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PUBLIC DOCUMENT
Trade Secret Information has been Excised

July 1, 2016

Mr. Daniel Wolf Executive
Secretary
Minnesota Public Utilities Commission 350
Metro Square Building
121 East Seventh Place, Suite 350 St.
Paul, Minnesota 55101-2147

Re: CenterPoint Energy 's Request for Change in Demand Units
Docket No. G008/M-16-_____

Dear Mr. Wolf:

Pursuant to Minnesota Rule part 7825.2910, Subpart 2, CenterPoint Energy ("CPE" or the "Company") submits a Request for a Change in Demand Units. CenterPoint Energy requests approval to implement its changes effective November 1, 2016.

CenterPoint Energy requests to increase overall demand costs on November 1, 2016 by approximately \$4.8 million, however, given the increased rate-case sales forecast, the estimated per-unit charge should decrease by \$0.00264 per therm from June 1, 2016 rates. The annual effect on a residential heating customer using 923 therms (2015 Rate Case residential use-per customer) is a decrease of about \$2.44.

CenterPoint Energy has designated information in this document trade secret. Specifically Exhibit A, pages 1 and 2; Exhibit B, page 3. The information meets the definition of trade secret in Minn. Stat. 13.37 subd.1(b) as follows: (1) the information was supplied by CenterPoint Energy, the affected organization; (2) CenterPoint Energy has taken all reasonable efforts to maintain the secrecy of the information, including protecting it from disclosure in this document; and (3) the protected information contains gas supply contract information which derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.

The attached pages detail the implementation of CenterPoint Energy's 2016-2017 Heating Season Supply Plan. Feel free to contact me at (612) 321-4677 if you have any questions.

Sincerely,

/s/

Kevin Marquardt
Regulatory Analyst
Regulatory Services

Kevin.Marquardt@CenterPointEnergy.com

ADDITIONAL INFORMATION
Minn. Rule part 7829.1300, Subp. 3
CenterPoint Energy

A. The name, address, and telephone number of the utility:

CenterPoint Energy Resources Corp., d/b/a/ CenterPoint Energy Minnesota Gas
505 Nicollet Mall
P.O. Box 59038
Minneapolis, MN 55459-0038
(612) 372-4664

B. The name, address, and telephone number of the attorney for the utility:

Steven Clay
CenterPoint Energy
505 Nicollet Mall
P.O. Box 59038
Minneapolis, MN 55459-0038
(612) 321-4606
Steven.Clay@CenterPointEnergy.com

C. The date of the filing and the date the proposed rate or service change will go into effect:

Date Filed: July 1, 2016
Effective Date: November 1, 2016

D. The statute that the utility believes controls the time frame for processing the filing:

CenterPoint Energy is unaware of any statute that controls the time frame for processing this filing.

E. The signature and title of the utility employee responsible for the filing:

/s/
Kevin Marquardt
Regulatory Analyst
(612) 321-4677
Kevin.Marquardt@CenterPointEnergy.com

SUMMARY OF MISCELLANEOUS TARIFF FILING

Minn. Rule part 7829.1300, Subp. 1

CenterPoint Energy

Filing Upon a Change in Demand

Minn. Rule part 7829.1300, Subp. 2

A filing for a change in demand is required when there is an increase or decrease in demand, a redistribution of demand percentages among classes, or if one form of demand is exchanged for another. CenterPoint Energy will increase total demand costs for the 2016-2017 heating season, but will decrease the per-unit demand costs on November 1 by \$0.00264 per therm from June 1, 2016 rates primarily due to changes in sales volume implementation of final rates from the Company's 2015 rate case (Docket G008/GR-15-424). The annual effect on a residential heating customer using 923 therms (2015 Rate Case residential use-per customer) is a decrease of about \$2.44.

Filing Upon a Change in Demand Minn. Rule part 7829.1300, Subp. 2

CenterPoint Energy November 2016

7825.2910 FILING BY GAS UTILITIES

Subp.2. Filing upon a change in demand. Gas utilities shall file for a change in demand to increase or decrease demand, to redistribute demand percentages among classes, or to exchange one form of demand for another. A filing must contain:

A. A description of the factors contributing to the need for changing demand.

Pipeline Entitlement:

Northern Natural Gas –

For the upcoming heating season (2016-2017), the Company is not adding additional entitlement on Northern's system. The Company evaluated where our distribution system will need additional entitlements to support customer growth in the next few years. However, the Company will add 40,328 DT/day in the discount area and 9,775 DT/day in the non-discount area for the 2017-2018 heating season. To accommodate the construction associated with providing this additional capacity, the Company will adjust its discount rate with Northern as provided for by contract. By the 2018-2019 heating season, the Company has identified that an additional 78,000 DT/day may be needed, for continuing growth. The Company's current demand entitlement reserve margin is 2 percent. Without additions, the reserve margin, as noted in Section B below, could be insufficient.

Peaking Supply –

In its 2015-2016 Demand Entitlement Filing in Docket No. G-008/M-15-644, the Company stated its peaking capacity would be 171,000 DT/day. The filing also stated that one propane peaking plant was being built at the time and was scheduled to be back online for the 2016-2017. With the propane peaking plant in service for the upcoming winter heating season of 2016-2017, the Company's peaking capacity will be at 180,200 DT/day.

Storage –

The Company's existing contracts with BP Canada and North Natural FDD storage have expired. The Company initiated a competitive bidding process to replace the storage capability, requesting a three-year term, which included bids from BP Canada, Northern Natural FDD, and Tenaska. When these bids were compared, Tenaska Storage offered favorable pricing compared to the other bids. Thus, the Company expects to contract with Tenaska for the next three heating seasons. The Company has allocated the contract costs as outlined in the contract, resulting in about 50 percent of the costs designated as baseload supplies assigned to commodity and the other 50 percent to demand related to swing supply. This split follows the same allocation principle as the former Tenaska contract allocation allowed in demand entitlements Docket Nos. G-008/M-14-561 and continued in G-008/M-15-644. CenterPoint Energy initially contracted for storage with Tenaska in 2012, and in 2014 extended the contract by mutual agreement under favorable terms.

B. The Utility's design-day demand by customer class and the change in design day demand, if any, necessitating the demand revision.

Design Day Model:

As described in our 2013 Demand Entitlement filing (Docket No. G008/M-12-864), CenterPoint Energy worked with Concentric Energy to develop a model that met the following criteria:

- Include more data observations
- Reflect more current customer behavior (use-per-customer)
- Incorporate non-linear relationship between daily demand and Heating Degree Days (“HDD”)
- Provide a Model with coefficients that are consistent with expectations, and are statistically significant

Concentric’s report provided extensive review of CenterPoint Energy’s methodology, along with reviews of methods used by other similarly situated natural gas companies and an analysis of the strengths and weaknesses of different estimating methods. CenterPoint Energy updated the model for the upcoming winter by adding the most recent heating season of daily data and dropping the oldest year.

CenterPoint Energy’s Design Day Estimate for 2016-2017

	Current Year 2016-2017	Prior Year 2015-2016
Requirements		
Calculated Design Day	1,328,000	1,317,000
<u>Physical Reserve</u>	<u>36,000</u>	<u>36,000</u>
<i>Total Requirements</i>	<i>1,364,000</i>	<i>1,353,000</i>
 Supply		
Pipeline Entitlement	1,052,951	1,050,566
Underground Storage (UG)	50,000	50,000
Liquefied Natural Gas (LNG)	72,000	72,000
<u>Propane</u>	<u>180,200</u>	<u>171,000</u>
<i>Net Supply</i>	<i>1,355,151</i>	<i>1,343,566</i>
 Reserve Margin Range		
Available Capacity Net Requirements	(8,849)	(9,434)
As a Percentage of Total Requirements	-0.6%	-0.7%
Available including Physical Reserve	27,151	26,566
(Reserve / Design Day)	2.0%	2.0%

CenterPoint Energy’s design-day forecasting dataset includes daily usage data from all winter days for the past six heating seasons (November 2010 – March 2016), includes the monthly count of firm customers, and includes both HDDs and the square of the HDDs as independent variables to account for the non-linear relationships between HDD and usage. The model

estimates the expected use-per customer (“UPC”) at various levels of HDD. This model uses many observations, which reflect recent customer use patterns. There is a good fit, as the actual observations (high R squared of 0.9754) and the coefficients are consistent with expectations and are statistically significant. (See Exhibit B, page 1 for model specifications and statistical test results, and Exhibit B, pages 5 through 18 for the daily data set.)

To account for the limited observations available at extremely cold temperatures, CPE calculates the UPC level from the model at the upper level of the 95% confidence interval. This limits the likelihood of the actual UPC being above the estimate to a 2.5% chance, which CPE believes is necessary in Minnesota’s cold climate. As shown in Exhibit B, page 1, CenterPoint Energy’s estimated Design Day for the 2016-2017 heating season is 1,328,000, assuming 90 HDDs and a Firm customer count of 850,572.

As a check of the model’s performance, CenterPoint Energy used the model it developed in the spring of 2015 for the 2015-2016 Design Day to demonstrate the “fit” of the model at predicting the sales this past winter, after the fact. The model for 2015-2016 is structurally the same as the 2016-2017 model, but the coefficients were updated in the present docket to account for the addition of a new year of data and the removal of the oldest year of data. The Company used the monthly firm customer count and the actual HDD weather and calculated a predicted sales volume for the five winter months November 2015 through March 2016. The model predictions were then compared to the actual firm sales recorded by the Company’s Daily sales reports.

CenterPoint Energy uses the model to be sure we have enough capacity to delivery gas when the temperature is approaching a design day scenario; we have to be extremely cautious about the design day estimate. It is critically important that we have the capacity to serve firm customers if a Design Day occurs; using a 95% Confidence Interval upper limit is responsible, if not necessary, to assure sufficient capacity.

By using the 95% confidence level, the likelihood the actual use per customer being above the estimate is a 2.5% chance; therefore, CPE is comfortable with the 2% reserve margin. The company also has 26,566 DT of physical reserve to cover that 2.5% chance, but continues to look for additional options, either entitlements or peaking service, to cover the requirements.

Exhibit B details CenterPoint Energy's design day model, along with related data requested annually by the Department of Commerce (DOC) to complete its analysis.

Cost Estimates:

Exhibit A, Page 1 contains the Annual Demand Cost Calculation that the Company will make effective November 1, 2016, reflecting updated entitlement expense. Prior to implementation, CPE plans to update noted values when they become final.

Exhibit A, Page 2 shows the current (June 1, 2016) and proposed (November 1, 2016) Annual Demand Cost Calculation, provided for comparison purposes as requested in previous demand filings.

Note: Exhibit A is trade secret because it contains details on contracted units and rates, and disclosure of this information would adversely affect our ability to negotiate future contracts with capacity suppliers. A public version is supplied in the public document that summarizes available capacity, removing detailed information that CenterPoint Energy considers to be trade secret.

C. A summary of the levels of winter versus summer usage for all customer classes.
 12 months ended March 2016 (in Dekatherms) –

<u>Customer Class</u>	<u>Winter</u>	<u>Summer</u>	<u>Total</u>
Small Volume Firm	69,364,207	22,769,639	92,133,846
Large General Service	40,540	77,322	117,862
Small Vol. Dual Fuel	6,003,728	3,097,060	9,100,788
Large Vol. Dual Fuel	<u>1,141,594</u>	<u>1,255,725</u>	<u>2,397,319</u>
System Total	76,550,069	27,199,746	103,749,815
Transport Firm (Sm+Lg)	14,298,697	16,837,238	31,135,935
SV -Transport	3,390,784	1,361,974	4,752,758
LV -Transport	15,218,112	20,181,429	35,399,541

D. A description of design-day gas supply from all sources under the new level, allocation, or form of demand.

Exhibits A and B contain the detailed pipeline entitlements and other demand costs.

