	339	148	15.5	0	203	0	5.8	711	2,375
2/6/2014	2/6/2014	69	79	2,963	241	122	15.9	0	221	0	5.9	606	2,357
2/7/2014	2/7/2014	63	70	2,800	218	258	15.1	0	196	0	5.9	693	2,107
2/8/2014	2/8/2014	61	65	2,332	207	26	15	0	149	0	5.8	403	1,929
2/9/2014	2/9/2014	70	79	2,732	320	0	15.4	0	177	0	5.9	518	2,214
2/10/2014	2/10/2014	73	79	3,128	427	0	16.5	0	236	0	5.9	685	2,443
2/11/2014	2/11/2014	63	73	2,849	413	131	14.1	0	172	0	5.8	736	2,113
2/12/2014	2/12/2014	49	54	2,468	400	176	10.7	0	125	0	5.4	717	1,751
2/13/2014	2/13/2014	49	58	2,590	329	117	13.4	0	151	0	5.7	616	1,974

2/14/2014	2/14/2014	61	69	2,411	104		116	13.9	0	194	0	5.7	434	1,977
2/15/2014	2/15/2014	53	60	2,007	47		0	13.7	0	120	0	5.7	186	1,821
2/16/2014	2/16/2014	51	60	1,997	191		33	11.5	0	123	0	5.5	364	1,633
2/17/2014	2/17/2014	42	47	2,295	329		176	11.4	0	160	0	5.1	682	1,614
2/18/2014	2/18/2014	36	40	1,913	311		146	8.2	0	132	0	3.7	601	1,312
2/19/2014	2/19/2014	35	39	1,881	365		210	7.5	0	127	0	2.2	712	1,169
2/20/2014	2/20/2014	43	53	2,046	292		206	10	0	112	0	5	625	1,421
2/21/2014	2/21/2014	54	65	2,105	100		134	12.9	0	119	0	5.5	371	1,734
2/22/2014	2/22/2014	59	68	1,953	38		0	14.2	0	127	0	5.5	185	1,768
2/23/2014	2/23/2014	61	71	2,255	199		15	13.1	0	146	0	5.5	379	1,876
2/24/2014	2/24/2014	64	72	2,790	389		129	14	0	191	0	5.7	729	2,061
2/25/2014	2/25/2014	70	81	3,320	386		391	15.4	0	211	0	5.7	1,009	2,311
2/26/2014	2/26/2014	64	79	3,277	428		325	15.1	0	195	0	5.9	969	2,308
2/27/2014	2/27/2014	73	80	3,407	401		386	15.1	0	215	0	5.8	1,023	2,384
2/28/2014	2/28/2014	58	66	2,587	216		136	15	0	145	0	5.7	518	2,069
12/1/2014	12/1/2014	57	64	2,989	451	73.4	106	13.3	11	216	0	22.3	893	2,096
12/2/2014	12/2/2014	45	51	2,612	374	59	149	10.4	7	173	54.6	15.8	843	1,769
12/3/2014	12/3/2014	47	52	2,489	368	57.5	147	10.8	0	168	0	14.5	766	1,723
12/4/2014	12/4/2014	39	44	1,787	131	51.1	0	8.5	0	127	68.4	13.3	399	1,388
12/5/2014	12/5/2014	40	43	1,699	40	52.7	94	8.6	0	115	15.5	15.4	341	1,358
12/6/2014	12/6/2014	37	41	1,549	30	53.2	0	9.2	0	83	40.3	14	230	1,319
12/7/2014	12/7/2014	34	40	1,599	218	50.4	0	7.8	0	79	0	13.6	369	1,230
12/8/2014	12/8/2014	38	44	2,283	397	53.6	172	7.9	0	157	0	14.5	802	1,481
12/9/2014	12/9/2014	42	45	2,393	443	54.9	124	9.2	0	147	55.1	14.2	847	1,546
12/10/2014	12/10/2014	39	42	2,186	435	52.4	118	8.1	0	124	0	14.4	752	1,434
12/11/2014	12/11/2014	37	40	1,931	287	50.8	161	6.8	0	107	0	13.3	626	1,305
12/12/2014	12/12/2014	29	32	1,357	100	48.7	9	6	0	85	0	11.1	260	1,097
12/13/2014	12/13/2014	23	26	888	24	40.7	1	4.3	0	45	0	5.1	120	768
12/14/2014	12/14/2014	19	21	1,027	157	39.2	47	3.2	0	55	0	1.3	303	724
12/15/2014	12/15/2014	30	34	1,822	368	47.1	225	3.5	9	143	0	6.9	803	1,020
12/16/2014	12/16/2014	47	55	2,558	411	62.3	209	8.4	14	178	0	15.4	898	1,660
12/17/2014	12/17/2014	50	53	2,637	434	61.6	162	9.1	21	155	0	12.5	855	1,782
12/18/2014	12/18/2014	45	46	2,241	333	56	0	8.8	17	134	56.7	11.6	617	1,624
12/19/2014	12/19/2014	39	43	1,759	213	53.3	0	6.6	10	116	0	11.6	411	1,349
12/20/2014	12/20/2014	34	38	1,350	43	52.2	0	6.3	0	76	0	12.1	190	1,160
12/21/2014	12/21/2014	30	36	1,290	21	49.4	0	5.7	0	112	0	10.4	199	1,092
12/22/2014	12/22/2014	31	35	1,365	23	50.7	1	5.5	0	152	0	10.8	243	1,122
12/23/2014	12/23/2014	32	37	1,502	25	51.4	177	6.3	0	92	0	7.9	360	1,142
12/24/2014	12/24/2014	35	40	1,315	34	52.2	37	6.7	0	73	0	0.5	203	1,112
12/25/2014	12/25/2014	36	39	1,285	33	52.1	0	7	0	77	0	0.9	170	1,115
12/26/2014	12/26/2014	36	41	1,397	36	53.9	0	7.1	0	80	0	1.6	179	1,218
12/27/2014	12/27/2014	50	56	1,750	50	60.4	0	9.9	0	110	0	2.9	233	1,517
12/28/2014	12/28/2014	53	57	2,095	198	62.8	0	10	0	136	0	3.3	410	1,685
12/29/2014	12/29/2014	67	74	2,966	386	78.1	41	13.1	0	215	0	3.3	737	2,230
12/30/2014	12/30/2014	71	79	3,295	482	80.9	158	13.9	0	201	0	4.1	940	2,355
12/31/2014	12/31/2014	61	73	2,667	419	72.6	45	11.8	0	127	0	3.8	679	1,988
1/1/2015	1/1/2015	48	53	2,185	409	62.9	0	9.3	0	96	0	3	580	1,605
1/2/2015	1/2/2015	49	53	1,976	269	57.5	28	8.1	0	86	0	3	452	1,524
1/3/2015	1/3/2015	50	58	1,819	138	58.3	0	8.2	0	95	0	2.9	302	1,517
1/4/2015	1/4/2015	72	84	2,830	289	74.9	0	13.7	0	133	0	5	516	2,314
1/5/2015	1/5/2015	70	76	3,285	461	83.2	0	13.6	0	224	0	5.8	788	2,497
1/6/2015	1/6/2015	68	81	3,188	468	79.9	0	14	0	195	0	5.8	763	2,425
1/7/2015	1/7/2015	70	82	3,252	485	81.5	1	13.4	0	190	0	5.8	777	2,475
1/8/2015	1/8/2015	60	76	3,205	455	78	211	12.6	0	178	0	5.9	941	2,265
1/9/2015	1/9/2015	68	78	2,911	208	77.8	145	13.2	0	182	0	6.1	632	2,279
1/10/2015	1/10/2015	54	60	2,280	74	70.4	0	12.1	0	151	0	5.8	313	1,967
1/11/2015	1/11/2015	57	63	2,528	239	72.1	46	11.8	0	152	0	5.8	527	2,001
1/12/2015	1/12/2015	71	76	3,412	457	81.9	150	13.6	0	215	0	5.1	923	2,489
1/13/2015	1/13/2015	62	69	2,934	451	68.4	199	12.5	0	163	0	4.9	899	2,035
1/14/2015	1/14/2015	44	49	2,493	416	59.4	211	8.7	0	136	0	3.6	835	1,658
1/15/2015	1/15/2015	42	46	2,192	416	54.4	179	6.1	0	97	0	3.2	756	1,436
1/16/2015	1/16/2015	37	42	1,889	219	54	141	7.6	0	81	0	3.3	506	1,383
1/17/2015	1/17/2015	34	40	1,426	67	51.7	0	7	0	72	0	3.2	201	1,225
1/18/2015	1/18/2015	39	42	1,647	195	54	0	7.2	0	87	0	3	346	1,301
1/19/2015	1/19/2015	35	38	1,864	399	52.6	0	6.5	0	118	0	3	579	1,285
1/20/2015	1/20/2015	36	39	1,982	425	54.1	0	6.3	0	123	0	3.2	612	1,370
1/21/2015	1/21/2015	40	44	2,122	425	57.3	53	6.9	0	120	0	3.2	665	1,457
1/22/2015	1/22/2015	41	48	2,142	344	57.8	151	7	0	98	0	3.2	661	1,481
1/23/2015	1/23/2015	37	42	1,716	254	54.6	47	6.7	0	95	0	3	460	1,256
1/24/2015	1/24/2015	34	37	1,285	85	51.6	0	6	0	67	0	3	213	1,072
1/25/2015	1/25/2015	40	44	1,882	212	59.7	44	8.5	0	105	0	3.3	433	1,450
1/26/2015	1/26/2015	32	36	1,860	366	50	93	6.2	0	141	0	3	659	1,201
1/27/2015	1/27/2015	38	43	2,135	384	53.7	204	6.5	0	144	0	5	797	1,338
1/28/2015	1/28/2015	36	42	2,061	407	54.9	98	7.2	0	124	0	5.3	696	1,365
1/29/2015	1/29/2015	46	54	2,188	341	61.2	18	8.3	0	133	0	5.5	567	1,621
1/30/2015	1/30/2015	49	54	1,831	133	59.2	57	8.1	0	115	0	5.4	378	1,453
1/31/2015	1/31/2015	42	48	1,700	46	61.2	0	7.8	0	113	0	5.5	234	1,467
2/1/2015	2/1/2015	62	72	2,498	236	72.8	43	10.8	0	173	0	5.7	541	1,957
2/2/2015	2/2/2015	62	68	2,948	427	69	194	10.1	0	210	0	5.7	916	2,032
2/3/2015	2/3/2015	56	59	2,861	446	67	215	11.2	0	196	0	5.7	941	1,920
2/4/2015	2/4/2015	68	76	3,044	457	71.1	177	10.6	0	216	0	5.7	937	2,107
2/5/2015	2/5/2015	61	70	2,725	416	66.2	145	10.2	0	162	0	5.7	805	1,920
2/6/2015	2/6/2015	44	48	1,960	139	59.4	138	7.9	0	142	0	5.5	492	1,468
2/7/2015	2/7/2015	35	38	1,416	39	53.6	0	7.3	0	101	0	5.3	206	1,210

2/8/2015	2/8/2015	38	42	1,808	205	56.4	56	8.1	0	116	0	5.4	447	1,361
2/9/2015	2/9/2015	44	47	2,298	415	58.8	160	7.9	0	163	0	3.4	808	1,490
2/10/2015	2/10/2015	38	46	2,389	385	59.4	200	8.7	0	158	0	5.4	817	1,573
2/11/2015	2/11/2015	58	73	2,842	385	69.4	130	10.6	0	199	0	5.5	800	2,043
2/12/2015	2/12/2015	59	65	2,807	316	70.6	81	11.5	0	218	0	5.7	703	2,104
2/13/2015	2/13/2015	51	62	2,400	271	65.4	107	9.8	0	186	0	5.7	645	1,755
2/14/2015	2/14/2015	67	76	2,389	80	75.9	0	12.3	0	165	0	5.8	339	2,050
2/15/2015	2/15/2015	62	69	2,542	246	70.8	27	11.8	0	140	0	5.7	501	2,041
2/16/2015	2/16/2015	55	62	2,744	420	67.6	77	10.4	0	186	0	5.7	767	1,977
2/17/2015	2/17/2015	66	77	2,948	440	73.4	22	12.2	0	200	0	5.8	753	2,195
2/18/2015	2/18/2015	73	84	3,448	485	80.2	155	13.1	0	194	0	5.9	933	2,515
2/19/2015	2/19/2015	66	73	2,805	265	73.6	56	12.2	0	178	0	6.2	591	2,214
2/20/2015	2/20/2015	48	53	2,024	71	60.4	67	10.3	0	154	0	5.7	368	1,656
2/21/2015	2/21/2015	58	67	2,071	67	66.3	0	11.3	0	118	0	5.8	268	1,803
2/22/2015	2/22/2015	73	82	2,920	287	81.1	13	13.7	0	147	0	6.2	548	2,372
2/23/2015	2/23/2015	57	69	2,708	400	65.5	73	10.6	0	176	0	5.8	731	1,977
2/24/2015	2/24/2015	45	53	2,362	405	61	32	8	0	133	0	5.5	645	1,718
2/25/2015	2/25/2015	63	70	2,690	331	69.8	25	10.3	0	156	0	5.7	598	2,092
2/26/2015	2/26/2015	70	78	2,959	235	73.9	200	11.4	0	183	0	5.9	709	2,250
2/27/2015	2/27/2015	69	75	2,521	105	73.2	84	13.4	0	143	0	5.8	424	2,097
2/28/2015	2/28/2015	58	66	2,028	62	66.7	0	11.4	0	103	0	5.8	249	1,779
			Max	3,448	485	83	391	18	32	244	96	35	1,023	2,936
			Min	888	13	39	0	3	0	0	0	0	60	724

		Rochester Unadj. HDD	Rochester Adj. HDD	Dover Through-Put	4225152 Bedtke Bros Feed & Seed	Dover Total IT Volumes	Dover Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	64	0	0	64
12/2/2012	12/2/2012	22	25	66	5.5	6	61
12/3/2012	12/3/2012	18	21	59	0	0	59
12/4/2012	12/4/2012	36	40	105	0	0	105
12/5/2012	12/5/2012	32	38	105	0	0	105
12/6/2012	12/6/2012	30	33	86	17.9	18	68
12/7/2012	12/7/2012	35	38	101	0	0	101
12/8/2012	12/8/2012	32	35	94	0	0	94
12/9/2012	12/9/2012	41	47	106	0	0	106
12/10/2012	12/10/2012	54	59	154	0	0	154
12/11/2012	12/11/2012	44	48	131	0	0	131
12/12/2012	12/12/2012	30	36	109	0	0	109
12/13/2012	12/13/2012	36	38	113	14.5	15	99
12/14/2012	12/14/2012	32	36	89	0	0	89
12/15/2012	12/15/2012	29	32	81	0	0	81
12/16/2012	12/16/2012	40	44	117	0	0	117
12/17/2012	12/17/2012	41	43	126	0	0	126
12/18/2012	12/18/2012	36	39	114	0	0	114
12/19/2012	12/19/2012	36	40	107	0	0	107
12/20/2012	12/20/2012	49	61	149	0	0	149
12/21/2012	12/21/2012	53	58	160	0	0	160
12/22/2012	12/22/2012	44	48	139	0	0	139
12/23/2012	12/23/2012	48	51	139	0	0	139
12/24/2012	12/24/2012	55	61	159	0	0	159
12/25/2012	12/25/2012	57	62	168	0	0	168
12/26/2012	12/26/2012	53	55	171	0	0	171
12/27/2012	12/27/2012	49	52	145	0	0	145
12/28/2012	12/28/2012	45	49	132	0	0	132
12/29/2012	12/29/2012	57	63	156	0	0	156
12/30/2012	12/30/2012	51	58	146	0	0	146
1/1/2013	1/1/2013	61	66	169	0	0	169
1/2/2013	1/2/2013	48	53	156	0	0	156
1/3/2013	1/3/2013	51	59	167	0	0	167
1/4/2013	1/4/2013	47	51	143	0	0	143
1/5/2013	1/5/2013	47	54	137	0	0	137
1/6/2013	1/6/2013	48	55	150	0	0	150
1/7/2013	1/7/2013	42	46	131	0	0	131
1/8/2013	1/8/2013	39	45	119	0	0	119
1/9/2013	1/9/2013	38	43	114	0	0	114
1/10/2013	1/10/2013	32	36	106	0	0	106
1/11/2013	1/11/2013	34	39	96	0	0	96
1/12/2013	1/12/2013	54	62	165	0	0	165
1/13/2013	1/13/2013	57	63	187	0	0	187
1/14/2013	1/14/2013	50	55	178	0	0	178
1/15/2013	1/15/2013	41	48	145	0	0	145
1/16/2013	1/16/2013	42	47	142	0	0	142
1/17/2013	1/17/2013	45	50	154	0	0	154
1/18/2013	1/18/2013	28	32	96	0	0	96
1/19/2013	1/19/2013	44	53	156	0	0	156
1/20/2013	1/20/2013	63	73	203	0	0	203
1/21/2013	1/21/2013	69	78	234	0	0	234
1/22/2013	1/22/2013	62	67	201	0	0	201
1/23/2013	1/23/2013	58	67	210	0	0	210
1/24/2013	1/24/2013	58	66	198	0	0	198
1/25/2013	1/25/2013	53	60	182	0	0	182
1/26/2013	1/26/2013	47	54	149	0	0	149
1/27/2013	1/27/2013	34	37	123	0	0	123
1/28/2013	1/28/2013	31	34	109	0	0	109
1/29/2013	1/29/2013	37	44	121	0	0	121
1/30/2013	1/30/2013	53	65	178	0	0	178
1/31/2013	1/31/2013	69	82	223	0	0	223

2/1/2013	2/1/2013	64	70	193	0	0	193
2/2/2013	2/2/2013	54	59	169	0	0	169
2/3/2013	2/3/2013	54	59	160	0	0	160
2/4/2013	2/4/2013	50	56	155	0	0	155
2/5/2013	2/5/2013	47	52	162	0	0	162
2/6/2013	2/6/2013	39	43	128	0	0	128
2/7/2013	2/7/2013	39	44	132	0	0	132
2/8/2013	2/8/2013	41	46	132	0	0	132
2/9/2013	2/9/2013	36	42	122	0	0	122
2/10/2013	2/10/2013	33	39	114	0	0	114
2/11/2013	2/11/2013	43	51	150	0	0	150
2/12/2013	2/12/2013	38	42	121	0	0	121
2/13/2013	2/13/2013	34	38	103	0	0	103
2/14/2013	2/14/2013	45	51	134	0	0	134
2/15/2013	2/15/2013	55	61	170	0	0	170
2/16/2013	2/16/2013	51	54	163	0	0	163
2/17/2013	2/17/2013	41	49	132	0	0	132
2/18/2013	2/18/2013	46	57	163	0	0	163
2/19/2013	2/19/2013	65	76	207	0	0	207
2/20/2013	2/20/2013	56	59	175	0	0	175
2/21/2013	2/21/2013	49	55	153	0	0	153
2/22/2013	2/22/2013	43	47	124	0	0	124
2/23/2013	2/23/2013	52	56	137	0	0	137
2/24/2013	2/24/2013	47	49	108	0	0	108
2/25/2013	2/25/2013	35	37	115	0	0	115
2/26/2013	2/26/2013	35	41	113	0	0	113
2/27/2013	2/27/2013	34	40	112	0	0	112
2/28/2013	2/28/2013	40	44	126	0	0	126
12/1/2013	12/1/2013	35	37	104	0	0	104
12/2/2013	12/2/2013	30	34	103	0	0	103
12/3/2013	12/3/2013	31	34	106	14.2	14	92
12/4/2013	12/4/2013	43	51	133	0	0	133
12/5/2013	12/5/2013	60	70	196	0	0	196
12/6/2013	12/6/2013	64	72	205	0	0	205
12/7/2013	12/7/2013	63	67	186	0	0	186
12/8/2013	12/8/2013	59	64	172	0	0	172
12/9/2013	12/9/2013	60	71	209	0	0	209
12/10/2013	12/10/2013	61	70	189	0.6	1	188
12/11/2013	12/11/2013	64	72	207	0.9	1	206
12/12/2013	12/12/2013	49	52	158		0	158
12/13/2013	12/13/2013	48	54	160	0	0	160
12/14/2013	12/14/2013	58	66	176	0	0	176
12/15/2013	12/15/2013	61	66	190	0	0	190
12/16/2013	12/16/2013	46	53	171	0	0	171
12/17/2013	12/17/2013	47	55	172	0	0	172
12/18/2013	12/18/2013	36	41	128	1.5	2	127
12/19/2013	12/19/2013	45	52	148	3	3	145
12/20/2013	12/20/2013	46	49	145	0	0	145
12/21/2013	12/21/2013	45	51	133	0	0	133
12/22/2013	12/22/2013	59	68	167	0	0	167
12/23/2013	12/23/2013	73	81	219	0	0	219
12/24/2013	12/24/2013	61	70	196	0	0	196
12/25/2013	12/25/2013	46	52	158	0	0	158
12/26/2013	12/26/2013	43	46	142	0	0	142
12/27/2013	12/27/2013	35	40	119	0	0	119
12/28/2013	12/28/2013	42	50	113	0	0	113
12/29/2013	12/29/2013	70	78	218	0	0	218
12/30/2013	12/30/2013	70	75	221	0	0	221
1/1/2014	1/1/2014	68	75	205	0	0	205
1/2/2014	1/2/2014	72	78	222	0	0	222
1/3/2014	1/3/2014	47	58	195	0	0	195
1/4/2014	1/4/2014	60	70	185	0	0	185
1/5/2014	1/5/2014	79	95	261	0	0	261
1/6/2014	1/6/2014	81	94	273	0	0	273
1/7/2014	1/7/2014	68	73	227	0	0	227
1/8/2014	1/8/2014	71	77	232	0	0	232

