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PUBLIC DOCUMENT

Trade Secret Information has been Excised

September 1, 2020

Mr. Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

**RE: Annual Automatic Adjustment Report - CenterPoint Energy Resources Corp. d/b/a
CenterPoint Energy Minnesota Gas
Docket No. G999/AA-20-172**

Report

Dear Mr. Seuffert:

CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Minnesota Gas ("CenterPoint Energy" or the "Company") hereby submits its Annual Automatic Adjustment Report for the year beginning July 1, 2019 and ending June 30, 2020 pursuant to the Minnesota Public Utilities Commission ("Commission") Rules governing the automatic adjustment of charges, parts 7825.2390 through 7825.2920 and by the miscellaneous tariff filing requirements in section 7829.1300. This filing fulfills the reporting requirements outlined in Minnesota Rules 7825.2800 to 7825.2840.

CenterPoint Energy has designated information in Exhibits 6, 7, 9, and 11 of its 2020 Annual Automatic Adjustment Report as trade secret. The identified trade secret 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 proceeding; and (3) the protected information contains gas supply bidding and contracting information, including the identities of bidders and prices, 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. Exhibit 9 has been identified as containing trade secret information to protect our customers names and addresses. In other words, CenterPoint Energy (and thus its customers, since gas costs are passed through to them) obtains economic value in the form of better, more competitive bids by protecting this information from disclosure to others.

If you have any questions regarding the information provided in this filing, please contact me at (612) 321-4677 or Donald.Wynia@CenterPointEnergy.com.

Sincerely,

/s/

Donald Wynia
Regulatory Analyst

Table of Contents

1. INTRODUCTION
2. COMPLIANCE WITH MISCELLANEOUS TARIFF AND PRICE LIST FILINGS
3. OFFICIAL SERVICE LIST REQUEST
4. COMPLIANCE WITH ANNUAL GAS PROCUREMENT REPORTING RULE
5. COMPLIANCE WITH AUTOMATIC ADJUSTMENT CHARGES
6. ADDITIONAL INFORMATION REQUIRED BY THE COMMISSION
7. ANNUAL AUDITOR'S REPORT
8. ANNUAL FIVE-YEAR PROJECTION
9. ANNUAL NOTICE OF REPORTS

Summary of Filing

Exhibit 1 – Billing Adjustments

Exhibit 2 – True-up Amounts

A – Summary of Costs Incurred and Recovered

B – Over / (Under) by Customer Class

C – GCR Factors

Exhibit 3 – Demand Cost Adjustment: Compliance

Exhibit 4 – Demand Cost Adjustment: 1 Month Lag

Exhibit 5 – DDVCs and Capacity Release

Exhibit 6 – Swing Gas: Swing Contracts with Reservation Fees*

Exhibit 7 – Financial Hedges Compliance*

Exhibit 8 – Hedging Impact on Average Bills

Exhibit 9 – Compliance: Contractor Damage Claims*

Exhibit 10 – Auditor's Report

Exhibit 11 - Market Outlook Report *

*Exhibit contains trade secret information. The public version has the trade secret information excised.

STATE OF MINNESOTA
BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION
121 Seventh Place East, Suite 350
St. Paul, MN 55101-2147

Katie Sieben
Valerie Means
Matt Schuerger
Joseph Sullivan
John Tuma

Chair
Commissioner
Commissioner
Commissioner
Commissioner

**Annual Automatic Adjustment
Report - CenterPoint Energy Minnesota Gas**

Docket No. G-999/AA-20-172

1. INTRODUCTION

CenterPoint Energy Resources Corp., d/b/a CenterPoint Energy Minnesota Gas (“CenterPoint Energy” or “Company”) submits to the Minnesota Public Utilities Commission (“Commission”) its Annual Automatic Adjustment Report. Compliance with applicable Minnesota Statutes and Rules and prior Commission Orders is demonstrated in this filing.

2. COMPLIANCE WITH MISCELLANEOUS TARIFF AND PRICE LIST FILINGS

Pursuant to Minnesota Rules Part 7829.1300, CenterPoint Energy provides the following information:

7829.1300 Miscellaneous Tariff and Price List Filings

Subp. 1 ***Summary.***

A miscellaneous tariff filing and price list filing must include, on a separate page, a one-paragraph summary of the filing, sufficient to apprise potentially interested parties of its nature and general content.

A one-paragraph summary is attached to this filing.

Subp. 2 ***Service.***

The filing utility shall serve copies of each miscellaneous tariff filing on which commission action is required within 60 days, and each price list filing increasing the price of a competitive service, on the persons on the applicable general service list, on the department, and on the Residential Utilities Division of the Office of the Attorney General. For other filings, the utility may serve the summary described in subpart 1 on persons on the applicable general service list. The utility shall serve with the filing or the summary a copy of its general service list for the filing.

A copy of this filing has been served on all parties on the enclosed service list.

Subp. 3 **Content of filing subject to specific requirements.**

In addition to complying with specific requirements imposed by statute or rule, miscellaneous tariff and price filings subject to specific filing rules must contain at least the following information:

- A. **the name, address, and telephone number of the utility, without abbreviation;**

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- B. **the name, address, and telephone number of the attorney for the utility, if the utility is using an attorney;**

Steven Clay
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- C. **the date of the filing and the date the proposed rate or service change will go into effect;**

Date Filed:

September 1, 2020

Effective Date:

September 1, 2020

- D. **the statute that the utility believes controls the time frame for processing the filing; and**

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/_____

Donald Wynia
Regulatory Analyst, Regulatory Services
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- Subp. 4 **Content of filing not subject to specific filing rules.**
In addition to complying with any specific requirements imposed by statute, miscellaneous tariff and price list filings not subject to specific filing rules must contain at least the following information:

Not applicable.

3. OFFICIAL SERVICE LIST REQUEST

Pursuant to Minnesota Rule 7829.0700, Subpart 1, the Company requests the following persons be placed on the Commission's official service list for this proceeding:

7829.0700 Official Service List

- Subp. 1 **Content.**

The official service list for each proceeding consists of the names of the parties and the names of participants who have filed a written request for inclusion on the service list with the executive secretary.

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Any information requests in this proceeding should be submitted to Donald Wynia.

4. COMPLIANCE WITH ANNUAL GAS PROCUREMENT REPORTING RULE

Minnesota Rule 7825.2800 requires that “all public utilities shall file annually on September 1 of each year the procurement policies for selecting sources of fuel and energy purchased, dispatching policies, if applicable, and a summary of actions taken to minimize cost including conservation actions for gas utilities.” Pursuant to Minnesota Rules Part 7825.2800, CenterPoint Energy provides the following information:

4.1. GAS PROCUREMENT POLICY AND PROCEDURES

CenterPoint Energy’s gas procurement policy is to provide a reliable source of natural gas supply to its customers in Minnesota, at a reasonable price. As discussed below, providing gas at a reasonable price does not imply that CenterPoint Energy will try to “beat the market.” Sources of supply and procurement technique are analyzed considering reliability, flexibility, delivery logistics, and cost. CenterPoint Energy uses a mixture of third-party firm base-load and swing supplies using various pricing methods to achieve diversity of its supply portfolio. CenterPoint uses contract pipeline storage, company owned storage, and other peak shaving resources to provide additional flexibility to meet fluctuating demand.

4.1.1. Pipeline Capacity

It is CenterPoint Energy’s practice to contract for a level of interstate pipeline capacity that, along with system peaking capabilities, will allow for delivery of sufficient natural gas supplies to meet firm customer needs on winter peak days. CenterPoint Energy first determines the peak-day and monthly requirements of its system by projecting the number of customers by class and the associated use per customer. CenterPoint Energy then projects the appropriate mix between peaking capabilities and pipeline capacity to reliably meet those requirements. CenterPoint Energy contracts for a diverse portfolio of firm pipeline capacity, including capacity on Northern Natural Gas Company (Northern), Viking Gas Transmission Pipeline (Viking), Trailblazer Pipeline, Natural Gas Pipeline Company of America (NGPL), and Minnesota Intrastate Pipeline Company (MIPC) to allow a wider range of supply options. Because the forecasting of firm needs is not an exact science, and gas transportation and delivery equipment problems can occur in the coldest weather, it is CenterPoint Energy’s practice and general industry practice to contract for pipeline capacity above expected needs to provide a reserve margin. Contracting for interstate pipeline capacity frequently requires a minimum lead time of two years, and expansions are most economical when planned to meet needs well into the future; therefore, reserve margins will vary from year to year. CenterPoint Energy will work to manage these variances through acquisition of short-term capacity, if available, or through offerings of temporary releases of pipeline capacity to third parties via the pipelines’ capacity release systems.

4.1.2. Gas Supplies

CenterPoint Energy establishes a diverse gas supply portfolio that efficiently uses the available pipeline capacity and other supply assets to meet its customer demand. CenterPoint Energy uses a variety of contracts to allow it to meet varying customer demand with varying contract service types. Contracts can be made to deliver gas seven days a week, on-demand as weather and

price fluctuate, or other unique criteria. CenterPoint Energy's practice is to maintain contract arrangements with multiple suppliers allowing for a competitive bidding process and access to diverse supply options. For each unique supply requirement, CenterPoint Energy solicits proposals from numerous suppliers which are selected based on their reliability, price, and capability to meet CenterPoint Energy's delivery requirements.

4.1.3. Price Stabilization

CenterPoint Energy's policy is to provide price stabilization for a portion of its winter supply through hedged gas purchases and storage gas, to provide protection against volatile gas prices. The level of stabilization to be achieved is re-determined each year based on analysis that incorporates regulatory guidelines (as to volumes and costs), winter price projections, and available portfolio assets. CenterPoint Energy's policy is designed to provide upside price protection on a portion of the portfolio, yet partially taking advantage of declining prices. Each spring CenterPoint Energy estimates an expected range of prices for the upcoming winter season based on industry and government expert projections, plus internal analysis of market conditions. The Company then analyzes projected results of various levels of hedging and varying types of products to determine its portfolio approach. This analysis includes analyzing portfolio cost results under various potential price scenarios using Monte Carlo simulations. Flexibility, however, is built into the annual Gas Procurement Plan for changing the level of hedging volumes and type of products used to respond to changing market conditions. Generally, CenterPoint Energy will use hedge products that allow for some form of downward movement in price when current market pricing is high relative to the range of expected price levels and focus more on fixed price products when pricing is low relative to the expected range of prices for the upcoming winter. However, the Company will attempt to maintain the diversification inherent in the product mix generated during the planning process each spring. CenterPoint Energy also relies on advice of an industry energy advisor to help with the decision as to timing of hedge purchases.

4.1.4. Pipeline Storage

CenterPoint Energy continues to rely on its contracted interstate pipeline storage service as a valuable part of its supply portfolio. CenterPoint Energy has firm storage service under long term contracts directly from NGPL and Northern, which provides capacity to purchase and store up to 19.1 Bcf of gas during the summer months, then delivery of that gas to CenterPoint Energy's market during the heating season. The maximum per day of firm delivery from NGPL and NNG storage is 268,080 Dekatherms, along with the firm swing supply under contract, provides excellent control of swing and peak supplies during the heating season. The NGPL and NNG storage service also provides benefit in meeting significant swing requirements during the shoulder months of October and April when weather highs and lows vary greatly. These storage services allow for intra-gas day adjustments to supply levels not provided by other supplies which enables CenterPoint Energy to avoid costly daily imbalance penalties on pipelines. In addition to supply flexibility, these services provide natural gas supply price stability when stored volumes purchased in the non-heating season are withdrawn and delivered to the market during winter months at a weighted average cost of stored gas.

The Company contracts for shorter term storage services on Northern provided indirectly through

marketers that provide for heating season withdrawals of 10.0 Bcf of gas on the Northern system. CenterPoint Energy sought out these additional storage services in 2014-2015 for the following reasons:

1. Avoid use of swing gas contracts with First-of-the-Month reservation fees which usually are not economical;
2. Provide protection against potential daily price fluctuations;
3. Allow CenterPoint Energy to capture the summer/winter price differential for more of its winter supply portfolio; and
4. Provide additional opportunities for price stabilization.

The Company solicited bids in the Summer of 2018 and contracted with BP Canada effective May 1, 2019 through March 31, 2022 (3-year term) for 10 Bcf of storage service.¹

4.2. REVIEW OF 2019-2020 GAS PROCUREMENT PLAN

CenterPoint Energy's 2019 Gas Procurement Plan performed well. CenterPoint Energy's gas supplies and upstream pipeline services were adequate and met the needs of CenterPoint Energy's customers. CenterPoint Energy's Minnesota customers experienced winter weather that was 0.6% colder than the 10-year normal average heating degree days. The First-of-Month Market price volatility for winter 2019-2020 averaged 25% compared to CenterPoint Energy's gas supply rate at 20%. This demonstrates that CenterPoint Energy's hedging strategy and storage capabilities have a positive effect on stabilizing gas supply costs. CenterPoint Energy's gas supplies subject to stabilized price mechanisms (that is, storage withdrawals and price hedged physical gas) amounted to 49.2 Bcf or 49.2% of all gas delivered to sales customers during the winter. The 2019 Plan met its objectives of providing adequate supplies at reasonable prices.