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.987648718
R Square	0.975449991
Adjusted R Square	0.975395737
Standard Error	0.036180992
Observations	908

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	2	47.07202442	23.53601221	17979.2651	0
Residual	905	1.184703097	0.001309064		
Total	907	48.25672752			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0.057720276	0.006721837	8.586979811	3.85983E-17	0.044528075	0.070912477	0.044528075	0.070912477
HDDs	0.013014739	0.000345443	37.67546295	1.4278E-187	0.012336776	0.013692702	0.012336776	0.013692702
HDDs^2	3.18397E-05	4.2166E-06	7.551017795	1.05414E-13	2.35642E-05	4.01151E-05	2.35642E-05	4.01151E-05

<u>Year</u>	<u>HDDs</u>	<u>Customer #</u>	<u>UPC @ DD</u>	<u>Volume @ DD</u>	<u>UPC @ 95% CI UL</u>	<u>Volume @ 95% CI UL</u>	<u>Diff</u>
2017	90	850,572	1.487	1,265,000	1.561	1,328,000	63,000
2018	90	860,305	1.487	1,279,000	1.561	1,343,000	64,000
2019	90	870,125	1.487	1,294,000	1.561	1,358,000	64,000
2020	90	880,049	1.487	1,309,000	1.561	1,374,000	65,000
2021	90	890,094	1.487	1,324,000	1.561	1,389,000	65,000

CENTERPOINT ENERGY

ADDITIONAL INFORMATION REQUESTED FROM THE DOC

1 Provide Heating Degree Day (HDD) data for the most recent 12 month period, ending March 31 or October 30.

		Peak Season (Nov-Mar)	Off Peak (Apr-Oct)	Total <u>Actual</u>
Total Heating Degree Day (April 2015 - March 2016)	Actual	5,121	1,129	6,250
	Normal (10 yr) (2006-2015)	6,003	1,318	7,321
Total Annual Firm Sales (In Dekatherms (April 2015 - March 2016))				92,133,846
Average Annual Firm Customers (April 2015 - March 2016)				833,248
Use per Firm Customer				110.6
Projected Peak Day HDD (Typical) (-12 degrees F.)				77
Projected Design Day HDD (-25 degrees F.)				90

2 Historical and Projected Design Day and Peak Day Requirements

Heating Season	Firm Sales Customers (January)	Design Day Dekatherms	Total Requirements plus Peak Shaving	Firm Peak Day Sendout
2015/2016 P	850,572	1,328,000	1,355,151	N/A
2015/2016	839,291	1,317,000	1,343,566	994,146
2014/2015	830,377	1,290,000	1,344,418	959,990
2013/2014	821,220	1,288,000	1,340,099	1,086,330
2012/2013	813,605	1,280,000	1,346,781	961,134
2011/2012	807,922	1,216,000	1,379,681	830,444

P = projected

CenterPoint Energy Demand Profile
2016-2017

NON-PUBLIC INFORMATION
Contains Trade Secret Information
Exhibit B
Page 3

	(1)	(2)	(3)	(4)	(5)	(6) UPDATED DEC 2015	(7)	(8) TOTAL
	10-1162 (Dec. 2010) Quantity (Dkt)	11-1078(Dec 2011) Quantity (Dkt)	11-1078(April 2012) Quantity (Dkt)	12-864(Jan 2013) Quantity (Dkt)	13-578(Jan 2014) Quantity (Dkt)	15-644 Quantity (Dkt)	16-XXX	Change Last Demand (7)-(6)
Heating Season Services								
[TRADE SECRET DATA BEGINS...]								
NNG TF-12 Base Winter								
NNG TF-12 Base Summer								
NNG TF-12 Variable Winter								
NNG TF-12 Variable Summer								
NNG TF-12 -Growth-Winter								
NNG TF-12 Growth Summer								
NNG TF-5								
NNG TF-5 Growth								
NNG TF-5 Growth								
TFX-5 mo (non-discounted)								
TFX-12 mo (non-discounted)								
TFX-A1-winter								
TFX-A1-summer								
TFX-A2-winter								
TFX-A2-summer								
TFX-B1-winter								
TFX-B1-summer								
TFX-B2-winter								
TFX-B2-summer								
TFX-C1-winter								
TFX-C1-summer								
TFX-C2-winter								
TFX-C2-summer								
2/								
Total NNG Demand Winter	979,172	979,172	979,172	978,872	981,657	1,021,056	1,021,056 **	0
Total NNG Demand Summer	551,883	551,883	551,883	551,673	553,531	574,667	574,667	0
[TRADE SECRET DATA BEGINS]								
Reservation - Waterville (151 days)								
Waterville - SBA								
SMS								
Viking								
FT-A - 12 month								
FT-A - 5 month (5,000 5 mo.)								
FT-A - 3 month								
Total Viking Demand	76,809	76,809	76,809	56,809	56,809	66,809	66,809	0
Trailblazer (FTS Backhaul)						100,000	100,000	0
Supply Demand								
1/ [TRADE SECRET DATA BEGINS]								
Seasonal Reservation								
Storage NGPL								
Storage Tennaska								
Storage BP Canada								
Storage Northern Natural FDD								
...TRADE SECRET DATA ENDS]								
NOTE: Reflects Total volumes contracted and does not reflect any cost allocation.								
Released Capacity			0	(1,500)	0	0	0	0
Underground Storage	50,000	50,000	50,000	50,000	50,000	50,000	50,000	0
LNG Peak Shaving	72,000	72,000	72,000	72,000	72,000	72,000	72,000	0
Propane Peak Shaving	201,700	201,700	201,700	188,800	179,633	171,000	180,200	9,200
Total Peaking	323,700	323,700	323,700	310,800	301,633	293,000	302,200	9,200
Total Capacity	1,379,481	1,379,481	1,379,681	1,344,981	1,340,099	1,355,951	1,365,151 **	9,200
Total Peak-Shaving Capacity/On-line Storage	323,700	323,700	323,700	310,800	301,633	293,000	302,200	9,200
Total Annual Transportation	608,692	608,692	608,692	608,482	610,340	631,476	631,476	0
Total Seasonal Transportation	1,055,981	1,055,981	1,055,981	1,034,181	1,038,466	1,065,146	1,065,146 **	0
Peak Shaving as % of Total Capacity	23.5%	23.5%	23.5%	23.1%	22.5%	21.6%	22.1%	
Annual Transportation as % of Total Capacity	44.1%	44.1%	44.1%	45.2%	45.5%	46.6%	46.3%	
Seasonal Transportation as % of Total Capacity	76.5%	76.5%	76.5%	76.9%	77.5%	78.6%	78.0%	
Annual and Seasonal Transportation as % of Total Transportation	63.4%	63.4%	63.4%	63.0%	63.0%	62.8%	62.8%	

	Last Rate Case (G008/MR-15- 728 and GR- 15-524)	Last Demand Change (G008/M-15- 644) (12/2015)	June 2016 PGA	November 2016 PGA (M-16-xxx)	Change From Last Rate Case	Change From Last Demand Change	Percent Change (%) From Most Recent PGA	Change (\$) From Most Recent PGA
Residential								
Commodity Cost of Gas (WACOG) (4)	\$3.4897	\$2.9715	\$2.0116	\$2.0116	-42.36%	-32.30%	0.00%	\$0.0000
Demand Cost of Gas (1)	\$0.7646	\$0.8505	\$0.8257	\$0.7993	4.54%	-6.02%	-3.20%	(\$0.0264)
Commodity Margin (2) (3)	\$1.8458	\$1.9341	\$1.9479	\$1.9479	5.53%	0.71%	0.00%	\$0.0000
Total Cost of Gas	\$6.1001	\$5.7561	\$4.7852	\$4.7588	-21.99%	-17.33%	-0.55%	(\$0.0264)
Average Annual Usage (Dk)	100	100	100	100				
Average Annual Total Cost of Gas	\$610.01	\$575.61	\$478.52	\$475.88	-21.99%	-17.33%	-0.55%	(\$2.64)
Average Annual Total Demand Cost of Gas								(\$2.64)

	Last Rate Case (G008/MR-15- 728 and GR- 15-524)	Last Demand Change (G008/M-15- 644) (12/2015)	June 2016 PGA	November 2016 PGA (M-16-xxx)	Change From Last Rate Case	Change From Last Demand Change	Percent Change (%) From Most Recent PGA	Change (\$) From Most Recent PGA
Commercial/Industrial Firm - A								
Commodity Cost of Gas (WACOG)	\$4.0181	\$2.9715	\$2.0116	\$2.0116	-49.94%	-32.30%	0.00%	\$0.0000
Demand Cost of Gas (1)	\$0.7646	\$0.8505	\$0.8257	\$0.7993	4.54%	-6.02%	-3.20%	(\$0.0264)
Commodity Margin	\$1.4129	\$1.5012	\$1.5150	\$1.5150	7.23%	0.92%	0.00%	\$0.0000
Total Cost of Gas	\$6.1956	\$5.3232	\$4.3523	\$4.3259	-30.18%	-18.73%	-0.61%	(\$0.0264)
Average Annual Usage (Dk)	80	80	80	80				
Average Annual Total Cost of Gas	\$495.65	\$425.86	\$348.18	\$346.07	-30.18%	-18.73%	-0.61%	(\$2.11)
Average Annual Total Demand Cost of Gas								(\$2.11)

	Last Rate Case (G008/MR-15- 728 and GR- 15-524)	Last Demand Change (G008/M-15- 644) (12/2015)	June 2016 PGA	November 2016 PGA (M-16-xxx)	Change From Last Rate Case	Change From Last Demand Change	Percent Change (%) From Most Recent PGA	Change (\$) From Most Recent PGA
Commercial/Industrial Firm - B								
Commodity Cost of Gas (WACOG)	\$4.0181	\$2.9715	\$2.0116	\$2.0116	-49.94%	-32.30%	0.00%	\$0.0000
Demand Cost of Gas (1)	\$0.7646	\$0.8505	\$0.8257	\$0.7993	4.54%	-6.02%	-3.20%	(\$0.0264)
Commodity Margin	\$1.3329	\$1.4232	\$1.4370	\$1.4370	7.81%	0.97%	0.00%	\$0.0000
Total Cost of Gas	\$6.1156	\$5.2452	\$4.2743	\$4.2479	-30.54%	-19.01%	-0.62%	(\$0.0264)
Average Annual Usage (Dk)	2,860	2,860	2,860	2,860				
Average Annual Total Cost of Gas	\$17,490.62	\$15,001.27	\$12,224.50	\$12,148.99	-30.54%	-19.01%	-0.62%	(\$75.50)
Average Annual Total Demand Cost of Gas								(\$75.50)

	Last Rate Case (G008/MR-15- 728 and GR- 15-524)	Last Demand Change (G008/M-15- 644) (12/2015)	June 2016 PGA	November 2016 PGA (M-16-xxx)	Change From Last Rate Case	Change From Last Demand Change	Percent Change (%) From Most Recent PGA	Change (\$) From Most Recent PGA
Commercial/Industrial Firm - C								
Commodity Cost of Gas (WACOG)	\$3.9806	\$2.9715	\$2.0116	\$2.0116	-49.46%	-32.30%	0.00%	\$0.0000
Demand Cost of Gas (1)	\$0.7646	\$0.8505	\$0.8257	\$0.7993	4.54%	-6.02%	-3.20%	(\$0.0264)
Commodity Margin	\$1.3969	\$1.4852	\$1.4990	\$1.4990	7.31%	0.93%	0.00%	\$0.0000
Total Cost of Gas	\$6.1421	\$5.3072	\$4.3363	\$4.3099	-29.83%	-18.79%	-0.61%	(\$0.0264)
Average Annual Usage (Dk)	14,300	14,300	14,300	14,300				
Average Annual Total Cost of Gas	\$87,832.03	\$75,892.96	\$62,009.09	\$61,631.57	-29.83%	-18.79%	-0.61%	(\$377.52)
Average Annual Total Demand Cost of Gas								(\$377.52)

Summary	Commodity Change (\$/Dk)	Commodity Change (Percent)	Demand Change (\$/Dk)	Demand Change (Percent)	Total Change (\$/Dk)	Total Change (Percent)
Change from most recent PGA						
Customer Class						
Residential	\$0.0000	0.00%	-\$0.0264	-3.20%	(\$2.64)	-0.55%
Commercial/Industrial Firm A	\$0.0000	0.00%	-\$0.0264	-3.20%	(\$2.11)	-0.61%
Commercial/Industrial Firm B	\$0.0000	0.00%	-\$0.0264	-3.20%	(\$75.50)	-0.62%
Commercial/Industrial Firm C	\$0.0000	0.00%	-\$0.0264	-3.20%	(\$377.52)	-0.61%

- (1) Does not include Demand Smoothing
- (2) Does not reflect GAP, Interim or GCR Factors.
- (3) Reflects current base rate plus CCRA.
- (4) WACOG value in the Dec 2015 is Dec 2015 (Last Demand change)