1/9/2014	1/9/2014	52	61	185	0	0	185
1/10/2014	1/10/2014	38	41	132	0	0	132
1/11/2014	1/11/2014	39	45	131	0	0	131
1/12/2014	1/12/2014	31	35	107	0	0	107
1/13/2014	1/13/2014	36	42	119	0	0	119
1/14/2014	1/14/2014	55	67	179	0	0	179
1/15/2014	1/15/2014	49	58	169	0	0	169
1/16/2014	1/16/2014	48	60	182	0	0	182
1/17/2014	1/17/2014	58	66	189	0	0	189
1/18/2014	1/18/2014	49	56	152	0	0	152
1/19/2014	1/19/2014	35	41	114	0	0	114
1/20/2014	1/20/2014	59	68	189	0	0	189
1/21/2014	1/21/2014	68	75	206	0.3	0	206
1/22/2014	1/22/2014	71	84	231	0	0	231
1/23/2014	1/23/2014	66	78	236	0	0	236
1/24/2014	1/24/2014	46	57	159	0	0	159
1/25/2014	1/25/2014	55	64	189	0	0	189
1/26/2014	1/26/2014	63	81	214	0	0	214
1/27/2014	1/27/2014	77	89	246	0	0	246
1/28/2014	1/28/2014	72	82	230	0	0	230
1/29/2014	1/29/2014	50	60	165	0	0	165
1/30/2014	1/30/2014	55	64	181	0	0	181
1/31/2014	1/31/2014	66	71	199	0	0	199
2/1/2014	2/1/2014	59	67	184	0	0	184
2/2/2014	2/2/2014	64	70	192	0	0	192
2/3/2014	2/3/2014	56	60	182	0	0	182
2/4/2014	2/4/2014	59	68	191	0	0	191
2/5/2014	2/5/2014	70	80	225	0	0	225
2/6/2014	2/6/2014	69	79	222	0	0	222
2/7/2014	2/7/2014	63	70	199	0	0	199
2/8/2014	2/8/2014	61	65	186	0	0	186
2/9/2014	2/9/2014	70	79	209	0	0	209
2/10/2014	2/10/2014	73	79	222	0	0	222
2/11/2014	2/11/2014	63	73	202	0	0	202
2/12/2014	2/12/2014	49	54	163	0	0	163
2/13/2014	2/13/2014	49	58	183	0	0	183
2/14/2014	2/14/2014	61	69	188	0	0	188
2/15/2014	2/15/2014	53	60	167	0	0	167
2/16/2014	2/16/2014	51	60	149	0	0	149
2/17/2014	2/17/2014	42	47	147	0	0	147
2/18/2014	2/18/2014	36	40	109	0	0	109
2/19/2014	2/19/2014	35	39	95	0	0	95
2/20/2014	2/20/2014	43	53	134	0	0	134
2/21/2014	2/21/2014	54	65	160	0	0	160
2/22/2014	2/22/2014	59	68	161	0	0	161
2/23/2014	2/23/2014	61	71	174	0	0	174
2/24/2014	2/24/2014	64	72	177	0	0	177
2/25/2014	2/25/2014	70	81	210	0	0	210
2/26/2014	2/26/2014	64	79	216	0	0	216
2/27/2014	2/27/2014	73	80	223	0	0	223
2/28/2014	2/28/2014	58	66	186	0	0	186
12/1/2014	12/1/2014	57	64	180	0	0	180
12/2/2014	12/2/2014	45	51	146	0	0	146
12/3/2014	12/3/2014	47	52	143	0	0	143
12/4/2014	12/4/2014	39	44	118	0	0	118
12/5/2014	12/5/2014	40	43	110	0	0	110
12/6/2014	12/6/2014	37	41	112	0	0	112
12/7/2014	12/7/2014	34	40	110	0	0	110
12/8/2014	12/8/2014	38	44	127	0	0	127
12/9/2014	12/9/2014	42	45	127	0	0	127
12/10/2014	12/10/2014	39	42	123	0	0	123
12/11/2014	12/11/2014	37	40	118	0	0	118
12/12/2014	12/12/2014	29	32	100	0	0	100
12/13/2014	12/13/2014	23	26	71	0	0	71
12/14/2014	12/14/2014	19	21	63	0	0	63
12/15/2014	12/15/2014	30	34	76	0	0	76

12/16/2014	12/16/2014	47	55	142	0	0	142
12/17/2014	12/17/2014	50	53	145	0	0	145
12/18/2014	12/18/2014	45	46	131	0	0	131
12/19/2014	12/19/2014	39	43	117	0	0	117
12/20/2014	12/20/2014	34	38	107	0	0	107
12/21/2014	12/21/2014	30	36	104	0	0	104
12/22/2014	12/22/2014	31	35	103	0	0	103
12/23/2014	12/23/2014	32	37	102	0	0	102
12/24/2014	12/24/2014	35	40	107	0	0	107
12/25/2014	12/25/2014	36	39	103	0	0	103
12/26/2014	12/26/2014	36	41	104	0	0	104
12/27/2014	12/27/2014	50	56	151	0	0	151
12/28/2014	12/28/2014	53	57	152	0	0	152
12/29/2014	12/29/2014	67	74	194	0	0	194
12/30/2014	12/30/2014	71	79	214	0	0	214
12/31/2014	12/31/2014	61	73	191	0	0	191
1/1/2015	1/1/2015	48	53	148	0	0	148
1/2/2015	1/2/2015	49	53	131	0	0	131
1/3/2015	1/3/2015	50	58	135	0	0	135
1/4/2015	1/4/2015	72	84	220	0	0	220
1/5/2015	1/5/2015	70	76	220	0	0	220
1/6/2015	1/6/2015	68	81	213	0	0	213
1/7/2015	1/7/2015	70	82	230	0	0	230
1/8/2015	1/8/2015	60	76	215	0	0	215
1/9/2015	1/9/2015	68	78	212	0	0	212
1/10/2015	1/10/2015	54	60	181	0	0	181
1/11/2015	1/11/2015	57	63	171	0	0	171
1/12/2015	1/12/2015	71	76	214	0	0	214
1/13/2015	1/13/2015	62	69	181	0	0	181
1/14/2015	1/14/2015	44	49	143	0	0	143
1/15/2015	1/15/2015	42	46	117	0	0	117
1/16/2015	1/16/2015	37	42	112	0	0	112
1/17/2015	1/17/2015	34	40	101	0	0	101
1/18/2015	1/18/2015	39	42	112	0	0	112
1/19/2015	1/19/2015	35	38	112	0	0	112
1/20/2015	1/20/2015	36	39	109	0	0	109
1/21/2015	1/21/2015	40	44	115	0	0	115
1/22/2015	1/22/2015	41	48	133	0	0	133
1/23/2015	1/23/2015	37	42	114	0	0	114
1/24/2015	1/24/2015	34	37	89	0	0	89
1/25/2015	1/25/2015	40	44	120	0	0	120
1/26/2015	1/26/2015	32	36	105	0	0	105
1/27/2015	1/27/2015	38	43	121	0	0	121
1/28/2015	1/28/2015	36	42	123	0	0	123
1/29/2015	1/29/2015	46	54	147	0	0	147
1/30/2015	1/30/2015	49	54	136	0	0	136
1/31/2015	1/31/2015	42	48	130	0	0	130
2/1/2015	2/1/2015	62	72	182	0	0	182
2/2/2015	2/2/2015	62	68	182	0	0	182
2/3/2015	2/3/2015	56	59	163	0	0	163
2/4/2015	2/4/2015	68	76	186	0	0	186
2/5/2015	2/5/2015	61	70	181	0	0	181
2/6/2015	2/6/2015	44	48	129	0	0	129
2/7/2015	2/7/2015	35	38	104	0	0	104
2/8/2015	2/8/2015	38	42	116	0	0	116
2/9/2015	2/9/2015	44	47	131	0	0	131
2/10/2015	2/10/2015	38	46	138	0	0	138
2/11/2015	2/11/2015	58	73	176	0	0	176
2/12/2015	2/12/2015	59	65	186	0	0	186
2/13/2015	2/13/2015	51	62	165	0	0	165
2/14/2015	2/14/2015	67	76	206	0	0	206
2/15/2015	2/15/2015	62	69	191	0	0	191
2/16/2015	2/16/2015	55	62	167	0	0	167
2/17/2015	2/17/2015	66	77	191	0	0	191
2/18/2015	2/18/2015	73	84	224	0	0	224
2/19/2015	2/19/2015	66	73	194	0	0	194

2/20/2015	2/20/2015	48	53	150	0		0	150
2/21/2015	2/21/2015	58	67	164	0		0	164
2/22/2015	2/22/2015	73	82	217	0		0	217
2/23/2015	2/23/2015	57	69	188	0		0	188
2/24/2015	2/24/2015	45	53	146	0		0	146
2/25/2015	2/25/2015	63	70	177	0		0	177
2/26/2015	2/26/2015	70	78	197	0		0	197
2/27/2015	2/27/2015	69	75	195	0		0	195
2/28/2015	2/28/2015	58	66	172	0		0	172
			Max	273	18		18	273
			Min	59	0		0	59

		Rochester Unadj. HDD	Rochester Adj. HDD	Eyota Through-Put	4252840 All American Co-op	4372568 Dover-Eyota Elem Sch	Eyota Total IT Volumes	Eyota Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	207	0	4.5	5	203
12/2/2012	12/2/2012	22	25	213	0	6.7	7	206
12/3/2012	12/3/2012	18	21	196	0	8.6	9	187
12/4/2012	12/4/2012	36	40	324	0	11	11	313
12/5/2012	12/5/2012	32	38	317	0	10.2	10	307
12/6/2012	12/6/2012	30	33	273	0	10	10	263
12/7/2012	12/7/2012	35	38	321	0	7.5	8	314
12/8/2012	12/8/2012	32	35	284	0	0	0	284
12/9/2012	12/9/2012	41	47	331	0	5.5	6	326
12/10/2012	12/10/2012	54	59	466	0	20.2	20	446
12/11/2012	12/11/2012	44	48	400	0	15	15	385
12/12/2012	12/12/2012	30	36	332	0	12	12	320
12/13/2012	12/13/2012	36	38	331	0	10.8	11	320
12/14/2012	12/14/2012	32	36	268	0	7.8	8	260
12/15/2012	12/15/2012	29	32	250	0	6.1	6	244
12/16/2012	12/16/2012	40	44	358	0	11.8	12	346
12/17/2012	12/17/2012	41	43	377	0	13	13	364
12/18/2012	12/18/2012	36	39	341	0	11.1	11	330
12/19/2012	12/19/2012	36	40	327	0	10.5	11	317
12/20/2012	12/20/2012	49	61	475	0	15.6	16	459
12/21/2012	12/21/2012	53	58	466	0	11.2	11	455
12/22/2012	12/22/2012	44	48	402	0	10.4	10	392
12/23/2012	12/23/2012	48	51	409	0	14.4	14	395
12/24/2012	12/24/2012	55	61	495	0	17.7	18	477
12/25/2012	12/25/2012	57	62	525	0	19.7	20	505
12/26/2012	12/26/2012	53	55	504	0	17.8	18	486
12/27/2012	12/27/2012	49	52	440	0	16.3	16	424
12/28/2012	12/28/2012	45	49	398	0	11.8	12	386
12/29/2012	12/29/2012	57	63	457	0	0	0	457
12/30/2012	12/30/2012	51	58	429	0	10.7	11	418
1/1/2013	1/1/2013	61	66	506	0	12.8	13	493
1/2/2013	1/2/2013	48	53	471	0	22.1	22	449
1/3/2013	1/3/2013	51	59	502	0	17.3	17	485
1/4/2013	1/4/2013	47	51	411	0	11.6	12	399
1/5/2013	1/5/2013	47	54	412	0	10.4	10	402
1/6/2013	1/6/2013	48	55	438	0	16.9	17	421
1/7/2013	1/7/2013	42	46	387	0	15	15	372
1/8/2013	1/8/2013	39	45	356	0	12.6	13	343
1/9/2013	1/9/2013	38	43	337	0	12.3	12	325
1/10/2013	1/10/2013	32	36	314	0	12	12	302
1/11/2013	1/11/2013	34	39	293	0	8.7	9	284
1/12/2013	1/12/2013	54	62	487	0	9.2	9	478
1/13/2013	1/13/2013	57	63	555	0	18.6	19	536
1/14/2013	1/14/2013	50	55	520	0	19.8	20	500
1/15/2013	1/15/2013	41	48	428	0	15.3	15	413
1/16/2013	1/16/2013	42	47	425	0	14.5	15	411
1/17/2013	1/17/2013	45	50	459	0	15.1	15	444
1/18/2013	1/18/2013	28	32	297	0	9.6	10	287
1/19/2013	1/19/2013	44	53	456	0	9.6	10	446
1/20/2013	1/20/2013	63	73	600	0	21.3	21	579
1/21/2013	1/21/2013	69	78	703	0	25.4	25	678
1/22/2013	1/22/2013	62	67	597	0	21.6	22	575
1/23/2013	1/23/2013	58	67	616	0	20.6	21	595
1/24/2013	1/24/2013	58	66	571	0	19.5	20	552
1/25/2013	1/25/2013	53	60	539	0	13.9	14	525
1/26/2013	1/26/2013	47	54	440	0	11	11	429
1/27/2013	1/27/2013	34	37	359	0	14.1	14	345
1/28/2013	1/28/2013	31	34	327	0	16.5	17	311
1/29/2013	1/29/2013	37	44	367	0	14.8	15	352
1/30/2013	1/30/2013	53	65	532	0	16.5	17	516
1/31/2013	1/31/2013	69	82	674	0	20.3	20	654

2/1/2013	2/1/2013	64	70	567	0	15.3	15	552
2/2/2013	2/2/2013	54	59	493	0	13	13	480
2/3/2013	2/3/2013	54	59	475	0	18	18	457
2/4/2013	2/4/2013	50	56	470	0	17	17	453
2/5/2013	2/5/2013	47	52	454	0	15.3	15	439
2/6/2013	2/6/2013	39	43	378	0	12.7	13	365
2/7/2013	2/7/2013	39	44	397	0	12.7	13	384
2/8/2013	2/8/2013	41	46	392	0	8.2	8	384
2/9/2013	2/9/2013	36	42	369	0	7.7	8	361
2/10/2013	2/10/2013	33	39	343	0	13.9	14	329
2/11/2013	2/11/2013	43	51	449	0	16.6	17	432
2/12/2013	2/12/2013	38	42	357	0	13.1	13	344
2/13/2013	2/13/2013	34	38	318	0	11.9	12	306
2/14/2013	2/14/2013	45	51	409	0	13.1	13	396
2/15/2013	2/15/2013	55	61	496	0	11.7	12	484
2/16/2013	2/16/2013	51	54	460	0	11.5	12	449
2/17/2013	2/17/2013	41	49	389	0	15.1	15	374
2/18/2013	2/18/2013	46	57	505	0	16.7	17	488
2/19/2013	2/19/2013	65	76	620	0	19.3	19	601
2/20/2013	2/20/2013	56	59	519	0	18	18	501
2/21/2013	2/21/2013	49	55	465	0	16.5	17	449
2/22/2013	2/22/2013	43	47	370	0	12.5	13	358
2/23/2013	2/23/2013	52	56	404	0	9	9	395
2/24/2013	2/24/2013	47	49	323	0	12.4	12	311
2/25/2013	2/25/2013	35	37	330	0	13.4	13	317
2/26/2013	2/26/2013	35	41	345	0	12.3	12	333
2/27/2013	2/27/2013	34	40	348	0	12.3	12	336
2/28/2013	2/28/2013	40	44	389	0	12.6	13	376
12/1/2013	12/1/2013	35	37	311	0	12.4	12	299
12/2/2013	12/2/2013	30	34	302	0	11.8	12	290
12/3/2013	12/3/2013	31	34	327	12	11.6	24	303
12/4/2013	12/4/2013	43	51	401	0	12.6	13	388
12/5/2013	12/5/2013	60	70	569	0	16.5	17	553
12/6/2013	12/6/2013	64	72	603	0	15.6	16	587
12/7/2013	12/7/2013	63	67	533	0	14.9	15	518
12/8/2013	12/8/2013	59	64	517	0	19	19	498
12/9/2013	12/9/2013	60	71	623	0	21.8	22	601
12/10/2013	12/10/2013	61	70	567	0	19.6	20	547
12/11/2013	12/11/2013	64	72	617	0	21.2	21	596
12/12/2013	12/12/2013	49	52	463	0	16.5	17	447
12/13/2013	12/13/2013	48	54	464	0	12.8	13	451
12/14/2013	12/14/2013	58	66	511	0	11.6	12	499
12/15/2013	12/15/2013	61	66	556	0	18.9	19	537
12/16/2013	12/16/2013	46	53	503	0	17.7	18	485
12/17/2013	12/17/2013	47	55	474	0	15.7	16	458
12/18/2013	12/18/2013	36	41	382	0	13.7	14	368
12/19/2013	12/19/2013	45	52	442	0	14	14	428
12/20/2013	12/20/2013	46	49	419	0	11.6	12	407
12/21/2013	12/21/2013	45	51	405	0	10.6	11	394
12/22/2013	12/22/2013	59	68	507	0	16.8	17	490
12/23/2013	12/23/2013	73	81	658	0	25.9	26	632
12/24/2013	12/24/2013	61	70	576	0	24.1	24	552
12/25/2013	12/25/2013	46	52	468	0	19.4	19	449
12/26/2013	12/26/2013	43	46	398	0	16.4	16	382
12/27/2013	12/27/2013	35	40	340	0	11.8	12	328
12/28/2013	12/28/2013	42	50	331	0	8.9	9	322
12/29/2013	12/29/2013	70	78	642	0	19.3	19	623
12/30/2013	12/30/2013	70	75	655	0	25.2	25	630
1/1/2014	1/1/2014	68	75	624	0	23.7	24	600
1/2/2014	1/2/2014	72	78	637	0	20.2	20	617
1/3/2014	1/3/2014	47	58	546	0	8.9	9	537
1/4/2014	1/4/2014	60	70	521	0	0	0	521
1/5/2014	1/5/2014	79	95	775	0	29.8	30	745
1/6/2014	1/6/2014	81	94	826	0	35.1	35	791
1/7/2014	1/7/2014	68	73	668	0	28.8	29	639
1/8/2014	1/8/2014	71	77	677	0	22.7	23	654