CenterPoint Energy continued its competitive bidding process under which it purchased base load and daily priced (Call Option) gas (also called swing gas). Based on annual analysis performed after each of the last ten winters, CenterPoint Energy continued to emphasize daily spot market purchase of gas and daily priced Call Option contracts rather than first-of-month priced Call Options for winter swing gas. CenterPoint Energy also continued its program of stabilizing prices through storage products and hedged gas purchases.

4.2.1. Discussion of Plan Performance 2019-2020

As shown in Table 1 below, actual throughput for the winter months of 2019-2020 were 113.4 Bcf, an 0.08 Bcf decrease from Plan. Winter system sales, excluding Transportation volumes, were 0.2 Bcf below Plan, and Transportation volumes were 0.6 Bcf below Plan.

CenterPoint Energy's planned portfolio for the winter of 2019-2020 provided for total supplies to meet 113.4 Bcf of system and transport load requirements (consisting of the following supply mix):

¹ Further information can be found in the Demand Entitlement docket: G-008/M-18-462, filed on May 1, 2019.

Table 1

(November 2019 – March 2020)	Actual		Plan		Variance
	BCF	Percent	BCF	Percent	BCF
Baseload - Hedged	23.1	24.1%	23.0	24.0%	0.1
Baseload - Index Price	16.1	16.8%	13.0	13.5%	3.2
Daily/Swing Supply	30.5	31.8%	33.2	34.6%	(2.7)
Storage Supply	26.1	27.2%	26.8	27.9%	(0.7)
Peaking Supply (LNG/Propane)	0.1	0.1%	0.0	0.0%	0.0
Total System Purchases	95.8	100%	96.0	100%	(0.2)
Total Price Stabilization	49.2	51.3%	49.8	51.9%	(0.6)
Transports (3rd Party)	17.6		18.1		(0.6)
Total System Supply	113.4		114.1		(0.08)

4.2.2. Results of Price Stabilization Efforts

CenterPoint Energy’s strategy to provide gas supplies at reasonable prices includes using hedging tools to achieve price protection and stability for the portfolio. During the winter of 2019-2020, CenterPoint Energy relied on gas in contract storage and physical purchases with imbedded price protection options to stabilize prices. First-of-Month Market price volatility averaged 25%. Over time, hedged purchases and storage gas have had a major effect on stabilizing gas supply costs billed to customers. The winter volatility results for each of the last ten years indicate a more stable billed gas cost than the index when the volatility of the indices is low or high. Table 2 below shows percent changes in the Ventura index vs. CenterPoint Energy’s gas supply rate for a ten-year period ending March 2020. This chart indicates that, over time, CenterPoint Energy’s gas supply rate is more stable than the index, particularly for the winter period when most hedge products have been in effect.

CenterPoint Energy monitors the historical impact of its hedging plans through a comparison of the price volatility of its Commodity Rate (average commodity gas cost for billing which does not include demand costs) as compared to the price volatility of a key indicator of market prices in its distribution area – the First-of-Month Index for Northern’s Ventura point as published in Inside F.E.R.C.’s Natural Gas Market Report (FOM Ventura). Volatility, for this purpose, is defined as the absolute change in price from one month to the next and is measured using the formula:

Historical Volatility equals the standard deviation of price reports multiplied by the square root of the number of pricing samples, expressed as a percentage, where:

$$\text{Price Report} = \frac{P_2 - P_1}{P_1} \quad \text{and} \quad P_1 = \text{First Price} \\ P_2 = \text{Second Price}$$

Over time, the combination of hedged purchases and storage has had a major effect on stabilizing gas supply costs billed to customers. The results for each of the last five years indicate a more

stable billed gas cost than the index even in prior years, when the volatility of the indices is relatively low.

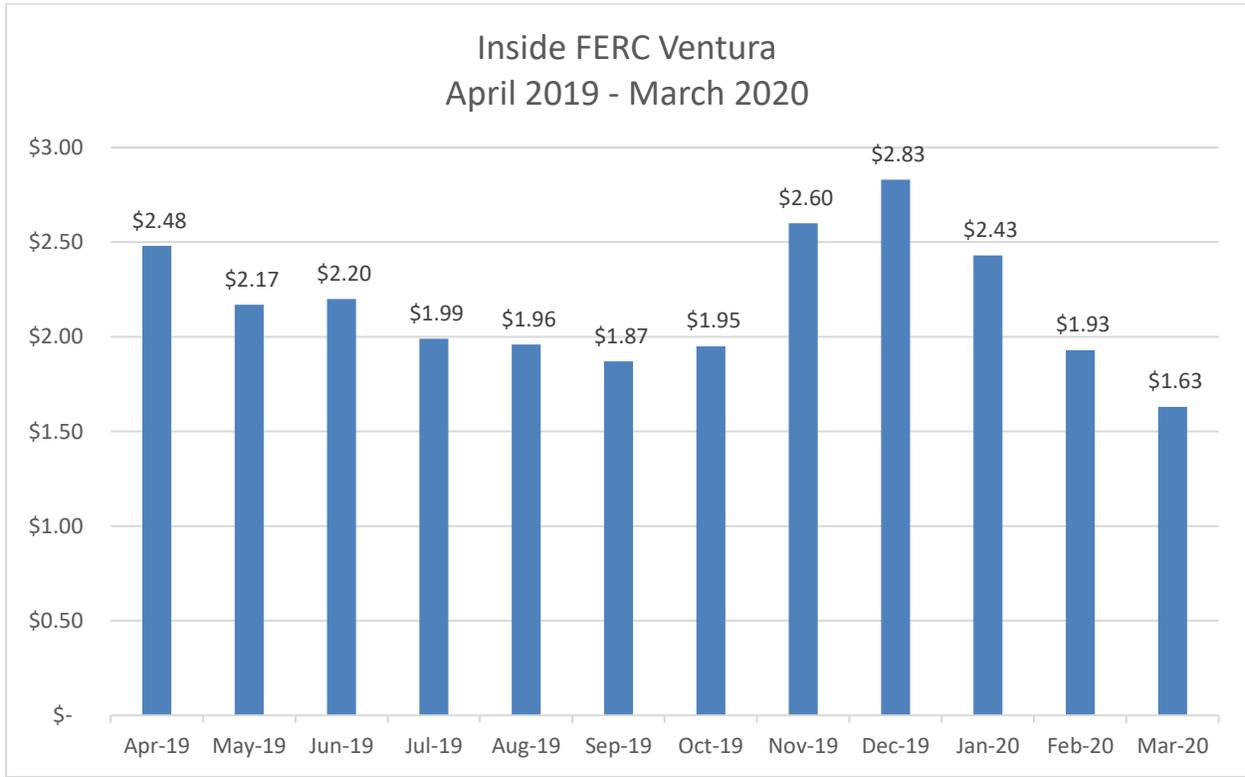
Table 2 below shows percent changes in the Ventura index versus CenterPoint Energy's gas supply rate for a ten-year period ending March 2020.

Table 2

Volatility Comparison-Minnesota					
<u>12 Months Ending</u>	<u>Ventura Index</u>	<u>CenterPoint Gas Supply WACOG Rate</u>	<u>Winter</u>	<u>Ventura Index</u>	<u>CenterPoint Gas Supply WACOG Rate</u>
March 2011	44%	35%	2010-2011	34%	23%
March 2012	18%	11%	2011-2012	9%	6%
March 2013	40%	36%	2012-2013	12%	10%
March 2014	71%	52%	2013-2014	48%	40%
March 2015	58%	34%	2014-2015	59%	23%
March 2016	34%	22%	2015-2016	28%	5%
March 2017	68%	41%	2016-2017	56%	30%
March 2018	70%	43%	2017-2018	74%	45%
March 2019	63%	37%	2018-2019	64%	35%
March 2020	50%	47%	2019-2020	25%	20%

The following chart represents Inside FERC Ventura monthly settled prices for April 2019 through March 2020. Summer pricing settled at an average price of \$2.09 and winter at an average price of \$2.28.

Table 3



Contract storage allowed for the purchase of gas during summer months when prices are typically lower, and withdrawal for system use during winter months resulting in a natural price hedge. Storage also provided daily operational benefits for which it was purchased. Storage volumes represented 27.2% of the winter system supplies. Physical base load gas purchases containing price protections were made over several months during the summer using multiple RFP's. CenterPoint Energy purchased 23.1 Bcf of total hedged supply and, when combined with 26.1 Bcf of storage volumes, provide stabilized prices for 51.3% of winter gas supplies. This is slightly higher than plan due to reduction in sales.

In addition to providing price stability, the price hedges also provided catastrophic price protection against price fly-ups during unforeseen events such as upstream pipeline ruptures and prolonged extremely cold weather.

As shown in Table 4 below, market prices for winter gas (futures winter strip) during 2019 started around \$3.00 until June when it hovered between \$2.50 and \$2.75 until the beginning of the winter season.

Table 4

NYMEX Winter 5 Month Strip 2019-2020



CenterPoint Energy diversified its hedge portfolio purchases by spreading purchases across summer months, starting in June, and following SENDOUT® model guidance, split hedge gas purchases between collars and call options similar to Plan levels. This approach resulted in transactions that provided a balance between price stability and reasonable price and these transactions stabilized the gas supply price volatility. Hedging will not remove all exposure to gas price volatility but will trim some of the extreme pricing while allowing volatility within the boundaries.

CenterPoint Energy has analyzed the impact that would have occurred from hedging in two scenarios using different products. Those scenarios include (a) purchasing only Call options and (b) purchasing only Costless Collars. The results given actual prices that occurred last winter for those two products were compared to the results had no hedge products been purchased and to the actual results of CenterPoint Energy's portfolio. Table 5 below shows the results of those comparisons.

Table 5

2019-2020 Winter Season (In Millions)			
Market Price vs Various Hedge Strategies			
Hedge Type	Total Cost	\$ Over/(Under) Market	% Over/(Under)
Market (no hedges)	\$30.3		
CERC Hedges Value	\$46.4	\$16.06	53%
100% Calls	\$58.4	\$28.07	93%
100% Collars	\$43.1	\$12.85	42%

Due to an unprecedented market price decline, CenterPoint Energy's hedging strategy resulted in costs that were higher than if CenterPoint Energy had purchased all gas at market price. While the portfolio used by CenterPoint Energy did not result in the lowest price approach, it represents the following:

1. A balanced approach to upside price protection and volatility; and
2. Captured a storage spread between summer and winter savings of \$7.3 million to CenterPoint Energy's customer costs during the winter period.

The \$16.06 million of costs with hedges and the \$7.3 million saving on storage spreads nets to a cost of \$8.8 million.

Throughout the 2019-2020 Plan year, CenterPoint Energy's gas supply met the key supply considerations outlined in the Plan: a gas supply that is reliable, flexible, and reasonably priced. The stabilization through supply contracts with forward pricing, coupled with gas withdrawn from storage, allowed CenterPoint Energy to maintain a relatively low level of price volatility for the year.

4.2.3. Dispatching Policies

Natural gas supplies are scheduled to CenterPoint Energy's customers in the following general sequence:

1. Term & Monthly Base Load
2. NGPL, Northern, and Marketer Storage
3. Waterville Underground Storage
4. Term & Monthly Swing Purchases
5. Daily Spot Market Purchases
6. Liquefied Natural Gas (LNG)
7. Propane Air

This general sequence is used to minimize the cost of gas to our customers and meet contract terms; however, exceptions do occur. Generally, the costs of the supply sources listed above increase in the sequence shown (i.e., Term & Monthly Base Load gas is less expensive than swing supplies, etc.). Items 4 and Item 5 are interchangeable (i.e., Daily Spot Market supplies

are purchased to meet daily requirements when priced advantageously to Swing supplies).

CenterPoint Energy applies qualifications and restrictions to our gas dispatching policy to supply lowest cost gas to the highest priority (firm) customers. These qualifications and restrictions are:

1. CenterPoint Energy's natural gas supply is delivered to all customers as governed by pipeline and distribution tariffs and the provisions of the contracts with our customers.
2. Company owned underground storage gas, LNG, and propane are generally used to serve firm customers only and are occasionally used to manage minor daily balancing corrections and to support delivery system low pressure issues.
3. The utilization of gas from peak shaving sources is controlled to maintain storage inventories at a proper balance at all locations in order to meet peak intraday requirements throughout the heating season. Monthly storage inventories are managed so that they are available when needed to meet the coldest weather and for balancing, yet full cycling of storage inventory is maximized.

4.3. Actions taken to Minimize Gas Supply Costs

CenterPoint Energy works to minimize gas costs using three approaches: using market forces to its advantage, participating in Federal Energy Regulatory Commission (FERC) proceedings, and supporting conservation efforts through its Conservation Improvement Programs (CIP).