Date	Firm Throughput	Temperature	Firm Customer	UPC	HDD	HDDs^2	Nov	Dec	Feb	Mar
11/01/10	258,034	42.6	801,402	0.322	22.4	502	1	0	0	0
11/02/10	201,168	49.8	801,402	0.251	15.2	231	1	0	0	0
11/03/10	210,523	47.0	801,402	0.263	18.0	324	1	0	0	0
11/04/10	302,336	36.9	801,402	0.377	28.1	790	1	0	0	0
11/05/10	300,807	37.8	801,402	0.375	27.2	740	1	0	0	0
11/06/10	234,346	47.3	801,402	0.292	17.7	313	1	0	0	0
11/07/10	177,852	50.5	801,402	0.222	14.5	210	1	0	0	0
11/08/10	160,859	51.8	801,402	0.201	13.2	174	1	0	0	0
11/09/10	124,685	58.1	801,402	0.156	6.9	48	1	0	0	0
11/10/10	147,476	51.5	801,402	0.184	13.5	182	1	0	0	0
11/11/10	229,789	43.8	801,402	0.287	21.2	449	1	0	0	0
11/12/10	301,753	38.5	801,402	0.377	26.5	702	1	0	0	0
11/13/10	367,170	33.7	801,402	0.458	31.3	980	1	0	0	0
11/14/10	374,955	32.2	801,402	0.468	32.8	1076	1	0	0	0
11/15/10	357,511	33.5	801,402	0.446	31.5	992	1	0	0	0
11/16/10	376,120	33.6	801,402	0.469	31.4	986	1	0	0	0
11/17/10	382,075	31.9	801,402	0.477	33.1	1096	1	0	0	0
11/18/10	421,609	31.0	801,402	0.526	34.0	1156	1	0	0	0
11/19/10	429,069	27.0	801,402	0.535	38.0	1444	1	0	0	0
11/20/10	486,637	26.2	801,402	0.607	38.8	1505	1	0	0	0
11/21/10	416,247	32.0	801,402	0.519	33.0	1089	1	0	0	0
11/22/10	551,885	19.7	801,402	0.689	45.3	2052	1	0	0	0
11/23/10	547,095	20.9	801,402	0.683	44.1	1945	1	0	0	0
11/24/10	507,952	24.5	801,402	0.634	40.5	1640	1	0	0	0
11/25/10	623,857	12.0	801,402	0.778	53.0	2809	1	0	0	0
11/26/10	568,142	17.5	801,402	0.709	47.5	2256	1	0	0	0
11/27/10	486,560	25.8	801,402	0.607	39.2	1537	1	0	0	0
11/28/10	363,320	41.0	801,402	0.453	24.0	576	1	0	0	0
11/29/10	393,214	34.9	801,402	0.491	30.1	906	1	0	0	0
11/30/10	584,808	19.1	801,402	0.730	45.9	2107	1	0	0	0
12/01/10	594,995	16.9	803,510	0.740	48.1	2314	0	1	0	0
12/02/10	626,714	13.6	803,510	0.780	51.4	2642	0	1	0	0
12/03/10	608,056	18.3	803,510	0.757	46.7	2181	0	1	0	0
12/04/10	589,613	15.4	803,510	0.734	49.6	2460	0	1	0	0
12/05/10	627,140	15.6	803,510	0.781	49.4	2440	0	1	0	0
12/06/10	597,204	16.0	803,510	0.743	49.0	2401	0	1	0	0
12/07/10	645,849	9.5	803,510	0.804	55.5	3080	0	1	0	0
12/08/10	630,836	14.4	803,510	0.785	50.6	2560	0	1	0	0
12/09/10	518,425	25.2	803,510	0.645	39.8	1584	0	1	0	0
12/10/10	540,872	21.3	803,510	0.673	43.7	1910	0	1	0	0
12/11/10	693,401	11.3	803,510	0.863	53.7	2884	0	1	0	0
12/12/10	788,154	0.8	803,510	0.981	64.2	4122	0	1	0	0
12/13/10	784,393	0.0	803,510	0.976	65.0	4225	0	1	0	0
12/14/10	717,791	7.0	803,510	0.893	58.0	3364	0	1	0	0
12/15/10	629,348	15.9	803,510	0.783	49.1	2411	0	1	0	0
12/16/10	628,649	14.6	803,510	0.782	50.4	2540	0	1	0	0
12/17/10	665,710	11.3	803,510	0.829	53.7	2884	0	1	0	0
12/18/10	666,298	11.0	803,510	0.829	54.0	2916	0	1	0	0
12/19/10	646,549	12.3	803,510	0.805	52.7	2777	0	1	0	0
12/20/10	555,799	24.4	803,510	0.692	40.6	1648	0	1	0	0
12/21/10	515,878	25.7	803,510	0.642	39.3	1544	0	1	0	0
12/22/10	470,300	28.4	803,510	0.585	36.6	1340	0	1	0	0
12/23/10	493,917	24.6	803,510	0.615	40.4	1632	0	1	0	0
12/24/10	504,526	22.3	803,510	0.628	42.7	1823	0	1	0	0
12/25/10	571,697	15.2	803,510	0.711	49.8	2480	0	1	0	0
12/26/10	582,092	14.6	803,510	0.724	50.4	2540	0	1	0	0
12/27/10	595,956	17.3	803,510	0.742	47.7	2275	0	1	0	0
12/28/10	481,616	28.0	803,510	0.599	37.0	1369	0	1	0	0
12/29/10	400,820	34.6	803,510	0.499	30.4	924	0	1	0	0
12/30/10	447,557	27.5	803,510	0.557	37.5	1406	0	1	0	0
12/31/10	653,373	12.9	803,510	0.813	52.1	2714	0	1	0	0
01/01/11	774,584	4.8	804,703	0.963	60.2	3624	0	0	0	0
01/02/11	666,166	13.6	804,703	0.828	51.4	2642	0	0	0	0
01/03/11	679,585	10.0	804,703	0.845	55.0	3025	0	0	0	0
01/04/11	717,886	6.7	804,703	0.892	58.3	3399	0	0	0	0

Date	Firm Throughput	Temperature	Firm Customer	UPC	HDD	HDDs^2	Nov	Dec	Feb	Mar
01/05/11	620,929	16.2	804,703	0.772	48.8	2381	0	0	0	0
01/06/11	620,550	14.0	804,703	0.771	51.0	2601	0	0	0	0
01/07/11	723,159	9.0	804,703	0.899	56.0	3136	0	0	0	0
01/08/11	745,228	4.1	804,703	0.926	60.9	3709	0	0	0	0
01/09/11	680,517	12.6	804,703	0.846	52.4	2746	0	0	0	0
01/10/11	606,673	19.5	804,703	0.754	45.5	2070	0	0	0	0
01/11/11	597,357	17.7	804,703	0.742	47.3	2237	0	0	0	0
01/12/11	665,398	8.8	804,703	0.827	56.2	3158	0	0	0	0
01/13/11	664,889	13.8	804,703	0.826	51.2	2621	0	0	0	0
01/14/11	628,386	14.5	804,703	0.781	50.5	2550	0	0	0	0
01/15/11	686,243	7.5	804,703	0.853	57.5	3306	0	0	0	0
01/16/11	680,168	13.7	804,703	0.845	51.3	2632	0	0	0	0
01/17/11	611,865	18.5	804,703	0.760	46.5	2162	0	0	0	0
01/18/11	695,229	7.9	804,703	0.864	57.1	3260	0	0	0	0
01/19/11	746,203	3.6	804,703	0.927	61.4	3770	0	0	0	0
01/20/11	872,772	(5.1)	804,703	1.085	70.1	4914	0	0	0	0
01/21/11	836,732	0.1	804,703	1.040	64.9	4212	0	0	0	0
01/22/11	820,329	(1.2)	804,703	1.019	66.2	4382	0	0	0	0
01/23/11	755,919	10.1	804,703	0.939	54.9	3014	0	0	0	0
01/24/11	611,033	20.2	804,703	0.759	44.8	2007	0	0	0	0
01/25/11	606,062	16.0	804,703	0.753	49.0	2401	0	0	0	0
01/26/11	531,098	22.1	804,703	0.660	42.9	1840	0	0	0	0
01/27/11	498,499	25.3	804,703	0.619	39.7	1576	0	0	0	0
01/28/11	479,942	28.7	804,703	0.596	36.3	1318	0	0	0	0
01/29/11	578,763	19.1	804,703	0.719	45.9	2107	0	0	0	0
01/30/11	587,441	18.9	804,703	0.730	46.1	2125	0	0	0	0
01/31/11	639,576	14.4	804,703	0.795	50.6	2560	0	0	0	0
02/01/11	744,324	7.3	805,101	0.925	57.7	3329	0	0	1	0
02/02/11	762,354	3.0	805,101	0.947	62.0	3844	0	0	1	0
02/03/11	616,457	14.3	805,101	0.766	50.7	2570	0	0	1	0
02/04/11	497,859	24.0	805,101	0.618	41.0	1681	0	0	1	0
02/05/11	494,504	25.9	805,101	0.614	39.1	1529	0	0	1	0
02/06/11	576,379	22.6	805,101	0.716	42.4	1798	0	0	1	0
02/07/11	823,808	1.5	805,101	1.023	63.5	4032	0	0	1	0
02/08/11	886,803	(1.1)	805,101	1.101	66.1	4369	0	0	1	0
02/09/11	829,975	(2.1)	805,101	1.031	67.1	4502	0	0	1	0
02/10/11	721,898	0.9	805,101	0.897	64.1	4109	0	0	1	0
02/11/11	476,807	23.2	805,101	0.592	41.8	1747	0	0	1	0
02/12/11	380,976	32.6	805,101	0.473	32.4	1050	0	0	1	0
02/13/11	336,670	40.8	805,101	0.418	24.2	586	0	0	1	0
02/14/11	388,915	34.9	805,101	0.483	30.1	906	0	0	1	0
02/15/11	377,896	35.1	805,101	0.469	29.9	894	0	0	1	0
02/16/11	257,834	41.6	805,101	0.320	23.4	548	0	0	1	0
02/17/11	364,980	33.4	805,101	0.453	31.6	999	0	0	1	0
02/18/11	527,055	17.8	805,101	0.655	47.2	2228	0	0	1	0
02/19/11	494,969	24.9	805,101	0.615	40.1	1608	0	0	1	0
02/20/11	566,214	24.6	805,101	0.703	40.4	1632	0	0	1	0
02/21/11	683,693	17.2	805,101	0.849	47.8	2285	0	0	1	0
02/22/11	579,082	24.3	805,101	0.719	40.7	1656	0	0	1	0
02/23/11	437,681	28.9	805,101	0.544	36.1	1303	0	0	1	0
02/24/11	578,876	16.7	805,101	0.719	48.3	2333	0	0	1	0
02/25/11	789,768	4.2	805,101	0.981	60.8	3697	0	0	1	0
02/26/11	789,859	4.8	805,101	0.981	60.2	3624	0	0	1	0
02/27/11	665,131	17.3	805,101	0.826	47.7	2275	0	0	1	0
02/28/11	535,723	21.5	805,101	0.665	43.5	1892	0	0	1	0
03/01/11	603,824	15.1	804,904	0.750	49.9	2490	0	0	0	1
03/02/11	652,981	14.5	804,904	0.811	50.5	2550	0	0	0	1
03/03/11	498,773	29.2	804,904	0.620	35.8	1282	0	0	0	1
03/04/11	536,834	24.1	804,904	0.667	40.9	1673	0	0	0	1
03/05/11	532,603	20.2	804,904	0.662	44.8	2007	0	0	0	1
03/06/11	493,494	26.6	804,904	0.613	38.4	1475	0	0	0	1
03/07/11	483,004	27.9	804,904	0.600	37.1	1376	0	0	0	1
03/08/11	405,703	33.9	804,904	0.504	31.1	967	0	0	0	1
03/09/11	423,275	31.9	804,904	0.526	33.1	1096	0	0	0	1
03/10/11	463,557	25.4	804,904	0.576	39.6	1568	0	0	0	1

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03/11/11	434,343	31.1	804,904	0.540	33.9	1149	0	0	0	1
03/12/11	520,471	18.1	804,904	0.647	46.9	2200	0	0	0	1
03/13/11	535,778	22.0	804,904	0.666	43.0	1849	0	0	0	1
03/14/11	430,306	32.5	804,904	0.535	32.5	1056	0	0	0	1
03/15/11	360,056	36.2	804,904	0.447	28.8	829	0	0	0	1
03/16/11	270,398	46.3	804,904	0.336	18.7	350	0	0	0	1
03/17/11	284,705	42.5	804,904	0.354	22.5	506	0	0	0	1
03/18/11	369,713	31.8	804,904	0.459	33.2	1102	0	0	0	1
03/19/11	300,552	42.7	804,904	0.373	22.3	497	0	0	0	1
03/20/11	337,078	40.2	804,904	0.419	24.8	615	0	0	0	1
03/21/11	337,983	39.2	804,904	0.420	25.8	666	0	0	0	1
03/22/11	454,435	33.5	804,904	0.565	31.5	992	0	0	0	1
03/23/11	517,662	22.4	804,904	0.643	42.6	1815	0	0	0	1
03/24/11	455,535	25.5	804,904	0.566	39.5	1560	0	0	0	1
03/25/11	449,620	24.9	804,904	0.559	40.1	1608	0	0	0	1
03/26/11	470,741	24.0	804,904	0.585	41.0	1681	0	0	0	1
03/27/11	446,528	26.5	804,904	0.555	38.5	1482	0	0	0	1
03/28/11	414,277	29.0	804,904	0.515	36.0	1296	0	0	0	1
03/29/11	380,544	32.6	804,904	0.473	32.4	1050	0	0	0	1
03/30/11	317,637	38.1	804,904	0.395	26.9	724	0	0	0	1
03/31/11	297,293	40.9	804,904	0.369	24.1	581	0	0	0	1
11/01/11	196,244	49.1	804,484	0.244	15.9	253	1	0	0	0
11/02/11	264,826	42.0	804,484	0.329	23.0	529	1	0	0	0
11/03/11	278,061	40.2	804,484	0.346	24.8	615	1	0	0	0
11/04/11	243,998	45.1	804,484	0.303	19.9	396	1	0	0	0
11/05/11	199,215	50.4	804,484	0.248	14.6	213	1	0	0	0
11/06/11	245,977	45.3	804,484	0.306	19.7	388	1	0	0	0
11/07/11	266,585	41.5	804,484	0.331	23.5	552	1	0	0	0
11/08/11	279,347	41.6	804,484	0.347	23.4	548	1	0	0	0
11/09/11	299,481	39.8	804,484	0.372	25.2	635	1	0	0	0
11/10/11	368,962	34.8	804,484	0.459	30.2	912	1	0	0	0
11/11/11	275,045	41.3	804,484	0.342	23.7	562	1	0	0	0
11/12/11	199,341	51.8	804,484	0.248	13.2	174	1	0	0	0
11/13/11	280,192	42.4	804,484	0.348	22.6	511	1	0	0	0
11/14/11	277,740	41.8	804,484	0.345	23.2	538	1	0	0	0
11/15/11	337,202	36.1	804,484	0.419	28.9	835	1	0	0	0
11/16/11	453,024	26.3	804,484	0.563	38.7	1498	1	0	0	0
11/17/11	412,752	31.8	804,484	0.513	33.2	1102	1	0	0	0
11/18/11	307,244	39.9	804,484	0.382	25.1	630	1	0	0	0
11/19/11	464,589	24.6	804,484	0.577	40.4	1632	1	0	0	0
11/20/11	495,764	22.1	804,484	0.616	42.9	1840	1	0	0	0
11/21/11	397,382	33.8	804,484	0.494	31.2	973	1	0	0	0
11/22/11	355,440	36.8	804,484	0.442	28.2	795	1	0	0	0
11/23/11	273,907	43.3	804,484	0.340	21.7	471	1	0	0	0
11/24/11	202,931	51.8	804,484	0.252	13.2	174	1	0	0	0
11/25/11	205,456	49.4	804,484	0.255	15.6	243	1	0	0	0
11/26/11	329,949	37.9	804,484	0.410	27.1	734	1	0	0	0
11/27/11	419,449	30.7	804,484	0.521	34.3	1176	1	0	0	0
11/28/11	394,581	32.8	804,484	0.490	32.2	1037	1	0	0	0
11/29/11	424,726	30.3	804,484	0.528	34.7	1204	1	0	0	0
11/30/11	392,193	34.4	804,484	0.488	30.6	936	1	0	0	0
12/01/11	500,770	22.6	806,620	0.621	42.4	1798	0	1	0	0
12/02/11	449,086	30.8	806,620	0.557	34.2	1170	0	1	0	0
12/03/11	427,673	29.2	806,620	0.530	35.8	1282	0	1	0	0
12/04/11	502,906	22.9	806,620	0.623	42.1	1772	0	1	0	0
12/05/11	578,077	17.8	806,620	0.717	47.2	2228	0	1	0	0
12/06/11	606,781	14.7	806,620	0.752	50.3	2530	0	1	0	0
12/07/11	506,542	24.4	806,620	0.628	40.6	1648	0	1	0	0
12/08/11	602,851	15.1	806,620	0.747	49.9	2490	0	1	0	0
12/09/11	663,304	11.1	806,620	0.822	53.9	2905	0	1	0	0
12/10/11	533,198	23.9	806,620	0.661	41.1	1689	0	1	0	0
12/11/11	392,659	37.3	806,620	0.487	27.7	767	0	1	0	0
12/12/11	352,872	37.1	806,620	0.437	27.9	778	0	1	0	0
12/13/11	358,853	36.4	806,620	0.445	28.6	818	0	1	0	0
12/14/11	367,015	35.9	806,620	0.455	29.1	847	0	1	0	0