1/9/2014	1/9/2014	52	61	538	0	18.5	19	520
1/10/2014	1/10/2014	38	41	392	0	11.5	12	381
1/11/2014	1/11/2014	39	45	405	0	9.7	10	395
1/12/2014	1/12/2014	31	35	333	0	11.5	12	322
1/13/2014	1/13/2014	36	42	361	0	12.1	12	349
1/14/2014	1/14/2014	55	67	540	0	15.6	16	524
1/15/2014	1/15/2014	49	58	510	0	15.7	16	494
1/16/2014	1/16/2014	48	60	552	0	15.5	16	537
1/17/2014	1/17/2014	58	66	551	0	18.9	19	532
1/18/2014	1/18/2014	49	56	458	0	13.5	14	445
1/19/2014	1/19/2014	35	41	348	0	10.5	11	338
1/20/2014	1/20/2014	59	68	569	0	17.8	18	551
1/21/2014	1/21/2014	68	75	632	0	23.1	23	609
1/22/2014	1/22/2014	71	84	709	0	22.2	22	687
1/23/2014	1/23/2014	66	78	703	0	22.2	22	681
1/24/2014	1/24/2014	46	57	477	0	13.6	14	463
1/25/2014	1/25/2014	55	64	541	0	7.6	8	533
1/26/2014	1/26/2014	63	81	633	0	0	0	633
1/27/2014	1/27/2014	77	89	724	0	0	0	724
1/28/2014	1/28/2014	72	82	673	0	6.6	7	666
1/29/2014	1/29/2014	50	60	487	0	18.4	18	469
1/30/2014	1/30/2014	55	64	543	0	17.6	18	525
1/31/2014	1/31/2014	66	71	574	0	15.8	16	558
2/1/2014	2/1/2014	59	67	530	0	13.4	13	517
2/2/2014	2/2/2014	64	70	558	0	8.9	9	549
2/3/2014	2/3/2014	56	60	536	0	27.2	27	509
2/4/2014	2/4/2014	59	68	561	0	8.6	9	552
2/5/2014	2/5/2014	70	80	679	0	25.9	26	653
2/6/2014	2/6/2014	69	79	664	0	24.3	24	640
2/7/2014	2/7/2014	63	70	592	0	17.5	18	575
2/8/2014	2/8/2014	61	65	541	0	12.5	13	529
2/9/2014	2/9/2014	70	79	629	0	24.7	25	604
2/10/2014	2/10/2014	73	79	652	0	22.5	23	630
2/11/2014	2/11/2014	63	73	583	0	16.9	17	566
2/12/2014	2/12/2014	49	54	466	0	12.1	12	454
2/13/2014	2/13/2014	49	58	538	0	11	11	527
2/14/2014	2/14/2014	61	69	539	0	5.1	5	534
2/15/2014	2/15/2014	53	60	501	0	17	17	484
2/16/2014	2/16/2014	51	60	431	0	6.6	7	424
2/17/2014	2/17/2014	42	47	427	0	19.4	19	408
2/18/2014	2/18/2014	36	40	321	0	6.7	7	314
2/19/2014	2/19/2014	35	39	287	0	6	6	281
2/20/2014	2/20/2014	43	53	416	0	12.8	13	403
2/21/2014	2/21/2014	54	65	489	0	15.6	16	473
2/22/2014	2/22/2014	59	68	488	0	14.7	15	473
2/23/2014	2/23/2014	61	71	528	0	14.8	15	513
2/24/2014	2/24/2014	64	72	540	0	10.2	10	530
2/25/2014	2/25/2014	70	81	630	0	12.6	13	617
2/26/2014	2/26/2014	64	79	628	0	7.1	7	621
2/27/2014	2/27/2014	73	80	640	0	7.2	7	633
2/28/2014	2/28/2014	58	66	532	0	7.7	8	524
12/1/2014	12/1/2014	57	64	557	0	21.6	22	535
12/2/2014	12/2/2014	45	51	463	0	18.9	19	444
12/3/2014	12/3/2014	47	52	444	0	17.4	17	427
12/4/2014	12/4/2014	39	44	443	73.6	12.4	86	357
12/5/2014	12/5/2014	40	43	369	31.2	9.6	41	328
12/6/2014	12/6/2014	37	41	332	0	7.1	7	325
12/7/2014	12/7/2014	34	40	334	0	10.8	11	323
12/8/2014	12/8/2014	38	44	390	0	13.5	14	377
12/9/2014	12/9/2014	42	45	388	0	12.4	12	376
12/10/2014	12/10/2014	39	42	371	0	12.4	12	359
12/11/2014	12/11/2014	37	40	357	0	11.9	12	345
12/12/2014	12/12/2014	29	32	308	0	8.9	9	299
12/13/2014	12/13/2014	23	26	214	2.4	5.3	8	206
12/14/2014	12/14/2014	19	21	192	1.2	7.8	9	183
12/15/2014	12/15/2014	30	34	251	0	11.5	12	240

12/16/2014	12/16/2014	47	55	442	0	13.1	13	429
12/17/2014	12/17/2014	50	53	451	0	14.8	15	436
12/18/2014	12/18/2014	45	46	410	0	13.4	13	397
12/19/2014	12/19/2014	39	43	360	0	10.2	10	350
12/20/2014	12/20/2014	34	38	321	0	7.5	8	314
12/21/2014	12/21/2014	30	36	307	0	10.4	10	297
12/22/2014	12/22/2014	31	35	309	0	13	13	296
12/23/2014	12/23/2014	32	37	316	0	12.5	13	304
12/24/2014	12/24/2014	35	40	325	0	13.7	14	311
12/25/2014	12/25/2014	36	39	312	0	12.9	13	299
12/26/2014	12/26/2014	36	41	317	0	11.5	12	306
12/27/2014	12/27/2014	50	56	431	0	8.5	9	423
12/28/2014	12/28/2014	53	57	444	0	13.4	13	431
12/29/2014	12/29/2014	67	74	592	0	23.6	24	568
12/30/2014	12/30/2014	71	79	649	0	23.6	24	625
12/31/2014	12/31/2014	61	73	587	0	18.9	19	568
1/1/2015	1/1/2015	48	53	445	0	12.6	13	432
1/2/2015	1/2/2015	49	53	397	0	11.5	12	386
1/3/2015	1/3/2015	50	58	405	0	9.8	10	395
1/4/2015	1/4/2015	72	84	667	0	24.3	24	643
1/5/2015	1/5/2015	70	76	685	0	26.8	27	658
1/6/2015	1/6/2015	68	81	660	0	23.6	24	636
1/7/2015	1/7/2015	70	82	707	0	27.2	27	680
1/8/2015	1/8/2015	60	76	656	0	23.8	24	632
1/9/2015	1/9/2015	68	78	646	0	18.5	19	628
1/10/2015	1/10/2015	54	60	523	0	12.4	12	511
1/11/2015	1/11/2015	57	63	513	0	19.2	19	494
1/12/2015	1/12/2015	71	76	643	0	23.8	24	619
1/13/2015	1/13/2015	62	69	544	0	22.8	23	521
1/14/2015	1/14/2015	44	49	443	0	18.7	19	424
1/15/2015	1/15/2015	42	46	373	0	12.8	13	360
1/16/2015	1/16/2015	37	42	344	0	10.4	10	334
1/17/2015	1/17/2015	34	40	321	0	6.8	7	314
1/18/2015	1/18/2015	39	42	332	0	11.5	12	321
1/19/2015	1/19/2015	35	38	344	0	15	15	329
1/20/2015	1/20/2015	36	39	347	0	14.4	14	333
1/21/2015	1/21/2015	40	44	367	0	14.4	14	353
1/22/2015	1/22/2015	41	48	407	0	13.1	13	394
1/23/2015	1/23/2015	37	42	355	0	11.9	12	343
1/24/2015	1/24/2015	34	37	282	0	6.5	7	276
1/25/2015	1/25/2015	40	44	365	0	12	12	353
1/26/2015	1/26/2015	32	36	317	0	14.4	14	303
1/27/2015	1/27/2015	38	43	366	0	13.8	14	352
1/28/2015	1/28/2015	36	42	367	0	14.6	15	352
1/29/2015	1/29/2015	46	54	447	0	15.6	16	431
1/30/2015	1/30/2015	49	54	407	0	12.5	13	395
1/31/2015	1/31/2015	42	48	393	0	8.8	9	384
2/1/2015	2/1/2015	62	72	550	0	18.2	18	532
2/2/2015	2/2/2015	62	68	557	0	22.7	23	534
2/3/2015	2/3/2015	56	59	512	0	21.4	21	491
2/4/2015	2/4/2015	68	76	569	0	20.6	21	548
2/5/2015	2/5/2015	61	70	561	0	20.7	21	540
2/6/2015	2/6/2015	44	48	395	0	14.5	15	381
2/7/2015	2/7/2015	35	38	317	0	6.9	7	310
2/8/2015	2/8/2015	38	42	363	0	12.6	13	350
2/9/2015	2/9/2015	44	47	404	0	17.4	17	387
2/10/2015	2/10/2015	38	46	432	0	16	16	416
2/11/2015	2/11/2015	58	73	557	0	18	18	539
2/12/2015	2/12/2015	59	65	575	0	20.4	20	555
2/13/2015	2/13/2015	51	62	503	0	16.4	16	487
2/14/2015	2/14/2015	67	76	600	0	10.6	11	589
2/15/2015	2/15/2015	62	69	566	0	20.2	20	546
2/16/2015	2/16/2015	55	62	530	0	26.5	27	504
2/17/2015	2/17/2015	66	77	616	0	23.1	23	593
2/18/2015	2/18/2015	73	84	706	0	27.6	28	678
2/19/2015	2/19/2015	66	73	612	0	24.7	25	587

2/20/2015	2/20/2015	48	53	472	0	13.7		14	458
2/21/2015	2/21/2015	58	67	495	0	8.9		9	486
2/22/2015	2/22/2015	73	82	665	0	21.8		22	643
2/23/2015	2/23/2015	57	69	601	0	27.5		28	574
2/24/2015	2/24/2015	45	53	468	0	21.7		22	446
2/25/2015	2/25/2015	63	70	572	0	21.5		22	551
2/26/2015	2/26/2015	70	78	622	0	20.5		21	602
2/27/2015	2/27/2015	69	75	589	0	16.5		17	573
2/28/2015	2/28/2015	58	66	509	0	10.6		11	498
			Max	826	74	35		86	791
			Min	192	0	0		0	183

		Rochester Unadj. HDD	Rochester Adj. HDD	Viola Through-Put	Viola Total IT Volumes	Viola Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	10	0	10
12/2/2012	12/2/2012	22	25	11	0	11
12/3/2012	12/3/2012	18	21	8	0	8
12/4/2012	12/4/2012	36	40	14	0	14
12/5/2012	12/5/2012	32	38	16	0	16
12/6/2012	12/6/2012	30	33	12	0	12
12/7/2012	12/7/2012	35	38	15	0	15
12/8/2012	12/8/2012	32	35	14	0	14
12/9/2012	12/9/2012	41	47	17	0	17
12/10/2012	12/10/2012	54	59	21	0	21
12/11/2012	12/11/2012	44	48	18	0	18
12/12/2012	12/12/2012	30	36	16	0	16
12/13/2012	12/13/2012	36	38	16	0	16
12/14/2012	12/14/2012	32	36	13	0	13
12/15/2012	12/15/2012	29	32	12	0	12
12/16/2012	12/16/2012	40	44	16	0	16
12/17/2012	12/17/2012	41	43	17	0	17
12/18/2012	12/18/2012	36	39	15	0	15
12/19/2012	12/19/2012	36	40	15	0	15
12/20/2012	12/20/2012	49	61	24	0	24
12/21/2012	12/21/2012	53	58	22	0	22
12/22/2012	12/22/2012	44	48	21	0	21
12/23/2012	12/23/2012	48	51	20	0	20
12/24/2012	12/24/2012	55	61	23	0	23
12/25/2012	12/25/2012	57	62	25	0	25
12/26/2012	12/26/2012	53	55	25	0	25
12/27/2012	12/27/2012	49	52	20	0	20
12/28/2012	12/28/2012	45	49	21	0	21
12/29/2012	12/29/2012	57	63	23	0	23
12/30/2012	12/30/2012	51	58	21	0	21
1/1/2013	1/1/2013	61	66	25	0	25
1/2/2013	1/2/2013	48	53	22	0	22
1/3/2013	1/3/2013	51	59	23	0	23
1/4/2013	1/4/2013	47	51	21	0	21
1/5/2013	1/5/2013	47	54	20	0	20
1/6/2013	1/6/2013	48	55	21	0	21
1/7/2013	1/7/2013	42	46	17	0	17
1/8/2013	1/8/2013	39	45	17	0	17
1/9/2013	1/9/2013	38	43	16	0	16
1/10/2013	1/10/2013	32	36	15	0	15
1/11/2013	1/11/2013	34	39	14	0	14
1/12/2013	1/12/2013	54	62	25	0	25
1/13/2013	1/13/2013	57	63	28	0	28
1/14/2013	1/14/2013	50	55	25	0	25
1/15/2013	1/15/2013	41	48	20	0	20
1/16/2013	1/16/2013	42	47	20	0	20
1/17/2013	1/17/2013	45	50	23	0	23
1/18/2013	1/18/2013	28	32	14	0	14
1/19/2013	1/19/2013	44	53	24	0	24
1/20/2013	1/20/2013	63	73	29	0	29
1/21/2013	1/21/2013	69	78	34	0	34
1/22/2013	1/22/2013	62	67	29	0	29
1/23/2013	1/23/2013	58	67	30	0	30
1/24/2013	1/24/2013	58	66	28	0	28
1/25/2013	1/25/2013	53	60	27	0	27
1/26/2013	1/26/2013	47	54	23	0	23
1/27/2013	1/27/2013	34	37	17	0	17
1/28/2013	1/28/2013	31	34	14	0	14
1/29/2013	1/29/2013	37	44	16	0	16
1/30/2013	1/30/2013	53	65	25	0	25
1/31/2013	1/31/2013	69	82	33	0	33

2/1/2013	2/1/2013	64	70	27		0	27
2/2/2013	2/2/2013	54	59	25		0	25
2/3/2013	2/3/2013	54	59	23		0	23
2/4/2013	2/4/2013	50	56	22		0	22
2/5/2013	2/5/2013	47	52	22		0	22
2/6/2013	2/6/2013	39	43	19		0	19
2/7/2013	2/7/2013	39	44	20		0	20
2/8/2013	2/8/2013	41	46	18		0	18
2/9/2013	2/9/2013	36	42	19		0	19
2/10/2013	2/10/2013	33	39	16		0	16
2/11/2013	2/11/2013	43	51	20		0	20
2/12/2013	2/12/2013	38	42	16		0	16
2/13/2013	2/13/2013	34	38	14		0	14
2/14/2013	2/14/2013	45	51	19		0	19
2/15/2013	2/15/2013	55	61	25		0	25
2/16/2013	2/16/2013	51	54	23		0	23
2/17/2013	2/17/2013	41	49	21		0	21
2/18/2013	2/18/2013	46	57	23		0	23
2/19/2013	2/19/2013	65	76	30		0	30
2/20/2013	2/20/2013	56	59	26		0	26
2/21/2013	2/21/2013	49	55	23		0	23
2/22/2013	2/22/2013	43	47	18		0	18
2/23/2013	2/23/2013	52	56	21		0	21
2/24/2013	2/24/2013	47	49	16		0	16
2/25/2013	2/25/2013	35	37	15		0	15
2/26/2013	2/26/2013	35	41	16		0	16
2/27/2013	2/27/2013	34	40	16		0	16
2/28/2013	2/28/2013	40	44	18		0	18
12/1/2013	12/1/2013	35	37	14		0	14
12/2/2013	12/2/2013	30	34	15		0	15
12/3/2013	12/3/2013	31	34	13		0	13
12/4/2013	12/4/2013	43	51	20		0	20
12/5/2013	12/5/2013	60	70	26		0	26
12/6/2013	12/6/2013	64	72	29		0	29
12/7/2013	12/7/2013	63	67	26		0	26
12/8/2013	12/8/2013	59	64	25		0	25
12/9/2013	12/9/2013	60	71	28		0	28
12/10/2013	12/10/2013	61	70	30		0	30
12/11/2013	12/11/2013	64	72	32		0	32
12/12/2013	12/12/2013	49	52	24		0	24
12/13/2013	12/13/2013	48	54	25		0	25
12/14/2013	12/14/2013	58	66	27		0	27
12/15/2013	12/15/2013	61	66	27		0	27
12/16/2013	12/16/2013	46	53	23		0	23
12/17/2013	12/17/2013	47	55	22		0	22
12/18/2013	12/18/2013	36	41	17		0	17
12/19/2013	12/19/2013	45	52	21		0	21
12/20/2013	12/20/2013	46	49	20		0	20
12/21/2013	12/21/2013	45	51	21		0	21
12/22/2013	12/22/2013	59	68	24		0	24
12/23/2013	12/23/2013	73	81	31		0	31
12/24/2013	12/24/2013	61	70	30		0	30
12/25/2013	12/25/2013	46	52	22		0	22
12/26/2013	12/26/2013	43	46	19		0	19
12/27/2013	12/27/2013	35	40	17		0	17
12/28/2013	12/28/2013	42	50	17		0	17
12/29/2013	12/29/2013	70	78	30		0	30
12/30/2013	12/30/2013	70	75	32		0	32
1/1/2014	1/1/2014	68	75	29		0	29
1/2/2014	1/2/2014	72	78	31		0	31
1/3/2014	1/3/2014	47	58	28		0	28
1/4/2014	1/4/2014	60	70	27		0	27
1/5/2014	1/5/2014	79	95	38		0	38
1/6/2014	1/6/2014	81	94	40		0	40
1/7/2014	1/7/2014	68	73	31		0	31
1/8/2014	1/8/2014	71	77	32		0	32

1/9/2014	1/9/2014	52	61	25		0	25
1/10/2014	1/10/2014	38	41	18		0	18
1/11/2014	1/11/2014	39	45	22		0	22
1/12/2014	1/12/2014	31	35	15		0	15
1/13/2014	1/13/2014	36	42	15		0	15
1/14/2014	1/14/2014	55	67	23		0	23
1/15/2014	1/15/2014	49	58	24		0	24
1/16/2014	1/16/2014	48	60	26		0	26
1/17/2014	1/17/2014	58	66	26		0	26
1/18/2014	1/18/2014	49	56	23		0	23
1/19/2014	1/19/2014	35	41	16		0	16
1/20/2014	1/20/2014	59	68	26		0	26
1/21/2014	1/21/2014	68	75	30		0	30
1/22/2014	1/22/2014	71	84	34		0	34
1/23/2014	1/23/2014	66	78	34		0	34
1/24/2014	1/24/2014	46	57	23		0	23
1/25/2014	1/25/2014	55	64	27		0	27
1/26/2014	1/26/2014	63	81	35		0	35
1/27/2014	1/27/2014	77	89	37		0	37
1/28/2014	1/28/2014	72	82	32		0	32
1/29/2014	1/29/2014	50	60	25		0	25
1/30/2014	1/30/2014	55	64	26		0	26
1/31/2014	1/31/2014	66	71	28		0	28
2/1/2014	2/1/2014	59	67	26		0	26
2/2/2014	2/2/2014	64	70	26		0	26
2/3/2014	2/3/2014	56	60	24		0	24
2/4/2014	2/4/2014	59	68	27		0	27
2/5/2014	2/5/2014	70	80	31		0	31
2/6/2014	2/6/2014	69	79	31		0	31
2/7/2014	2/7/2014	63	70	27		0	27
2/8/2014	2/8/2014	61	65	27		0	27
2/9/2014	2/9/2014	70	79	30		0	30
2/10/2014	2/10/2014	73	79	30		0	30
2/11/2014	2/11/2014	63	73	27		0	27
2/12/2014	2/12/2014	49	54	21		0	21
2/13/2014	2/13/2014	49	58	25		0	25
2/14/2014	2/14/2014	61	69	25		0	25
2/15/2014	2/15/2014	53	60	25		0	25
2/16/2014	2/16/2014	51	60	20		0	20
2/17/2014	2/17/2014	42	47	20		0	20
2/18/2014	2/18/2014	36	40	13		0	13
2/19/2014	2/19/2014	35	39	12		0	12
2/20/2014	2/20/2014	43	53	10		0	10
2/21/2014	2/21/2014	54	65	26		0	26
2/22/2014	2/22/2014	59	68	25		0	25
2/23/2014	2/23/2014	61	71	25		0	25
2/24/2014	2/24/2014	64	72	25		0	25
2/25/2014	2/25/2014	70	81	29		0	29
2/26/2014	2/26/2014	64	79	31		0	31
2/27/2014	2/27/2014	73	80	31		0	31
2/28/2014	2/28/2014	58	66	25		0	25
12/1/2014	12/1/2014	57	64	25		0	25
12/2/2014	12/2/2014	45	51	24		0	24
12/3/2014	12/3/2014	47	52	24		0	24
12/4/2014	12/4/2014	39	44	22		0	22
12/5/2014	12/5/2014	40	43	21		0	21
12/6/2014	12/6/2014	37	41	21		0	21
12/7/2014	12/7/2014	34	40	22		0	22
12/8/2014	12/8/2014	38	44	23		0	23
12/9/2014	12/9/2014	42	45	23		0	23
12/10/2014	12/10/2014	39	42	23		0	23
12/11/2014	12/11/2014	37	40	21		0	21
12/12/2014	12/12/2014	29	32	21		0	21
12/13/2014	12/13/2014	23	26	16		0	16
12/14/2014	12/14/2014	19	21	15		0	15
12/15/2014	12/15/2014	30	34	18		0	18

12/16/2014	12/16/2014	47	55	24		0	24
12/17/2014	12/17/2014	50	53	24		0	24
12/18/2014	12/18/2014	45	46	23		0	23
12/19/2014	12/19/2014	39	43	23		0	23
12/20/2014	12/20/2014	34	38	22		0	22
12/21/2014	12/21/2014	30	36	21		0	21
12/22/2014	12/22/2014	31	35	20		0	20
12/23/2014	12/23/2014	32	37	20		0	20
12/24/2014	12/24/2014	35	40	20		0	20
12/25/2014	12/25/2014	36	39	19		0	19
12/26/2014	12/26/2014	36	41	21		0	21
12/27/2014	12/27/2014	50	56	24		0	24
12/28/2014	12/28/2014	53	57	24		0	24
12/29/2014	12/29/2014	67	74	27		0	27
12/30/2014	12/30/2014	71	79	29		0	29
12/31/2014	12/31/2014	61	73	27		0	27
1/1/2015	1/1/2015	48	53	23		0	23
1/2/2015	1/2/2015	49	53	24		0	24
1/3/2015	1/3/2015	50	58	24		0	24
1/4/2015	1/4/2015	72	84	31		0	31
1/5/2015	1/5/2015	70	76	31		0	31
1/6/2015	1/6/2015	68	81	31		0	31
1/7/2015	1/7/2015	70	82	31		0	31
1/8/2015	1/8/2015	60	76	31		0	31
1/9/2015	1/9/2015	68	78	28		0	28
1/10/2015	1/10/2015	54	60	28		0	28
1/11/2015	1/11/2015	57	63	26		0	26
1/12/2015	1/12/2015	71	76	29		0	29
1/13/2015	1/13/2015	62	69	26		0	26
1/14/2015	1/14/2015	44	49	25		0	25
1/15/2015	1/15/2015	42	46	22		0	22
1/16/2015	1/16/2015	37	42	22		0	22
1/17/2015	1/17/2015	34	40	22		0	22
1/18/2015	1/18/2015	39	42	22		0	22
1/19/2015	1/19/2015	35	38	22		0	22
1/20/2015	1/20/2015	36	39	22		0	22
1/21/2015	1/21/2015	40	44	23		0	23
1/22/2015	1/22/2015	41	48	23		0	23
1/23/2015	1/23/2015	37	42	23		0	23
1/24/2015	1/24/2015	34	37	19		0	19
1/25/2015	1/25/2015	40	44	22		0	22
1/26/2015	1/26/2015	32	36	19		0	19
1/27/2015	1/27/2015	38	43	22		0	22
1/28/2015	1/28/2015	36	42	22		0	22
1/29/2015	1/29/2015	46	54	24		0	24
1/30/2015	1/30/2015	49	54	24		0	24
1/31/2015	1/31/2015	42	48	23		0	23
2/1/2015	2/1/2015	62	72	26		0	26
2/2/2015	2/2/2015	62	68	28		0	28
2/3/2015	2/3/2015	56	59	25		0	25
2/4/2015	2/4/2015	68	76	29		0	29
2/5/2015	2/5/2015	61	70	26		0	26
2/6/2015	2/6/2015	44	48	24		0	24
2/7/2015	2/7/2015	35	38	21		0	21
2/8/2015	2/8/2015	38	42	23		0	23
2/9/2015	2/9/2015	44	47	23		0	23
2/10/2015	2/10/2015	38	46	24		0	24
2/11/2015	2/11/2015	58	73	27		0	27
2/12/2015	2/12/2015	59	65	26		0	26
2/13/2015	2/13/2015	51	62	27		0	27
2/14/2015	2/14/2015	67	76	29		0	29
2/15/2015	2/15/2015	62	69	26		0	26
2/16/2015	2/16/2015	55	62	27		0	27
2/17/2015	2/17/2015	66	77	29		0	29
2/18/2015	2/18/2015	73	84	33		0	33
2/19/2015	2/19/2015	66	73	29		0	29