4.3.1. Market Forces

CenterPoint Energy utilizes the following market forces to attempt to minimize gas supply costs:

1. CenterPoint Energy uses a competitive bid system to seek out low cost, reliable gas supplies from producers and other suppliers for periods of thirty days or more. Generally, CenterPoint Energy establishes a rank order for the bids received according to price and, provided delivery reliability and supply flexibility needs are met, selects the lowest cost supplies to match expected customer requirements.
2. CenterPoint Energy contracts for its hedged price supplies by purchasing a planned amount through multiple RFP's during the non-heating season to diversify the risk of buying at a market high point. The Company also incorporates the advice of an industry expert (a consulting service) to determine the appropriate timing of individual RFP's.
3. CenterPoint Energy monitors pricing from marketer contacts, electronic reports, Over-the-Counter markets, and the NYMEX quotes to ensure daily dispatch of reasonably priced gas supplies to meet demand in excess of monthly contracted volumes.
4. CenterPoint Energy maintains an ongoing relationship with varied suppliers who provide daily updates on market prices and has made use of the daily market to purchase gas to supplement peaking, fill storage, and/or meet interruptible needs. Many producers and marketers withhold gas from monthly commitments and offer the gas for sale at the highest offer on a daily basis. During times of decreased demand, this gas may be available at attractive prices.
5. The Company's use of the MIPC line allows CenterPoint Energy to access alternate supplies, including gas from Canadian suppliers.

6. CenterPoint Energy contracted for its long-range pipeline capacity and storage by exploring new pipeline additions, negotiating capacity agreements with its current suppliers, and evaluating storage opportunities.

4.3.2. FERC Interventions

CenterPoint Energy monitors and, where deemed necessary, participates in Federal Energy Regulatory Commission (FERC) proceedings related to interstate pipeline activities. CenterPoint Energy participates in FERC regulatory activities regarding general industry issues and specific pipeline proceedings through individual efforts and through participation in the American Gas Association's Federal Regulatory Committee; however, its primary focus is on the individual pipeline proceedings.

CenterPoint Energy is directly impacted by proceedings involving Northern Natural Gas Company (Northern), Natural Gas Pipeline Company of America (Natural), and Viking Gas Transmission Company (Viking). Approximately 80% of CenterPoint Energy's design-day load requirements are expected to be met through gas supplies transported on firm transportation capacity rights held on Northern's system. Northern's proceedings have the most potential to significantly impact CenterPoint Energy's gas supply costs and its ability to transport gas when needed. CenterPoint Energy utilizes its long-term storage and transport agreement on Natural's system to move up to approximately 389 MMcf per day of gas supply to its system. Viking provides CenterPoint Energy with firm peak-day transportation of approximately 76 MMcf which allows delivery of Canadian gas supplies to its system, primarily through deliveries to the Minnesota Intrastate Pipeline Company which redelivers the gas to CenterPoint Energy.

4.3.2.1. Key FERC Proceedings – July 1, 2019 to June 30, 2020

Northern, RP19-59

During October 2018 Northern filed a FERC Form No. 501-G, including its Statement Demonstrating Why No Rate Adjustment Is Warranted, which subsequently was changed to a section 5 rate investigation. CenterPoint Energy has intervened in this docket and is currently participating in the proceedings. An unopposed settlement was filed June 19, 2020.

Natural, RP19-395

During December 2018 NGPL filed a FERC Form No. 501-G, including its Statement Demonstrating Why No Rate Adjustment Is Warranted. The Commission terminated this proceeding with no action October 17, 2019.

Northern, RP19-1353

During June 2019 Northern filed a section 4 filing to increase its jurisdictional rates for transportation and storage services and to implement system-wide reservation rates. CenterPoint Energy has intervened in this docket and is currently participating in the proceedings. An unopposed settlement was filed June 19, 2020.

Viking, RP19-1340

During June 2019 Viking filed a section 4 filing to increase its jurisdictional rates. The Commission approved an unopposed settlement July 1, 2020.

Northern Border RP20-859

On May 4, 2020 Northern Border Pipeline filed to change the gas quality requirements in its tariff. CenterPoint Energy's has intervened in this docket and is participating in the proceedings. Gas quality on Northern Border's Pipeline affects the quality of gas CenterPoint Energy receives into its distribution system via Northern Natural Gas Pipeline.

Other Proceedings

CenterPoint Energy continues to monitor FERC proceedings on industry-wide issues, including several related to the recovery of income tax expense by interstate and intrastate pipelines. These proceedings include the policy for the recovery of income taxes by pipelines organized as Master Limited Partnerships (PL17-1) and the process to review the reasonableness of pipeline rates in light of the Tax Cuts and Jobs Act of 2017 (RP18-415 and RM 18-11).

4.3.3. Energy Conservation Actions

2019 was the last year of CenterPoint Energy's *2017-2019 CIP Triennial Plan*, which was approved by the Minnesota Department of Commerce (DOC) on November 3, 2016 (Docket No. G-008/CIP-16-119, et al.). The Plan included energy savings goals and CIP budgets that exceeded previous years to expand and modify the Company's CIP in many ways. The Plan featured 23 approved customer-focused project offerings in residential and commercial/industrial market segments. The Company's 2020 Plan, approved by the DOC on November 26, 2019, went into effect January 1, 2020 (Docket No. G-008/CIP-16-119, et al.) CenterPoint Energy began the implementation of several program enhancements included in the 2020 CIP Plan. A major program enhancement included a restructuring of the joint CenterPoint Energy/Xcel Energy Multi-Family Building Efficiency project to drive additional savings and simplify the project for participants. The Company also developed a new School Kits Project where kits are provided for teachers looking to present energy efficiency curriculum and energy savings opportunities to students.

CenterPoint Energy's CIP operates on a calendar-year basis, and accordingly, two program years were represented during the period of July 1, 2019, through June 30, 2020. In 2019, CenterPoint Energy's CIP achieved just over 2.0 BCF of energy savings and had more than 319,000 participants. Detailed information regarding expenditures, participation, and energy savings by project was provided to the DOC and the Commission in the May 1, 2020, CIP Status Report filing (Docket No. G008/CIP-119.05). The Deputy Commissioner approved the report on August 6, 2020.

In the Spring of 2019, the Company made two modifications to the 2017-2019 Triennial Plan's program offerings. On April 10, 2019, CenterPoint Energy filed a request to modify the baseline efficiency assumptions for its High-Efficiency Home and Non-Profit Affordable Housing Rebates projects. The Company requires Raters to evaluate energy savings through modeling of the participating home and comparison to a reference home design using RESNET approved

software, REM/Rate or Ekotrope.² The Company requested that the reference home ventilation rate be improved by allowing a change to the assumed continuous ventilation rate to instead be the same rate as the proposed home design. The Deputy Commissioner approved CenterPoint Energy's request on July 2, 2019.

On May 1, 2019, CenterPoint Energy filed a request to modify the Low-Income Weatherization project to expand the available offerings. The change allows for the installation of residential space heating/domestic hot water combination units ("combi units") in residential homes of low-income customers. The Deputy Commissioner approved CenterPoint Energy's request on July 2, 2019.

CenterPoint Energy filed its 2021-2023 CIP Triennial Plan on July 1, 2020 (Docket No. G-008/CIP-20-478).

5. COMPLIANCE WITH AUTOMATIC ADJUSTMENT CHARGES

7825.2810 ANNUAL REPORTS; AUTOMATIC ADJUSTMENT CHARGES.

Subp. 1 *Gas and electric utilities.*

By September 1 of each year, gas and electric utilities shall submit to the commission an annual reporting by month of automatic adjustment charges for each customer class for the previous year commencing July 1 and ending June 30. This report must include:

A. The commission-approved base cost of fuel or gas as defined by part 7825.2400, subpart 4 or 4a;

See Exhibit 1.

B. Billing adjustment amounts, such as Kwh, Mcf, Ccf, or Btu, charged customers for each type of energy cost, such as nuclear, coal, purchased power, purchased gas by major component, peak shaving gas, or manufactured gas;

See Exhibit 1.

C. Billing adjustment amounts, by gas supplier, that were used to bill the utility during the reporting period;

D. The total cost of fuel or gas delivered to customers including, for gas utilities, the cost of supply-related services;

E. The revenues collected from customers for energy delivered;

² The RESNET approved software Ekotrope was added as an acceptable software for evaluating new residential homes, through informal notification of the Department on Nov. 11, 2018.

See Exhibit 2, Parts A through C, for True-Up Schedules that contain information requested in parts C-E.

F. The amount of supplier refunds received as defined by part 7825.2700

CenterPoint Energy did not receive supplier refunds through the months of July 2019 – June 2020. However, CenterPoint Energy does anticipate refunds from NNG and Viking due to rate cases mentioned above.

G. The amount of refunds credited to customers.

CenterPoint Energy refunded \$241,434.95, which includes interest at prime, that was received late in the 2017 – 2018 reporting period. The refund was posted in January 2020.

Table 6

Supplier Refund Credit By Class Credit (Posted 1/2020)			
		Firm Use	Credit
Residential		732,192,694	\$150,201.80
Com-A		22,573,356	\$4,115.33
Com/Ind-B		59,874,241	\$12,193.62
Com/Ind-C		346,835,582	\$71,858.39
LV Firm		9,376,681	\$2,009.15
SVDF-A		401,592	\$109.99
Total		1,171,254,146	\$240,488.28

Due to timing and rounding, \$946.67 was non-refundable. This amount was credited to the PGA.

Subp. 2 *Additional information from gas utilities.*

In addition to the requirements in subpart 1, gas utilities are required to report:

A. Purchased gas adjustment rule variances in effect or requested during the 12-month reporting period and reasons why those variances were necessary;

Demand Smoothing - Docket G-008/M-19-342

On June 21, 2019 the Company requested an extension to continue the adjustment. On September 5, 2019, the Company was granted a three-year extension by the Commission that includes a 25% cap to the adjustment.

This year's results are analyzed in Exhibits 3 and 4. As shown in these Exhibits, the one-month lag method for the Company's demand costs would have been \$13,126,481 under-recovered. For 2019-2020, under the method used by the Company (with the one-month lag removed), the demand costs were under-recovered \$12,579,209. For the 2019-2020 Heating Season, the

demand cost recovery method used by the Company improved the matching of demand costs to actual costs. As demonstrated in Exhibit 4's first summary box near the bottom, recovery without an adjustment would have resulted in an over-recovery of about \$3.8 million.

Exhibit 3 of this AAA report details the impact of leaving the one-month lag which is a compliance item for Docket No. G-008/M-19-324. Exhibit 4 of this AAA report demonstrates the impact of removing the one-month lag, which is the model currently used for the adjustment.

Docket G-008/M-01-540 – A variance was granted to the Company in order to recover the costs associated with financial call options related to swing gas in place of reservation fees through the PGA in an order dated June 29, 2001. Exhibit 6 (Swing Gas: Swing Contracts with Reservation Fees) provides the required compliance information.

Docket No. G-008/M-15-912 - The Company requested a four-year variance extension on October 12, 2015 to recover the costs of certain Natural Gas Financial Instruments through the PGA. The variance will allow CenterPoint Energy additional strategies in its procurement of reliable low-cost supplies for its customers. The variance was approved on February 5, 2016, with defined volume limits and reporting required. The information contained in Exhibit 7 provides a list of hedging instruments, the volumes contracted for, and the term dates. CenterPoint Energy details the results of its hedging for the past heating season in Section 4.2.1 and provides an overview of its plans for the upcoming winter season in Section 8 (Annual Five-Year Projection).

Docket No. G-999/AA-17-493 and G-008/AA-17-668 – The Commission ordered the following in its February 27, 2019 Order regarding curtailments/use of unauthorized gas.

3. For the next three AAA reports (2017 – 2018), (2018 – 2019), and (2019 - 2020), all Minnesota regulated natural gas utilities shall provide the following information on unauthorized gas use for each customer that did not comply with a called interruption during the heating season:

A. The volume of gas consumed by the non-compliant customer during the curtailment period.

The Company did not have any unauthorized gas used or billed in the 2019-2020 gas year.

B. The specific commodity rate charged for the unauthorized gas used and how that rate is determined.

As noted in part A, there was no unauthorized gas use.

C. The financial penalty, if any, assessed by the company to the customer, including calculations in determining the penalty or penalties.

There were no financial penalties assessed by the company.

D. A discussion about utility communication with each customer regarding noncompliance with interruptions (excluding invoices).

There were no instances requiring customer communication.

The Company notes that in Docket No. E, G-999/CI-19-160 the Commission Ordered that: Annually, on the September 1, AAA report filings, natural gas utilities must file complete analyses of circumstances when an interruptible customer fails to curtail twice, or a single noncompliant event is significant. The Company has provided the information in this report. CenterPoint Energy believes that in general its customers are compliant with curtailment requests, and its penalty structure and systems allow it to control its system flow on peaks to operate in a safe and reliable manner.

B. Changes in demand contracted for during the reporting period and reasons for those revisions;

On July 1, 2020 CenterPoint Energy filed a request for change in demand entitlement (see Docket G-008/M-20-565). This docket remains open.

On May 1, 2019 CenterPoint Energy filed a request for change in demand entitlement (see Docket G-008/M-19-278). The Demand Entitlement filing for the 2019-2020 Heating Season had a \$1.4 million increase to be effective on May 1, 2019 and an increase of \$24.2 million to be effective on November 1, 2019.