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12/15/11	528,586	24.0	806,620	0.655	41.0	1681	0	1	0	0
12/16/11	514,399	23.4	806,620	0.638	41.6	1731	0	1	0	0
12/17/11	465,926	28.0	806,620	0.578	37.0	1369	0	1	0	0
12/18/11	356,303	39.3	806,620	0.442	25.7	660	0	1	0	0
12/19/11	477,138	27.4	806,620	0.592	37.6	1414	0	1	0	0
12/20/11	489,986	25.2	806,620	0.607	39.8	1584	0	1	0	0
12/21/11	482,797	27.7	806,620	0.599	37.3	1391	0	1	0	0
12/22/11	521,587	23.7	806,620	0.647	41.3	1706	0	1	0	0
12/23/11	492,848	26.4	806,620	0.611	38.6	1490	0	1	0	0
12/24/11	377,981	36.8	806,620	0.469	28.2	795	0	1	0	0
12/25/11	379,692	34.0	806,620	0.471	31.0	961	0	1	0	0
12/26/11	341,755	41.7	806,620	0.424	23.3	543	0	1	0	0
12/27/11	452,731	26.8	806,620	0.561	38.2	1459	0	1	0	0
12/28/11	387,554	34.3	806,620	0.480	30.7	942	0	1	0	0
12/29/11	403,440	31.0	806,620	0.500	34.0	1156	0	1	0	0
12/30/11	410,557	31.3	806,620	0.509	33.7	1136	0	1	0	0
12/31/11	391,182	34.8	806,620	0.485	30.2	912	0	1	0	0
01/01/12	578,941	21.5	807,922	0.717	43.5	1892	0	0	0	0
01/02/12	630,964	14.5	807,922	0.781	50.5	2550	0	0	0	0
01/03/12	546,748	25.8	807,922	0.677	39.2	1537	0	0	0	0
01/04/12	439,015	30.8	807,922	0.543	34.2	1170	0	0	0	0
01/05/12	345,839	41.1	807,922	0.428	23.9	571	0	0	0	0
01/06/12	346,585	37.1	807,922	0.429	27.9	778	0	0	0	0
01/07/12	444,948	29.0	807,922	0.551	36.0	1296	0	0	0	0
01/08/12	396,939	35.8	807,922	0.491	29.2	853	0	0	0	0
01/09/12	348,850	37.8	807,922	0.432	27.2	740	0	0	0	0
01/10/12	314,387	40.8	807,922	0.389	24.2	586	0	0	0	0
01/11/12	588,769	18.4	807,922	0.729	46.6	2172	0	0	0	0
01/12/12	712,329	12.5	807,922	0.882	52.5	2756	0	0	0	0
01/13/12	688,499	9.7	807,922	0.852	55.3	3058	0	0	0	0
01/14/12	581,823	18.9	807,922	0.720	46.1	2125	0	0	0	0
01/15/12	431,655	32.1	807,922	0.534	32.9	1082	0	0	0	0
01/16/12	551,701	21.9	807,922	0.683	43.1	1858	0	0	0	0
01/17/12	723,245	8.5	807,922	0.895	56.5	3192	0	0	0	0
01/18/12	767,373	6.5	807,922	0.950	58.5	3422	0	0	0	0
01/19/12	830,044	0.8	807,922	1.027	64.2	4122	0	0	0	0
01/20/12	757,486	5.4	807,922	0.938	59.6	3552	0	0	0	0
01/21/12	654,611	18.4	807,922	0.810	46.6	2172	0	0	0	0
01/22/12	547,989	24.0	807,922	0.678	41.0	1681	0	0	0	0
01/23/12	574,007	20.4	807,922	0.710	44.6	1989	0	0	0	0
01/24/12	548,875	22.2	807,922	0.679	42.8	1832	0	0	0	0
01/25/12	458,690	29.3	807,922	0.568	35.7	1274	0	0	0	0
01/26/12	439,862	29.3	807,922	0.544	35.7	1274	0	0	0	0
01/27/12	518,024	26.8	807,922	0.641	38.2	1459	0	0	0	0
01/28/12	537,674	21.5	807,922	0.666	43.5	1892	0	0	0	0
01/29/12	558,124	19.8	807,922	0.691	45.2	2043	0	0	0	0
01/30/12	388,287	35.1	807,922	0.481	29.9	894	0	0	0	0
01/31/12	380,555	33.6	807,922	0.471	31.4	986	0	0	0	0
02/01/12	401,887	30.8	808,293	0.497	34.2	1170	0	0	1	0
02/02/12	404,628	32.1	808,293	0.501	32.9	1082	0	0	1	0
02/03/12	453,732	28.8	808,293	0.561	36.2	1310	0	0	1	0
02/04/12	444,208	29.4	808,293	0.550	35.6	1267	0	0	1	0
02/05/12	477,428	28.3	808,293	0.591	36.7	1347	0	0	1	0
02/06/12	385,875	34.3	808,293	0.477	30.7	942	0	0	1	0
02/07/12	563,483	19.8	808,293	0.697	45.2	2043	0	0	1	0
02/08/12	530,688	24.0	808,293	0.657	41.0	1681	0	0	1	0
02/09/12	496,100	26.5	808,293	0.614	38.5	1482	0	0	1	0
02/10/12	729,135	8.1	808,293	0.902	56.9	3238	0	0	1	0
02/11/12	686,037	12.6	808,293	0.849	52.4	2746	0	0	1	0
02/12/12	547,973	23.0	808,293	0.678	42.0	1764	0	0	1	0
02/13/12	499,218	26.6	808,293	0.618	38.4	1475	0	0	1	0
02/14/12	457,732	29.0	808,293	0.566	36.0	1296	0	0	1	0
02/15/12	427,158	31.9	808,293	0.528	33.1	1096	0	0	1	0
02/16/12	411,406	32.4	808,293	0.509	32.6	1063	0	0	1	0
02/17/12	429,591	29.9	808,293	0.531	35.1	1232	0	0	1	0

Date	Firm Throughput	Temperature	Firm Customer	UPC	HDD	HDDs^2	Nov	Dec	Feb	Mar
02/18/12	442,534	28.0	808,293	0.547	37.0	1369	0	0	1	0
02/19/12	391,241	34.2	808,293	0.484	30.8	949	0	0	1	0
02/20/12	403,680	35.6	808,293	0.499	29.4	864	0	0	1	0
02/21/12	457,371	29.5	808,293	0.566	35.5	1260	0	0	1	0
02/22/12	417,409	30.7	808,293	0.516	34.3	1176	0	0	1	0
02/23/12	417,584	32.0	808,293	0.517	33.0	1089	0	0	1	0
02/24/12	569,909	18.8	808,293	0.705	46.2	2134	0	0	1	0
02/25/12	488,400	25.5	808,293	0.604	39.5	1560	0	0	1	0
02/26/12	506,067	29.0	808,293	0.626	36.0	1296	0	0	1	0
02/27/12	470,323	27.2	808,293	0.582	37.8	1429	0	0	1	0
02/28/12	459,633	32.1	808,293	0.569	32.9	1082	0	0	1	0
02/29/12	424,640	32.0	808,293	0.525	33.0	1089	0	0	1	0
03/01/12	385,031	32.4	807,665	0.477	32.6	1063	0	0	0	1
03/02/12	439,940	26.7	807,665	0.545	38.3	1467	0	0	0	1
03/03/12	560,982	17.6	807,665	0.695	47.4	2247	0	0	0	1
03/04/12	517,269	21.6	807,665	0.640	43.4	1884	0	0	0	1
03/05/12	460,880	31.0	807,665	0.571	34.0	1156	0	0	0	1
03/06/12	243,296	51.7	807,665	0.301	13.3	177	0	0	0	1
03/07/12	425,519	30.5	807,665	0.527	34.5	1190	0	0	0	1
03/08/12	484,305	26.5	807,665	0.600	38.5	1482	0	0	0	1
03/09/12	405,954	34.6	807,665	0.503	30.4	924	0	0	0	1
03/10/12	191,690	55.6	807,665	0.237	9.4	88	0	0	0	1
03/11/12	176,082	54.5	807,665	0.218	10.5	110	0	0	0	1
03/12/12	249,537	45.0	807,665	0.309	20.0	400	0	0	0	1
03/13/12	159,704	55.5	807,665	0.198	9.5	90	0	0	0	1
03/14/12	130,418	58.4	807,665	0.161	6.6	44	0	0	0	1
03/15/12	170,161	53.5	807,665	0.211	11.5	132	0	0	0	1
03/16/12	90,378	67.1	807,665	0.112	0.0	0	0	0	0	1
03/17/12	81,543	70.5	807,665	0.101	0.0	0	0	0	0	1
03/18/12	87,451	70.2	807,665	0.108	0.0	0	0	0	0	1
03/19/12	82,821	65.8	807,665	0.103	0.0	0	0	0	0	1
03/20/12	99,993	60.1	807,665	0.124	4.9	24	0	0	0	1
03/21/12	105,198	60.0	807,665	0.130	5.0	25	0	0	0	1
03/22/12	103,483	61.9	807,665	0.128	3.1	10	0	0	0	1
03/23/12	84,460	62.2	807,665	0.105	2.8	8	0	0	0	1
03/24/12	116,549	54.9	807,665	0.144	10.1	102	0	0	0	1
03/25/12	185,806	47.6	807,665	0.230	17.4	303	0	0	0	1
03/26/12	316,285	42.1	807,665	0.392	22.9	524	0	0	0	1
03/27/12	162,431	53.5	807,665	0.201	11.5	132	0	0	0	1
03/28/12	202,336	46.3	807,665	0.251	18.7	350	0	0	0	1
03/29/12	168,668	49.3	807,665	0.209	15.7	246	0	0	0	1
03/30/12	194,993	44.2	807,665	0.241	20.8	433	0	0	0	1
03/31/12	199,787	47.5	807,665	0.247	17.5	306	0	0	0	1
11/01/12	307,225	35.9	811,114	0.379	29.1	847	1	0	0	0
11/02/12	323,801	37.5	811,114	0.399	27.5	756	1	0	0	0
11/03/12	309,667	37.5	811,114	0.382	27.5	756	1	0	0	0
11/04/12	286,563	41.4	811,114	0.353	23.6	557	1	0	0	0
11/05/12	293,718	41.3	811,114	0.362	23.7	562	1	0	0	0
11/06/12	300,748	39.8	811,114	0.371	25.2	635	1	0	0	0
11/07/12	287,479	39.9	811,114	0.354	25.1	630	1	0	0	0
11/08/12	249,963	43.3	811,114	0.308	21.7	471	1	0	0	0
11/09/12	224,816	47.3	811,114	0.277	17.7	313	1	0	0	0
11/10/12	174,624	53.8	811,114	0.215	11.2	125	1	0	0	0
11/11/12	449,010	24.9	811,114	0.554	40.1	1608	1	0	0	0
11/12/12	524,323	22.4	811,114	0.646	42.6	1815	1	0	0	0
11/13/12	349,460	36.9	811,114	0.431	28.1	790	1	0	0	0
11/14/12	263,688	43.6	811,114	0.325	21.4	458	1	0	0	0
11/15/12	330,197	35.9	811,114	0.407	29.1	847	1	0	0	0
11/16/12	329,654	36.8	811,114	0.406	28.2	795	1	0	0	0
11/17/12	219,662	49.0	811,114	0.271	16.0	256	1	0	0	0
11/18/12	196,452	50.4	811,114	0.242	14.6	213	1	0	0	0
11/19/12	215,001	46.3	811,114	0.265	18.7	350	1	0	0	0
11/20/12	247,642	45.0	811,114	0.305	20.0	400	1	0	0	0
11/21/12	161,947	56.5	811,114	0.200	8.5	72	1	0	0	0
11/22/12	360,375	31.7	811,114	0.444	33.3	1109	1	0	0	0