2/20/2015	2/20/2015	48	53	26		0	26
2/21/2015	2/21/2015	58	67	28		0	28
2/22/2015	2/22/2015	73	82	31		0	31
2/23/2015	2/23/2015	57	69	29		0	29
2/24/2015	2/24/2015	45	53	24		0	24
2/25/2015	2/25/2015	63	70	27		0	27
2/26/2015	2/26/2015	70	78	29		0	29
2/27/2015	2/27/2015	69	75	28		0	28
2/28/2015	2/28/2015	58	66	26		0	26
			Max	40		0	40
			Min	8		0	8

		Rochester Unadj. HDD	Rochester Adj. HDD	Stewartville#1 Through-Put	Stewartville#2 Through-Put	Stewartville Through-Put	4032250 All American Coop	4139899 Ind Sch Dist 534	4150169 All American Coop	4238012 Halcon Corp	4368713 Ind Sch Dist 534	4368714 Ind Sch Dist 534	Stewartville Total IT Volumes	Stewartville Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	683	188	871	0	5.4	0	10	13	21.3	40	831
12/2/2012	12/2/2012	22	25	666	222	888	0	8.2	0	33	13.4	26.1	48	840
12/3/2012	12/3/2012	18	21	613	162	775	4.1	11.9	0	74	13.8	25.9	56	719
12/4/2012	12/4/2012	36	40	1,000	301	1,301	16.8	14	0	100	16.1	37.3	84	1,217
12/5/2012	12/5/2012	32	38	973	280	1,253	0	16.2	0	96	15.9	39.1	71	1,182
12/6/2012	12/6/2012	30	33	825	272	1,097	0	11.3	0	69	15.5	33.2	60	1,037
12/7/2012	12/7/2012	35	38	986	294	1,280	0	11.1	0	29	16.7	34.9	63	1,217
12/8/2012	12/8/2012	32	35	900	261	1,161	0	7.4	0	14	15.1	25.5	48	1,113
12/9/2012	12/9/2012	41	47	1,048	362	1,410	10.3	15.3	0	61	17.4	34.3	77	1,333
12/10/2012	12/10/2012	54	59	1,470	468	1,938	14.1	23.3	0	141	22.7	63.6	124	1,814
12/11/2012	12/11/2012	44	48	1,212	366	1,578	0	16.3	0	136	20.9	52.3	90	1,489
12/12/2012	12/12/2012	30	36	1,021	312	1,333	0	17.3	0	114	17.5	45.7	81	1,253
12/13/2012	12/13/2012	36	38	1,085	317	1,402	23.6	12.5	0	77	17.8	42.3	96	1,306
12/14/2012	12/14/2012	32	36	857	249	1,106	0	10.9	0	38	15.1	34.5	61	1,046
12/15/2012	12/15/2012	29	32	796	236	1,032	0	8.2	0	10	14.1	23.8	46	986
12/16/2012	12/16/2012	40	44	1,174	399	1,573	0	14.2	0	58	17.9	41.9	74	1,499
12/17/2012	12/17/2012	41	43	1,185	340	1,525	19.9	18.6	0	127	20.6	49.2	108	1,417
12/18/2012	12/18/2012	36	39	1,132	316	1,448	67.7	15.7	0	128	18.6	45.2	147	1,301
12/19/2012	12/19/2012	36	40	1,025	290	1,315	0	15.4	0	106	18.2	42.3	76	1,239
12/20/2012	12/20/2012	49	61	1,490	500	1,990	16.6	19.2	0	88	20.7	56.7	113	1,877
12/21/2012	12/21/2012	53	58	1,560	452	2,012	68.9	17.3	0	93	21	56.5	164	1,848
12/22/2012	12/22/2012	44	48	1,366	373	1,739	21.1	12	0	24	17.2	40.5	91	1,648
12/23/2012	12/23/2012	48	51	1,363	410	1,773	0	17.4	0	25	18.8	39.6	76	1,697
12/24/2012	12/24/2012	55	61	1,558	460	2,018	0	21.9	0	29	22.7	46.9	92	1,927
12/25/2012	12/25/2012	57	62	1,663	495	2,158	0	23.2	0	30	23.9	52.1	99	2,059
12/26/2012	12/26/2012	53	55	1,602	463	2,065	0	22	0	28	24.2	56.6	103	1,962
12/27/2012	12/27/2012	49	52	1,392	413	1,805	0	16.3	0	25	20.6	48	85	1,720
12/28/2012	12/28/2012	45	49	1,280	379	1,659	0	15.7	0	23	18.9	41.7	76	1,583
12/29/2012	12/29/2012	57	63	1,540	459	1,999	0	15	0	29	19.9	45.3	80	1,919
12/30/2012	12/30/2012	51	58	1,385	445	1,830	0	18.8	0	29	19.8	44.5	83	1,747
1/1/2013	1/1/2013	61	66	1,686	511	2,197	11.6	23.2	0	72	24.3	65.7	125	2,072
1/2/2013	1/2/2013	48	53	1,529	436	1,965	52.9	20.6	0	173	22.4	59.7	156	1,809
1/3/2013	1/3/2013	51	59	1,639	515	2,154	10.5	20.8	0	163	22.7	61.6	116	2,038
1/4/2013	1/4/2013	47	51	1,441	419	1,860	44.6	15.4	0	114	19.3	52.5	132	1,728
1/5/2013	1/5/2013	47	54	1,379	410	1,789	0	13.6	0	30	18.2	40.5	72	1,717
1/6/2013	1/6/2013	48	55	1,435	429	1,864	0	18.1	0	66	19.6	45	83	1,781
1/7/2013	1/7/2013	42	46	1,294	380	1,674	0	19.5	0	112	20.2	53.3	93	1,581
1/8/2013	1/8/2013	39	45	1,183	422	1,605	9.1	15.3	0	105	19.4	45.3	89	1,516
1/9/2013	1/9/2013	38	43	1,129	323	1,452	18.4	13.3	0	114	17.4	42.8	92	1,360
1/10/2013	1/10/2013	32	36	1,017	317	1,334	0	14.4	0	70	16.5	40.4	71	1,263
1/11/2013	1/11/2013	34	39	1,015	316	1,331	0	13.2	0	29	15.3	39.2	68	1,263
1/12/2013	1/12/2013	54	62	1,692	485	2,177	0	13.8	0	23	18.2	61.5	94	2,084
1/13/2013	1/13/2013	57	63	1,863	561	2,424	4.8	22	0	67	22.2	62.6	112	2,312
1/14/2013	1/14/2013	50	55	1,735	471	2,206	59.7	23.3	0	115	22.8	69.2	175	2,031
1/15/2013	1/15/2013	41	48	1,401	425	1,826	0	20.3	0	106	21.6	58.2	100	1,726
1/16/2013	1/16/2013	42	47	1,395	406	1,801	0	19	0	114	22.1	56	97	1,704
1/17/2013	1/17/2013	45	50	1,487	445	1,932	8	20.8	0	117	23.4	58.1	110	1,822
1/18/2013	1/18/2013	28	32	1,042	290	1,332	55.7	10	0	67	16.4	45.1	127	1,205
1/19/2013	1/19/2013	44	53	1,575	468	2,043	0	12.8	0	24	19	53.7	86	1,958
1/20/2013	1/20/2013	63	73	2,031	636	2,667	0	23.3	0	79	25.4	78	127	2,540
1/21/2013	1/21/2013	69	78	2,323	700	3,023	0	29.9	0	164	30.8	94.8	156	2,868
1/22/2013	1/22/2013	62	67	1,946	576	2,522	17.4	26.6	0	169	29.1	79.4	153	2,370
1/23/2013	1/23/2013	58	67	1,994	622	2,616	22.1	24.3	0	147	28.1	75.4	150	2,466
1/24/2013	1/24/2013	58	66	1,942	592	2,534	81.6	24.9	0	141	27.4	73.1	207	2,327
1/25/2013	1/25/2013	53	60	1,817	557	2,374	29	19.1	0	103	23.5	66.7	138	2,236
1/26/2013	1/26/2013	47	54	1,445	417	1,862	0	10.7	0	27	20.6	43.8	75	1,787
1/27/2013	1/27/2013	34	37	1,164	368	1,532	0	16.5	0	51	19.9	42	78	1,454
1/28/2013	1/28/2013	31	34	1,063	310	1,373	0	15.7	0	90	19.3	49.4	84	1,289
1/29/2013	1/29/2013	37	44	1,196	357	1,553	0	16.3	0	103	19.8	46.1	82	1,471
1/30/2013	1/30/2013	53	65	1,762	542	2,304	0	22	0	148	23.6	65.6	111	2,193
1/31/2013	1/31/2013	69	82	2,250	698	2,948	0	31.2	0	202	29.1	81.7	142	2,806
2/1/2013	2/1/2013	64	70	1,847	585	2,432	0	23.2	0	122	26.8	72.8	123	2,309
2/2/2013	2/2/2013	54	59	1,638	495	2,133	0	15.3	0	32	22.9	56.4	95	2,038
2/3/2013	2/3/2013	54	59	1,575	511	2,086	0	18.5	0	79	23.4	60.5	102	1,984
2/4/2013	2/4/2013	50	56	1,519	461	1,980	1.3	20	0	124	23.4	57.1	102	1,878
2/5/2013	2/5/2013	47	52	1,434	420	1,854	9.6	16.1	0	134	22.3	53.3	101	1,753
2/6/2013	2/6/2013	39	43	1,184	382	1,566	0	15.6	0	110	21.2	45	82	1,484
2/7/2013	2/7/2013	39	44	1,314	426	1,740	26.9	17.5	0	98	20.6	49.2	114	1,626
2/8/2013	2/8/2013	41	46	1,368	400	1,768	50.4	11.9	0	87	20.4	49.7	132	1,636
2/9/2013	2/9/2013	36	42	1,267	363	1,630	0	9.1	0	23	18.8	40.4	68	1,562
2/10/2013	2/10/2013	33	39	1,166	354	1,520	1.8	13.6	0	56	18.5	44.9	79	1,441
2/11/2013	2/11/2013	43	51	1,515	449	1,964	12.3	21.7	0	135	22.1	56.7	113	1,851
2/12/2013	2/12/2013	38	42	1,250	330	1,580	71.3	14.2	0	128	20.7	46.1	152	1,428
2/13/2013	2/13/2013	34	38	1,086	295	1,381	45.5	12.5	0	116	19.4	42.5	120	1,261
2/14/2013	2/14/2013	45	51	1,375	387	1,762	0	18.1	0	126	22.2	52.5	93	1,669
2/15/2013	2/15/2013	55	61	1,663	503	2,166	0	18.3	0	101	24.1	61.3	104	2,062
2/16/2013	2/16/2013	51	54	1,492	413	1,905	0	14	0	27	22.3	43.9	80	1,825
2/17/2013	2/17/2013	41	49	1,262	379	1,641	0	13.2	0	56	22.3	43.7	79	1,562
2/18/2013	2/18/2013	46	57	1,756	542	2,298	0	23.2	0	146	25.7	65.9	115	2,183

2/19/2013	2/19/2013	65	76	2,113	641	2,754	0	27.4	0	184	29.5	80.1	137	2,617
2/20/2013	2/20/2013	56	59	1,696	484	2,180	0	23.7	0	155	27.1	67.8	119	2,061
2/21/2013	2/21/2013	49	55	1,516	458	1,974	0	19.6	0	133	25.1	56.6	101	1,873
2/22/2013	2/22/2013	43	47	1,291	366	1,657	0	13	0	68	22.6	49.8	85	1,572
2/23/2013	2/23/2013	52	56	1,484	400	1,884	0	12	0	29	22.2	42.5	77	1,807
2/24/2013	2/24/2013	47	49	1,141	293	1,434	13.4	12.3	0	61	20.3	39.5	86	1,349
2/25/2013	2/25/2013	35	37	1,130	379	1,509	17.4	15.4	0	119	20.6	46.7	100	1,409
2/26/2013	2/26/2013	35	41	1,146	352	1,498	0	17.8	0	105	20.6	44.2	83	1,415
2/27/2013	2/27/2013	34	40	1,158	330	1,488	0	14.9	0	117	20.7	45.9	82	1,407
2/28/2013	2/28/2013	40	44	1,269	359	1,628	0	15.9	0	106	22.3	46	84	1,544
12/1/2013	12/1/2013	35	37	1,012	288	1,300	0	14	0	44	18	38.9	71	1,229
12/2/2013	12/2/2013	30	34	998	263	1,261	27	14.4	12	49	20.8	40.2	114	1,147
12/3/2013	12/3/2013	31	34	1,124	307	1,431	20.9	14.4	145	57	18.6	39.4	238	1,193
12/4/2013	12/4/2013	43	51	1,438	458	1,896	21.9	17	105	96	19.7	46.1	210	1,686
12/5/2013	12/5/2013	60	70	1,828	584	2,412	0	23.7	0	84	27	63.4	114	2,298
12/6/2013	12/6/2013	64	72	1,925	643	2,568	0	21.6	0	36	26.1	64.7	112	2,456
12/7/2013	12/7/2013	63	67	1,717	519	2,236	0	20.6	0	25	23.4	45.7	90	2,146
12/8/2013	12/8/2013	59	64	1,611	509	2,120	0	22.7	0	53	24.6	58	105	2,015
12/9/2013	12/9/2013	60	71	1,957	655	2,612	0	29	0	110	27.6	74.8	131	2,481
12/10/2013	12/10/2013	61	70	1,692	588	2,280	0	24.4	0	104	29.8	69.2	123	2,157
12/11/2013	12/11/2013	64	72	1,927	628	2,555	0	26.1	0	111	30.3	69.5	126	2,429
12/12/2013	12/12/2013	49	52	1,476	457	1,933	19.6	21	0	88	27.5	61.1	129	1,804
12/13/2013	12/13/2013	48	54	1,455	482	1,937	0	16.3	0	39	25.5	49.2	91	1,846
12/14/2013	12/14/2013	58	66	1,659	508	2,167	0	17.1	0	28	25.1	43.9	86	2,081
12/15/2013	12/15/2013	61	66	1,746	563	2,309	2.2	24.3	0	69	27.7	62.6	117	2,192
12/16/2013	12/16/2013	46	53	1,550	491	2,041	38.5	21	0	93	27.8	59.2	147	1,895
12/17/2013	12/17/2013	47	55	1,449	457	1,906	0	21.9	0	88	25.7	53.7	101	1,805
12/18/2013	12/18/2013	36	41	1,197	347	1,544	0	17.7	0	75	23.5	49.6	91	1,453
12/19/2013	12/19/2013	45	52	1,443	438	1,881	38	18.1	0	52	24.8	51.1	132	1,749
12/20/2013	12/20/2013	46	49	1,372	424	1,796	16.6	13.4	0	26	23.9	48	102	1,694
12/21/2013	12/21/2013	45	51	1,316	379	1,695	0	12.8	0	21	21.6	33.6	68	1,627
12/22/2013	12/22/2013	59	68	1,644	553	2,197	0	21.1	0	73	24.9	58	104	2,093
12/23/2013	12/23/2013	73	81	2,055	677	2,732	0	27.7	0	128	29.7	73.8	131	2,601
12/24/2013	12/24/2013	61	70	1,791	568	2,359	0	22.3	0	50	28.2	58.1	109	2,250
12/25/2013	12/25/2013	46	52	1,452	457	1,909	0	18.5	0	61	25.6	51.1	95	1,814
12/26/2013	12/26/2013	43	46	1,248	407	1,655	0	19.8	0	84	23.7	55.7	99	1,556
12/27/2013	12/27/2013	35	40	1,106	330	1,436	20.4	13.6	0	33	19.7	43.3	97	1,339
12/28/2013	12/28/2013	42	50	1,117	338	1,455	0	11.2	0	20	17.6	32.9	62	1,393
12/29/2013	12/29/2013	70	78	1,963	645	2,608	0	24.3	0	88	25.4	56.4	106	2,502
12/30/2013	12/30/2013	70	75	2,013	612	2,625	0	28.7	0	145	31.3	77.8	138	2,487
1/1/2014	1/1/2014	68	75	1,951	593	2,544	0	27.3	0	68	30.2	76.1	134	2,410
1/2/2014	1/2/2014	72	78	2,016	626	2,642	8.1	28.1	0	111	31.1	64	131	2,511
1/3/2014	1/3/2014	47	58	1,718	581	2,299	17.3	21.4	0	52	27.3	58.7	125	2,174
1/4/2014	1/4/2014	60	70	1,736	532	2,268	0	18.8	0	31	24.8	47.3	91	2,177
1/5/2014	1/5/2014	79	95	2,222	782	3,004	0	32.8	0	45	30.7	79.5	143	2,861
1/6/2014	1/6/2014	81	94	2,534	776	3,310	0	36.1	0	80	34.7	98.3	169	3,141
1/7/2014	1/7/2014	68	73	2,063	630	2,693	0	29.8	0	129	31.3	82.2	143	2,550
1/8/2014	1/8/2014	71	77	2,066	621	2,687	0	30.1	0	130	31.6	77.7	139	2,548
1/9/2014	1/9/2014	52	61	1,683	514	2,197	12.1	23.1	0	85	28.8	61.5	126	2,072
1/10/2014	1/10/2014	38	41	1,261	365	1,626	40	11.7	0	40	22.8	43.2	118	1,508
1/11/2014	1/11/2014	39	45	1,301	382	1,683	0	8.6	0	23	20	33.5	62	1,621
1/12/2014	1/12/2014	31	35	1,056	332	1,388	0	13.4	0	34	19.3	37	70	1,318
1/13/2014	1/13/2014	36	42	1,127	329	1,456	0	17.4	0	63	22.4	43.8	84	1,372
1/14/2014	1/14/2014	55	67	1,712	515	2,227	0.8	23.5	0	116	26.4	66.3	117	2,110
1/15/2014	1/15/2014	49	58	1,604	469	2,073	24.6	20.6	0	100	24.6	66.4	136	1,937
1/16/2014	1/16/2014	48	60	1,814	546	2,360	23.9	22.8	0	97	26.8	71.2	145	2,215
1/17/2014	1/17/2014	58	66	1,736	540	2,276	0	20.3	0	73	27.2	64.1	112	2,164
1/18/2014	1/18/2014	49	56	1,469	424	1,893	0	14.8	0	21	23.3	52.1	90	1,803
1/19/2014	1/19/2014	35	41	1,110	340	1,450	0	14.8	0	50	20.4	55.1	90	1,360
1/20/2014	1/20/2014	59	68	1,838	606	2,444	45	26.1	0	110	26.7	69.9	168	2,276
1/21/2014	1/21/2014	68	75	1,937	591	2,528	0	28.5	0	117	29.2	71.9	130	2,398
1/22/2014	1/22/2014	71	84	2,179	665	2,844	0	30.1	0	144	30.8	75	136	2,708
1/23/2014	1/23/2014	66	78	2,191	686	2,877	9	30.6	0	124	30.7	74.3	145	2,732
1/24/2014	1/24/2014	46	57	1,482	480	1,962	17.1	17.9	0	39	24.8	53.3	113	1,849
1/25/2014	1/25/2014	55	64	1,685	514	2,199	0	13.2	0	29	16	31.2	60	2,139
1/26/2014	1/26/2014	63	81	1,959	602	2,561	0	0.3	0	63	0	0	0	2,561
1/27/2014	1/27/2014	77	89	2,193	697	2,890	0	0.4	0	91	0	0	0	2,890
1/28/2014	1/28/2014	72	82	2,101	678	2,779	8.6	23.3	0	114	25.9	58.1	116	2,663
1/29/2014	1/29/2014	50	60	1,520	502	2,022	31.9	21.4	0	105	27.7	57.4	138	1,884
1/30/2014	1/30/2014	55	64	1,700	518	2,218	0	23.7	0	106	28.1	61.9	114	2,104
1/31/2014	1/31/2014	66	71	1,769	555	2,324	0	20.8	0	68	27.2	59.2	107	2,217
2/1/2014	2/1/2014	59	67	1,759	515	2,274	0	16.1	0	30	24.5	49.4	90	2,184
2/2/2014	2/2/2014	64	70	1,805	558	2,363	0	22.7	0	81	26.4	59.8	109	2,254
2/3/2014	2/3/2014	56	60	1,655	474	2,129	38.3	25.2	0	124	28.1	61.6	153	1,976
2/4/2014	2/4/2014	59	68	1,823	538	2,361	29.9	28.3	0	88	28.2	63.5	150	2,211
2/5/2014	2/5/2014	70	80	2,103	640	2,743	9.6	30.1	0	114	29.7	72.3	142	2,601
2/6/2014	2/6/2014	69	79	2,051	642	2,693	6.6	29.5	0	144	29.2	74.3	140	2,553
2/7/2014	2/7/2014	63	70	1,875	582	2,457	4.1	22.7	0	57	27.6	62.8	117	2,340
2/8/2014	2/8/2014	61	65	1,754	494	2,248	0	17.9	0	30	25.5	52.1	96	2,153
2/9/2014	2/9/2014	70	79	1,993	619	2,612	0	27	0	88	28.4	69.3	125	2,487
2/10/2014	2/10/2014	73	79	2,063	619	2,682	0	33.5	0	147	31.5	77.6	143	2,539
2/11/2014	2/11/2014	63	73	1,850	620	2,470	0	26.8	0	93	30.7	65.3	123	2,347
2/12/2014	2/12/2014	49	54	1,467	438	1,905	0	20.2	0	101	27	55.9	103	1,802
2/13/2014	2/13/2014	49	58	1,690	530	2,220	13.8	23.9	0	89	27.2	61.4	126	2,094