. CenterPoint Energy proposed an increase in the total level of entitlement effective November 1, 2019, and an increase in costs to reflect changes in demand rates associated with CenterPoint's renegotiated long-term agreement with Northern.

CenterPoint requested that the Commission approve an increase in the Company's overall level of contracted pipeline capacity of 41,688 Dekatherms (Dkt) per day.

On February 6, 2020 the Commission issued an order approving the level of demand entitlement and proposed recover of associated demand costs.

Table 7
Demand Units 2019-2020 Heating Season

Northern Natural Gas Pipeline	
Transportation (TFX)	
Winter	1,180,290
Summer	708,174
Viking Pipeline	76,809
FT – A 12	
Trailblazer	100,000

Demand costs were significantly increased in January 2020, and then decreased June 2020, due to NNG filing a rate case. NNG is currently in the process of receiving FERC approval of settlement. CenterPoint Energy is expecting to receive a refund once that settlement is approved.

C. The level of customer-owned gas volumes delivered through the utility's distribution system under retail transportation tariffs during the reporting period; and

For the twelve months ended June 30, 2020, the customer owned gas volumes transported through CenterPoint Energy's distribution system were 49,978,826 dekatherms.

D. A brief explanation of deviations between gas cost recovery and actual gas cost during the reporting period.

Results of the Reconciliation

For the twelve months ended June 30, 2020, the Company's purchased gas costs were over recovered by \$5,659,903. The over-recovery represents 1.3% of the total purchased gas costs of \$447,797,806. Listed below is a summary of the under/over collection of purchased gas costs by major component. Further detail is provided in the Company's True-Up filing made on the same date as the present report.

Table 8

CenterPoint Energy summarizes the annual Over/(Under) below:			
	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>
Over (Under) Current Period	(\$3,974,494)	9,634,397	\$5,659,903 (1.3%)
Prior Year – GCR Balance			\$649,199
Curtailment			\$0.00
Balancing			\$734,398
Off System Sales Credits			\$200,952
Losses collected for Damages			\$19,385
6/30/2020 Total Balance			\$7,263,838
Percent of Total Gas Costs			<u>1.6%</u>

Commodity Gas Costs

Commodity gas costs (before credits) were over collected by \$9,634,397 out of the total commodity costs of \$320,798,461. Commodity-cost recovery rates are based on estimated monthly purchases prior to the start of the month, based on the assumption of “normal” weather. To the extent estimated purchases vary from actual purchases, an over or under recovery will occur. Detailed discussion can be found in Section 4.2.2. above.

Demand Costs (including Propane Costs)

Demand Costs were under collected by \$3,974,494. Weather was approximately 0.4% colder than normal. Due to demand rate being an annualized value, changes that occurred in demand costs during the True-up year resulted in timing differences between costs incurred and recovered.

This year, adjustments to demand from the “demand smoothing” factor brought the demand cost recovery much closer to the demand costs incurred, reducing recovery in the recovery period to avoid carrying over a much larger over-recovery due to weather (see explanation Section 5. Compliance with Automatic Adjustment Reports, Subp. 2, Subsection A.).

Propane Costs

Propane costs of \$162,659 were included in the above demand cost analysis. Propane recovery rates have been included in the monthly demand recovery rate calculations since the June 1995 PGA.

6. ADDITIONAL INFORMATION REQUIRED BY THE COMMISSION

The following information is provided in accordance with existing Commission Orders in various dockets.

6.1. DDVC Penalties / Capacity Release Credits

CenterPoint Energy provides this information in Exhibit 5.

6.2. Financial Call Options

In Docket No. G-008/M-01-540, the Commission approved a variance to PGA rules, which allowed the Company to recover the costs associated with financial call options (limited to call options related to swing gas) through the PGA. Exhibit 6 provides the information required by the order in this filing.

6.3. Variance Request to Recover the Costs of Certain Natural Gas Financial Instruments Through the PGA

In Docket Nos. G-008/M-04-368, G-008/M-08-777, G-008/M-12-166, G-008/M-15-912, and G-008/M-19-699 the Company requested permission to recover the costs of certain natural gas financial instruments through the PGA. The Company requested an extension of its original variance request to recover the costs of certain natural gas financial instruments through the PGA on November 5, 2019. On January 13, 2020 the Company was granted a four-year extension to apply the variance to all Commission-approved financial positions that the Company enters into through June 30, 2024. CenterPoint Energy used fixed priced physical gas supplies in place of an index-based purchase combined with a financial swap instrument in order to assure its gas purchasing process remains competitive (through a bidding process) and transparent to reviews and audits for most of its stabilization efforts. These physical transactions have the same end result and competitive price as combining index-priced gas and a financial swap instrument. See Exhibit 7 for a list summarizing the hedges for the heating season and Exhibit 8 for estimated impacts on customer bills as a result of the Company including hedging products in its supply portfolio during this true-up period.

6.4. Docket No. G-999/AA-08-1206 – Hedging Program Information and Orders in AAA dockets (G-999/AA-14-580 and previous year's orders)

G-999/AA-14-580, dated August 24, 2015 - The Commission requires each utility that engages in physical and financial hedging practices in the procurement of gas supplies to continue to provide in subsequent annual automatic adjustment filings a post-mortem analysis, in a format similar to what was provided in this docket.

The Commission directed CenterPoint Energy, Xcel, and MERC-PNG and MERC-NMU to provide the Office of Energy Security (i.e., Department of Commerce) with information about their hedging programs, beginning in fiscal-year 2010 and each year since:

- A clearly defined and quantified description of the risk (i.e., catastrophic or other type of event) the companies are insuring against by implementing the hedging strategies. The

Company shall include a clearly defined and quantified estimate of the probability of these events occurring.

- A quantitative analysis of the value of reducing price volatility and managing price risk (the cost and benefit of these programs to all customers and the companies).
- A comparison of what actual low, average, and high usage customer bills (on a monthly basis) would have been with and without the use of the hedging strategies as implemented during the relevant time period.
- A comparison of what these customer bills would have been under budget billing, assuming normal gas usage for low, average, and high usage customers, and assuming catastrophically high prices.
- A quantitative definition of "catastrophically high prices" (in absolute and relative terms), and a bill analysis that shows how these prices would impact low, average and high usage customer bills.

CenterPoint Energy reviewed the impact on its Purchased Gas costs of its stabilization efforts using call options and costless collars to minimize price volatility. The results of that analysis for actual gas costs are shown below:

Table 9
CenterPoint Energy PGA Price Impact of Hedging
(Prices per Dekatherm)

Year	Month	Commodity Price ³	Est. PGA w/o Hedges	Difference
		(1)	(2)	(2) – (1) = (3)
2019	November	\$2.8744	\$2.8744	\$0.0000
	December	\$3.2623	\$3.2622	\$(0.0001)
2020	January	\$3.0703	\$3.0466	\$(0.0237)
	February	\$2.6022	\$2.5158	\$(0.0864)
	March	\$2.1980	\$2.1874	\$(0.0106)
<i>Non-Weighted Average =</i>				<i>\$(0.0242)</i>

Exhibit 8 shows the impact on annual customer bills.

CenterPoint Energy's hedging strategy for the 2019-2020 annual period was to hedge enough volumes to meet two objectives:

1. Provide price protection against catastrophic price increases. CenterPoint Energy defined a catastrophic event as prices reaching a level equal to the upper border of a 95% confidence interval around expected prices defined in its *SENDOUT* analysis in the spring of 2019, then re-determined the upper bound each time the Company executed another request for proposal (RFP) for hedged gas. This level was based on two standard

³ As filed in the Company's Monthly PGA, Schedule C commodity price.

deviations (using market indicated price volatility measures) around the expected average pricing for winter. This price level has a 2.5% probability of occurrence.

2. Reduce the volatility of the gas prices paid by CenterPoint Energy's customers. CenterPoint Energy addressed this objective and the results of these efforts to reduce price volatility previously in this filing under the heading "Results of Price Stabilization Efforts" beginning on page 4.

CenterPoint Energy provides the requested comparisons in Exhibit 8: annual bills with hedges, annual bills estimated if the Company had not hedged any of its supply purchases (purchasing gas at FOM instead, and gas prices rising to its estimated "catastrophically high" price during the winter season, with and without the hedges it contracted.

6.5. Main Strikes and Meter Testing

As Ordered in Docket No. G999/AA-10-885 on October 11, 2012, the Company provides the following information:

6.5.1. Order point 5 – Contractor Main Strikes

All gas utility companies shall file, as part of their annual AAA reports, a schedule reflecting the contractor main strikes⁴. Exhibit 9 summarizes the activity required.

6.5.2. Order point 7 – Meter Testing

All gas utility companies shall file any updates regarding meter testing within an annual period in their AAA reports. Test metering reports shall be incorporated into the AAA report starting in 2012.

CenterPoint Energy continued its meter testing and management program in 2019. Meter samples and tests are conducted over a two-year period and the results of current interval 2019-2020 have been reviewed. All meter lots evaluated are presently passing the accuracy expectations.

During 2019 the Company exchanged 1,912 'failed' meters, and year-to-date through June 2020, 465 meters have been exchanged. Per the meter management program, the work plan for 2020 is set to target an additional 2,627 meters to be exchanged as previously identified meter groups requiring attention. This work is slightly behind schedule due to COVID-19 restrictions and service protocols.

7. ANNUAL AUDITOR'S REPORT

7825.2820 ANNUAL AUDITOR'S REPORT.

By September 1 of each year, all gas and electric utilities shall submit to the commission an independent auditor's report evaluating accounting for automatic adjustments for the prior year

⁴ Ordering Point 5. G-999/AA-10-885, October 11, 2012: All gas utility companies shall file, as part of their annual AAA reports, a schedule reflecting the contractor main strikes during the corresponding annual period billings to at-fault contractors. The Commission will require that the schedules reflect the date, party involved, repair cost amount, and gas lost amount for each incident.

commencing July 1 and ending June 30 or any other year if requested by the utility and approved by the Commission. The Commission shall approve the request unless it finds that to do so would seriously affect the administration of the automatic adjustment reporting program.

The Company has attached the Auditor's Report in Exhibit 10.

8. ANNUAL FIVE-YEAR PROJECTION

7825.2830 ANNUAL FIVE-YEAR PROJECTION.

By September 1 of each year, each gas utility shall submit to the commission a brief statement of its opinion on the impact of market forces on gas costs for the coming year.

8.1. Market Forces Impact on Pricing for the Coming Year

CenterPoint Energy included a detailed outlook in its 2020 Gas Supply Plan filed – Compliance filing to Financial Hedging Variance. The Plan contains a complete Natural Gas Market Outlook Report (Market Outlook) dated April 13, 2020, prepared by CenterPoint Energy's Strategic Planning Group. The Report is based on review of several industry and government sources and represents CenterPoint Energy's view of near and long-term supply, demand, and pricing of natural gas. Please see attached Natural Gas Market Outlook Report. (Exhibit 11)

8.2. CenterPoint Energy's Portfolio planning for 2019-2020 Period

CenterPoint Energy filed its detailed Gas Supply Plan for the 2019-2020 Heating Season on June 19, 2020 in Docket No. G-008/M-19-699 as a compliance filing. The Company included *SENDOUT*® information on this same date, as required in the previous financial instruments docket (Order issued in Docket No. G-008/M-12-166). The Company summarizes the plan below.

The goal of price stability remains a key objective of the 2020-2021 Winter Plan. CenterPoint Energy is again focused this year on maximizing protection from costs rising above reasonable levels, while minimizing the cost of that protection. This year's Plan shows hedging of purchased gas of 23.0 Bcf. The maximum volumes available to CenterPoint Energy for stabilization are 52.0 Bcf, including 29.0 Bcf of storage gas and the 23.0 Bcf of hedged gas purchases. To validate the assumption that hedging at this level would not provide unreasonable costs and to determine the product mix for these volumes, CenterPoint Energy used its *SENDOUT*® optimization software to generate simulated portfolio results under 1,500 different price scenarios. The cost results under these scenarios were used to support the decision on hedge level.

CenterPoint Energy also uses the *SENDOUT*® Model to assess the mix of products used in its hedge portfolio, as well as the level of volumes to hedge. CenterPoint's results indicated an optimal plan should approximate the following product mix:

- Call Option 6.9 Bcf
- Collar Option 16.1 Bcf
- Fixed Price/Storage Option 26.8 Bcf

For purposes of meeting the above mix, CenterPoint Energy considers storage gas as fixed price because the final average cost is fixed through the winter period; therefore, Fixed Price Option is made up entirely of storage gas withdrawals planned for winter. The table below shows a

comparison of this year's Plan to last years.