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11/23/12	551,707	18.5	811,114	0.680	46.5	2162	1	0	0	0
11/24/12	478,911	27.3	811,114	0.590	37.7	1421	1	0	0	0
11/25/12	498,388	23.1	811,114	0.614	41.9	1756	1	0	0	0
11/26/12	569,345	18.1	811,114	0.702	46.9	2200	1	0	0	0
11/27/12	474,521	29.3	811,114	0.585	35.7	1274	1	0	0	0
11/28/12	417,455	30.7	811,114	0.515	34.3	1176	1	0	0	0
11/29/12	395,313	34.5	811,114	0.487	30.5	930	1	0	0	0
11/30/12	383,381	35.3	811,114	0.473	29.7	882	1	0	0	0
12/01/12	322,331	39.3	812,553	0.397	25.7	660	0	1	0	0
12/02/12	327,142	40.9	812,553	0.403	24.1	581	0	1	0	0
12/03/12	281,835	44.3	812,553	0.347	20.7	428	0	1	0	0
12/04/12	462,568	25.3	812,553	0.569	39.7	1576	0	1	0	0
12/05/12	406,844	37.8	812,553	0.501	27.2	740	0	1	0	0
12/06/12	367,630	33.4	812,553	0.452	31.6	999	0	1	0	0
12/07/12	444,670	28.0	812,553	0.547	37.0	1369	0	1	0	0
12/08/12	409,188	30.8	812,553	0.504	34.2	1170	0	1	0	0
12/09/12	505,871	22.9	812,553	0.623	42.1	1772	0	1	0	0
12/10/12	624,225	9.3	812,553	0.768	55.7	3102	0	1	0	0
12/11/12	607,940	17.0	812,553	0.748	48.0	2304	0	1	0	0
12/12/12	417,427	37.4	812,553	0.514	27.6	762	0	1	0	0
12/13/12	455,817	27.5	812,553	0.561	37.5	1406	0	1	0	0
12/14/12	395,568	33.5	812,553	0.487	31.5	992	0	1	0	0
12/15/12	380,605	34.7	812,553	0.468	30.3	918	0	1	0	0
12/16/12	516,676	21.7	812,553	0.636	43.3	1875	0	1	0	0
12/17/12	507,739	23.8	812,553	0.625	41.2	1697	0	1	0	0
12/18/12	471,763	27.8	812,553	0.581	37.2	1384	0	1	0	0
12/19/12	460,079	27.0	812,553	0.566	38.0	1444	0	1	0	0
12/20/12	620,644	16.8	812,553	0.764	48.2	2323	0	1	0	0
12/21/12	625,145	13.7	812,553	0.769	51.3	2632	0	1	0	0
12/22/12	561,124	19.1	812,553	0.691	45.9	2107	0	1	0	0
12/23/12	599,746	16.4	812,553	0.738	48.6	2362	0	1	0	0
12/24/12	668,095	9.0	812,553	0.822	56.0	3136	0	1	0	0
12/25/12	715,967	7.2	812,553	0.881	57.8	3341	0	1	0	0
12/26/12	673,635	12.5	812,553	0.829	52.5	2756	0	1	0	0
12/27/12	606,782	18.8	812,553	0.747	46.2	2134	0	1	0	0
12/28/12	559,126	19.4	812,553	0.688	45.6	2079	0	1	0	0
12/29/12	664,060	8.6	812,553	0.817	56.4	3181	0	1	0	0
12/30/12	621,446	16.9	812,553	0.765	48.1	2314	0	1	0	0
12/31/12	730,350	4.0	812,553	0.899	61.0	3721	0	1	0	0
01/01/13	688,935	13.7	813,605	0.847	51.3	2632	0	0	0	0
01/02/13	617,490	16.8	813,605	0.759	48.2	2323	0	0	0	0
01/03/13	639,791	15.3	813,605	0.786	49.7	2470	0	0	0	0
01/04/13	545,654	20.3	813,605	0.671	44.7	1998	0	0	0	0
01/05/13	572,764	18.3	813,605	0.704	46.7	2181	0	0	0	0
01/06/13	570,148	21.5	813,605	0.701	43.5	1892	0	0	0	0
01/07/13	476,479	27.2	813,605	0.586	37.8	1429	0	0	0	0
01/08/13	462,921	31.3	813,605	0.569	33.7	1136	0	0	0	0
01/09/13	444,889	29.5	813,605	0.547	35.5	1260	0	0	0	0
01/10/13	397,847	35.5	813,605	0.489	29.5	870	0	0	0	0
01/11/13	413,862	32.4	813,605	0.509	32.6	1063	0	0	0	0
01/12/13	705,978	7.4	813,605	0.868	57.6	3318	0	0	0	0
01/13/13	777,312	6.0	813,605	0.955	59.0	3481	0	0	0	0
01/14/13	710,666	11.7	813,605	0.873	53.3	2841	0	0	0	0
01/15/13	550,828	26.3	813,605	0.677	38.7	1498	0	0	0	0
01/16/13	594,587	19.8	813,605	0.731	45.2	2043	0	0	0	0
01/17/13	631,806	17.4	813,605	0.777	47.6	2266	0	0	0	0
01/18/13	434,528	33.7	813,605	0.534	31.3	980	0	0	0	0
01/19/13	676,182	12.8	813,605	0.831	52.2	2725	0	0	0	0
01/20/13	852,848	(0.1)	813,605	1.048	65.1	4238	0	0	0	0
01/21/13	961,134	(6.9)	813,605	1.181	71.9	5170	0	0	0	0
01/22/13	841,471	3.0	813,605	1.034	62.0	3844	0	0	0	0
01/23/13	839,349	1.9	813,605	1.032	63.1	3982	0	0	0	0
01/24/13	801,212	10.1	813,605	0.985	54.9	3014	0	0	0	0
01/25/13	737,493	10.2	813,605	0.906	54.8	3003	0	0	0	0
01/26/13	630,692	22.2	813,605	0.775	42.8	1832	0	0	0	0

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01/27/13	486,825	31.2	813,605	0.598	33.8	1142	0	0	0	0
01/28/13	435,624	31.0	813,605	0.535	34.0	1156	0	0	0	0
01/29/13	483,077	27.1	813,605	0.594	37.9	1436	0	0	0	0
01/30/13	730,758	9.1	813,605	0.898	55.9	3125	0	0	0	0
01/31/13	919,219	(5.9)	813,605	1.130	70.9	5027	0	0	0	0
02/01/13	816,844	0.3	814,223	1.003	64.7	4186	0	0	1	0
02/02/13	708,072	7.2	814,223	0.870	57.8	3341	0	0	1	0
02/03/13	692,681	9.7	814,223	0.851	55.3	3058	0	0	1	0
02/04/13	647,045	15.3	814,223	0.795	49.7	2470	0	0	1	0
02/05/13	603,769	15.3	814,223	0.742	49.7	2470	0	0	1	0
02/06/13	582,564	21.1	814,223	0.715	43.9	1927	0	0	1	0
02/07/13	556,766	22.0	814,223	0.684	43.0	1849	0	0	1	0
02/08/13	525,703	21.3	814,223	0.646	43.7	1910	0	0	1	0
02/09/13	493,459	26.0	814,223	0.606	39.0	1521	0	0	1	0
02/10/13	485,604	30.8	814,223	0.596	34.2	1170	0	0	1	0
02/11/13	571,707	21.8	814,223	0.702	43.2	1866	0	0	1	0
02/12/13	484,926	26.5	814,223	0.596	38.5	1482	0	0	1	0
02/13/13	427,336	32.5	814,223	0.525	32.5	1056	0	0	1	0
02/14/13	554,503	19.2	814,223	0.681	45.8	2098	0	0	1	0
02/15/13	661,122	9.9	814,223	0.812	55.1	3036	0	0	1	0
02/16/13	631,804	12.5	814,223	0.776	52.5	2756	0	0	1	0
02/17/13	508,693	27.9	814,223	0.625	37.1	1376	0	0	1	0
02/18/13	674,176	14.9	814,223	0.828	50.1	2510	0	0	1	0
02/19/13	808,222	2.8	814,223	0.993	62.2	3869	0	0	1	0
02/20/13	706,152	12.0	814,223	0.867	53.0	2809	0	0	1	0
02/21/13	602,844	20.6	814,223	0.740	44.4	1971	0	0	1	0
02/22/13	524,048	24.0	814,223	0.644	41.0	1681	0	0	1	0
02/23/13	520,587	21.6	814,223	0.639	43.4	1884	0	0	1	0
02/24/13	476,977	28.3	814,223	0.586	36.7	1347	0	0	1	0
02/25/13	472,546	27.5	814,223	0.580	37.5	1406	0	0	1	0
02/26/13	464,870	32.3	814,223	0.571	32.7	1069	0	0	1	0
02/27/13	431,229	32.2	814,223	0.530	32.8	1076	0	0	1	0
02/28/13	515,657	26.9	814,223	0.633	38.1	1452	0	0	1	0
03/01/13	533,662	22.0	814,551	0.655	43.0	1849	0	0	0	1
03/02/13	484,756	23.6	814,551	0.595	41.4	1714	0	0	0	1
03/03/13	470,739	28.2	814,551	0.578	36.8	1354	0	0	0	1
03/04/13	535,288	25.5	814,551	0.657	39.5	1560	0	0	0	1
03/05/13	504,327	25.4	814,551	0.619	39.6	1568	0	0	0	1
03/06/13	545,786	20.0	814,551	0.670	45.0	2025	0	0	0	1
03/07/13	486,969	24.7	814,551	0.598	40.3	1624	0	0	0	1
03/08/13	387,185	35.0	814,551	0.475	30.0	900	0	0	0	1
03/09/13	393,953	36.1	814,551	0.484	28.9	835	0	0	0	1
03/10/13	482,549	31.7	814,551	0.592	33.3	1109	0	0	0	1
03/11/13	507,328	26.6	814,551	0.623	38.4	1475	0	0	0	1
03/12/13	539,477	23.2	814,551	0.662	41.8	1747	0	0	0	1
03/13/13	468,207	26.8	814,551	0.575	38.2	1459	0	0	0	1
03/14/13	371,041	33.8	814,551	0.456	31.2	973	0	0	0	1
03/15/13	471,024	28.1	814,551	0.578	36.9	1362	0	0	0	1
03/16/13	547,044	18.0	814,551	0.672	47.0	2209	0	0	0	1
03/17/13	523,983	25.8	814,551	0.643	39.2	1537	0	0	0	1
03/18/13	643,074	15.3	814,551	0.789	49.7	2470	0	0	0	1
03/19/13	658,246	13.4	814,551	0.808	51.6	2663	0	0	0	1
03/20/13	644,459	14.0	814,551	0.791	51.0	2601	0	0	0	1
03/21/13	545,252	21.0	814,551	0.669	44.0	1936	0	0	0	1
03/22/13	441,787	27.9	814,551	0.542	37.1	1376	0	0	0	1
03/23/13	411,784	32.1	814,551	0.506	32.9	1082	0	0	0	1
03/24/13	466,804	29.6	814,551	0.573	35.4	1253	0	0	0	1
03/25/13	407,250	32.2	814,551	0.500	32.8	1076	0	0	0	1
03/26/13	408,283	31.6	814,551	0.501	33.4	1116	0	0	0	1
03/27/13	366,039	34.3	814,551	0.449	30.7	942	0	0	0	1
03/28/13	329,700	37.1	814,551	0.405	27.9	778	0	0	0	1
03/29/13	280,746	42.8	814,551	0.345	22.2	493	0	0	0	1
03/30/13	278,436	42.6	814,551	0.342	22.4	502	0	0	0	1
03/31/13	435,064	29.8	814,551	0.534	35.2	1239	0	0	0	1
11/01/13	260,159	42.3	818,523	0.318	22.7	515	1	0	0	0