2/14/2014	2/14/2014	61	69	1,735	530	2,265	24.4	22	0	66	27.1	58.5	132	2,133
2/15/2014	2/15/2014	53	60	1,595	473	2,068	0	19.5	0	27	24.2	47.3	91	1,977
2/16/2014	2/16/2014	51	60	1,406	451	1,857	0	22.3	0	59	24.4	50.5	97	1,760
2/17/2014	2/17/2014	42	47	1,362	416	1,778	8.6	21.9	0	81	25.9	55.4	112	1,666
2/18/2014	2/18/2014	36	40	1,076	303	1,379	33.3	15.2	0	85	21.4	41.1	111	1,268
2/19/2014	2/19/2014	35	39	978	278	1,256	14.3	13.2	0	39	20.7	40.9	89	1,167
2/20/2014	2/20/2014	43	53	1,350	447	1,797	0	19.4	0	27	23.1	51	94	1,704
2/21/2014	2/21/2014	54	65	1,567	512	2,079	32	15.9	0	38	24.6	55.6	128	1,951
2/22/2014	2/22/2014	59	68	1,559	495	2,054	0	14.9	0	39	23.3	46.1	84	1,970
2/23/2014	2/23/2014	61	71	1,675	582	2,257	1.8	22.9	0	67	24.8	55.4	105	2,152
2/24/2014	2/24/2014	64	72	1,802	568	2,370	49.8	26.5	0	109	29.4	64.1	170	2,200
2/25/2014	2/25/2014	70	81	2,017	648	2,665	0	30.8	0	90	30.4	72.1	133	2,532
2/26/2014	2/26/2014	64	79	1,997	666	2,663	0	28.5	0	104	30.2	69.8	129	2,535
2/27/2014	2/27/2014	73	80	2,038	646	2,684	0	29.4	0	138	31.5	75.1	136	2,548
2/28/2014	2/28/2014	58	66	1,708	559	2,267	0	21.4	0	68	27.3	58.1	107	2,160
12/1/2014	12/1/2014	57	64	1,922	558	2,480	44.5	24.9	89	133	28.2	67.6	254	2,226
12/2/2014	12/2/2014	45	51	1,916	443	2,359	17.8	20.7	476	133	24.9	54.6	594	1,765
12/3/2014	12/3/2014	47	52	1,846	438	2,284	5.1	19.6	410	111	24.5	52.2	511	1,773
12/4/2014	12/4/2014	39	44	1,248	312	1,560	17.9	13.3	59	105	23.2	42.3	156	1,404
12/5/2014	12/5/2014	40	43	1,568	310	1,878	0	12.4	435	78	20.9	35.6	504	1,374
12/6/2014	12/6/2014	37	41	1,218	279	1,497	0	9.8	0	28	19.7	28.1	58	1,439
12/7/2014	12/7/2014	34	40	1,192	293	1,485	0	11.3	0	40	20.4	40.7	72	1,413
12/8/2014	12/8/2014	38	44	1,381	407	1,788	14.1	16.5	0	106	22.9	43.5	97	1,691
12/9/2014	12/9/2014	42	45	1,382	448	1,830	53.8	15.3	0	106	22.9	44.9	137	1,693
12/10/2014	12/10/2014	39	42	1,333	339	1,672	38	15	0	103	22.6	44.3	120	1,552
12/11/2014	12/11/2014	37	40	1,329	329	1,658	69.5	15	33	107	21.9	41	180	1,478
12/12/2014	12/12/2014	29	32	1,281	302	1,583	8	11.3	242	71	18.7	33	313	1,270
12/13/2014	12/13/2014	23	26	789	181	970	0	7.4	0	12	14.7	20.2	42	928
12/14/2014	12/14/2014	19	21	728	201	929	13.8	8.4	0	30	15.3	25.4	63	866
12/15/2014	12/15/2014	30	34	912	227	1,139	45.6	13.4	0	70	17	29.8	106	1,033
12/16/2014	12/16/2014	47	55	1,563	428	1,991	12.4	20.3	0	116	24.3	45.9	103	1,888
12/17/2014	12/17/2014	50	53	1,529	405	1,934	15.9	21.2	0	123	24.2	48.4	110	1,824
12/18/2014	12/18/2014	45	46	1,414	414	1,828	0	21	0	128	24.1	46	91	1,737
12/19/2014	12/19/2014	39	43	1,252	340	1,592	0	15.3	0	90	22.5	37.2	75	1,517
12/20/2014	12/20/2014	34	38	1,147	276	1,423	0	9.8	0	21	21	28.4	59	1,364
12/21/2014	12/21/2014	30	36	1,083	311	1,394	11	12.4	0	41	19.4	35.9	79	1,315
12/22/2014	12/22/2014	31	35	1,068	278	1,346	20.9	15.4	0	84	20.4	36.4	93	1,253
12/23/2014	12/23/2014	32	37	1,417	279	1,696	10.5	14.5	367	89	18.6	36.2	447	1,249
12/24/2014	12/24/2014	35	40	1,119	319	1,438	0	14.5	0	45	19.9	37	71	1,367
12/25/2014	12/25/2014	36	39	1,112	254	1,366	0	14.6	0	17	20	40.1	75	1,291
12/26/2014	12/26/2014	36	41	1,157	292	1,449	0	13.6	0	15	18.9	37.1	70	1,379
12/27/2014	12/27/2014	50	56	1,542	415	1,957	0	14.5	0	22	21.6	36.9	73	1,884
12/28/2014	12/28/2014	53	57	1,557	448	2,005	4.1	18.2	0	66	23.2	47.7	93	1,912
12/29/2014	12/29/2014	67	74	2,015	606	2,621	42.8	25.7	0	152	27	67.3	163	2,458
12/30/2014	12/30/2014	71	79	2,196	659	2,855	23.2	27.9	0	170	30.3	77.3	159	2,696
12/31/2014	12/31/2014	61	73	2,003	592	2,595	20.4	25.3	0	108	29.5	66.2	141	2,454
1/1/2015	1/1/2015	48	53	1,511	409	1,920	0	19.8	0	61	25.5	54.6	100	1,820
1/2/2015	1/2/2015	49	53	1,403	382	1,785	0	15.4	0	129	23.7	45	84	1,701
1/3/2015	1/3/2015	50	58	1,469	400	1,869	0	15	0	39	22.2	37.1	74	1,795
1/4/2015	1/4/2015	72	84	2,292	670	2,962	6.5	26	0	87	28	67.8	128	2,834
1/5/2015	1/5/2015	70	76	2,317	649	2,966	47.6	31.8	0	175	33.4	82.2	195	2,771
1/6/2015	1/6/2015	68	81	2,267	682	2,949	0	29.9	0	189	32.7	74.3	137	2,812
1/7/2015	1/7/2015	70	82	2,383	728	3,111	0	31.4	0	184	34.5	81	147	2,964
1/8/2015	1/8/2015	60	76	2,247	693	2,940	33.7	28.7	0	155	33.7	73.5	170	2,770
1/9/2015	1/9/2015	68	78	2,174	693	2,867	0	25.2	0	165	33	72.7	131	2,736
1/10/2015	1/10/2015	54	60	1,810	519	2,329	0	18.3	0	41	28.1	52.6	99	2,230
1/11/2015	1/11/2015	57	63	1,746	505	2,251	8.5	20.7	0	72	27.6	58.9	116	2,135
1/12/2015	1/12/2015	71	76	2,317	674	2,991	57.1	29.7	0	175	31.5	78.7	197	2,794
1/13/2015	1/13/2015	62	69	1,884	539	2,423	38	23.3	0	141	29.5	60.8	152	2,271
1/14/2015	1/14/2015	44	49	1,571	428	1,999	58.1	18.3	0	131	25.3	53.2	155	1,844
1/15/2015	1/15/2015	42	46	1,427	396	1,823	81.3	17	0	110	22.7	46.2	167	1,656
1/16/2015	1/16/2015	37	42	1,256	373	1,629	22.6	13	0	96	21.9	38.3	96	1,533
1/17/2015	1/17/2015	34	40	1,164	325	1,489	0	10.9	0	17	18.3	30.7	60	1,429
1/18/2015	1/18/2015	39	42	1,208	355	1,563	0	14.2	0	48	20.8	38.9	74	1,489
1/19/2015	1/19/2015	35	38	1,251	285	1,536	61.1	16.2	0	93	22.1	43.7	143	1,393
1/20/2015	1/20/2015	36	39	1,230	297	1,527	42.8	13.6	0	94	20.9	39.9	117	1,410
1/21/2015	1/21/2015	40	44	1,282	340	1,622	0	15.6	0	99	20.9	43.2	80	1,542
1/22/2015	1/22/2015	41	48	1,408	450	1,858	0	17.4	0	122	23.2	45.3	86	1,772
1/23/2015	1/23/2015	37	42	1,212	377	1,589	0	12.3	0	62	21	41.1	74	1,515
1/24/2015	1/24/2015	34	37	959	263	1,222	0	9.2	0	9	16.9	25.5	52	1,170
1/25/2015	1/25/2015	40	44	1,283	389	1,672	0	14.5	0	48	21	37.3	73	1,599
1/26/2015	1/26/2015	32	36	1,073	275	1,348	35.2	17.5	0	96	18.3	38.3	109	1,239
1/27/2015	1/27/2015	38	43	1,289	346	1,635	36.7	17.3	0	115	21.4	38.3	114	1,521
1/28/2015	1/28/2015	36	42	1,318	327	1,645	79.6	15.9	0	94	20.7	39.8	156	1,489
1/29/2015	1/29/2015	46	54	1,564	424	1,988	12.9	17.5	0	100	23.1	48	102	1,887
1/30/2015	1/30/2015	49	54	1,424	424	1,848	0	15.4	0	116	22.6	44	82	1,766
1/31/2015	1/31/2015	42	48	1,394	384	1,778	0	14.2	0	25	20.9	31.7	67	1,711
2/1/2015	2/1/2015	62	72	1,928	590	2,518	0	24	0	77	25.3	55.2	105	2,414
2/2/2015	2/2/2015	62	68	1,940	550	2,490	31.2	26.9	0	149	28.5	67.2	154	2,336
2/3/2015	2/3/2015	56	59	1,716	485	2,201	16.6	22	0	151	26.7	57.5	123	2,078
2/4/2015	2/4/2015	68	76	2,061	589	2,650	24.7	25.8	0	175	28.8	71.1	150	2,500
2/5/2015	2/5/2015	61	70	1,907	621	2,528	0	23.9	0	162	28.1	60.8	113	2,415
2/6/2015	2/6/2015	44	48	1,353	399	1,752	0	14.1	0	96	23.1	43.3	81	1,672
2/7/2015	2/7/2015	35	38	1,075	288	1,363	0	10.3	0	13	19.3	25.8	55	1,308

2/8/2015	2/8/2015	38	42	1,253	378	1,631	4.3	15.4	0	48	20.9	36.1	77	1,554
2/9/2015	2/9/2015	44	47	1,440	355	1,795	41.8	19.5	0	105	22.4	48.3	132	1,663
2/10/2015	2/10/2015	38	46	1,470	416	1,886	0	19.6	0	104	22.7	48.3	91	1,795
2/11/2015	2/11/2015	58	73	1,943	577	2,520	28.5	22.9	0	130	25.9	59.1	136	2,384
2/12/2015	2/12/2015	59	65	1,969	544	2,513	52.8	23.9	0	143	28.8	61.8	167	2,346
2/13/2015	2/13/2015	51	62	1,681	514	2,195	0	19.1	0	98	25.1	50.1	94	2,101
2/14/2015	2/14/2015	67	76	2,116	581	2,697	0	22.8	0	34	26.8	51	101	2,596
2/15/2015	2/15/2015	62	69	1,959	561	2,520	0	24.6	0	73	28.4	58.9	112	2,408
2/16/2015	2/16/2015	55	62	1,811	509	2,320	9.6	23.5	0	149	27.7	70.4	131	2,189
2/17/2015	2/17/2015	66	77	2,128	595	2,723	33.5	25.2	0	181	30.2	69.7	159	2,564
2/18/2015	2/18/2015	73	84	2,379	663	3,042	0	28.2	0	189	32.9	82.3	143	2,899
2/19/2015	2/19/2015	66	73	2,034	568	2,602	0	26.4	0	166	30.4	76.6	133	2,469
2/20/2015	2/20/2015	48	53	1,546	464	2,010	0	17.4	0	108	25.2	46.9	90	1,921
2/21/2015	2/21/2015	58	67	1,805	496	2,301	0	21.5	0	29	24.4	43.7	90	2,211
2/22/2015	2/22/2015	73	82	2,301	629	2,930	0	30.3	0	95	30.6	70.5	131	2,799
2/23/2015	2/23/2015	57	69	1,939	617	2,556	8.1	23.5	6	149	29.4	64.1	131	2,425
2/24/2015	2/24/2015	45	53	1,619	434	2,053	58.1	21.2	0	127	24.2	53.3	157	1,896
2/25/2015	2/25/2015	63	70	1,977	574	2,551	60.2	24.5	0	178	28.3	67	180	2,371
2/26/2015	2/26/2015	70	78	2,104	608	2,712	8.1	26.5	0	180	30.7	72.3	138	2,574
2/27/2015	2/27/2015	69	75	2,094	607	2,701	43.6	25	0	158	27.8	62.8	159	2,542
2/28/2015	2/28/2015	58	66	1,808	503	2,311	0	18.2	0	24	24.6	43.9	87	2,224
			Max	2,534	782	3,310	82	36	476	202	35	98	594	3,141
			Min	613	162	775	0	0	0	9	0	0	0	719
		12/1/2012	2/28/2014	76.55%	23.45%	100.00%								
		12/1/2012	2/28/2015	77.11%	22.89%	100.00%								

		Rochester Unadj. HDD	Rochester Adj. HDD	Hayfield #1 Through-Put	Hayfield #2 Through-Put	Hayfield Through-Put	4040634 Interstate Mill	4110056 ISD #203	4210190 I F P Inc	4372369 Hayfield Grain Enterprise	5251804 Paul Stanton	Hayfield Total IT Volumes	Hayfield Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	251	18	269	0	26.5	4	0		31	239
12/2/2012	12/2/2012	22	25	213	36	249	0	22.5	23	0		46	204
12/3/2012	12/3/2012	18	21	218	49	267	0	17.9	36	0		54	213
12/4/2012	12/4/2012	36	40	349	76	425	0	37.4	50	0		87	338
12/5/2012	12/5/2012	32	38	337	67	404	0	36	48	0		84	320
12/6/2012	12/6/2012	30	33	295	67	362	0	32.7	49	0		82	280
12/7/2012	12/7/2012	35	38	340	40	380	0	32.9	25	0		58	322
12/8/2012	12/8/2012	32	35	316	22	338	0	31.7	4	0		36	302
12/9/2012	12/9/2012	41	47	362	58	420	0	41.9	32	0		74	346
12/10/2012	12/10/2012	54	59	486	99	585	0	49.1	67	0		116	469
12/11/2012	12/11/2012	44	48	417	85	502	0	44.8	61	0		106	396
12/12/2012	12/12/2012	30	36	354	81	435	0	36.6	59	0		96	339
12/13/2012	12/13/2012	36	38	365	85	450	0	41.1	59	0		100	350
12/14/2012	12/14/2012	32	36	299	45	344	0	30	31	0		61	283
12/15/2012	12/15/2012	29	32	292	27	319	0	27.2	12	0		39	280
12/16/2012	12/16/2012	40	44	409	72	481	0	42.8	43	0		86	395
12/17/2012	12/17/2012	41	43	397	76	473	0	41.5	56	0		98	376
12/18/2012	12/18/2012	36	39	369	85	454	0	38.9	59	0		98	356
12/19/2012	12/19/2012	36	40	366	68	434	0	35.5	48	0		84	351
12/20/2012	12/20/2012	49	61	507	99	606	0	50.5	61	0		112	495
12/21/2012	12/21/2012	53	58	521	76	597	0	49.4	50	0		99	498
12/22/2012	12/22/2012	44	48	458	45	503	0	44.3	19	0		63	440
12/23/2012	12/23/2012	48	51	472	45	517	0	47.7	19	0		67	450
12/24/2012	12/24/2012	55	61	519	32	551	0	53.9	4	0		58	493
12/25/2012	12/25/2012	57	62	555	59	614	0	58.4	20	0		78	536
12/26/2012	12/26/2012	53	55	540	113	653	0	58.4	80	0		138	515
12/27/2012	12/27/2012	49	52	482	109	591	0	49.9	79	0		129	462
12/28/2012	12/28/2012	45	49	447	90	537	0	42.2	69	0		111	426
12/29/2012	12/29/2012	57	63	524	36	560	0	46.4	7	0		53	507
12/30/2012	12/30/2012	51	58	494	36	530	0	50.2	8	0		58	472
1/1/2013	1/1/2013	61	66	575	90	665	0	66	49	0		115	550
1/2/2013	1/2/2013	48	53	497	108	605	0	52.2	81	0		133	472
1/3/2013	1/3/2013	51	59	539	108	647	0	53.1	76	0		129	518
1/4/2013	1/4/2013	47	51	452	59	511	0	40.1	40	0		80	431
1/5/2013	1/5/2013	47	54	465	36	501	0	41	8	0		49	452
1/6/2013	1/6/2013	48	55	481	76	557	0	47.4	46	0		93	464
1/7/2013	1/7/2013	42	46	410	86	496	0	46.2	63	0		109	387
1/8/2013	1/8/2013	39	45	378	86	464	0	38.4	62	0		100	364
1/9/2013	1/9/2013	38	43	354	77	431	0	36.3	56	0		92	339
1/10/2013	1/10/2013	32	36	340	72	412	0	35.6	54	0		90	322
1/11/2013	1/11/2013	34	39	341	54	395	0	30.1	34	0		64	331
1/12/2013	1/12/2013	54	62	534	54	588	0	44	22	0		66	522
1/13/2013	1/13/2013	57	63	587	90	677	0	59	51	0		110	567
1/14/2013	1/14/2013	50	55	527	107	634	0	54	77	0		131	503
1/15/2013	1/15/2013	41	48	450	94	544	0	45.3	67	0		112	432
1/16/2013	1/16/2013	42	47	453	90	543	0	47.2	61	0		108	435
1/17/2013	1/17/2013	45	50	472	94	566	0	44.1	67	0		111	455
1/18/2013	1/18/2013	28	32	324	40	364	0	29.8	30	0		60	304
1/19/2013	1/19/2013	44	53	515	36	551	0	53.3	3	0		56	495
1/20/2013	1/20/2013	63	73	648	99	747	0	65	52	0		117	630
1/21/2013	1/21/2013	69	78	733	139	872	0	77.5	95	0		173	700
1/22/2013	1/22/2013	62	67	626	130	756	0	62.9	94	0		157	599
1/23/2013	1/23/2013	58	67	632	139	771	0	65.3	100	0		165	606
1/24/2013	1/24/2013	58	66	605	130	735	0	60.8	95	0		156	579
1/25/2013	1/25/2013	53	60	587	90	677	0	58.9	56	0		115	562
1/26/2013	1/26/2013	47	54	489	45	534	0	50	19	0		69	465
1/27/2013	1/27/2013	34	37	388	72	460	0	40.2	48	0		88	372
1/28/2013	1/28/2013	31	34	346	90	436	0	37.4	67	0		104	332
1/29/2013	1/29/2013	37	44	393	90	483	0	41.8	65	0		107	376
1/30/2013	1/30/2013	53	65	580	112	692	0	58.6	72	0		131	561
1/31/2013	1/31/2013	69	82	737	130	867	0	73.4	82	0		155	712
2/1/2013	2/1/2013	64	70	614	85	699	0	57.4	57	0		114	585
2/2/2013	2/2/2013	54	59	535	58	593	0	51.7	26	0		78	515
2/3/2013	2/3/2013	54	59	523	90	613	0	53.1	56	0		109	504
2/4/2013	2/4/2013	50	56	494	99	593	0	50	69	0		119	474
2/5/2013	2/5/2013	47	52	455	90	545	0	45.6	71	0		117	428
2/6/2013	2/6/2013	39	43	388	90	478	0	41.5	59	0		101	378
2/7/2013	2/7/2013	39	44	418	95	513	0	43.4	67	0		110	403
2/8/2013	2/8/2013	41	46	425	68	493	0	39.9	47	0		87	406
2/9/2013	2/9/2013	36	42	412	40	452	0	36.8	17	0		54	398
2/10/2013	2/10/2013	33	39	385	67	452	0	40.1	46	0		86	366
2/11/2013	2/11/2013	43	51	482	99	581	0	46.7	67	0		114	467
2/12/2013	2/12/2013	38	42	379	86	465	0	40.4	63	0		103	362
2/13/2013	2/13/2013	34	38	350	90	440	0	37.3	67	0		104	336
2/14/2013	2/14/2013	45	51	448	95	543	0	41.4	67	0		108	435