Table 10

Purchases	2020-2021 Winter Plan		2019-2020 Winter Plan		% Change
	DTH	Percent	DTH	Percent	
Baseload - Hedged	23,000,000	22.0%	23,000,000	23.0%	-0.9%
Baseload - Index Price	21,050,000	20.2%	17,190,000	17.2%	3.0%
Daily/Swing Supply	33,339,302	32.0%	32,888,033	32.8%	-0.9%
Storage Supply	26,872,151	25.8%	26,832,310	26.8%	-1.0%
Peaking Supply (LNG/Propane)	75,123	0.1%	226,097	0.2%	-0.2%
Total System Purchases	104,336,576	100.0%	100,136,440	100.0%	
Transports (3rd Party)	18,120,000	14.8%	18,120,000	15.3%	
Total System Supply	122,456,576		118,256,440		
	DTH	Percent	DTH	Percent	
Total Price Stabilization	49,872,151	48%	49,832,310	50%	

8.3. Hedge Implementation

The plan for the portfolio of products for the 2020-2021 winter volumes is to purchase price hedges through numerous RFP's. Although a preliminary schedule for purchasing hedged gas is developed, the final timing and volume level for each bid is subject to change, which allows more flexibility to react to a changing marketplace. CenterPoint Energy anticipates re-evaluating its supply portfolio prior to the onset of winter, utilizing optimization software again, if winter price expectations change significantly. If the optimization modeling suggests a significantly different mix of products than we have outlined above, then we would consider adjusting our portfolio structure, such as increasing fixed price purchases if winter-month futures prices fall significantly. CenterPoint Energy re-runs its probability distribution for forward pricing just prior to each hedge RFP in order to price products at the appropriate level. For example, if an RFP is being sent out for a Call Option on winter gas, revised *SENDOUT*® results using current futures pricing and current market volatility would be used to set the strike price desired from the RFP bids.

9. ANNUAL NOTICE OF REPORTS

7825.2840 ANNUAL NOTICE OF REPORTS AVAILABILITY.

By September 1 of each year, all gas and electric utilities shall provide notice of the availability of the reports defined in parts 7825.2800 to 7825.2830 to all intervenors in the previous two general rate cases.

The notice detailed below was sent to parties on the attached service list requesting paper service. Those requesting electronic service will, via Edockets, receive the entire filing.

September 1, 2020

Re: CenterPoint Energy's Annual Notice of Report Availability

PLEASE TAKE NOTICE that on September 1, 2020, CenterPoint Energy filed its Annual Automatic Adjustment Report with the Minnesota Public Utilities Commission. A summary of the filing is included. 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, via Edockets or from CenterPoint Energy by contacting Donald Wynia.

This Notice is required per Minnesota Rule part 7825.2840.

If you have any questions, please contact Donald Wynia at (612) 321-4677 or Donald.Wynia@CenterPointEnergy.com.

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STATE OF MINNESOTA
BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION
121 Seventh Place East, Suite 350
St. Paul, MN 55101-2147

Katie Sieben
Valerie Means
Matt Schuerger
Joseph Sullivan
John Tuma

Chair
Commissioner
Commissioner
Commissioner
Commissioner

**Annual Automatic Adjustment
Report - CenterPoint Energy Minnesota Gas**

Docket No. G-999/AA-19-401
Summary Required in Minn. R.
7829.1300, subp. 1

The Annual Automatic Adjustment Report summarizes CenterPoint Energy's policies and procedures concerning its purchases of natural gas. This filing compares the cost of gas incurred and the cost of gas recovered in billing rates for the twelve-month period ended June 30, 2020.

	Residential	Com-A & Com/Ind B	Commercial & Industrial-C	Large General Service		Small Volume Dual Fuel	Large Volume Dual Fuel
				Commodity	Demand		
Subpart 1.A.							
Commission Approved Base Cost of Gas/Therm							
(1) July 1, 2019 - December 31, 2019	0.40410	0.40410	0.40410	0.32426	0.56090	0.32426	0.32426
(2) January 1, 2020 - June 30, 2020	0.40159	0.40159	0.40159	0.30026	0.70104	0.30026	0.30026
Subpart 1.B.							
Billing Adjustments per Therm							
July 1, 2019	(0.07488)	(0.07488)	(0.07488)	(0.09203)	0.05315	(0.09685)	(0.09470)
August 1, 2019	(0.07488)	(0.07488)	(0.07488)	(0.09203)	0.05315	(0.09685)	(0.09470)
September 1, 2019	(0.12017)	(0.12017)	(0.12017)	(0.13138)	0.05315	(0.12833)	(0.12245)
October 1, 2019	(0.10025)	(0.10025)	(0.10025)	(0.12108)	0.05315	(0.11803)	(0.11215)
November 1, 2019	(0.02806)	(0.02806)	(0.02806)	(0.03931)	0.20698	(0.03626)	(0.03038)
December 1, 2019	0.00528	0.00528	0.00528	(0.00051)	0.20698	0.00254	0.00842
January 1, 2020	(0.00201)	(0.00201)	(0.00201)	0.00422	0.08686	0.00727	0.01315
February 1, 2020	0.00561	0.00561	0.00561	(0.04274)	0.08686	(0.03969)	(0.03381)
March 1, 2020	(0.08085)	(0.08085)	(0.08085)	(0.09139)	0.07816	(0.08834)	(0.08246)
April 1, 2020	(0.09828)	(0.09828)	(0.09828)	(0.15124)	0.07816	(0.14819)	(0.14231)
May 1, 2020	(0.06762)	(0.06762)	(0.06762)	(0.12058)	0.07816	(0.11753)	(0.11165)
June 1, 2020	(0.01142)	(0.01142)	(0.01142)	(0.13187)	0.04426	(0.12882)	(0.12294)

Annual Purchased Gas True-Up (GCR) Effective: 09/01/2020	(\$0.00565)	(\$0.00565)	(\$0.00565)	\$0.00160		(\$0.00697)	(\$0.00239)
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Current GCR (2019-2020) Difference	\$0.00134	\$0.00134	\$0.00134	(\$0.00249)		0.00560	0.00644
	(0.00699)	(0.00699)	(0.00699)	0.00409		(0.01257)	(0.00883)

(1) - Base Gas Cost Approved in Docket No. G-008/MR-18-374 - November 13, 2019
 (2) - Base Gas Cost Approved in Docket No. G-008/MR-19-525 - December 18, 2019

Summary of Gas Costs Incurred and Gas Costs Recovered

Gas Costs Incurred

	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Total
Line No.													
1 Commodity	\$6,143,890	\$5,699,491	\$6,279,881	\$20,824,919	\$44,806,493	\$60,860,921	\$64,812,951	\$52,239,306	\$30,114,942	\$15,140,290	\$8,796,567	\$5,078,809	\$320,798,461
2 Demand	\$2,025,708	\$2,646,397	\$2,369,138	\$2,367,396	\$17,031,003	\$20,708,821	\$25,832,552	\$23,252,270	\$21,016,609	\$3,697,636	\$2,427,135	\$3,462,021	\$126,836,686
3 Propane	(\$17,545)	(\$469)	(\$12,826)	(\$21,794)	(\$25,349)	\$3,148	(\$7,736)	\$177,417	\$9,602	\$32,578	\$14,069	\$11,564	\$162,659
4 Total	\$8,152,053	\$8,345,420	\$8,636,193	\$23,170,521	\$61,812,147	\$81,572,890	\$90,637,767	\$75,668,992	\$51,141,153	\$18,870,504	\$11,237,772	\$8,552,394	\$447,797,806

Gas Costs Recovered in Billing Rates

	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Total	Difference
Line No.														
5 Commodity	\$6,731,232	\$5,913,958	\$5,520,664	\$12,079,845	\$27,741,418	\$55,230,983	\$71,382,745	\$58,500,585	\$44,402,026	\$23,391,240	\$12,181,547	\$7,356,614	\$330,432,858	\$9,634,397
6 Demand	\$2,205,211	\$2,025,257	\$1,984,568	\$3,833,824	\$8,944,115	\$14,157,511	\$17,700,887	\$20,742,975	\$22,426,827	\$13,998,439	\$10,037,852	\$4,967,386	\$123,024,851	(\$3,811,835)
7 Propane	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$162,659)
8 Total	\$8,936,443	\$7,939,215	\$7,505,231	\$15,913,669	\$36,685,533	\$69,388,494	\$89,083,632	\$79,243,560	\$66,828,853	\$37,389,678	\$22,219,399	\$12,324,001	\$453,457,709	\$5,659,903
Over/(Under)														
9 Recovery (Included In MOU)	\$784,390	(\$406,205)	(\$1,130,962)	(\$7,256,853)	(\$25,126,614)	(\$12,184,396)	(\$1,554,135)	\$3,574,568	\$15,687,700	\$18,519,175	\$10,981,628	\$3,771,607	\$5,659,903	1.3%
Differences:														
10 Commodity	\$587,342	\$214,466	(\$759,217)	(\$8,745,074)	(\$17,065,075)	(\$5,629,937)	\$6,569,794	\$6,261,279	\$14,287,084	\$8,250,949	\$3,384,980	\$2,277,805	\$9,634,397	3.0%
11 Demand/Propane	\$197,048	(\$620,671)	(\$371,744)	\$1,488,222	(\$8,061,539)	(\$6,554,458)	(\$8,123,929)	(\$2,686,712)	\$1,400,616	\$10,268,225	\$7,596,648	\$1,493,801	(\$3,974,494)	-3.1%

Annual Credits	\$954,735
Prior Period Balance	\$528,607
NET True-Up	\$7,143,246
	1.6%

Distribution of Over/Under Recovery by class

Line No.	Cost by Class	Total Cost Recovered (pages 5 and 6)	Cost Incurred (page 3)	Over/Under Recovery (to page 11)	
Residential					
1	Commodity Costs	\$186,035,721	\$180,902,037	\$5,133,683	2.8%
2	Demand Costs	\$77,265,223	\$79,401,961	(\$2,136,737)	-2.7%
3	Propane Costs	\$0	\$101,827	(\$101,827)	-100.0%
4	Total Over/(Under)	\$263,300,944	\$260,405,825	\$2,895,119	1.1%
Com-A and Com/Ind-B					
5	Commodity Costs	\$21,031,021	\$20,362,842	\$668,179	3.3%
6	Demand Costs	\$8,509,186	\$8,782,054	(\$272,867)	-3.1%
7	Propane Costs	\$0	\$11,262	(\$11,262)	-100.0%
8	Total Over/(Under)	\$29,540,208	\$29,156,158	\$384,049	1.3%
Com/Ind C					
9	Commodity Costs	\$89,010,798	\$85,731,583	\$3,279,215	3.8%
10	Demand Costs	\$36,646,801	\$37,962,600	(\$1,315,799)	-3.5%
11	Propane Costs	\$0	\$48,684	(\$48,684)	-100.0%
12	Total Over/(Under)	\$125,657,599	\$123,742,867	\$1,914,732	1.5%
Large General Service					
13	Commodity Costs	\$2,503,862	\$2,479,701	\$24,160	1.0%
14	Demand Costs	\$603,640	\$690,072	(\$86,431)	-12.5%
15	Propane Costs	\$0	\$885	(\$885)	-100.0%
16	Total Over/(Under)	\$3,107,502	\$3,170,658	(\$63,156)	-2.0%
Small Volume Dual Fuel					
17	Commodity Costs	\$16,858,843	\$16,454,668	\$404,175	2.5%
18	Demand Costs	\$0	\$0	\$0	0.0%
19	Propane Costs	\$0	\$0	\$0	0.0%
20	Total Over/(Under)	\$16,858,843	\$16,454,668	\$404,175	2.5%
Large Volume Dual Fuel					
21	Commodity Costs	\$14,992,613	\$14,867,629	\$124,984	0.8%
22	Demand Costs	\$0	\$0	\$0	0.0%
23	Propane Costs	\$0	\$0	\$0	0.0%
24	Total Over/(Under)	\$14,992,613	\$14,867,629	\$124,984	0.8%
TOTAL					
25	Commodity Costs	\$330,432,858	\$320,798,461	\$9,634,397	3.0%
26	Demand Costs	\$123,024,851	\$126,836,686	(\$3,811,835)	-3.0%
27	Propane Costs	\$0	\$162,659	(\$162,659)	-100.0%
28	Total Over/(Under)	\$453,457,709	\$447,797,806	\$5,659,903	1.3%

Note: Base propane rate is incorporated with the demand cost recovery rate.