Date	Firm Throughput	Temperature	Firm Customer	UPC	HDD	HDDs^2	Nov	Dec	Feb	Mar
11/02/13	289,097	42.3	818,523	0.353	22.7	515	1	0	0	0
11/03/13	236,978	49.2	818,523	0.290	15.8	250	1	0	0	0
11/04/13	314,108	39.9	818,523	0.384	25.1	630	1	0	0	0
11/05/13	352,238	36.6	818,523	0.430	28.4	807	1	0	0	0
11/06/13	370,632	32.9	818,523	0.453	32.1	1030	1	0	0	0
11/07/13	422,025	29.7	818,523	0.516	35.3	1246	1	0	0	0
11/08/13	340,633	42.8	818,523	0.416	22.2	493	1	0	0	0
11/09/13	346,247	38.6	818,523	0.423	26.4	697	1	0	0	0
11/10/13	355,609	35.8	818,523	0.434	29.2	853	1	0	0	0
11/11/13	558,987	19.0	818,523	0.683	46.0	2116	1	0	0	0
11/12/13	519,267	24.8	818,523	0.634	40.2	1616	1	0	0	0
11/13/13	320,820	42.1	818,523	0.392	22.9	524	1	0	0	0
11/14/13	316,502	40.3	818,523	0.387	24.7	610	1	0	0	0
11/15/13	249,500	47.0	818,523	0.305	18.0	324	1	0	0	0
11/16/13	265,288	45.3	818,523	0.324	19.7	388	1	0	0	0
11/17/13	380,344	36.0	818,523	0.465	29.0	841	1	0	0	0
11/18/13	452,662	28.9	818,523	0.553	36.1	1303	1	0	0	0
11/19/13	343,053	43.2	818,523	0.419	21.8	475	1	0	0	0
11/20/13	332,804	38.8	818,523	0.407	26.2	686	1	0	0	0
11/21/13	509,198	25.3	818,523	0.622	39.7	1576	1	0	0	0
11/22/13	574,041	19.3	818,523	0.701	45.7	2088	1	0	0	0
11/23/13	663,634	12.7	818,523	0.811	52.3	2735	1	0	0	0
11/24/13	531,897	28.3	818,523	0.650	36.7	1347	1	0	0	0
11/25/13	461,092	31.8	818,523	0.563	33.2	1102	1	0	0	0
11/26/13	632,752	16.5	818,523	0.773	48.5	2352	1	0	0	0
11/27/13	565,510	22.4	818,523	0.691	42.6	1815	1	0	0	0
11/28/13	565,579	20.2	818,523	0.691	44.8	2007	1	0	0	0
11/29/13	505,603	28.4	818,523	0.618	36.6	1340	1	0	0	0
11/30/13	427,827	31.7	818,523	0.523	33.3	1109	1	0	0	0
12/01/13	451,675	30.5	820,313	0.551	34.5	1190	0	1	0	0
12/02/13	410,717	35.1	820,313	0.501	29.9	894	0	1	0	0
12/03/13	422,560	32.9	820,313	0.515	32.1	1030	0	1	0	0
12/04/13	569,447	19.6	820,313	0.694	45.4	2061	0	1	0	0
12/05/13	786,137	2.0	820,313	0.958	63.0	3969	0	1	0	0
12/06/13	865,403	(3.7)	820,313	1.055	68.7	4720	0	1	0	0
12/07/13	850,293	(0.4)	820,313	1.037	65.4	4277	0	1	0	0
12/08/13	745,786	8.3	820,313	0.909	56.7	3215	0	1	0	0
12/09/13	826,831	1.8	820,313	1.008	63.2	3994	0	1	0	0
12/10/13	804,486	3.2	820,313	0.981	61.8	3819	0	1	0	0
12/11/13	847,431	1.3	820,313	1.033	63.7	4058	0	1	0	0
12/12/13	658,704	16.3	820,313	0.803	48.7	2372	0	1	0	0
12/13/13	695,246	12.8	820,313	0.848	52.2	2725	0	1	0	0
12/14/13	747,492	5.8	820,313	0.911	59.2	3505	0	1	0	0
12/15/13	798,126	2.4	820,313	0.973	62.6	3919	0	1	0	0
12/16/13	669,197	20.2	820,313	0.816	44.8	2007	0	1	0	0
12/17/13	626,442	17.4	820,313	0.764	47.6	2266	0	1	0	0
12/18/13	525,856	27.1	820,313	0.641	37.9	1436	0	1	0	0
12/19/13	653,216	17.3	820,313	0.796	47.7	2275	0	1	0	0
12/20/13	615,169	18.4	820,313	0.750	46.6	2172	0	1	0	0
12/21/13	602,408	19.0	820,313	0.734	46.0	2116	0	1	0	0
12/22/13	718,679	9.0	820,313	0.876	56.0	3136	0	1	0	0
12/23/13	904,190	(4.4)	820,313	1.102	69.4	4816	0	1	0	0
12/24/13	770,114	9.3	820,313	0.939	55.7	3102	0	1	0	0
12/25/13	615,169	16.8	820,313	0.750	48.2	2323	0	1	0	0
12/26/13	571,937	21.7	820,313	0.697	43.3	1875	0	1	0	0
12/27/13	460,757	31.3	820,313	0.562	33.7	1136	0	1	0	0
12/28/13	516,400	24.5	820,313	0.630	40.5	1640	0	1	0	0
12/29/13	893,763	(7.0)	820,313	1.090	72.0	5184	0	1	0	0
12/30/13	903,236	(2.7)	820,313	1.101	67.7	4583	0	1	0	0
12/31/13	926,621	(5.0)	820,313	1.130	70.0	4900	0	1	0	0
01/01/14	892,852	(1.9)	821,220	1.087	66.9	4476	0	0	0	0
01/02/14	902,940	(2.7)	821,220	1.100	67.7	4583	0	0	0	0
01/03/14	674,191	22.5	821,220	0.821	42.5	1806	0	0	0	0
01/04/14	783,780	2.8	821,220	0.954	62.2	3869	0	0	0	0
01/05/14	1,045,732	(14.5)	821,220	1.273	79.5	6320	0	0	0	0

Date	Firm Throughput	Temperature	Firm Customer	UPC	HDD	HDDs^2	Nov	Dec	Feb	Mar
01/06/14	1,086,330	(13.8)	821,220	1.323	78.8	6209	0	0	0	0
01/07/14	909,815	(2.6)	821,220	1.108	67.6	4570	0	0	0	0
01/08/14	898,060	(1.4)	821,220	1.094	66.4	4409	0	0	0	0
01/09/14	695,186	17.4	821,220	0.847	47.6	2266	0	0	0	0
01/10/14	528,248	28.3	821,220	0.643	36.7	1347	0	0	0	0
01/11/14	520,417	27.3	821,220	0.634	37.7	1421	0	0	0	0
01/12/14	444,652	34.8	821,220	0.541	30.2	912	0	0	0	0
01/13/14	484,290	26.9	821,220	0.590	38.1	1452	0	0	0	0
01/14/14	687,622	10.8	821,220	0.837	54.2	2938	0	0	0	0
01/15/14	629,869	21.8	821,220	0.767	43.2	1866	0	0	0	0
01/16/14	755,215	9.0	821,220	0.920	56.0	3136	0	0	0	0
01/17/14	710,491	9.9	821,220	0.865	55.1	3036	0	0	0	0
01/18/14	593,127	20.3	821,220	0.722	44.7	1998	0	0	0	0
01/19/14	458,959	31.6	821,220	0.559	33.4	1116	0	0	0	0
01/20/14	807,551	0.9	821,220	0.983	64.1	4109	0	0	0	0
01/21/14	859,867	1.5	821,220	1.047	63.5	4032	0	0	0	0
01/22/14	939,132	(5.8)	821,220	1.144	70.8	5013	0	0	0	0
01/23/14	903,346	1.7	821,220	1.100	63.3	4007	0	0	0	0
01/24/14	623,215	21.9	821,220	0.759	43.1	1858	0	0	0	0
01/25/14	740,592	6.3	821,220	0.902	58.7	3446	0	0	0	0
01/26/14	896,955	(1.8)	821,220	1.092	66.8	4462	0	0	0	0
01/27/14	1,013,460	(11.3)	821,220	1.234	76.3	5822	0	0	0	0
01/28/14	934,603	(3.5)	821,220	1.138	68.5	4692	0	0	0	0
01/29/14	622,124	23.8	821,220	0.758	41.2	1697	0	0	0	0
01/30/14	765,957	3.2	821,220	0.933	61.8	3819	0	0	0	0
01/31/14	767,161	4.3	821,220	0.934	60.7	3684	0	0	0	0
02/01/14	742,210	6.2	821,951	0.903	58.8	3457	0	0	1	0
02/02/14	767,201	4.6	821,951	0.933	60.4	3648	0	0	1	0
02/03/14	747,100	7.8	821,951	0.909	57.2	3272	0	0	1	0
02/04/14	813,285	3.5	821,951	0.989	61.5	3782	0	0	1	0
02/05/14	903,288	(2.6)	821,951	1.099	67.6	4570	0	0	1	0
02/06/14	875,965	(0.8)	821,951	1.066	65.8	4330	0	0	1	0
02/07/14	802,105	5.0	821,951	0.976	60.0	3600	0	0	1	0
02/08/14	762,332	7.4	821,951	0.927	57.6	3318	0	0	1	0
02/09/14	863,250	(2.7)	821,951	1.050	67.7	4583	0	0	1	0
02/10/14	878,879	(2.0)	821,951	1.069	67.0	4489	0	0	1	0
02/11/14	747,125	11.3	821,951	0.909	53.7	2884	0	0	1	0
02/12/14	599,842	20.4	821,951	0.730	44.6	1989	0	0	1	0
02/13/14	713,019	10.6	821,951	0.867	54.4	2959	0	0	1	0
02/14/14	726,273	7.5	821,951	0.884	57.5	3306	0	0	1	0
02/15/14	680,208	14.8	821,951	0.828	50.2	2520	0	0	1	0
02/16/14	621,395	19.0	821,951	0.756	46.0	2116	0	0	1	0
02/17/14	552,739	22.9	821,951	0.672	42.1	1772	0	0	1	0
02/18/14	438,311	31.5	821,951	0.533	33.5	1122	0	0	1	0
02/19/14	407,689	34.4	821,951	0.496	30.6	936	0	0	1	0
02/20/14	551,513	21.8	821,951	0.671	43.2	1866	0	0	1	0
02/21/14	682,078	11.0	821,951	0.830	54.0	2916	0	0	1	0
02/22/14	691,246	8.6	821,951	0.841	56.4	3181	0	0	1	0
02/23/14	716,126	8.3	821,951	0.871	56.7	3215	0	0	1	0
02/24/14	763,209	5.0	821,951	0.929	60.0	3600	0	0	1	0
02/25/14	861,631	(2.4)	821,951	1.048	67.4	4543	0	0	1	0
02/26/14	857,478	(3.2)	821,951	1.043	68.2	4651	0	0	1	0
02/27/14	883,960	(5.0)	821,951	1.075	70.0	4900	0	0	1	0
02/28/14	797,741	6.5	821,951	0.971	58.5	3422	0	0	1	0
03/01/14	931,911	(6.3)	822,177	1.133	71.3	5084	0	0	0	1
03/02/14	893,144	(3.8)	822,177	1.086	68.8	4733	0	0	0	1
03/03/14	793,372	6.7	822,177	0.965	58.3	3399	0	0	0	1
03/04/14	654,645	16.0	822,177	0.796	49.0	2401	0	0	0	1
03/05/14	598,914	18.0	822,177	0.728	47.0	2209	0	0	0	1
03/06/14	564,977	24.3	822,177	0.687	40.7	1656	0	0	0	1
03/07/14	540,896	25.2	822,177	0.658	39.8	1584	0	0	0	1
03/08/14	500,163	22.9	822,177	0.608	42.1	1772	0	0	0	1
03/09/14	393,788	38.0	822,177	0.479	27.0	729	0	0	0	1
03/10/14	291,729	44.0	822,177	0.355	21.0	441	0	0	0	1
03/11/14	431,105	32.3	822,177	0.524	32.7	1069	0	0	0	1

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03/12/14	483,403	24.8	822,177	0.588	40.2	1616	0	0	0	1
03/13/14	307,016	42.7	822,177	0.373	22.3	497	0	0	0	1
03/14/14	418,521	31.3	822,177	0.509	33.7	1136	0	0	0	1
03/15/14	526,833	22.5	822,177	0.641	42.5	1806	0	0	0	1
03/16/14	531,181	22.6	822,177	0.646	42.4	1798	0	0	0	1
03/17/14	450,154	31.5	822,177	0.548	33.5	1122	0	0	0	1
03/18/14	454,709	30.7	822,177	0.553	34.3	1176	0	0	0	1
03/19/14	463,131	29.8	822,177	0.563	35.2	1239	0	0	0	1
03/20/14	351,375	35.7	822,177	0.427	29.3	858	0	0	0	1
03/21/14	495,618	27.0	822,177	0.603	38.0	1444	0	0	0	1
03/22/14	621,205	15.1	822,177	0.756	49.9	2490	0	0	0	1
03/23/14	577,846	21.0	822,177	0.703	44.0	1936	0	0	0	1
03/24/14	573,786	21.6	822,177	0.698	43.4	1884	0	0	0	1
03/25/14	602,373	18.6	822,177	0.733	46.4	2153	0	0	0	1
03/26/14	414,848	36.9	822,177	0.505	28.1	790	0	0	0	1
03/27/14	439,292	32.6	822,177	0.534	32.4	1050	0	0	0	1
03/28/14	429,334	30.5	822,177	0.522	34.5	1190	0	0	0	1
03/29/14	334,433	38.4	822,177	0.407	26.6	708	0	0	0	1
03/30/14	225,216	50.6	822,177	0.274	14.4	207	0	0	0	1
03/31/14	327,421	39.3	822,177	0.398	25.7	660	0	0	0	1
11/01/14	367,563	36.5	827,395	0.444	28.5	812	1	0	0	0
11/02/14	231,159	47.9	827,395	0.279	17.1	292	1	0	0	0
11/03/14	233,899	47.7	827,395	0.283	17.3	299	1	0	0	0
11/04/14	268,421	41.9	827,395	0.324	23.1	534	1	0	0	0
11/05/14	326,320	36.8	827,395	0.394	28.2	795	1	0	0	0
11/06/14	340,678	35.8	827,395	0.412	29.2	853	1	0	0	0
11/07/14	335,309	40.5	827,395	0.405	24.5	600	1	0	0	0
11/08/14	322,365	38.5	827,395	0.390	26.5	702	1	0	0	0
11/09/14	393,884	32.0	827,395	0.476	33.0	1089	1	0	0	0
11/10/14	508,087	26.0	827,395	0.614	39.0	1521	1	0	0	0
11/11/14	553,993	20.3	827,395	0.670	44.7	1998	1	0	0	0
11/12/14	560,707	21.0	827,395	0.678	44.0	1936	1	0	0	0
11/13/14	585,474	17.2	827,395	0.708	47.8	2285	1	0	0	0
11/14/14	613,431	13.3	827,395	0.741	51.7	2673	1	0	0	0
11/15/14	585,907	18.0	827,395	0.708	47.0	2209	1	0	0	0
11/16/14	659,920	10.8	827,395	0.798	54.2	2938	1	0	0	0
11/17/14	714,806	10.5	827,395	0.864	54.5	2970	1	0	0	0
11/18/14	644,371	16.5	827,395	0.779	48.5	2352	1	0	0	0
11/19/14	626,852	17.6	827,395	0.758	47.4	2247	1	0	0	0
11/20/14	681,400	10.6	827,395	0.824	54.4	2959	1	0	0	0
11/21/14	517,790	30.3	827,395	0.626	34.7	1204	1	0	0	0
11/22/14	372,244	40.0	827,395	0.450	25.0	625	1	0	0	0
11/23/14	384,723	35.6	827,395	0.465	29.4	864	1	0	0	0
11/24/14	651,368	15.9	827,395	0.787	49.1	2411	1	0	0	0
11/25/14	573,152	22.3	827,395	0.693	42.7	1823	1	0	0	0
11/26/14	632,391	14.1	827,395	0.764	50.9	2591	1	0	0	0
11/27/14	691,455	7.9	827,395	0.836	57.1	3260	1	0	0	0
11/28/14	576,838	21.9	827,395	0.697	43.1	1858	1	0	0	0
11/29/14	495,652	24.8	827,395	0.599	40.2	1616	1	0	0	0
11/30/14	759,517	6.8	827,395	0.918	58.2	3387	1	0	0	0
12/01/14	790,337	6.0	829,243	0.953	59.0	3481	0	1	0	0
12/02/14	667,030	17.8	829,243	0.804	47.2	2228	0	1	0	0
12/03/14	624,334	17.8	829,243	0.753	47.2	2228	0	1	0	0
12/04/14	499,938	29.0	829,243	0.603	36.0	1296	0	1	0	0
12/05/14	498,939	26.8	829,243	0.602	38.2	1459	0	1	0	0
12/06/14	500,326	26.3	829,243	0.603	38.7	1498	0	1	0	0
12/07/14	458,325	33.6	829,243	0.553	31.4	986	0	1	0	0
12/08/14	557,999	23.2	829,243	0.673	41.8	1747	0	1	0	0
12/09/14	577,744	21.3	829,243	0.697	43.7	1910	0	1	0	0
12/10/14	518,127	26.9	829,243	0.625	38.1	1452	0	1	0	0
12/11/14	467,898	31.1	829,243	0.564	33.9	1149	0	1	0	0
12/12/14	400,232	35.9	829,243	0.483	29.1	847	0	1	0	0
12/13/14	284,196	45.8	829,243	0.343	19.2	369	0	1	0	0
12/14/14	258,361	48.3	829,243	0.312	16.7	279	0	1	0	0
12/15/14	405,457	33.9	829,243	0.489	31.1	967	0	1	0	0