2/15/2013	2/15/2013	55	61	533	77	610	0	49.2	48	0		97	513
2/16/2013	2/16/2013	51	54	478	36	514	0	43.1	8	0		51	463
2/17/2013	2/17/2013	41	49	419	67	486	0	40.9	39	0		80	406
2/18/2013	2/18/2013	46	57	589	113	702	0	61.9	72	0		134	568
2/19/2013	2/19/2013	65	76	694	117	811	0	70.9	77	0		148	663
2/20/2013	2/20/2013	56	59	558	103	661	0	59.6	67	0		127	534
2/21/2013	2/21/2013	49	55	510	95	605	0	51.3	69	0		120	485
2/22/2013	2/22/2013	43	47	410	58	468	0	38.3	37	0		75	393
2/23/2013	2/23/2013	52	56	454	32	486	0	41.3	4	0		45	441
2/24/2013	2/24/2013	47	49	382	59	441	0	39.9	37	0		77	364
2/25/2013	2/25/2013	35	37	374	86	460	0	39.9	62	0		102	358
2/26/2013	2/26/2013	35	41	372	90	462	0	39.3	69	0		108	354
2/27/2013	2/27/2013	34	40	370	81	451	0	40.2	58	0		98	353
2/28/2013	2/28/2013	40	44	404	77	481	0	39.8	54	0		94	387
12/1/2013	12/1/2013	35	37	352	64	416	17	37.4	40	0	0	94	322
12/2/2013	12/2/2013	30	34	435	77	512	132	34	60	0	0	226	286
12/3/2013	12/3/2013	31	34	345	77	422	33	32.1	57	0	0	122	300
12/4/2013	12/4/2013	43	51	492	95	587	66	44	67	0	0	177	410
12/5/2013	12/5/2013	60	70	594	118	712	0	63.9	80	0	0	144	568
12/6/2013	12/6/2013	64	72	644	90	734	0	67.3	60	0	0	127	607
12/7/2013	12/7/2013	63	67	587	59	646	0	63.6	26	0	0	90	556
12/8/2013	12/8/2013	59	64	545	94	639	0	60.7	64	0	0	125	514
12/9/2013	12/9/2013	60	71	644	117	761	0	64.9	80	0	0	145	616
12/10/2013	12/10/2013	61	70	645	117	762	63	60.4	86	0	0	209	553
12/11/2013	12/11/2013	64	72	640	117	757	0	66.5	81	0	0	148	610
12/12/2013	12/12/2013	49	52	582	113	695	87	52.1	82	0	0	221	474
12/13/2013	12/13/2013	48	54	538	82	620	38	48	60	0	0	146	474
12/14/2013	12/14/2013	58	66	722	59	781	172	50.1	25	0	0	247	534
12/15/2013	12/15/2013	61	66	653	100	753	84	57.8	62	0	0	204	549
12/16/2013	12/16/2013	46	53	571	113	684	81	50.6	86	0	0	218	466
12/17/2013	12/17/2013	47	55	573	100	673	97	47.3	70	0	0	214	459
12/18/2013	12/18/2013	36	41	643	91	734	247	41.2	69	0	0	357	377
12/19/2013	12/19/2013	45	52	730	105	835	245	47.3	77	0	0	369	466
12/20/2013	12/20/2013	46	49	616	78	694	149	44.7	52	0	0	246	448
12/21/2013	12/21/2013	45	51	593	46	639	139	40.2	21	0	0	200	439
12/22/2013	12/22/2013	59	68	576	104	680	0	59.5	61	0	0	121	560
12/23/2013	12/23/2013	73	81	704	100	804	0	80.1	62	0	0	142	662
12/24/2013	12/24/2013	61	70	611	59	670	0	67.7	27	0	0	95	575
12/25/2013	12/25/2013	46	52	489	59	548	0	54.8	28	0	0	83	465
12/26/2013	12/26/2013	43	46	653	55	708	241	39.8	34	0	0	315	393
12/27/2013	12/27/2013	35	40	407	32	439	44	34	14	0	0	92	347
12/28/2013	12/28/2013	42	50	390	32	422	0	47.8	8	0	0	56	366
12/29/2013	12/29/2013	70	78	702	86	788	40	69.7	45	0	0	155	633
12/30/2013	12/30/2013	70	75	670	104	774	7	70.6	74	0	0	152	622
1/1/2014	1/1/2014	68	75	654	81	735	0	68.7	40	0	0	109	626
1/2/2014	1/2/2014	72	78	688	123	811	14	68	87	0	0	169	642
1/3/2014	1/3/2014	47	58	585	109	694	0	58.5	73	0	0	132	563
1/4/2014	1/4/2014	60	70	599	95	694	0	64.1	64	0	0	128	566
1/5/2014	1/5/2014	79	95	794	123	917	0	84.2	71	0	0	155	762
1/6/2014	1/6/2014	81	94	817	123	940	0	88.5	79	0	0	168	773
1/7/2014	1/7/2014	68	73	672	119	791	0	74.3	83	0	0	157	634
1/8/2014	1/8/2014	71	77	670	124	794	0	68.3	85	0	0	153	641
1/9/2014	1/9/2014	52	61	556	120	676	0	55.4	90	0	0	145	531
1/10/2014	1/10/2014	38	41	394	83	477	0	34.7	62	0	0	97	380
1/11/2014	1/11/2014	39	45	421	84	505	0	36.5	57	0	0	94	412
1/12/2014	1/12/2014	31	35	344	88	432	0	35.7	64	0	0	100	332
1/13/2014	1/13/2014	36	42	361	89	450	0	40.3	68	0	0	108	342
1/14/2014	1/14/2014	55	67	545	116	661	0	54.5	81	0	0	136	526
1/15/2014	1/15/2014	49	58	503	102	605	0	51.5	70	0	0	122	484
1/16/2014	1/16/2014	48	60	595	110	705	0	64.4	79	0	0	143	562
1/17/2014	1/17/2014	58	66	571	105	676	0	55.5	72	0	0	128	549
1/18/2014	1/18/2014	49	56	495	86	581	0	52.2	59	0	0	111	470
1/19/2014	1/19/2014	35	41	373	73	446	0	42.1	51	0	0	93	353
1/20/2014	1/20/2014	59	68	581	100	681	0	60.3	64	0	0	124	557
1/21/2014	1/21/2014	68	75	636	96	732	0	65.2	61	0	0	126	606
1/22/2014	1/22/2014	71	84	709	128	837	0	72.4	77	0	0	149	688
1/23/2014	1/23/2014	66	78	711	124	835	0	71.7	86	0	0	158	677
1/24/2014	1/24/2014	46	57	479	96	575	0	51.8	70	0	0	122	453
1/25/2014	1/25/2014	55	64	530	87	617	0	36.5	58	0	0	95	523
1/26/2014	1/26/2014	63	81	571	96	667	0	1.3	26	0	0	27	640
1/27/2014	1/27/2014	77	89	679	96	775	0	0	78	0	0	78	697
1/28/2014	1/28/2014	72	82	676	133	809	0	54.8	102	0	0	157	652
1/29/2014	1/29/2014	50	60	501	132	633	0	49.2	92	0	0	141	492
1/30/2014	1/30/2014	55	64	568	123	691	0	57.8	90	0	0	148	543
1/31/2014	1/31/2014	66	71	598	119	717	0	57.5	86	0	0	144	574
2/1/2014	2/1/2014	59	67	585	101	686	0	61	71	0	0	132	554
2/2/2014	2/2/2014	64	70	594	59	653	0	60.7	24	0	0	85	568
2/3/2014	2/3/2014	56	60	540	114	654	0	55.9	79	0	0	135	519
2/4/2014	2/4/2014	59	68	591	118	709	0	59.9	78	0	0	138	571
2/5/2014	2/5/2014	70	80	682	119	801	0	67.4	84	0	0	151	650

2/6/2014	2/6/2014	69	79	679	118	797	0	68	81	0	0	149	648
2/7/2014	2/7/2014	63	70	608	86	694	0	60.3	52	0	0	112	582
2/8/2014	2/8/2014	61	65	571	77	648	0	59.8	27	0	0	87	561
2/9/2014	2/9/2014	70	79	658	77	735	0	69.3	58	0	0	127	608
2/10/2014	2/10/2014	73	79	673	118	791	0	67.3	76	0	0	143	648
2/11/2014	2/11/2014	63	73	617	109	726	0	61.7	76	0	0	138	588
2/12/2014	2/12/2014	49	54	496	96	592	0	48.2	71	0	0	119	473
2/13/2014	2/13/2014	49	58	561	111	672	0	55.2	72	0	0	127	545
2/14/2014	2/14/2014	61	69	574	69	643	0	56.1	51	0	0	107	536
2/15/2014	2/15/2014	53	60	546	64	610	0	54.2	24	0	0	78	532
2/16/2014	2/16/2014	51	60	488	82	570	0	50.9	51	0	0	102	468
2/17/2014	2/17/2014	42	47	434	95	529	0	45.8	68	0	0	114	415
2/18/2014	2/18/2014	36	40	346	77	423	0	34.7	58	0	0	93	330
2/19/2014	2/19/2014	35	39	313	91	404	0	32.1	70	0	0	102	302
2/20/2014	2/20/2014	43	53	436	37	473	0	44.5	14	0	0	59	415
2/21/2014	2/21/2014	54	65	503	36	539	0	47.3	6	0	0	53	486
2/22/2014	2/22/2014	59	68	514	36	550	0	49.9	7	0	0	57	493
2/23/2014	2/23/2014	61	71	542	87	629	0	53.7	49	0	0	103	526
2/24/2014	2/24/2014	64	72	576	124	700	0	56.5	90	0	0	147	554
2/25/2014	2/25/2014	70	81	653	134	787	0	62.5	92	0	0	155	633
2/26/2014	2/26/2014	64	79	651	129	780	0	61.4	92	0	0	153	627
2/27/2014	2/27/2014	73	80	677	129	806	0	63.7	84	0	0	148	658
2/28/2014	2/28/2014	58	66	571	106	677	0	55.5	74	0	0	130	548
12/1/2014	12/1/2014	57	64	777	79	856	210	55	59	0	0	324	532
12/2/2014	12/2/2014	45	51	463	9	472	0	47.2	60	0	0	107	365
12/3/2014	12/3/2014	47	52	431	51	482	0	43	59	0	0	102	380
12/4/2014	12/4/2014	39	44	583	60	643	211	39.5	61	0	0	312	332
12/5/2014	12/5/2014	40	43	622	79	701	260	33.1	56	0	0	349	352
12/6/2014	12/6/2014	37	41	683	33	716	313	30.8	50	0	0	394	322
12/7/2014	12/7/2014	34	40	516	32	548	157	35.2	54	0	0	246	302
12/8/2014	12/8/2014	38	44	405	32	437	0	40	59	0	0	99	338
12/9/2014	12/9/2014	42	45	367	32	399	0	39.8	55	0	0	95	304
12/10/2014	12/10/2014	39	42	407	32	439	30	38	55	0	0	123	316
12/11/2014	12/11/2014	37	40	563	32	595	200	36.6	59	0	0	296	299
12/12/2014	12/12/2014	29	32	320	32	352	0	27.7	42	0	0	70	282
12/13/2014	12/13/2014	23	26	242	32	274	0	22.5	44	0	0	67	208
12/14/2014	12/14/2014	19	21	207	32	239	0	24.7	41	0	0	66	173
12/15/2014	12/15/2014	30	34	272	32	304	0	29	46	0	0	75	229
12/16/2014	12/16/2014	47	55	465	32	497	0	45.4	56	0	0	101	396
12/17/2014	12/17/2014	50	53	477	32	509	0	49.8	60	0	0	110	399
12/18/2014	12/18/2014	45	46	422	32	454	0	41.3	55	0	0	96	358
12/19/2014	12/19/2014	39	43	376	32	408	0	38.5	47	0	0	86	323
12/20/2014	12/20/2014	34	38	351	32	383	0	36.5	43	0	0	80	304
12/21/2014	12/21/2014	30	36	324	32	356	0	35	47	0	0	82	274
12/22/2014	12/22/2014	31	35	324	33	357	0	34.4	52	0	0	86	271
12/23/2014	12/23/2014	32	37	321	33	354	0	30.5	55	0	0	86	269
12/24/2014	12/24/2014	35	40	330	33	363	0	30.3	16	0	0	46	317
12/25/2014	12/25/2014	36	39	318	33	351	0	34.1	4	0	0	38	313
12/26/2014	12/26/2014	36	41	343	33	376	1	33.2	5	0	0	39	337
12/27/2014	12/27/2014	50	56	457	32	489	0	40.5	4	0	0	45	445
12/28/2014	12/28/2014	53	57	458	32	490	0	49.1	58	0	0	107	383
12/29/2014	12/29/2014	67	74	599	32	631	0	64.1	71	0	0	135	496
12/30/2014	12/30/2014	71	79	660	32	692	0	67.3	65	0	0	132	560
12/31/2014	12/31/2014	61	73	585	32	617	0	61.6	33	0	0	95	522
1/1/2015	1/1/2015	48	53	455	37	492	0	51.6	41	0	0	93	399
1/2/2015	1/2/2015	49	53	427	37	464	0	43.7	59	0	0	103	361
1/3/2015	1/3/2015	50	58	446	37	483	0	44.9	53	0	0	98	385
1/4/2015	1/4/2015	72	84	679	37	716	0	68.4	65	0	0	133	583
1/5/2015	1/5/2015	70	76	672	37	709	0	71.4	76	0	0	147	562
1/6/2015	1/6/2015	68	81	685	37	722	0	72.7	80	0	0	153	569
1/7/2015	1/7/2015	70	82	705	37	742	0	77.6	79	0	0	157	585
1/8/2015	1/8/2015	60	76	672	115	787	0	70.6	48	0	0	119	668
1/9/2015	1/9/2015	68	78	661	116	777	0	63.9	75	0	0	139	638
1/10/2015	1/10/2015	54	60	560	116	676	0	57.1	63	0	0	120	556
1/11/2015	1/11/2015	57	63	527	116	643	0	56.7	65	0	0	122	521
1/12/2015	1/12/2015	71	76	643	118	761	0	66.9	78	0	0	145	616
1/13/2015	1/13/2015	62	69	545	116	661	0	54	65	0	0	119	542
1/14/2015	1/14/2015	44	49	591	116	707	136	45.3	68	0	0	249	458
1/15/2015	1/15/2015	42	46	692	116	808	291	38.4	65	0	0	394	414
1/16/2015	1/16/2015	37	42	615	115	730	237	32.3	56	0	0	325	405
1/17/2015	1/17/2015	34	40	344	116	460	0	28.8	50	0	0	79	381
1/18/2015	1/18/2015	39	42	338	116	454	0	34.3	53	0	0	87	367
1/19/2015	1/19/2015	35	38	328	116	444	9	33.3	60	0	0	102	342
1/20/2015	1/20/2015	36	39	948	116	1,064	579	36.4	64	0	0	679	385
1/21/2015	1/21/2015	40	44	1,009	116	1,125	609	36.1	63	0	0	708	417
1/22/2015	1/22/2015	41	48	926	116	1,042	499	36.9	60	0	0	596	446
1/23/2015	1/23/2015	37	42	964	116	1,080	583	32.5	32	0	0	648	433
1/24/2015	1/24/2015	34	37	304	116	420	6	27.6	5	0	0	39	381
1/25/2015	1/25/2015	40	44	408	116	524	27	36.3	32	0	0	95	429
1/26/2015	1/26/2015	32	36	889	116	1,005	564	32.3	53	0	0	649	356

1/27/2015	1/27/2015	38	43	978	116	1,094	603	35.6	61	0	0	700	394
1/28/2015	1/28/2015	36	42	958	116	1,074	575	34.7	57	0	0	667	407
1/29/2015	1/29/2015	46	54	1,055	116	1,171	581	45.3	61	0	0	687	484
1/30/2015	1/30/2015	49	54	942	116	1,058	513	37.1	35	0	0	585	473
1/31/2015	1/31/2015	42	48	410	116	526	0	35.3	6	0	0	41	485
2/1/2015	2/1/2015	62	72	553	93	646	0	54.6	37	0	0	92	554
2/2/2015	2/2/2015	62	68	565	78	643	0	58.8	73	0	0	132	511
2/3/2015	2/3/2015	56	59	1,006	83	1,089	491	52.3	68	0	0	611	478
2/4/2015	2/4/2015	68	76	1,098	92	1,190	506	59.4	69	0	0	634	556
2/5/2015	2/5/2015	61	70	1,150	92	1,242	581	53.2	62	0	0	696	546
2/6/2015	2/6/2015	44	48	966	92	1,058	551	40	33	0	0	624	434
2/7/2015	2/7/2015	35	38	320	92	412	0	34.3	6	0	0	40	372
2/8/2015	2/8/2015	38	42	362	65	427	10	36.8	28	0	0	75	352
2/9/2015	2/9/2015	44	47	825	56	881	424	37.2	56	0	0	517	364
2/10/2015	2/10/2015	38	46	981	84	1,065	524	42.5	55	0	0	622	444
2/11/2015	2/11/2015	58	73	871	97	968	295	58.2	57	0	0	410	558
2/12/2015	2/12/2015	59	65	548	97	645	0	55.8	61	0	0	117	528
2/13/2015	2/13/2015	51	62	1,106	56	1,162	589	48.3	40	0	0	677	485
2/14/2015	2/14/2015	67	76	689	60	749	79	60.5	23	0	0	163	587
2/15/2015	2/15/2015	62	69	580	79	659	0	59.9	45	0	0	105	554
2/16/2015	2/16/2015	55	62	538	88	626	0	58.2	59	0	0	117	509
2/17/2015	2/17/2015	66	77	618	111	729	0	62.8	70	0		133	596
2/18/2015	2/18/2015	73	84	678	111	789	0	70.4	72	0	0	142	647
2/19/2015	2/19/2015	66	73	583	107	690	0	59.5	72	0	0	132	559
2/20/2015	2/20/2015	48	53	468	74	542	0	46.4	44	0	0	90	452
2/21/2015	2/21/2015	58	67	535	42	577	0	52.5	13	0	0	66	512
2/22/2015	2/22/2015	73	82	658	83	741	0	65.8	45	0	0	111	630
2/23/2015	2/23/2015	57	69	551	111	662	0	54.3	73	0	0	127	535
2/24/2015	2/24/2015	45	53	757	92	849	293	45.6	68	0	0	407	442
2/25/2015	2/25/2015	63	70	623	111	734	60	56.9	75	0	0	192	542
2/26/2015	2/26/2015	70	78	609	102	711	0	60.5	64	0	0	125	587
2/27/2015	2/27/2015	69	75	596	79	675	0	59.1	44	0	0	103	572
2/28/2015	2/28/2015	58	66	583	55	638	42	55.1	23	0	0	120	518
			Max	1,150	139	1,242	609	89	102	0	0	708	773
			Min	207	9	239	0	0	3	0	0	27	173

12/1/2012	2/28/2014	91,168	15,287	106,455
		85.64%	14.36%	100.00%
12/1/2012	2/28/2015	92,157	15,323	107,480
		85.74%	14.26%	100.00%