Line Explanation:

Lines 1,5,9,13,17,21, 25

Lines 2,3,6,7,10,11,14,15,18,19,
22,23,26, and 27

Lines 4,8,12,16,20, 24 and 28

Commodity costs incurred and recovered from pages 4 & 5

Demand and propane costs recovered from page 6

Demand and propane costs incurred from page 3

Sum Total by class

Twelve-Month Gas Cost Reconciliation Factor (GCR)

Line No.	Com-A			Small	Large	FIRM	Small	Large	Total
	Residential Firm	Com/Ind-B Firm	Com/Ind-C Firm	Firm	General Service		Volume Dual Fuel	Volume Dual Fuel	
1	\$5,133,683	\$668,179	\$3,279,215	\$9,081,078	\$24,160	\$9,105,238	\$404,175	\$124,984	\$9,634,397
2	(\$2,238,565)	(\$284,130)	(\$1,364,483)	(\$3,887,177)	(\$87,316)	(\$3,974,494)	\$0	\$0	(\$3,974,494)
3									
4	\$2,895,119	\$384,049	\$1,914,732	\$5,193,900	(\$63,156)	\$5,130,744	\$404,175	\$124,984	\$5,659,903
5	\$595,804	(\$2,489,022)	\$2,510,249	\$617,031	\$12,867	\$629,898	\$23,801	(\$4,500)	\$649,199
6	<u>Other Adjustments</u>								
7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	\$412,292	\$45,567	\$196,482	\$654,341	\$5,947	\$660,288	\$38,175	\$35,935	\$734,398
9	\$112,815	\$12,468	\$53,763	\$179,046	\$1,627	\$180,673	\$10,446	\$9,833	\$200,952
10	\$10,883	\$1,203	\$5,186	\$17,272	\$157	\$17,429	\$1,008	\$949	\$19,385
11	\$4,026,912	(\$2,045,735)	\$4,680,413	\$6,661,590	(\$42,558)	\$6,619,032	\$477,604	\$167,201	\$7,263,838
12	Sales in Dekatherms								
13	72,450,155	8,384,296	37,060,446	117,894,897	2,664,165		6,853,112	6,995,812	134,407,986
14				(\$0.0565)	\$0.0160		(\$0.0697)	(\$0.0239)	

NOTES:

- 1 Commodity Cost Over/(Under) recovery (from page 7)
- 2 Demand Cost Over/(Under) recovery (from page 7)
- 4 Current Year Gas Cost Balance (sum of lines 1 and 2)
- 5 Previous year GCR balance thru 8-2020 (July/Aug Estimated) - from page 8
- 6 Other Adjustments
- 7 Curtailment credits - see page 12
- 8 Balancing credits - see page 12
- 9 Off System Sales - See allocation detail on page 13
- 10 Gas Loss Damage - see Exhibit 9, CPE filing for Docket G-999/AA-20-172
- 11 Sum of Lines 4 - 10
- 12,13 Sales volume estimates - Uses 2019 Rate Case Regression Models - output Sept 2020 to August 2021
- 14 Line 11 divided by Line 13 - change sign to indicate surcharge of under recovery or credit for over recovery

DEMAND COST ADJUSTMENT

Compliance Information: Docket Nos. G-008/M-00-980, G-008/M-03-782 and G-008/M-05-1196, G-008/M-07-1063, G008/M-10-857, G008/M-13-728, G008/M-19-342

In this program, CenterPoint Energy proposed to reduce the over/under recovery of demand costs due to actual sales varying from normal sales (primarily due to weather) during the current gas year by making adjustments to the demand cost recovery rate during the months of October through May. In compliance with the Commission's Order, CenterPoint Energy is to provide in its AAA report a summary of what the total annual demand cost recovery for the company would have been, absent the Demand Adjustment, what the total amount of the Demand Adjustment collected was, and the total amount of demand costs that will be trued-up. The analysis below was developed by the DOC in Docket No. G-008/M-05-1196. In Docket No. G-008/M-07-1063, an additional adjustment designed to reflect changes in recovery of demand costs other than weather related adjustments was approved. **This method was not used since 2013-2014, other model (Ex. 4) was authorized.**

	(a) Calendar Month Demand Recovery Rate without Adj. 2/	(b) Calendar Month Demand Recovery Rate with Adj. 2a/	(c) Calendar Firm Sales Therms 3/	(d) axc Recovery without Adjustment	(e) bxc Recovery with Adjustment	(f) Actual Monthly Demand Costs with propane 4/	(g) Over(Under) without Adjustment	(h) Over(Under) with Adjustment	(i) Over(Under) without Adjustment %	(j) Over(Under) with Adjustment %
Jul. 2019	0.08722	0.08722	19,471,650	\$1,698,317	\$1,698,317	\$2,008,163	(\$309,846)	(\$309,846)	-15.4%	-15.4%
Aug.	0.08722	0.08722	24,249,020	\$2,115,000	\$2,115,000	\$2,645,928	(\$530,929)	(\$530,929)	-20.1%	-20.1%
Sep.	0.08722	0.08722	28,657,910	\$2,499,543	\$2,499,543	\$2,356,312	\$143,231	\$143,231	6.1%	6.1%
Oct.	0.08722	0.10190	81,577,800	\$7,115,216	\$8,313,159	\$2,345,602	\$4,769,614	\$5,967,557	203.3%	254.4%
Nov.	0.10907	0.11441	154,892,630	\$16,894,139	\$17,721,728	\$17,005,654	(\$111,515)	\$716,074	-0.7%	4.2%
Dec.	0.10907	0.08180	166,496,800	\$18,159,806	\$13,619,438	\$20,711,969	(\$2,552,163)	(\$7,092,531)	-12.3%	-34.2%
Jan. 2020	0.12170	0.09128	204,800,300	\$24,924,197	\$18,693,147	\$25,824,816	(\$900,619)	(\$7,131,668)	-3.5%	-27.6%
Feb.	0.12170	0.09128	182,928,408	\$22,262,387	\$16,696,790	\$23,429,687	(\$1,167,299)	(\$6,732,896)	-5.0%	-28.7%
Mar.	0.12037	0.09028	128,602,284	\$15,479,857	\$11,609,893	\$21,026,211	(\$5,546,354)	(\$9,416,318)	-26.4%	-44.8%
Apr.	0.12037	0.12469	111,793,570	\$13,456,592	\$13,940,054	\$3,730,213	\$9,726,379	\$10,209,841	260.7%	273.7%
May	0.12037	0.15046	25,723,640	\$3,096,355	\$3,870,443	\$2,441,204	\$655,150	\$1,429,239	26.8%	58.5%
Jun.	0.12037	0.12037	<u>25,715,300</u>	<u>\$3,095,351</u>	<u>\$3,095,351</u>	<u>\$3,473,585</u>	<u>(\$378,234)</u>	<u>(\$378,234)</u>	-10.9%	-10.9%
Total			1,154,909,312	\$130,796,759	\$113,872,863	\$126,999,345	\$3,797,414	(\$13,126,481) <u>1/</u>	3.0%	-10.3%
Wtd. Ave. Rate				\$0.11325	\$0.09860	\$0.10996				
Subtotal Oct.-May				\$121,388,548	\$104,464,653	\$116,515,356	\$4,873,192	(\$12,050,703)	4.2%	-10.3%
Subtotal Jul.-Sep. and June				\$9,408,210	\$9,408,210	\$10,483,988	(\$1,075,778)	(\$1,075,778)	-10.3%	-10.3%

1/ Since the over-recovery without the Demand Adjustment is calculated by applying unadjusted calendar month rates to monthly sales volumes, the Under-recovery with the Demand Adjustment as shown here for comparative purposes is based on calendar month adjusted demand rates.(i.e., Col.(b)). This produces a different over/(under)-recovery, which reflects prorated monthly adjusted demand rates and cycle sales.

2/, 2a/ From Schedule D of CenterPoint Energy's PGA filings. - adjusted all months, including Oct - Dec which did not have authority

3/ Calendar sales from Company reports

4/ See page 1 of CenterPoint Energy's true-up filing.

Summary:	Estimated under recovery with the adjustment:	(\$13,126,481)
	Estimated over recovery without the adjustment:	\$3,797,414

NO LAG / Estimate sales current month

Compliance Information: Docket No. G-008/M-07-1063, Docket No. G-008/M-10-857, Docket No. G-008/M-13-728, and Docket No. G-008/M-19-342

On December 11, 2013, the PUC approved CenterPoint Energy's request to continue implementing the Demand Cost Adjustment. As part of its Order, the PUC required CNP to compare and adjustment with and without a one-month lag, and comparing calculations with and without a mid-year monthly demand adjustment and the effect on demand cost recovery.

The summary below is the analysis when the one-month lag is removed. **THIS IS THE CURRENTLY APPROVED METHOD.**

	(a) Calendar Month Demand Recovery Rate without Adj. 1/	(b) Calendar Month Demand Recovery Rate with Adj. 2/	(c) Calendar Firm Sales Therms 3/	(d) a x c Recovery without Adjustment	(e) b x c Recovery with Adjustment	(f) Actual Monthly Demand Costs with propane 4/	(g) Over(Under) without Adjustment	(h) Over(Under) with Adjustment	(i) Over(Under) without Adjustment %	(j) Over(Under) with Adjustment %
Jul.2019	0.08722	0.08722	19,471,650	\$1,698,317	\$1,698,317	\$2,008,163	(\$309,846)	(\$309,846)	-15.4%	-15.4%
Aug.	0.08722	0.08722	24,249,020	\$2,115,000	\$2,115,000	\$2,645,928	(\$530,929)	(\$530,929)	-20.1%	-20.1%
Sep.	0.08722	0.08722	28,657,910	\$2,499,543	\$2,499,543	\$2,356,312	\$143,231	\$143,231	6.1%	6.1%
Oct.	0.08722	0.09684	81,577,800	\$7,115,216	\$7,899,891	\$2,345,602	\$4,769,614	\$5,554,289	203.3%	236.8%
Nov.	0.10907	0.08727	154,892,630	\$16,894,139	\$13,516,705	\$17,005,654	(\$111,515)	(\$3,488,949)	-0.7%	-20.5%
Dec.	0.10907	0.08180	166,496,800	\$18,159,806	\$13,619,438	\$20,711,969	(\$2,552,163)	(\$7,092,531)	-12.3%	-34.2%
Jan.2020	0.12170	0.09128	204,800,300	\$24,924,197	\$18,693,147	\$25,824,816	(\$900,619)	(\$7,131,668)	-3.5%	-27.6%
Feb.	0.12170	0.09128	182,928,408	\$22,262,387	\$16,696,790	\$23,429,687	(\$1,167,299)	(\$6,732,896)	-5.0%	-28.7%
Mar.	0.12037	0.10804	128,602,284	\$15,479,857	\$13,894,769	\$21,026,211	(\$5,546,354)	(\$7,131,442)	-26.4%	-33.9%
Apr.	0.12037	0.15046	111,793,570	\$13,456,592	\$16,820,740	\$3,730,213	\$9,726,379	\$13,090,527	260.7%	350.9%
May	0.12037	0.15046	25,723,640	\$3,096,355	\$3,870,443	\$2,441,204	\$655,150	\$1,429,239	26.8%	58.5%
Jun.	0.12037	0.12037	<u>25,715,300</u>	<u>\$3,095,351</u>	<u>\$3,095,351</u>	<u>\$3,473,585</u>	(\$378,234)	(\$378,234)	-10.9%	-10.9%
Total			1,154,909,312	\$130,796,759	\$114,420,136	\$126,999,345	\$3,797,414	(\$12,579,209)	3.0%	-9.9%
Wtd. Ave. Rate				\$0.11325	\$0.09907	\$0.10996				
Subtotal Oct.-May				\$121,388,548	\$105,011,925	\$116,515,356	\$4,873,192	(\$11,503,431)	4.2%	-9.9%
Subtotal Jul.-Sep. and June				\$9,408,210	\$9,408,210	\$10,483,988	(\$1,075,778)	(\$1,075,778)	-10.3%	-10.3%

- 1/ From Schedule D of CenterPoint Energy's PGA filings - rate without adjustment
- 2/ Recovery rate with adjustment
- 3/ Calendar sales from Company reports.
- 4/ See page 1 of CenterPoint Energy's true-up filing. (Demand + Propane)

Summary:	Estimated under recovery with the adjustment:	(\$12,579,209)
	Estimated over recovery without the adjustment:	\$3,797,414
Summary:	Estimated over recovery without the one-month lag adjustment:	\$3,797,414
	Estimated under recovery with the one-month lag adjustment:	(\$13,126,481) See Exhibit 3
<p>The No-lag method better matched the actual costs than the lagged calculation this heating season, since the absolute value of the difference is smaller for the method demonstrated in Exhibit 4.</p>		

Interstate Pipeline Penalties

	NNG/Viking Volume(DT)	NNG/Viking Imbal Penalties	NNG Credit	Viking Credit
Jul-19	24,961	\$2,424		
Aug-19	918	\$32		
Sep-19	1,693	\$59		
Oct-19	6,731	\$334		
Nov-19	65,890	\$14,311		
Dec-19	33,349	\$5,707		
Jan-20	21,463	\$1,012	(\$422,853)	
Feb-20	19,746	\$685		
Mar-20	19,856	\$3,209		
Apr-20	30,255	\$7,543		
May-20	17,752	\$3,543		
Jun-20	4,079	\$143		
	246,693	\$39,003	(\$422,853)	\$0

* Pursuant to NNG's latest FERC approved rate case, NNG will return DDVC charges collected from all companies once a year. This is CenterPoint Energy's share.

Capacity Release Credits

	<u>Credits</u>
Jul-19	\$55,366
Aug-19	\$55,366
Sep-19	\$55,366
Oct-19	\$0
Nov-19	\$0
Dec-19	\$0
Jan-20	\$0
Feb-20	\$0
Mar-20	\$0
Apr-20	\$0
May-20	\$0
Jun-20	\$0
	\$166,099

The monthly capacity release revenues are credited to Demand costs for the calculation of the over/under recovery of gas costs. Capacity release credits are booked to FERC Account 805.