Date	Firm Throughput	Temperature	Firm Customer	UPC	HDD	HDDs^2	Nov	Dec	Feb	Mar
12/16/14	638,372	16.4	829,243	0.770	48.6	2362	0	1	0	0
12/17/14	652,468	15.5	829,243	0.787	49.5	2450	0	1	0	0
12/18/14	596,151	20.5	829,243	0.719	44.5	1980	0	1	0	0
12/19/14	501,724	28.4	829,243	0.605	36.6	1340	0	1	0	0
12/20/14	459,592	31.6	829,243	0.554	33.4	1116	0	1	0	0
12/21/14	410,299	36.5	829,243	0.495	28.5	812	0	1	0	0
12/22/14	406,959	35.3	829,243	0.491	29.7	882	0	1	0	0
12/23/14	412,973	34.9	829,243	0.498	30.1	906	0	1	0	0
12/24/14	412,651	32.5	829,243	0.498	32.5	1056	0	1	0	0
12/25/14	414,740	32.7	829,243	0.500	32.3	1043	0	1	0	0
12/26/14	481,652	28.3	829,243	0.581	36.7	1347	0	1	0	0
12/27/14	590,972	15.2	829,243	0.713	49.8	2480	0	1	0	0
12/28/14	663,340	12.7	829,243	0.800	52.3	2735	0	1	0	0
12/29/14	854,543	0.7	829,243	1.031	64.3	4134	0	1	0	0
12/30/14	940,053	(2.4)	829,243	1.134	67.4	4543	0	1	0	0
12/31/14	776,560	11.7	829,243	0.936	53.3	2841	0	1	0	0
01/01/15	618,564	18.6	821,220	0.753	46.4	2153	0	0	0	0
01/02/15	586,734	24.1	830,376	0.707	40.9	1673	0	0	0	0
01/03/15	663,484	15.6	830,376	0.799	49.4	2440	0	0	0	0
01/04/15	950,644	(5.9)	830,376	1.145	70.9	5027	0	0	0	0
01/05/15	944,214	(2.8)	830,376	1.137	67.8	4597	0	0	0	0
01/06/15	939,937	(0.4)	830,376	1.132	65.4	4277	0	0	0	0
01/07/15	949,471	(2.4)	830,376	1.143	67.4	4543	0	0	0	0
01/08/15	879,746	5.1	830,376	1.059	59.9	3588	0	0	0	0
01/09/15	876,851	0.7	830,376	1.056	64.3	4134	0	0	0	0
01/10/15	772,023	9.8	830,376	0.930	55.2	3047	0	0	0	0
01/11/15	783,629	6.7	830,376	0.944	58.3	3399	0	0	0	0
01/12/15	911,739	(2.5)	830,376	1.098	67.5	4556	0	0	0	0
01/13/15	756,958	13.4	830,376	0.912	51.6	2663	0	0	0	0
01/14/15	590,481	22.5	830,376	0.711	42.5	1806	0	0	0	0
01/15/15	507,661	29.2	830,376	0.611	35.8	1282	0	0	0	0
01/16/15	514,955	28.1	830,376	0.620	36.9	1362	0	0	0	0
01/17/15	466,621	32.9	830,376	0.562	32.1	1030	0	0	0	0
01/18/15	454,265	30.5	830,376	0.547	34.5	1190	0	0	0	0
01/19/15	441,767	32.4	830,376	0.532	32.6	1063	0	0	0	0
01/20/15	491,225	29.0	830,376	0.592	36.0	1296	0	0	0	0
01/21/15	525,076	26.6	830,376	0.632	38.4	1475	0	0	0	0
01/22/15	541,206	26.7	830,376	0.652	38.3	1467	0	0	0	0
01/23/15	427,079	32.6	830,376	0.514	32.4	1050	0	0	0	0
01/24/15	402,152	33.5	830,376	0.484	31.5	992	0	0	0	0
01/25/15	521,749	24.6	830,376	0.628	40.4	1632	0	0	0	0
01/26/15	395,529	37.1	830,376	0.476	27.9	778	0	0	0	0
01/27/15	456,665	30.9	830,376	0.550	34.1	1163	0	0	0	0
01/28/15	485,348	30.6	830,376	0.584	34.4	1183	0	0	0	0
01/29/15	611,743	19.9	830,376	0.737	45.1	2034	0	0	0	0
01/30/15	560,072	23.0	830,376	0.674	42.0	1764	0	0	0	0
01/31/15	593,192	22.4	830,376	0.714	42.6	1815	0	0	0	0
02/01/15	762,696	8.6	831,145	0.918	56.4	3181	0	0	1	0
02/02/15	749,680	9.5	831,145	0.902	55.5	3080	0	0	1	0
02/03/15	702,139	13.5	831,145	0.845	51.5	2652	0	0	1	0
02/04/15	795,294	3.7	831,145	0.957	61.3	3758	0	0	1	0
02/05/15	701,447	14.8	831,145	0.844	50.2	2520	0	0	1	0
02/06/15	531,220	23.8	831,145	0.639	41.2	1697	0	0	1	0
02/07/15	456,349	30.8	831,145	0.549	34.2	1170	0	0	1	0
02/08/15	537,857	25.2	831,145	0.647	39.8	1584	0	0	1	0
02/09/15	500,250	25.6	831,145	0.602	39.4	1552	0	0	1	0
02/10/15	581,851	24.5	831,145	0.700	40.5	1640	0	0	1	0
02/11/15	772,821	6.5	831,145	0.930	58.5	3422	0	0	1	0
02/12/15	768,543	8.4	831,145	0.925	56.6	3204	0	0	1	0
02/13/15	691,486	14.8	831,145	0.832	50.2	2520	0	0	1	0
02/14/15	840,306	1.3	831,145	1.011	63.7	4058	0	0	1	0
02/15/15	807,592	7.5	831,145	0.972	57.5	3306	0	0	1	0
02/16/15	747,739	11.0	831,145	0.900	54.0	2916	0	0	1	0
02/17/15	872,945	0.8	831,145	1.050	64.2	4122	0	0	1	0
02/18/15	959,990	(4.5)	831,145	1.155	69.5	4830	0	0	1	0

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02/19/15	800,579	5.5	831,145	0.963	59.5	3540	0	0	1	0
02/20/15	638,483	20.8	831,145	0.768	44.2	1954	0	0	1	0
02/21/15	763,072	5.8	831,145	0.918	59.2	3505	0	0	1	0
02/22/15	945,749	(6.0)	831,145	1.138	71.0	5041	0	0	1	0
02/23/15	708,701	20.0	831,145	0.853	45.0	2025	0	0	1	0
02/24/15	620,386	18.7	831,145	0.746	46.3	2144	0	0	1	0
02/25/15	783,255	7.1	831,145	0.942	57.9	3352	0	0	1	0
02/26/15	830,745	2.8	831,145	1.000	62.2	3869	0	0	1	0
02/27/15	774,493	6.7	831,145	0.932	58.3	3399	0	0	1	0
02/28/15	685,372	15.5	831,145	0.825	49.5	2450	0	0	1	0
03/01/15	627,674	19.5	831,261	0.755	45.5	2070	0	0	0	1
03/02/15	570,691	22.1	831,261	0.687	42.9	1840	0	0	0	1
03/03/15	691,313	12.7	831,261	0.832	52.3	2735	0	0	0	1
03/04/15	842,930	1.8	831,261	1.014	63.2	3994	0	0	0	1
03/05/15	725,944	10.7	831,261	0.873	54.3	2948	0	0	0	1
03/06/15	470,830	31.8	831,261	0.566	33.2	1102	0	0	0	1
03/07/15	381,236	35.9	831,261	0.459	29.1	847	0	0	0	1
03/08/15	355,291	39.5	831,261	0.427	25.5	650	0	0	0	1
03/09/15	298,854	46.8	831,261	0.360	18.2	331	0	0	0	1
03/10/15	262,695	46.4	831,261	0.316	18.6	346	0	0	0	1
03/11/15	252,506	46.0	831,261	0.304	19.0	361	0	0	0	1
03/12/15	212,362	53.5	831,261	0.255	11.5	132	0	0	0	1
03/13/15	231,551	46.7	831,261	0.279	18.3	335	0	0	0	1
03/14/15	219,062	50.3	831,261	0.264	14.7	216	0	0	0	1
03/15/15	173,085	58.2	831,261	0.208	6.8	46	0	0	0	1
03/16/15	291,740	42.7	831,261	0.351	22.3	497	0	0	0	1
03/17/15	355,797	37.0	831,261	0.428	28.0	784	0	0	0	1
03/18/15	354,330	40.0	831,261	0.426	25.0	625	0	0	0	1
03/19/15	312,948	42.3	831,261	0.376	22.7	515	0	0	0	1
03/20/15	300,948	41.1	831,261	0.362	23.9	571	0	0	0	1
03/21/15	395,428	33.2	831,261	0.476	31.8	1011	0	0	0	1
03/22/15	457,962	31.0	831,261	0.551	34.0	1156	0	0	0	1
03/23/15	451,317	28.5	831,261	0.543	36.5	1332	0	0	0	1
03/24/15	419,337	33.0	831,261	0.504	32.0	1024	0	0	0	1
03/25/15	459,571	33.5	831,261	0.553	31.5	992	0	0	0	1
03/26/15	489,174	28.1	831,261	0.588	36.9	1362	0	0	0	1
03/27/15	436,770	27.8	831,261	0.525	37.2	1384	0	0	0	1
03/28/15	359,926	36.7	831,261	0.433	28.3	801	0	0	0	1
03/29/15	321,955	44.0	831,261	0.387	21.0	441	0	0	0	1
03/30/15	270,307	44.5	831,261	0.325	20.5	420	0	0	0	1
03/31/15	180,486	54.0	831,261	0.217	11.0	121	0	0	0	1
11/01/15	186,784	50.7	835,774	0.223	14.3	204	1	0	0	0
11/02/15	138,970	56.5	835,774	0.166	8.5	72	1	0	0	0
11/03/15	109,063	57.6	835,774	0.130	7.4	55	1	0	0	0
11/04/15	115,379	60.4	835,774	0.138	4.6	21	1	0	0	0
11/05/15	183,702	48.6	835,774	0.220	16.4	269	1	0	0	0
11/06/15	276,913	40.7	835,774	0.331	24.3	590	1	0	0	0
11/07/15	259,975	44.8	835,774	0.311	20.2	408	1	0	0	0
11/08/15	203,064	51.0	835,774	0.243	14.0	196	1	0	0	0
11/09/15	184,526	49.3	835,774	0.221	15.7	246	1	0	0	0
11/10/15	182,491	50.5	835,774	0.218	14.5	210	1	0	0	0
11/11/15	241,315	46.1	835,774	0.289	18.9	357	1	0	0	0
11/12/15	350,921	37.4	835,774	0.420	27.6	762	1	0	0	0
11/13/15	325,752	37.6	835,774	0.390	27.4	751	1	0	0	0
11/14/15	239,847	47.4	835,774	0.287	17.6	310	1	0	0	0
11/15/15	173,240	53.7	835,774	0.207	11.3	128	1	0	0	0
11/16/15	219,808	48.8	835,774	0.263	16.2	262	1	0	0	0
11/17/15	182,261	53.7	835,774	0.218	11.3	128	1	0	0	0
11/18/15	299,903	40.3	835,774	0.359	24.7	610	1	0	0	0
11/19/15	483,830	30.3	835,774	0.579	34.7	1204	1	0	0	0
11/20/15	508,067	24.5	835,774	0.608	40.5	1640	1	0	0	0
11/21/15	512,731	22.3	835,774	0.613	42.7	1823	1	0	0	0
11/22/15	460,295	28.6	835,774	0.551	36.4	1325	1	0	0	0
11/23/15	376,597	35.5	835,774	0.451	29.5	870	1	0	0	0
11/24/15	349,079	39.3	835,774	0.418	25.7	660	1	0	0	0