		Rochester Unadj. HDD	Rochester Adj. HDD	Blooming Prairie Through-Put	4007238 Prairie Manor Inc	4060361 Arkema Inc	4349083 First Lutheran Church	4350847 Rochester OLM Rec Center	5077336 Vavra Farms	5341899 Roger Toquam	Blooming Prairie Total IT Volumes	Blooming Prairie Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	562	8.2	168	5	53.5			67	495
12/2/2012	12/2/2012	22	25	488	7.1	161	4.6	53.6			65	423
12/3/2012	12/3/2012	18	21	532	8	159	4.7	64.3			77	455
12/4/2012	12/4/2012	36	40	796	9.1	225	6.3	69.9			85	711
12/5/2012	12/5/2012	32	38	786	9.2	239	6.6	68.4			84	702
12/6/2012	12/6/2012	30	33	690	8.2	203	5.9	69.2			83	607
12/7/2012	12/7/2012	35	38	762	9.1	207	6.6	68			84	678
12/8/2012	12/8/2012	32	35	702	9	213	7	70.9			87	615
12/9/2012	12/9/2012	41	47	838	9.1	241	7.3	69.1			86	753
12/10/2012	12/10/2012	54	59	1,053	10.2	239	8	86.7			105	948
12/11/2012	12/11/2012	44	48	916	10.1	236	8.5	84.4			103	813
12/12/2012	12/12/2012	30	36	786	8.8	223	6.7	61.4			77	709
12/13/2012	12/13/2012	36	38	835	9.1	228	7.1	75.3			92	744
12/14/2012	12/14/2012	32	36	702	7.8	246	6	62			76	626
12/15/2012	12/15/2012	29	32	701	7.4	249	6.7	63.8			78	623
12/16/2012	12/16/2012	40	44	895	9	234	8.1	73.9			91	804
12/17/2012	12/17/2012	41	43	877	9.2	243	7.6	75			92	785
12/18/2012	12/18/2012	36	39	835	8.8	238	7.1	78.3			94	741
12/19/2012	12/19/2012	36	40	811	8.8	213	7.3	70.8			87	724
12/20/2012	12/20/2012	49	61	965	9.4	144	9.1	85.5			104	861
12/21/2012	12/21/2012	53	58	1,005	10.6	195	8.7	98.3			118	887
12/22/2012	12/22/2012	44	48	929	9.8	215	9.2	95			114	815
12/23/2012	12/23/2012	48	51	948	9.8	218	9	92.8			112	836
12/24/2012	12/24/2012	55	61	1,088	10.3	247	9.6	103.5			123	965
12/25/2012	12/25/2012	57	62	1,148	10.1	254	10.1	104.5			125	1,023
12/26/2012	12/26/2012	53	55	1,090	12.7	226	10.6	104.3			128	962
12/27/2012	12/27/2012	49	52	994	11.9	223	9.2	94.9			116	878
12/28/2012	12/28/2012	45	49	929	11.1	217	8.9	93.5			114	816
12/29/2012	12/29/2012	57	63	1,028	11.6	221	9	101.5			122	906
12/30/2012	12/30/2012	51	58	992	11.3	219	9.8	85.8			107	885
1/1/2013	1/1/2013	61	66	1,131	12.3	232	9.8	98.7			121	1,010
1/2/2013	1/2/2013	48	53	1,076	11	270	10.3	93.5			115	961
1/3/2013	1/3/2013	51	59	1,097	11.7	256	9.8	96.9			118	979
1/4/2013	1/4/2013	47	51	957	11.2	241	8.4	87.8			107	850
1/5/2013	1/5/2013	47	54	989	10.9	234	11	83.3			105	884
1/6/2013	1/6/2013	48	55	996	11.4	245	8.9	79.2			99	897
1/7/2013	1/7/2013	42	46	918	10.2	249	7.3	77.4			95	823
1/8/2013	1/8/2013	39	45	880	9.8	254	8.6	79.7			98	782
1/9/2013	1/9/2013	38	43	844	9.4	261	6.8	72.2			88	756
1/10/2013	1/10/2013	32	36	803	9.3	244	7	68.4			85	718
1/11/2013	1/11/2013	34	39	779	9.4	253	7.9	66			83	696
1/12/2013	1/12/2013	54	62	1,112	11.8	262	12.1	94.1			118	994
1/13/2013	1/13/2013	57	63	1,174	12.6	260	10.6	99.3			123	1,052
1/14/2013	1/14/2013	50	55	1,118	12.4	255	9.9	89			111	1,007
1/15/2013	1/15/2013	41	48	966	10.7	251	9.2	88.8			109	857
1/16/2013	1/16/2013	42	47	972	10.7	249	9.2	77.4			97	875
1/17/2013	1/17/2013	45	50	977	10.8	221	8.5	88.3			108	869
1/18/2013	1/18/2013	28	32	744	9.5	241	6.3	72.2			88	656
1/19/2013	1/19/2013	44	53	1,029	10.7	239	11.1	96.2			118	911
1/20/2013	1/20/2013	63	73	1,221	12.5	221	12.2	111.9			137	1,084
1/21/2013	1/21/2013	69	78	1,393	14.5	225	12.8	119.3			147	1,246
1/22/2013	1/22/2013	62	67	1,219	15.6	213	10.7	107.6			134	1,085
1/23/2013	1/23/2013	58	67	1,235	14.8	220	13.4	104.1			132	1,103
1/24/2013	1/24/2013	58	66	1,208	14.6	219	11.2	96.5			122	1,086
1/25/2013	1/25/2013	53	60	1,131	13.9	210	11.4	96.2			122	1,010
1/26/2013	1/26/2013	47	54	982	12.4	206	11.3	82.4			106	876
1/27/2013	1/27/2013	34	37	800	11.5	195	7.3	65.1			84	716
1/28/2013	1/28/2013	31	34	771	11.5	201	8	69.6			89	682
1/29/2013	1/29/2013	37	44	866	11.6	230	8.4	72.8			93	773
1/30/2013	1/30/2013	53	65	1,202	13.5	271	11.7	97			122	1,080
1/31/2013	1/31/2013	69	82	1,453	15.6	248	13.8	117			146	1,307
2/1/2013	2/1/2013	64	70	1,233	14	265	11.8	104.8			131	1,102
2/2/2013	2/2/2013	54	59	1,072	13.1	249	10.7	97.4			121	951
2/3/2013	2/3/2013	54	59	1,076	13.3	267	10	93.8			117	959
2/4/2013	2/4/2013	50	56	1,046	12.4	261	9	81.1			103	944
2/5/2013	2/5/2013	47	52	963	12	246	8.4	80			100	863
2/6/2013	2/6/2013	39	43	874	11.5	239	7.6	75			94	780
2/7/2013	2/7/2013	39	44	965	11	263	7.8	80.7			100	866
2/8/2013	2/8/2013	41	46	972	11.2	274	8.1	95.4			115	857
2/9/2013	2/9/2013	36	42	902	11.1	253	8.9	92.8			113	789
2/10/2013	2/10/2013	33	39	858	10.8	251	8.1	89.6			109	750
2/11/2013	2/11/2013	43	51	998	11.8	227	8.7	113.4			134	864
2/12/2013	2/12/2013	38	42	839	11.4	221	6.9	83.8			102	737
2/13/2013	2/13/2013	34	38	752	10.8	218	7	69.2			87	665
2/14/2013	2/14/2013	45	51	971	11.5	248	8.8	82.9			103	868

2/15/2013	2/15/2013	55	61	1,092	12.7	266	9.5	113.1			135	957
2/16/2013	2/16/2013	51	54	978	12.3	249	8.5	114.9			136	842
2/17/2013	2/17/2013	41	49	898	11.4	249	8.1	105.6			125	773
2/18/2013	2/18/2013	46	57	1,226	12.8	269	11.9	100.6			125	1,101
2/19/2013	2/19/2013	65	76	1,390	14.6	274	12.4	108.9			136	1,254
2/20/2013	2/20/2013	56	59	1,177	13.1	258	10.4	87			111	1,067
2/21/2013	2/21/2013	49	55	1,065	12.1	256	9.7	84.5			106	959
2/22/2013	2/22/2013	43	47	916	11.5	251	7.8	93.5			113	803
2/23/2013	2/23/2013	52	56	957	11.6	259	8.3	91.3			111	846
2/24/2013	2/24/2013	47	49	772	10.7	187	6.8	101.5			119	653
2/25/2013	2/25/2013	35	37	782	10.9	168	7.1	85.4			103	679
2/26/2013	2/26/2013	35	41	705	10.7	108	6.6	90			107	598
2/27/2013	2/27/2013	34	40	683	10.9	76	6.7	75.8			93	590
2/28/2013	2/28/2013	40	44	819	11	153	7.7	80.5			99	720
12/1/2013	12/1/2013	35	37	768	9.2	225	6.9	69.2	0		85	683
12/2/2013	12/2/2013	30	34	780	9.1	226	7.5	70.8	0		87	693
12/3/2013	12/3/2013	31	34	751	9.3	222	8.5	82.9	0		101	650
12/4/2013	12/4/2013	43	51	964	10.4	231	10.9	81.9	0		103	861
12/5/2013	12/5/2013	60	70	1,246	12.7	271	12.8	107.3	0		133	1,113
12/6/2013	12/6/2013	64	72	1,338	13.6	290	13.2	111.8	0		139	1,199
12/7/2013	12/7/2013	63	67	1,224	13.5	283	12.4	107.8	0		134	1,090
12/8/2013	12/8/2013	59	64	1,156	12.3	274	11.6	103.3	0		127	1,029
12/9/2013	12/9/2013	60	71	1,318	13.4	266	13.5	102.9	0		130	1,188
12/10/2013	12/10/2013	61	70	1,235	13	275	12.9	105.7	0		132	1,103
12/11/2013	12/11/2013	64	72	1,306	13	272	12.5	111	0		137	1,170
12/12/2013	12/12/2013	49	52	1,060	11.7	261	10.6	90.4	0		113	947
12/13/2013	12/13/2013	48	54	1,029	11.6	252	10.7	94.6	0		117	912
12/14/2013	12/14/2013	58	66	1,141	11.6	264	11.4	101.9	0		125	1,016
12/15/2013	12/15/2013	61	66	1,121	12.4	224	11	105.3	0		129	992
12/16/2013	12/16/2013	46	53	1,072	11.5	248	11.1	90.3	0		113	959
12/17/2013	12/17/2013	47	55	951	10.8	179	10.4	94	0		115	836
12/18/2013	12/18/2013	36	41	770	10	142	8.4	81.5	0		100	670
12/19/2013	12/19/2013	45	52	978	10.9	204	10.3	91.6	0		113	865
12/20/2013	12/20/2013	46	49	995	11	235	9.4	91.7	0		112	883
12/21/2013	12/21/2013	45	51	995	10.6	248	10.4	89.1	0		110	885
12/22/2013	12/22/2013	59	68	1,208	12.4	224	12	99.3	0		124	1,084
12/23/2013	12/23/2013	73	81	1,398	14.4	226	13.6	115.3	0		143	1,255
12/24/2013	12/24/2013	61	70	1,245	13.2	234	11.3	103.5	0		128	1,117
12/25/2013	12/25/2013	46	52	1,029	11.2	221	10.8	89.9	0		112	917
12/26/2013	12/26/2013	43	46	868	10.2	191	8.5	82.9	0		102	766
12/27/2013	12/27/2013	35	40	807	9.4	220	8.5	82.4	0		100	707
12/28/2013	12/28/2013	42	50	849	9.4	231	9.2	75.7	0		94	755
12/29/2013	12/29/2013	70	78	1,326	12.9	247	11.6	110.9	0		135	1,191
12/30/2013	12/30/2013	70	75	1,319	14	219	12.6	103.1	0		130	1,189
1/1/2014	1/1/2014	68	75	1,322	13.2	250	13.3	70	0		97	1,226
1/2/2014	1/2/2014	72	78	1,327	13.4	249	13.3	114.9	0		142	1,185
1/3/2014	1/3/2014	47	58	1,178	12.6	241	13.2	88	0		114	1,064
1/4/2014	1/4/2014	60	70	1,215	12.4	247	12.5	81.3	0		106	1,109
1/5/2014	1/5/2014	79	95	1,527	0.2	234	15.9	96	0		112	1,415
1/6/2014	1/6/2014	81	94	1,397	15.5	81	17	99.1	0		132	1,265
1/7/2014	1/7/2014	68	73	1,295	13.8	208	14.1	95.8	0		124	1,171
1/8/2014	1/8/2014	71	77	1,350	13.1	256	14.1	92.1	0		119	1,231
1/9/2014	1/9/2014	52	61	1,168	11.8	251	12	74.1	0		98	1,070
1/10/2014	1/10/2014	38	41	900	10	240	8.7	73.8	0		93	808
1/11/2014	1/11/2014	39	45	916	10	232	9.2	70	0		89	827
1/12/2014	1/12/2014	31	35	790	9.1	234	7.5	64.1	0		81	709
1/13/2014	1/13/2014	36	42	831	8.8	221	8.7	60.1	0		78	753
1/14/2014	1/14/2014	55	67	1,128	10.7	239	10.6	81.2	0		103	1,026
1/15/2014	1/15/2014	49	58	1,069	10.7	255	10.7	76.2	0		98	971
1/16/2014	1/16/2014	48	60	1,217	11.3	257	11.9	86.7	0		110	1,107
1/17/2014	1/17/2014	58	66	1,199	11.8	273	11.4	81.5	0		105	1,094
1/18/2014	1/18/2014	49	56	1,071	10.7	281	10.7	74.1	0		96	976
1/19/2014	1/19/2014	35	41	883	9.1	273	9	61.4	0		80	804
1/20/2014	1/20/2014	59	68	1,206	12.5	246	11.4	65.1	0		89	1,117
1/21/2014	1/21/2014	68	75	1,290	13.1	243	12.8	94.2	0		120	1,170
1/22/2014	1/22/2014	71	84	1,429	13.9	240	15.8	99.5	0		129	1,300
1/23/2014	1/23/2014	66	78	1,387	13.5	225	13.2	92.8	0		120	1,268
1/24/2014	1/24/2014	46	57	946	11.2	171	11.5	76.6	0		99	847
1/25/2014	1/25/2014	55	64	1,158	7.4	265	10.2	85.7	0		103	1,055
1/26/2014	1/26/2014	63	81	1,391	0	289	12.8	86.5	0		99	1,292
1/27/2014	1/27/2014	77	89	1,435	0	218	14	59.7	0		74	1,361
1/28/2014	1/28/2014	72	82	1,364	11.7	226	13.6	7.4	0		33	1,331
1/29/2014	1/29/2014	50	60	1,049	10.4	256	10.9	70	0		91	958
1/30/2014	1/30/2014	55	64	1,159	12.4	242	11.4	78.3	0		102	1,057
1/31/2014	1/31/2014	66	71	1,160	12.7	226	10.3	91.5	0		115	1,046
2/1/2014	2/1/2014	59	67	1,120	12.5	209	12.2	82.5	0		107	1,013
2/2/2014	2/2/2014	64	70	1,165	12.5	210	10.6	88	0		111	1,054
2/3/2014	2/3/2014	56	60	1,132	11.9	214	10.9	70.8	0		94	1,038
2/4/2014	2/4/2014	59	68	1,209	12.6	215	11.9	81.6	0		106	1,103
2/5/2014	2/5/2014	70	80	1,339	14.2	211	13	86.5	0		114	1,225

2/6/2014	2/6/2014	69	79	1,357	14.1	237	13.7	113.5	0		141	1,216
2/7/2014	2/7/2014	63	70	1,251	13	258	11.7	106.9	0		132	1,119
2/8/2014	2/8/2014	61	65	1,140	12.3	245	11.5	108.6	0		132	1,008
2/9/2014	2/9/2014	70	79	1,286	13.8	217	12.6	103.1	0		130	1,157
2/10/2014	2/10/2014	73	79	1,371	13.9	232	11.9	98.6	0		124	1,247
2/11/2014	2/11/2014	63	73	1,257	12	239	12.8	94.9	0		120	1,137
2/12/2014	2/12/2014	49	54	1,063	10.9	234	9.8	76.4	0		97	966
2/13/2014	2/13/2014	49	58	1,163	11.9	237	12.2	81.5	0		106	1,057
2/14/2014	2/14/2014	61	69	1,175	12.5	239	13.3	98.3	0		124	1,051
2/15/2014	2/15/2014	53	60	1,121	10.7	253	10.1	93.6	0		114	1,007
2/16/2014	2/16/2014	51	60	1,023	10	223	9.7	93.8	0		114	910
2/17/2014	2/17/2014	42	47	972	9.7	245	8.1	89.5	0		107	865
2/18/2014	2/18/2014	36	40	819	9	243	7.7	70.4	0		87	732
2/19/2014	2/19/2014	35	39	733	8.7	214	6.6	69.3	0		85	648
2/20/2014	2/20/2014	43	53	932	9.2	192	9.6	77.4	0		96	836
2/21/2014	2/21/2014	54	65	1,026	10.9	197	10.9	83	0		105	921
2/22/2014	2/22/2014	59	68	1,047	11	218	10.7	89.9	0		112	935
2/23/2014	2/23/2014	61	71	1,120	11.8	227	10.7	91.7	0		114	1,006
2/24/2014	2/24/2014	64	72	1,199	11.9	232	11.1	106	0		129	1,070
2/25/2014	2/25/2014	70	81	1,347	12.9	248	12.5	101.5	0		127	1,220
2/26/2014	2/26/2014	64	79	1,344	13.2	260	13.7	97.8	0		125	1,219
2/27/2014	2/27/2014	73	80	1,382	12.9	259	11.8	94.1	0		119	1,263
2/28/2014	2/28/2014	58	66	1,201	11.6	260	11.4	95.6	0		119	1,082
12/1/2014	12/1/2014	57	64	1,022	11.4	226	8.2	80.8	0	0	100	922
12/2/2014	12/2/2014	45	51	820	10.5	216	8.7	76.6	0	0	96	724
12/3/2014	12/3/2014	47	52	764	9.9	209	7.2	76.1	0	0	93	671
12/4/2014	12/4/2014	39	44	621	8.9	231	6.7	57.2	0	0	73	548
12/5/2014	12/5/2014	40	43	589	9.2	243	6.6	81.7	0	0	98	492
12/6/2014	12/6/2014	37	41	581	8.4	251	6	84.2	0	0	99	482
12/7/2014	12/7/2014	34	40	589	8	243	6.4	76.2	0	0	91	498
12/8/2014	12/8/2014	38	44	707	9.3	195	6.5	82.2	0	0	98	609
12/9/2014	12/9/2014	42	45	653	8.8	174	6.5	77.1	0	0	92	561
12/10/2014	12/10/2014	39	42	634	8.9	226	6.6	66.3	0	0	82	552
12/11/2014	12/11/2014	37	40	608	8.9	255	6.7	53.4	0	0	69	539
12/12/2014	12/12/2014	29	32	562	8	240	6.4	68.7	0	0	83	479
12/13/2014	12/13/2014	23	26	387	6.9	225	4.8	60.4	0	0	72	315
12/14/2014	12/14/2014	19	21	341	6.2	199	4.6	65.6	0	0	76	265
12/15/2014	12/15/2014	30	34	482	7.1	229	3.5	67.6	0	0	78	404
12/16/2014	12/16/2014	47	55	834	10.3	242	5	80.8	0	0	96	738
12/17/2014	12/17/2014	50	53	778	10	224	7.9	74.3	0	0	92	686
12/18/2014	12/18/2014	45	46	737	9.5	202	7.2	74.6	0	0	91	646
12/19/2014	12/19/2014	39	43	625	9.1	200	7	63.1	0	0	79	546
12/20/2014	12/20/2014	34	38	571	8.6	202	6.1	58.3	0	0	73	498
12/21/2014	12/21/2014	30	36	527	8.3	202	5.6	55.5	0	0	69	458
12/22/2014	12/22/2014	31	35	550	8.4	215	5.4	54.4	0	0	68	482
12/23/2014	12/23/2014	32	37	569	8.3	201	5.3	59.8	0	0	73	496
12/24/2014	12/24/2014	35	40	553	8.6	192	5	59.3	0	0	73	480
12/25/2014	12/25/2014	36	39	530	8.2	186	5.4	56.5	0	0	70	460
12/26/2014	12/26/2014	36	41	597	8.7	186	6	60.5	0	0	75	522
12/27/2014	12/27/2014	50	56	758	10.9	200	7.3	69.6	0	0	88	670
12/28/2014	12/28/2014	53	57	762	10.8	202	6.9	71.6	0	0	89	673
12/29/2014	12/29/2014	67	74	1,008	12.8	203	8.4	82.4	0	0	104	904
12/30/2014	12/30/2014	71	79	1,131	13.3	236	9.9	96.2	0	0	119	1,012
12/31/2014	12/31/2014	61	73	971	11.8	246	10.7	85	0	0	108	864
1/1/2015	1/1/2015	48	53	749	10.6	234	8	73	0	0	92	657
1/2/2015	1/2/2015	49	53	747	9.6	255	7.3	69.3	0	0	86	661
1/3/2015	1/3/2015	50	58	741	10.8	258	6.4	70.7	0	0	88	653
1/4/2015	1/4/2015	72	84	1,135	14.5	273	8.6	90	0	0	113	1,022
1/5/2015	1/5/2015	70	76	1,123	14.8	268	10.6	93.2	0	0	119	1,004
1/6/2015	1/6/2015	68	81	1,179	14.3	278	10.4	92.3	0	0	117	1,062
1/7/2015	1/7/2015	70	82	1,216	16.4	271	10.4	98.5	0	0	125	1,091
1/8/2015	1/8/2015	60	76	1,137	14.4	274	10.6	87.8	0	0	113	1,024
1/9/2015	1/9/2015	68	78	1,086	14.8	237	10.1	94.9	0	0	120	966
1/10/2015	1/10/2015	54	60	900	13.4	257	9.3	82.9	0	0	106	794
1/11/2015	1/11/2015	57	63	867	12.5	264	8.2	78.7	0	0	99	768
1/12/2015	1/12/2015	71	76	1,095	14.5	248	8.7	89.4	0	0	113	982
1/13/2015	1/13/2015	62	69	913	12.1	259	8.6	82.5	0	0	103	810
1/14/2015	1/14/2015	44	49	757	11	221	7.5	72.2	0	0	91	666
1/15/2015	1/15/2015	42	46	659	9.9	240	6.1	65.5	0	0	82	578
1/16/2015	1/16/2015	37	42	580	8.8	243	5.6	62.5	0	0	77	503
1/17/2015	1/17/2015	34	40	569	9.1	253	5.6	66.6	0	0	81	488
1/18/2015	1/18/2015	39	42	553	9	222	5.4	62.2	0	0	77	476
1/19/2015	1/19/2015	35	38	544	8.6	223	5.7	66.6	0	0	81	463
1/20/2015	1/20/2015	36	39	573	9.2	211	5.4	61	0	0	76	497
1/21/2015	1/21/2015	40	44	649	9.5	226	6	65.1	0	0	81	568
1/22/2015	1/22/2015	41	48	699	9.8	201	6.2	65.2	0	0	81	618
1/23/2015	1/23/2015	37	42	592	9.3	207	5.8	69.6	0	0	85	507
1/24/2015	1/24/2015	34	37	470	8.4	232	5.3	59.2	0	0	73	397
1/25/2015	1/25/2015	40	44	634	9.4	209	5.8	71.8	0	0	87	547
1/26/2015	1/26/2015	32	36	511	8.4	214	4.9	55.6	0	0	69	442