COMPLIANCE REPORT - Docket No. G-008/M-19-699

In this Docket CenterPoint Energy was granted a four-year variance to recover the costs associated with certain financial instruments through the Purchased Gas Adjustment.

CenterPoint Energy is required to report information concerning its contracts in its Automatic Adjustment Report. This Information is outlined below:

Responses:

Data on the specifics of any price hedging contracts, including a list of each hedging instrument entered into, the total Dkt contracted for, for each instrument and the net gain or loss, including all transaction costs.

CenterPoint Energy Minnesota Gas
 Hedged Gas Contracts
 July 2019 - June 2020

Purchase Date	Name	Term Dates	Volumes
	[Trade Secret Data Begins...]		
	EMBEDDED FINANCIAL OPTIONS - COSTLESS COLLAR		
	Collars:		
	Call Options:		
	FIXED PRICE GAS		
	PURCHASED FINANCIAL OPTIONS - COSTLESS COLLAR		
	PURCHASED FINANCIAL OPTIONS - CALL OPTIONS		
	...Trade Secret Data Ends]		
		Total	23,082,500

- uses DOC AAA IR #1 format to calculate annual bill
- uses actual Use-Per Customer
- uses PGA rate estimates
- Without Hedging estimate replaces hedged purchases with First-of-Month pricing
- low bills assume use-per-customer at 80% of Average, High bills are 120% of Average

(a)	PGA w/ Hedge (assumes normal weather purchases)			Actual COST W/Hedge Average (e)	PGA Without Hedges (assumes normal weather purchases)			Difference (i=c-e)	Difference: Cost			% Premium		
	Low (b)	Average (c)	High (d)		Low (f)	Average (g)	High (h)		Low (j=b-f)	Average (k=c-g)	High (l=d-h)	Low	Average	High
Residential	\$537.38	\$641.27	\$745.17	\$707.58	\$536.74	\$640.47	\$744.21	(\$66.31)	\$0.64	\$0.80	\$0.96	0.1%	0.1%	0.1%
C - A	\$569.91	\$664.30	\$758.68	\$731.58	\$569.13	\$663.32	\$757.52	(\$67.28)	\$0.78	\$0.97	\$1.17	0.1%	0.1%	0.2%
C/I - B	\$1,516.91	\$1,828.81	\$2,140.72	\$2,054.40	\$1,514.34	\$1,825.61	\$2,136.87	(\$225.59)	\$2.56	\$3.21	\$3.85	0.2%	0.2%	0.2%
C/I - C	\$7,455.72	\$9,167.38	\$10,879.05	\$10,337.33		\$9,152.06		(\$1,169.95)		\$15.32			0.2%	
Large General Service	\$64,095.70	\$94,033.25	\$106,929.54	\$103,091.25										
Small Dual Fuel - A	\$13,675.21	\$16,916.11	\$20,157.02	\$19,907.42		\$16,878.50				\$37.62			0.2%	
Small Dual Fuel - B	\$45,269.49	\$56,303.18	\$67,336.87	\$65,297.62		\$56,196.90				\$106.27			0.2%	
Large Dual Fuel	\$84,803.82	\$103,119.82	\$121,435.83	\$116,666.88		\$102,985.71				\$134.11			0.1%	

CATASTROPHIC ESTIMATE:

- Assumes Market Commodity Price rises to \$5.98 all winter
- leaves Storage Gas cost unchanged.
- does not assume any change in actual average volume used

(a)	PGA w/ Hedge			(e)	PGA Without Hedges			(i=c-e)	Difference: Cost			% Saving		
	Low (b)	Average (c)	High (d)		Low (f)	Average (g)	High (h)		Low (j=b-f)	Average (k=c-g)	High (l=d-h)	Low	Average	High
Residential	\$538.07	\$642.14	\$746.21		\$536.74	\$640.47	\$744.21		\$1.34	\$1.67	\$2.00	0.2%	0.3%	0.3%
C - A	\$570.60	\$665.16	\$759.72		\$569.13	\$663.32	\$757.52		\$1.47	\$1.84	\$2.21	0.3%	0.3%	0.3%
C/I - B	\$1,519.20	\$1,831.67	\$2,144.15		\$1,514.34	\$1,825.61	\$2,136.87		\$4.85	\$6.07	\$7.28	0.3%	0.3%	0.3%
C/I - C		\$9,183.67				\$9,152.06				\$31.61			0.3%	
Large General Service														
Small Dual Fuel - A		\$16,955.91				\$16,878.50				\$77.41			0.5%	
Small Dual Fuel - B		\$56,443.39				\$56,196.90				\$246.49			0.4%	
Large Dual Fuel		\$103,324.12				\$102,985.71				\$338.42			0.3%	

Trans. Date	Date of Invoice	Event Date	Claim Number	Claimant Full Name	Damage Address	LUGF (MCF)	Gas Rate / (MCF)	Gas Loss Expense	Total Invoice	Check Amount
Jul-19	6/12/2018	5/21/2018	[Trade Secret Data Begins...			0.429	2.5792	\$ 1.11	\$ 1,250.02	\$ 111.52
Jul-19	7/5/2018	6/13/2018				1.938	2.5792	\$ 5.00	\$ 815.72	\$ 905.45
Jul-19	8/8/2018	6/27/2018				1.594739548256	2.5792	\$ 4.11	\$ 504.36	\$ 559.84
Jul-19	9/28/2018	9/6/2018						\$ -	\$ 437.76	\$ 485.91
Jul-19	10/3/2018	9/14/2018				430	2.80	\$ 1.20	\$ 700.53	\$ 777.59
Jul-19	11/7/2018	9/13/2018						\$ -	\$ 543.44	\$ 603.22
Jul-19	12/5/2018	10/30/2018				10.299	2.8937	\$ 29.80	\$ 1,914.34	\$ 1,806.18
Jul-19	3/26/2019	3/12/2019						\$ -	\$ 907.72	\$ 1,007.57
Jul-19	4/26/2019	3/15/2019				65.172	3.0421	\$ 198.26	\$ 3,330.65	\$ 3,327.32
Jul-19	5/8/2019	3/14/2019						\$ -	\$ 1,720.93	\$ 1,760.93
Jul-19	5/14/2019	4/25/2019						\$ -	\$ 254.76	\$ 282.78
Jul-19	6/12/2019	3/19/2019						\$ -	\$ 2,742.66	\$ 2,742.66
Jul-19	6/3/2019	4/18/2019						\$ -	\$ 609.28	\$ 676.30
Jul-19	6/26/2019	5/15/2019				10.748	2.6303	\$ 28.27	\$ 548.00	\$ 548.00
Jul-19	11/4/2015	8/22/2015						\$ -	\$ 851.44	\$ 50.00
Jul-19	10/23/2017	8/11/2017				405.720	2.81	\$ 1,140.07	\$ 3,771.61	\$ 4,015.88
Jul-19	6/18/2018	5/28/2018				35.276	2.4132	\$ 85.13	\$ 1,056.33	\$ 97.72
Jul-19	8/10/2018	7/5/2018				1.028227307412	2.7083	\$ 2.78	\$ 1,741.32	\$ 1,932.87
Jul-19	8/27/2018	8/2/2018				0.540159238091	2.7399	\$ 1.48	\$ 834.99	\$ 926.84
Jul-19	8/27/2018	8/2/2018				0.857226155931	2.7399	\$ 2.35	\$ 858.68	\$ 953.13
Jul-19	10/3/2018	8/10/2018				1.707	2.7399	\$ 4.68	\$ 1,098.65	\$ 1,219.50
Jul-19	11/19/2018	9/21/2018						\$ -	\$ 2,082.81	\$ 1,902.11
Jul-19	12/10/2018	11/18/2018				4.488	3.4556	\$ 15.51	\$ 822.84	\$ 100.00
Jul-19	1/23/2019	1/3/2019				0.334	4.4871	\$ 1.50	\$ 864.58	\$ 959.68
Jul-19	4/1/2019	3/14/2019						\$ -	\$ 275.46	\$ 275.18
Jul-19	4/15/2019	3/9/2019						\$ -	\$ 217.53	\$ 25.00
Jul-19	4/15/2019	3/27/2019						\$ -	\$ 275.46	\$ 305.76
Jul-19	5/13/2019	4/22/2019						\$ -	\$ 325.25	\$ 361.03
Jul-19	6/3/2019	4/19/2019				2.575	2.6303	\$ 6.77	\$ 695.54	\$ 152.90
Jul-19	6/3/2019	4/25/2019						\$ -	\$ 1,130.01	\$ 1,191.60
Jul-19	6/3/2019	5/2/2019						\$ -	\$ 722.09	\$ 801.52
Jul-19	6/3/2019	4/23/2019				53.2512968445	2.6303	\$ 140.07	\$ 4,322.02	\$ 4,322.02
Jul-19	4/30/2019	3/20/2019				1.627	3.0421	\$ 4.95	\$ 3,906.83	\$ 3,906.83
Jul-19	5/16/2019	3/29/2019				102.1894936591	3.0421	\$ 310.87	\$ 3,765.81	\$ 3,765.81
Jul-19	7/10/2019	6/6/2019				3.329	2.3629	\$ 7.87	\$ 2,377.13	\$ 2,377.13
Jul-19	9/28/2018	8/28/2018				18.47629409327	2.7399	\$ 50.62	\$ 2,078.34	\$ 2,306.96
Jul-19	10/18/2018	9/1/2018						\$ -	\$ 697.23	\$ 96.00
Jul-19	4/1/2019	3/10/2019						\$ -	\$ 978.61	\$ 1,086.26
Jul-19	4/15/2019	3/9/2019						\$ -	\$ 217.53	\$ 25.00
Jul-19	5/7/2019	2/25/2019						\$ -	\$ 205.42	\$ 228.02
Jul-19	5/15/2019	4/25/2019						\$ -	\$ 373.25	\$ 374.35
Jul-19	5/31/2019	5/3/2019						\$ -	\$ 677.83	\$ 752.39
Jul-19	6/5/2019	5/7/2019				1.273	2.2067	\$ 2.81	\$ 589.36	\$ 654.19
Jul-19	6/10/2019	5/15/2019				2.856	2.2067	\$ 6.30	\$ 956.65	\$ 1,061.88
Jul-19	6/11/2019	5/15/2019				0.637	2.2067	\$ 1.85	\$ 412.21	\$ 457.55
Jul-19	6/14/2019	5/15/2019				2.923	2.2067	\$ 6.45	\$ 826.63	\$ 917.56
Jul-19	6/14/2019	5/16/2019				1.874	2.2067	\$ 4.14	\$ 738.98	\$ 820.27
Jul-19	6/6/2019	5/9/2019				4.566	2.2067	\$ 10.08	\$ 687.17	\$ 687.17
Aug-19	6/27/2019	5/29/2019						\$ -	\$ 508.86	\$ 508.86
Aug-19	6/28/2019	6/5/2019						\$ -	\$ 1,007.61	\$ 1,007.61
Aug-19	11/4/2015	8/22/2015						\$ -	\$ 851.44	\$ 50.00
Aug-19	6/3/2019	4/16/2019						\$ -	\$ 1,362.23	\$ 1,362.23
Aug-19	6/10/2019	5/1/2019						\$ -	\$ 677.77	\$ 677.77
Aug-19	8/1/2019	5/29/2019				3.402	2.2067	\$ 7.51	\$ 2,577.97	\$ 2,577.97
Aug-19	6/27/2019	6/1/2019				0.923	2.3629	\$ 2.18	\$ 862.34	\$ 862.34
Aug-19	1/2/2018	10/16/2017				156.924	2.75	\$ 431.54	\$ 3,932.62	\$ 3,715.43
Aug-19	6/4/2018	5/2/2018				1.916	2.41	\$ 4.62	\$ 714.69	\$ 713.97
Aug-19	6/19/2018	5/29/2018				289	2.41	\$ 0.70	\$ 867.98	\$ 867.11
Aug-19	9/24/2018	8/10/2018						\$ -	\$ 688.12	\$ 100.00
Aug-19	10/18/2018	9/1/2018						\$ -	\$ 697.23	\$ 96.00
Aug-19	11/26/2018	10/12/2018						\$ -	\$ 864.31	\$ 863.44
Aug-19	12/10/2018	11/18/2018				4.488	3.4556	\$ 15.51	\$ 822.84	\$ 100.00
Aug-19	3/27/2019	2/24/2019				0.287	3.0421	\$ 0.87	\$ 2,784.95	\$ 3,091.29
Aug-19	4/5/2019	3/22/2019						\$ -	\$ 2,160.08	\$ 2,397.89
Aug-19	6/3/2019	4/26/2019						\$ -	\$ 562.49	\$ 624.36
Aug-19	6/3/2019	4/29/2019				1.776	2.6303	\$ 4.67	\$ 2,691.21	\$ 2,683.85
Aug-19	6/3/2019	5/2/2019						\$ -	\$ 541.82	\$ 601.42
Aug-19	6/6/2019	5/3/2019						\$ -	\$ 614.17	\$ 681.73
Aug-19	6/10/2019	5/2/2019				12.227	2.2067	\$ 26.98	\$ 3,016.76	\$ 3,348.60
Aug-19	6/12/2019	4/4/2019				0.104	2.6303	\$ 0.27	\$ 454.67	\$ 504.68
Aug-19	6/18/2019	5/10/2019				10.720	2.2067	\$ 23.66	\$ 835.94	\$ 927.89
Aug-19	6/20/2019	4/11/2019				31.5786330931	3.0421	\$ 96.07	\$ 544.94	\$ 604.88
Aug-19	6/25/2019	5/14/2019				2.385	2.6303	\$ 6.27	\$ 1,406.47	\$ 1,561.18
Aug-19	6/26/2019	5/20/2019						\$ -	\$ 557.55	\$ 618.88
Aug-19	6/26/2019	5/21/2019				18.445	2.2067	\$ 40.70	\$ 1,431.07	\$ 1,588.49
Aug-19	6/27/2019	5/23/2019				16.232	2.2067	\$ 35.82	\$ 761.76	\$ 845.55
Aug-19	6/27/2019	6/3/2019						\$ -	\$ 887.07	\$ 886.18
Aug-19	6/28/2019	5/20/2019				111.933	2.3629	\$ 264.49	\$ 1,660.64	\$ 1,843.31
Aug-19	7/9/2019	6/6/2019						\$ -	\$ 1,008.40	\$ 1,007.39
Aug-19	7/10/2019	6/6/2019				71.765	2.3629	\$ 169.57	\$ 1,695.21	\$ 1,881.68
Aug-19	8/8/2019	6/25/2019				43.10633162806	2.2067	\$ 95.12	\$ 2,570.69	\$ 2,570.69
Aug-19	5/31/2018	5/7/2018						\$ -	\$ 558.45	\$ 556.00
Aug-19	8/8/2018	6/28/2018				7.450	2.5792	\$ 19.22	\$ 442.22	\$ 442.01
Aug-19	9/20/2018	8/29/2018				776	2.73	\$ 2.12	\$ 985.67	\$ 984.68
Aug-19	10/4/2018	9/12/2018				214	2.80	\$ 0.60	\$ 1,025.50	\$ 1,049.38
Aug-19	1/21/2019	1/4/2019						\$ -	\$ 1,083.89	\$ 864.23
Aug-19	4/15/2019	3/9/2019						\$ -	\$ 217.53	\$ 25.00
Aug-19	5/9/2019	4/10/2019						\$ -	\$ 658.41	\$ 657.76
Aug-19	5/16/2019	3/28/2019				1.204	3.0421	\$ 3.66	\$ 444.46	\$ 493.35