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11/25/15	312,036	41.6	835,774	0.373	23.4	548	1	0	0	0
11/26/15	479,519	25.6	835,774	0.574	39.4	1552	1	0	0	0
11/27/15	552,812	20.1	835,774	0.661	44.9	2016	1	0	0	0
11/28/15	508,314	24.0	835,774	0.608	41.0	1681	1	0	0	0
11/29/15	451,483	30.7	835,774	0.540	34.3	1176	1	0	0	0
11/30/15	437,944	33.0	835,774	0.524	32.0	1024	1	0	0	0
12/01/15	442,535	29.5	837,760	0.528	35.5	1260	0	1	0	0
12/02/15	447,920	30.4	837,760	0.535	34.6	1197	0	1	0	0
12/03/15	472,297	28.2	837,760	0.564	36.8	1354	0	1	0	0
12/04/15	368,165	39.1	837,760	0.439	25.9	671	0	1	0	0
12/05/15	328,862	41.1	837,760	0.393	23.9	571	0	1	0	0
12/06/15	403,379	33.8	837,760	0.481	31.2	973	0	1	0	0
12/07/15	374,391	37.3	837,760	0.447	27.7	767	0	1	0	0
12/08/15	381,841	36.8	837,760	0.456	28.2	795	0	1	0	0
12/09/15	327,136	42.7	837,760	0.390	22.3	497	0	1	0	0
12/10/15	334,222	41.0	837,760	0.399	24.0	576	0	1	0	0
12/11/15	363,681	36.8	837,760	0.434	28.2	795	0	1	0	0
12/12/15	343,595	39.6	837,760	0.410	25.4	645	0	1	0	0
12/13/15	368,992	38.5	837,760	0.440	26.5	702	0	1	0	0
12/14/15	437,799	33.2	837,760	0.523	31.8	1011	0	1	0	0
12/15/15	436,476	34.2	837,760	0.521	30.8	949	0	1	0	0
12/16/15	488,553	29.6	837,760	0.583	35.4	1253	0	1	0	0
12/17/15	603,595	20.8	837,760	0.720	44.2	1954	0	1	0	0
12/18/15	698,006	13.1	837,760	0.833	51.9	2694	0	1	0	0
12/19/15	566,103	25.3	837,760	0.676	39.7	1576	0	1	0	0
12/20/15	434,205	34.4	837,760	0.518	30.6	936	0	1	0	0
12/21/15	458,336	31.3	837,760	0.547	33.7	1136	0	1	0	0
12/22/15	447,446	33.7	837,760	0.534	31.3	980	0	1	0	0
12/23/15	471,586	29.4	837,760	0.563	35.6	1267	0	1	0	0
12/24/15	512,214	25.7	837,760	0.611	39.3	1544	0	1	0	0
12/25/15	475,231	28.4	837,760	0.567	36.6	1340	0	1	0	0
12/26/15	508,144	27.1	837,760	0.607	37.9	1436	0	1	0	0
12/27/15	640,955	15.6	837,760	0.765	49.4	2440	0	1	0	0
12/28/15	638,266	21.7	837,760	0.762	43.3	1875	0	1	0	0
12/29/15	564,844	22.7	837,760	0.674	42.3	1789	0	1	0	0
12/30/15	595,136	18.7	837,760	0.710	46.3	2144	0	1	0	0
12/31/15	642,391	16.6	837,760	0.767	48.4	2343	0	1	0	0
01/01/16	572,008	21.3	839,290	0.682	43.7	1910	0	0	0	0
01/02/16	523,491	26.5	839,290	0.624	38.5	1482	0	0	0	0
01/03/16	576,480	21.3	839,290	0.687	43.7	1910	0	0	0	0
01/04/16	599,468	20.9	839,290	0.714	44.1	1945	0	0	0	0
01/05/16	528,614	26.4	839,290	0.630	38.6	1490	0	0	0	0
01/06/16	476,750	30.8	839,290	0.568	34.2	1170	0	0	0	0
01/07/16	444,228	32.6	839,290	0.529	32.4	1050	0	0	0	0
01/08/16	546,913	22.8	839,290	0.652	42.2	1781	0	0	0	0
01/09/16	871,416	(2.3)	839,290	1.038	67.3	4529	0	0	0	0
01/10/16	921,350	(5.3)	839,290	1.098	70.3	4942	0	0	0	0
01/11/16	873,927	0.9	839,290	1.041	64.1	4109	0	0	0	0
01/12/16	888,242	(1.4)	839,290	1.058	66.4	4409	0	0	0	0
01/13/16	670,113	17.6	839,290	0.798	47.4	2247	0	0	0	0
01/14/16	586,633	23.5	839,290	0.699	41.5	1722	0	0	0	0
01/15/16	707,301	12.6	839,290	0.843	52.4	2746	0	0	0	0
01/16/16	955,546	(6.7)	839,290	1.139	71.7	5141	0	0	0	0
01/17/16	994,146	(8.2)	839,290	1.185	73.2	5358	0	0	0	0
01/18/16	958,427	(2.8)	839,290	1.142	67.8	4597	0	0	0	0
01/19/16	824,586	7.2	839,290	0.982	57.8	3341	0	0	0	0
01/20/16	647,507	20.3	839,290	0.771	44.7	1998	0	0	0	0
01/21/16	620,688	20.9	839,290	0.740	44.1	1945	0	0	0	0
01/22/16	617,111	20.6	839,290	0.735	44.4	1971	0	0	0	0
01/23/16	593,340	22.8	839,290	0.707	42.2	1781	0	0	0	0
01/24/16	508,263	28.5	839,290	0.606	36.5	1332	0	0	0	0
01/25/16	535,877	26.9	839,290	0.638	38.1	1452	0	0	0	0
01/26/16	595,250	22.1	839,290	0.709	42.9	1840	0	0	0	0
01/27/16	485,934	36.0	839,290	0.579	29.0	841	0	0	0	0
01/28/16	547,422	24.7	839,290	0.652	40.3	1624	0	0	0	0

Date	Firm Throughput	Temperature	Firm Customer	UPC	HDD	HDDs^2	Nov	Dec	Feb	Mar
01/29/16	481,943	31.0	839,290	0.574	34.0	1156	0	0	0	0
01/30/16	408,721	36.7	839,290	0.487	28.3	801	0	0	0	0
01/31/16	435,251	31.9	839,290	0.519	33.1	1096	0	0	0	0
02/01/16	490,305	29.7	839,679	0.584	35.3	1246	0	0	1	0
02/02/16	579,907	24.7	839,679	0.691	40.3	1624	0	0	1	0
02/03/16	630,886	15.3	839,679	0.751	49.7	2470	0	0	1	0
02/04/16	653,631	16.4	839,679	0.778	48.6	2362	0	0	1	0
02/05/16	571,112	24.8	839,679	0.680	40.2	1616	0	0	1	0
02/06/16	453,128	34.3	839,679	0.540	30.7	942	0	0	1	0
02/07/16	563,434	24.3	839,679	0.671	40.7	1656	0	0	1	0
02/08/16	754,508	11.9	839,679	0.899	53.1	2820	0	0	1	0
02/09/16	758,905	9.7	839,679	0.904	55.3	3058	0	0	1	0
02/10/16	776,442	8.5	839,679	0.925	56.5	3192	0	0	1	0
02/11/16	719,315	13.0	839,679	0.857	52.0	2704	0	0	1	0
02/12/16	834,719	2.5	839,679	0.994	62.5	3906	0	0	1	0
02/13/16	763,627	7.8	839,679	0.909	57.2	3272	0	0	1	0
02/14/16	672,416	18.0	839,679	0.801	47.0	2209	0	0	1	0
02/15/16	486,405	30.3	839,679	0.579	34.7	1204	0	0	1	0
02/16/16	541,235	24.4	839,679	0.645	40.6	1648	0	0	1	0
02/17/16	538,297	26.9	839,679	0.641	38.1	1452	0	0	1	0
02/18/16	435,593	37.4	839,679	0.519	27.6	762	0	0	1	0
02/19/16	382,817	40.3	839,679	0.456	24.7	610	0	0	1	0
02/20/16	427,988	33.4	839,679	0.510	31.6	999	0	0	1	0
02/21/16	460,019	31.7	839,679	0.548	33.3	1109	0	0	1	0
02/22/16	444,186	33.0	839,679	0.529	32.0	1024	0	0	1	0
02/23/16	433,803	35.7	839,679	0.517	29.3	858	0	0	1	0
02/24/16	456,317	32.7	839,679	0.543	32.3	1043	0	0	1	0
02/25/16	487,889	28.7	839,679	0.581	36.3	1318	0	0	1	0
02/26/16	383,094	36.2	839,679	0.456	28.8	829	0	0	1	0
02/27/16	261,306	47.0	839,679	0.311	18.0	324	0	0	1	0
02/28/16	469,162	32.8	839,679	0.559	32.2	1037	0	0	1	0
02/29/16	571,942	20.6	839,679	0.681	44.4	1971	0	0	1	0
03/01/16	604,214	18.7	839,821	0.719	46.3	2144	0	0	0	1
03/02/16	503,024	26.4	839,821	0.599	38.6	1490	0	0	0	1
03/03/16	473,071	30.9	839,821	0.563	34.1	1163	0	0	0	1
03/04/16	462,937	33.1	839,821	0.551	31.9	1018	0	0	0	1
03/05/16	421,111	33.2	839,821	0.501	31.8	1011	0	0	0	1
03/06/16	263,251	48.0	839,821	0.313	17.0	289	0	0	0	1
03/07/16	162,870	58.2	839,821	0.194	6.8	46	0	0	0	1
03/08/16	209,168	49.3	839,821	0.249	15.7	246	0	0	0	1
03/09/16	366,032	37.5	839,821	0.436	27.5	756	0	0	0	1
03/10/16	351,183	39.2	839,821	0.418	25.8	666	0	0	0	1
03/11/16	184,191	55.8	839,821	0.219	9.2	85	0	0	0	1
03/12/16	138,386	56.8	839,821	0.165	8.2	67	0	0	0	1
03/13/16	211,457	51.4	839,821	0.252	13.6	185	0	0	0	1
03/14/16	176,403	53.6	839,821	0.210	11.4	130	0	0	0	1
03/15/16	240,550	48.1	839,821	0.286	16.9	286	0	0	0	1
03/16/16	343,811	41.0	839,821	0.409	24.0	576	0	0	0	1
03/17/16	395,690	36.0	839,821	0.471	29.0	841	0	0	0	1
03/18/16	437,428	32.0	839,821	0.521	33.0	1089	0	0	0	1
03/19/16	416,289	33.7	839,821	0.496	31.3	980	0	0	0	1
03/20/16	386,858	35.3	839,821	0.461	29.7	882	0	0	0	1
03/21/16	302,660	44.3	839,821	0.360	20.7	428	0	0	0	1
03/22/16	305,767	41.8	839,821	0.364	23.2	538	0	0	0	1
03/23/16	468,691	30.7	839,821	0.558	34.3	1176	0	0	0	1
03/24/16	366,263	36.2	839,821	0.436	28.8	829	0	0	0	1
03/25/16	305,318	42.4	839,821	0.364	22.6	511	0	0	0	1
03/26/16	295,649	44.3	839,821	0.352	20.7	428	0	0	0	1
03/27/16	371,481	36.2	839,821	0.442	28.8	829	0	0	0	1
03/28/16	235,553	48.1	839,821	0.280	16.9	286	0	0	0	1
03/29/16	196,464	52.5	839,821	0.234	12.5	156	0	0	0	1
03/30/16	281,201	44.3	839,821	0.335	20.7	428	0	0	0	1
03/31/16	288,851	42.5	839,821	0.344	22.5	506	0	0	0	1

EXHIBIT D

July 1, 2016

Re: CenterPoint Energy's Request for Change in Demand Units

PLEASE TAKE NOTICE that on July 1, 2016, CenterPoint Energy filed its request for Change in Demand Units to be effective November 1, 2016 with the Minnesota Public Utilities Commission (MPUC). True and correct copies will be on file at the Commission offices (Metro Square, Suite 350, 121 7th Place East, St. Paul, Minnesota, 55101-2147) during regular business hours or from CenterPoint Energy by contacting Kevin Marquardt.

This Notice is required per Minnesota Rule part 7825.2910, Subpart 3. Service list consists of interveners in the Company's previous two general rate cases.

If you have any questions, please contact Kevin Marquardt at (612) 321-4677.

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