1/27/2015	1/27/2015	38	43	609	9.2	215	5.3	60.2	0	0	75	534
1/28/2015	1/28/2015	36	42	624	9.2	237	5.9	60.2	0	0	75	549
1/29/2015	1/29/2015	46	54	773	11.2	270	6.6	71.3	0	0	89	684
1/30/2015	1/30/2015	49	54	683	10.5	254	6.4	69.7	0	0	87	596
1/31/2015	1/31/2015	42	48	687	10.6	239	7	77.8	0	0	95	592
2/1/2015	2/1/2015	62	72	922	12.8	243	8.4	79.1	0	0	100	822
2/2/2015	2/2/2015	62	68	980	12.5	228	9.2	82	0	0	104	876
2/3/2015	2/3/2015	56	59	875	12.3	233	8.4	78.7	0	0	99	776
2/4/2015	2/4/2015	68	76	997	13.1	240	7.6	87.3	0	0	108	889
2/5/2015	2/5/2015	61	70	967	12.9	235	8.4	92	0	0	113	854
2/6/2015	2/6/2015	44	48	667	10.6	243	6.8	78.2	0	0	96	571
2/7/2015	2/7/2015	35	38	501	8.6	224	5.3	67.6	0	0	82	420
2/8/2015	2/8/2015	38	42	590	8.5	213	6	68	0	0	83	508
2/9/2015	2/9/2015	44	47	658	10.3	225	6	67.2	0	0	84	575
2/10/2015	2/10/2015	38	46	736	10.7	256	6.7	67.5	0	0	85	651
2/11/2015	2/11/2015	58	73	978	13.2	277	7.5	85.7	0	0	106	872
2/12/2015	2/12/2015	59	65	945	12.7	294	8.2	82.5	0	0	103	842
2/13/2015	2/13/2015	51	62	824	12.2	264	8	106.2	0	0	126	698
2/14/2015	2/14/2015	67	76	1,004	13.4	258	8.3	125.1	0	0	147	857
2/15/2015	2/15/2015	62	69	974	12.6	256	8.6	110.2	0	0	131	843
2/16/2015	2/16/2015	55	62	921	12.1	274	8.6	101.4	0	0	122	799
2/17/2015	2/17/2015	66	77	1,075	12.5	269	9.7	104.7	0	0	127	948
2/18/2015	2/18/2015	73	84	1,181	13.8	252	10.2	101.6	0	0	126	1,055
2/19/2015	2/19/2015	66	73	1,013	13	271	10.5	105.2	0	0	129	884
2/20/2015	2/20/2015	48	53	775	11.3	238	8.8	95.2	0	0	115	660
2/21/2015	2/21/2015	58	67	900	12.4	249	8.9	97.8	0	0	119	781
2/22/2015	2/22/2015	73	82	1,108	14	244	9	116.3	0	0	139	969
2/23/2015	2/23/2015	57	69	908	12	263	9.2	94.5	0	0	116	792
2/24/2015	2/24/2015	45	53	760	10.8	254	7.6	83	0	0	101	659
2/25/2015	2/25/2015	63	70	947	13.1	267	8.4	103.3	0	0	125	822
2/26/2015	2/26/2015	70	78	1,062	14.5	237	8.4	119	0	0	142	920
2/27/2015	2/27/2015	69	75	991	14.1	249	9.2	118	0	0	141	850
2/28/2015	2/28/2015	58	66	884	11.7	266	8.6	100.3	0	0	121	763
			Max	1,527	16	294	17	125	0	0	147	1,415
			Min	341	0	76	4	7	0	0	33	265

		Rochester Unadj. HDD	Rochester Adj. HDD	Ellendale Through-Put	Ellendale Total IT Volumes	Ellendale Throughput Less IT Volumes
12/1/2012	12/1/2012	24	26	107	0	107
12/2/2012	12/2/2012	22	25	93	0	93
12/3/2012	12/3/2012	18	21	100	0	100
12/4/2012	12/4/2012	36	40	158	0	158
12/5/2012	12/5/2012	32	38	158	0	158
12/6/2012	12/6/2012	30	33	131	0	131
12/7/2012	12/7/2012	35	38	161	0	161
12/8/2012	12/8/2012	32	35	146	0	146
12/9/2012	12/9/2012	41	47	174	0	174
12/10/2012	12/10/2012	54	59	237	0	237
12/11/2012	12/11/2012	44	48	196	0	196
12/12/2012	12/12/2012	30	36	161	0	161
12/13/2012	12/13/2012	36	38	168	0	168
12/14/2012	12/14/2012	32	36	136	0	136
12/15/2012	12/15/2012	29	32	130	0	130
12/16/2012	12/16/2012	40	44	193	0	193
12/17/2012	12/17/2012	41	43	182	0	182
12/18/2012	12/18/2012	36	39	168	0	168
12/19/2012	12/19/2012	36	40	176	0	176
12/20/2012	12/20/2012	49	61	240	0	240
12/21/2012	12/21/2012	53	58	244	0	244
12/22/2012	12/22/2012	44	48	213	0	213
12/23/2012	12/23/2012	48	51	221	0	221
12/24/2012	12/24/2012	55	61	257	0	257
12/25/2012	12/25/2012	57	62	270	0	270
12/26/2012	12/26/2012	53	55	246	0	246
12/27/2012	12/27/2012	49	52	222	0	222
12/28/2012	12/28/2012	45	49	211	0	211
12/29/2012	12/29/2012	57	63	239	0	239
12/30/2012	12/30/2012	51	58	236	0	236
1/1/2013	1/1/2013	61	66	263	0	263
1/2/2013	1/2/2013	48	53	236	0	236
1/3/2013	1/3/2013	51	59	253	0	253
1/4/2013	1/4/2013	47	51	214	0	214
1/5/2013	1/5/2013	47	54	227	0	227
1/6/2013	1/6/2013	48	55	227	0	227
1/7/2013	1/7/2013	42	46	193	0	193
1/8/2013	1/8/2013	39	45	187	0	187
1/9/2013	1/9/2013	38	43	169	0	169
1/10/2013	1/10/2013	32	36	167	0	167
1/11/2013	1/11/2013	34	39	166	0	166
1/12/2013	1/12/2013	54	62	259	0	259
1/13/2013	1/13/2013	57	63	273	0	273
1/14/2013	1/14/2013	50	55	247	0	247
1/15/2013	1/15/2013	41	48	214	0	214
1/16/2013	1/16/2013	42	47	210	0	210
1/17/2013	1/17/2013	45	50	222	0	222
1/18/2013	1/18/2013	28	32	150	0	150
1/19/2013	1/19/2013	44	53	235	0	235
1/20/2013	1/20/2013	63	73	303	0	303
1/21/2013	1/21/2013	69	78	340	0	340
1/22/2013	1/22/2013	62	67	289	0	289
1/23/2013	1/23/2013	58	67	296	0	296
1/24/2013	1/24/2013	58	66	290	0	290
1/25/2013	1/25/2013	53	60	281	0	281
1/26/2013	1/26/2013	47	54	241	0	241
1/27/2013	1/27/2013	34	37	177	0	177
1/28/2013	1/28/2013	31	34	176	0	176
1/29/2013	1/29/2013	37	44	189	0	189
1/30/2013	1/30/2013	53	65	286	0	286
1/31/2013	1/31/2013	69	82	359	0	359
2/1/2013	2/1/2013	64	70	290	0	290
2/2/2013	2/2/2013	54	59	247	0	247
2/3/2013	2/3/2013	54	59	243	0	243
2/4/2013	2/4/2013	50	56	230	0	230
2/5/2013	2/5/2013	47	52	215	0	215
2/6/2013	2/6/2013	39	43	181	0	181
2/7/2013	2/7/2013	39	44	200	0	200
2/8/2013	2/8/2013	41	46	208	0	208
2/9/2013	2/9/2013	36	42	195	0	195
2/10/2013	2/10/2013	33	39	181	0	181
2/11/2013	2/11/2013	43	51	227	0	227
2/12/2013	2/12/2013	38	42	182	0	182
2/13/2013	2/13/2013	34	38	156	0	156
2/14/2013	2/14/2013	45	51	210	0	210
2/15/2013	2/15/2013	55	61	248	0	248
2/16/2013	2/16/2013	51	54	217	0	217

2/17/2013	2/17/2013	41	49	200		0	200
2/18/2013	2/18/2013	46	57	287		0	287
2/19/2013	2/19/2013	65	76	337		0	337
2/20/2013	2/20/2013	56	59	269		0	269
2/21/2013	2/21/2013	49	55	238		0	238
2/22/2013	2/22/2013	43	47	199		0	199
2/23/2013	2/23/2013	52	56	208		0	208
2/24/2013	2/24/2013	47	49	175		0	175
2/25/2013	2/25/2013	35	37	173		0	173
2/26/2013	2/26/2013	35	41	174		0	174
2/27/2013	2/27/2013	34	40	170		0	170
2/28/2013	2/28/2013	40	44	178		0	178
12/1/2013	12/1/2013	35	37	157		0	157
12/2/2013	12/2/2013	30	34	173		0	173
12/3/2013	12/3/2013	31	34	164		0	164
12/4/2013	12/4/2013	43	51	218		0	218
12/5/2013	12/5/2013	60	70	295		0	295
12/6/2013	12/6/2013	64	72	314		0	314
12/7/2013	12/7/2013	63	67	280		0	280
12/8/2013	12/8/2013	59	64	265		0	265
12/9/2013	12/9/2013	60	71	309		0	309
12/10/2013	12/10/2013	61	70	286		0	286
12/11/2013	12/11/2013	64	72	308		0	308
12/12/2013	12/12/2013	49	52	235		0	235
12/13/2013	12/13/2013	48	54	240		0	240
12/14/2013	12/14/2013	58	66	268		0	268
12/15/2013	12/15/2013	61	66	274		0	274
12/16/2013	12/16/2013	46	53	239		0	239
12/17/2013	12/17/2013	47	55	225		0	225
12/18/2013	12/18/2013	36	41	185		0	185
12/19/2013	12/19/2013	45	52	238		0	238
12/20/2013	12/20/2013	46	49	226		0	226
12/21/2013	12/21/2013	45	51	220		0	220
12/22/2013	12/22/2013	59	68	297		0	297
12/23/2013	12/23/2013	73	81	351		0	351
12/24/2013	12/24/2013	61	70	307		0	307
12/25/2013	12/25/2013	46	52	233		0	233
12/26/2013	12/26/2013	43	46	195		0	195
12/27/2013	12/27/2013	35	40	168		0	168
12/28/2013	12/28/2013	42	50	181		0	181
12/29/2013	12/29/2013	70	78	325		0	325
12/30/2013	12/30/2013	70	75	321		0	321
1/1/2014	1/1/2014	68	75	322		0	322
1/2/2014	1/2/2014	72	78	331		0	331
1/3/2014	1/3/2014	47	58	278		0	278
1/4/2014	1/4/2014	60	70	298		0	298
1/5/2014	1/5/2014	79	95	396		0	396
1/6/2014	1/6/2014	81	94	401		0	401
1/7/2014	1/7/2014	68	73	326		0	326
1/8/2014	1/8/2014	71	77	324		0	324
1/9/2014	1/9/2014	52	61	275		0	275
1/10/2014	1/10/2014	38	41	198		0	198
1/11/2014	1/11/2014	39	45	205		0	205
1/12/2014	1/12/2014	31	35	166		0	166
1/13/2014	1/13/2014	36	42	186		0	186
1/14/2014	1/14/2014	55	67	264		0	264
1/15/2014	1/15/2014	49	58	248		0	248
1/16/2014	1/16/2014	48	60	288		0	288
1/17/2014	1/17/2014	58	66	277		0	277
1/18/2014	1/18/2014	49	56	236		0	236
1/19/2014	1/19/2014	35	41	177		0	177
1/20/2014	1/20/2014	59	68	285		0	285
1/21/2014	1/21/2014	68	75	313		0	313
1/22/2014	1/22/2014	71	84	355		0	355
1/23/2014	1/23/2014	66	78	354		0	354
1/24/2014	1/24/2014	46	57	232		0	232
1/25/2014	1/25/2014	55	64	274		0	274
1/26/2014	1/26/2014	63	81	332		0	332
1/27/2014	1/27/2014	77	89	373		0	373
1/28/2014	1/28/2014	72	82	338		0	338
1/29/2014	1/29/2014	50	60	230		0	230
1/30/2014	1/30/2014	55	64	275		0	275
1/31/2014	1/31/2014	66	71	287		0	287
2/1/2014	2/1/2014	59	67	274		0	274
2/2/2014	2/2/2014	64	70	280		0	280
2/3/2014	2/3/2014	56	60	263		0	263
2/4/2014	2/4/2014	59	68	297		0	297
2/5/2014	2/5/2014	70	80	331		0	331
2/6/2014	2/6/2014	69	79	327		0	327
2/7/2014	2/7/2014	63	70	294		0	294
2/8/2014	2/8/2014	61	65	259		0	259
2/9/2014	2/9/2014	70	79	314		0	314

2/10/2014	2/10/2014	73	79	322		0	322
2/11/2014	2/11/2014	63	73	295		0	295
2/12/2014	2/12/2014	49	54	240		0	240
2/13/2014	2/13/2014	49	58	266		0	266
2/14/2014	2/14/2014	61	69	279		0	279
2/15/2014	2/15/2014	53	60	254		0	254
2/16/2014	2/16/2014	51	60	241		0	241
2/17/2014	2/17/2014	42	47	208		0	208
2/18/2014	2/18/2014	36	40	168		0	168
2/19/2014	2/19/2014	35	39	152		0	152
2/20/2014	2/20/2014	43	53	222		0	222
2/21/2014	2/21/2014	54	65	246		0	246
2/22/2014	2/22/2014	59	68	244		0	244
2/23/2014	2/23/2014	61	71	259		0	259
2/24/2014	2/24/2014	64	72	288		0	288
2/25/2014	2/25/2014	70	81	325		0	325
2/26/2014	2/26/2014	64	79	324		0	324
2/27/2014	2/27/2014	73	80	329		0	329
2/28/2014	2/28/2014	58	66	279		0	279
12/1/2014	12/1/2014	57	64	309		0	309
12/2/2014	12/2/2014	45	51	312		0	312
12/3/2014	12/3/2014	47	52	261		0	261
12/4/2014	12/4/2014	39	44	220		0	220
12/5/2014	12/5/2014	40	43	196		0	196
12/6/2014	12/6/2014	37	41	173		0	173
12/7/2014	12/7/2014	34	40	176		0	176
12/8/2014	12/8/2014	38	44	209		0	209
12/9/2014	12/9/2014	42	45	222		0	222
12/10/2014	12/10/2014	39	42	209		0	209
12/11/2014	12/11/2014	37	40	179		0	179
12/12/2014	12/12/2014	29	32	186		0	186
12/13/2014	12/13/2014	23	26	106		0	106
12/14/2014	12/14/2014	19	21	91		0	91
12/15/2014	12/15/2014	30	34	217		0	217
12/16/2014	12/16/2014	47	55	277		0	277
12/17/2014	12/17/2014	50	53	249		0	249
12/18/2014	12/18/2014	45	46	205		0	205
12/19/2014	12/19/2014	39	43	196		0	196
12/20/2014	12/20/2014	34	38	169		0	169
12/21/2014	12/21/2014	30	36	155		0	155
12/22/2014	12/22/2014	31	35	160		0	160
12/23/2014	12/23/2014	32	37	158		0	158
12/24/2014	12/24/2014	35	40	168		0	168
12/25/2014	12/25/2014	36	39	154		0	154
12/26/2014	12/26/2014	36	41	172		0	172
12/27/2014	12/27/2014	50	56	217		0	217
12/28/2014	12/28/2014	53	57	218		0	218
12/29/2014	12/29/2014	67	74	285		0	285
12/30/2014	12/30/2014	71	79	324		0	324
12/31/2014	12/31/2014	61	73	288		0	288
1/1/2015	1/1/2015	48	53	220		0	220
1/2/2015	1/2/2015	49	53	228		0	228
1/3/2015	1/3/2015	50	58	226		0	226
1/4/2015	1/4/2015	72	84	328		0	328
1/5/2015	1/5/2015	70	76	323		0	323
1/6/2015	1/6/2015	68	81	337		0	337
1/7/2015	1/7/2015	70	82	342		0	342
1/8/2015	1/8/2015	60	76	318		0	318
1/9/2015	1/9/2015	68	78	315		0	315
1/10/2015	1/10/2015	54	60	264		0	264
1/11/2015	1/11/2015	57	63	249		0	249
1/12/2015	1/12/2015	71	76	309		0	309
1/13/2015	1/13/2015	62	69	262		0	262
1/14/2015	1/14/2015	44	49	214		0	214
1/15/2015	1/15/2015	42	46	189		0	189
1/16/2015	1/16/2015	37	42	173		0	173
1/17/2015	1/17/2015	34	40	167		0	167
1/18/2015	1/18/2015	39	42	154		0	154
1/19/2015	1/19/2015	35	38	153		0	153
1/20/2015	1/20/2015	36	39	164		0	164
1/21/2015	1/21/2015	40	44	182		0	182
1/22/2015	1/22/2015	41	48	196		0	196
1/23/2015	1/23/2015	37	42	172		0	172
1/24/2015	1/24/2015	34	37	146		0	146
1/25/2015	1/25/2015	40	44	183		0	183
1/26/2015	1/26/2015	32	36	157		0	157
1/27/2015	1/27/2015	38	43	176		0	176
1/28/2015	1/28/2015	36	42	182		0	182
1/29/2015	1/29/2015	46	54	221		0	221
1/30/2015	1/30/2015	49	54	197		0	197
1/31/2015	1/31/2015	42	48	204		0	204
2/1/2015	2/1/2015	62	72	270		0	270

2/2/2015	2/2/2015	62	68	275		0	275		
2/3/2015	2/3/2015	56	59	250		0	250		
2/4/2015	2/4/2015	68	76	286		0	286		
2/5/2015	2/5/2015	61	70	266		0	266		
2/6/2015	2/6/2015	44	48	203		0	203		
2/7/2015	2/7/2015	35	38	153		0	153		
2/8/2015	2/8/2015	38	42	167		0	167		
2/9/2015	2/9/2015	44	47	191		0	191		
2/10/2015	2/10/2015	38	46	215		0	215		
2/11/2015	2/11/2015	58	73	281		0	281		
2/12/2015	2/12/2015	59	65	263		0	263		
2/13/2015	2/13/2015	51	62	240		0	240		
2/14/2015	2/14/2015	67	76	282		0	282		
2/15/2015	2/15/2015	62	69	278		0	278		
2/16/2015	2/16/2015	55	62	258		0	258		
2/17/2015	2/17/2015	66	77	297		0	297		
2/18/2015	2/18/2015	73	84	331		0	331		
2/19/2015	2/19/2015	66	73	284		0	284		
2/20/2015	2/20/2015	48	53	222		0	222		
2/21/2015	2/21/2015	58	67	259		0	259		
2/22/2015	2/22/2015	73	82	310		0	310		
2/23/2015	2/23/2015	57	69	271		0	271		
2/24/2015	2/24/2015	45	53	221		0	221		
2/25/2015	2/25/2015	63	70	272		0	272		
2/26/2015	2/26/2015	70	78	305		0	305		
2/27/2015	2/27/2015	69	75	292		0	292		
2/28/2015	2/28/2015	58	66	259		0	259		
			Max	401		0	401	0	0
			Min	91		0	91	0	0