Aug-19	6/3/2019	4/19/2019				2.575	2.6303	\$	6.77	\$	695.54	\$	152.63
Aug-19	6/25/2019	5/3/2019				215.231	2.2067	\$	474.95	\$	3,902.79	\$	4,332.10
Aug-19	6/26/2019	5/15/2019						\$	-	\$	553.80	\$	614.72
Aug-19	6/26/2019	5/16/2019						\$	-	\$	863.81	\$	958.83
Aug-19	6/27/2019	5/29/2019				5.291	2.2067	\$	11.68	\$	643.63	\$	714.43
Aug-19	6/27/2019	6/3/2019				4.245	2.3629	\$	10.03	\$	965.11	\$	1,071.27
Aug-19	6/28/2019	6/3/2019				3.559	2.3629	\$	8.41	\$	508.53	\$	564.47
Aug-19	6/28/2019	6/4/2019						\$	-	\$	705.36	\$	782.95
Aug-19	7/1/2019	5/26/2019				11.503	2.2067	\$	25.38	\$	2,147.68	\$	2,383.93
Aug-19	7/3/2019	5/24/2019						\$	-	\$	585.88	\$	650.33
Aug-19	7/11/2019	6/5/2019						\$	-	\$	784.56	\$	870.36
Sep-19	7/23/2019	5/21/2019				12.515	2.2067	\$	27.62	\$	839.00	\$	839.00
Sep-19	8/2/2019	5/29/2019						\$	-	\$	170.95	\$	170.95
Sep-19	5/16/2019	4/17/2019						\$	-	\$	2,370.53	\$	2,370.53
Sep-19	7/16/2019	3/26/2019				950.557	3.0421	\$	2,891.69	\$	9,095.31	\$	9,095.31
Sep-19	9/3/2019	5/7/2019						\$	-	\$	914.92	\$	914.92
Sep-19	11/4/2015	8/22/2015						\$	-	\$	851.44	\$	50.00
Sep-19	5/22/2019	4/7/2019				0.531	2.6303	\$	1.40	\$	1,589.00	\$	1,641.94
Sep-19	6/3/2019	4/24/2019						\$	-	\$	444.36	\$	493.23
Sep-19	7/27/2018	6/29/2018				1.31105176789576		\$	-	\$	717.48	\$	796.40
Sep-19	8/2/2018	6/21/2018				3.025504079756	2.5792	\$	7.80	\$	1,176.96	\$	200.00
Sep-19	8/7/2018	5/22/2018				3.211	2.4132	\$	7.75	\$	925.47	\$	1,027.27
Sep-19	8/15/2018	6/6/2018						\$	-	\$	155.07	\$	172.13
Sep-19	8/27/2018	7/23/2018				1.076	2.7083	\$	2.91	\$	1,255.25	\$	1,254.34
Sep-19	10/4/2018	8/21/2018						\$	-	\$	433.31	\$	443.38
Sep-19	10/10/2018	9/10/2018				1.916	2.8022	\$	5.37	\$	2,027.32	\$	1,851.90
Sep-19	10/18/2018	9/1/2018						\$	-	\$	697.23	\$	101.93
Sep-19	11/15/2018	9/11/2018				23.980	2.8022	\$	67.20	\$	10,501.44	\$	9,569.19
Sep-19	12/10/2018	11/18/2018				4.488	3.4556	\$	15.51	\$	822.84	\$	100.00
Sep-19	1/21/2019	10/11/2018						\$	-	\$	4,318.03	\$	4,793.01
Sep-19	1/21/2019	10/13/2018						\$	-	\$	1,225.79	\$	1,254.28
Sep-19	3/19/2019	2/12/2019						\$	-	\$	699.58	\$	776.53
Sep-19	6/24/2019	5/7/2019						\$	-	\$	798.86	\$	886.73
Sep-19	6/25/2019	5/12/2019						\$	-	\$	1,253.32	\$	1,391.19
Sep-19	6/26/2019	5/15/2019				384.748	2.6303	\$	1,012.00	\$	5,933.77	\$	6,159.48
Sep-19	7/9/2019	6/14/2019				1.620	2.3629	\$	3.83	\$	299.75	\$	332.72
Sep-19	7/19/2019	4/10/2019						\$	-	\$	242.17	\$	268.81
Sep-19	7/22/2019	5/16/2019						\$	-	\$	503.58	\$	558.97
Sep-19	7/26/2019	5/20/2019				1.815	2.2067	\$	4.01	\$	1,536.67	\$	1,705.70
Sep-19	7/31/2019	4/20/2019				3.417	2.6303	\$	8.99	\$	179.14	\$	198.85
Sep-19	8/5/2019	4/24/2019						\$	-	\$	596.85	\$	662.50
Oct-19	5/7/2019	4/19/2019				0.283	2.6303	\$	0.74	\$	759.68	\$	693.84
Oct-19	8/20/2019	4/30/2019				5.5649598303	2.6303	\$	14.64	\$	1,008.06	\$	1,118.95
Oct-19	11/16/2018	10/16/2018				.145	2.89	\$	0.42	\$	939.02	\$	825.08
Oct-19	1/28/2019	12/20/2018						\$	-	\$	1,163.94	\$	1,190.99
Oct-19	4/15/2019	3/9/2019						\$	-	\$	217.53	\$	25.00
Oct-19	6/3/2019	4/19/2019				2.575	2.6303	\$	6.77	\$	695.54	\$	159.00
Oct-19	6/3/2019	4/20/2019				11.58008083594	2.6303	\$	30.46	\$	1,543.18	\$	1,450.00
Oct-19	7/3/2019	5/23/2019						\$	-	\$	589.35	\$	654.18
Oct-19	7/29/2019	5/15/2019				7.339	2.2067	\$	16.19	\$	2,058.79	\$	2,285.28
Oct-19	8/6/2019	6/3/2019				0.25212533997	2.3629	\$	0.60	\$	567.05	\$	629.43
Oct-19	8/12/2019	4/25/2019						\$	-	\$	154.10	\$	171.05
Oct-19	8/20/2019	4/30/2019						\$	-	\$	505.79	\$	561.43
Oct-19	8/23/2019	5/5/2019				0.800	2.2067	\$	1.77	\$	2,656.13	\$	2,948.30
Oct-19	8/26/2019	5/6/2019						\$	-	\$	359.95	\$	399.54
Oct-19	7/24/2019	4/29/2019						\$	-	\$	47.82	\$	47.82
Oct-19	7/26/2019	5/20/2019				1.667	2.2067	\$	3.68	\$	533.76	\$	533.76
Oct-19	8/1/2019	5/29/2019				1.709	2.2067	\$	3.77	\$	1,495.83	\$	1,495.83
Oct-19	8/6/2019	6/3/2019				1.468	2.3629	\$	3.47	\$	370.19	\$	370.19
Oct-19	8/9/2019	6/4/2019						\$	-	\$	372.75	\$	372.75
Oct-19	9/6/2019	6/14/2019				0.441	2.3629	\$	0.99	\$	1,630.77	\$	1,630.77
Oct-19	9/30/2019	6/4/2019				197.328	2.3629	\$	466.27	\$	11,101.05	\$	11,101.05
Oct-19	9/6/2019	6/20/2019				0.939	2.3629	\$	2.22	\$	1,124.40	\$	1,124.40
Oct-19	9/27/2018	7/30/2018				1.027	2.7083	\$	2.78	\$	871.30	\$	1,011.65
Oct-19	12/10/2018	11/18/2018				4.488	3.4556	\$	15.51	\$	822.84	\$	100.00
Oct-19	6/3/2019	4/30/2019						\$	-	\$	968.91	\$	1,075.49
Oct-19	7/5/2019	5/21/2019				3.974	2.2067	\$	8.77	\$	1,563.26	\$	1,735.22
Oct-19	7/12/2019	4/6/2019						\$	-	\$	1,249.70	\$	200.00
Oct-19	8/8/2019	6/4/2019				1.482957040381	2.3629	\$	3.50	\$	431.33	\$	478.78
Oct-19	8/27/2019	6/10/2019						\$	-	\$	342.24	\$	379.89
Oct-19	8/27/2019	6/10/2019				6.900	2.3629	\$	16.30	\$	3,435.43	\$	3,813.33
Oct-19	11/4/2015	8/22/2015						\$	-	\$	851.44	\$	50.00
Oct-19	8/23/2019	6/10/2019				0.156	2.3629	\$	0.37	\$	983.52	\$	983.52
Oct-19	8/29/2019	6/11/2019				10.109	2.3629	\$	23.89	\$	1,897.48	\$	1,897.48
Oct-19	9/6/2019	5/10/2019				1.279	2.2067	\$	2.82	\$	638.52	\$	638.52
Nov-19	9/13/2019	6/18/2019						\$	-	\$	541.07	\$	541.07
Nov-19	11/1/2019	7/25/2019				1.620477714291	2.3629	\$	3.83	\$	1,324.73	\$	1,210.13
Nov-19	10/1/2019	6/27/2018				11.466	2.3629	\$	27.09	\$	3,258.21	\$	3,258.21
Nov-19	11/14/2018	10/15/2018						\$	-	\$	920.68	\$	1,021.95
Nov-19	11/15/2018	10/12/2018						\$	-	\$	6,401.96	\$	5,846.54
Nov-19	4/15/2019	3/9/2019						\$	-	\$	217.53	\$	25.00
Nov-19	6/27/2019	5/30/2019				0.685	2.2067	\$	1.51	\$	544.87	\$	604.81
Nov-19	7/12/2019	4/6/2019						\$	-	\$	1,249.70	\$	200.00
Nov-19	7/31/2019	4/19/2019				2.604	2.6303	\$	6.85	\$	814.23	\$	903.80
Nov-19	8/7/2019	6/4/2019				0.806437376802	2.3629	\$	1.91	\$	826.03	\$	916.89
Nov-19	8/16/2019	6/7/2019				67.217	2.3629	\$	158.83	\$	5,062.59	\$	5,619.47
Nov-19	8/23/2019	5/2/2019						\$	-	\$	976.86	\$	1,084.31
Nov-19	8/27/2019	6/10/2019				0.101956123812	2.3629	\$	0.24	\$	641.89	\$	712.50
Nov-19	9/4/2019	6/12/2019				11.836	2.3629	\$	27.97	\$	1,700.81	\$	1,887.90
Nov-19	9/6/2019	5/10/2019				62.22317963996	2.2067	\$	137.31	\$	3,047.31	\$	3,382.51

Nov-19	9/6/2019	5/13/2019								\$ -	\$ 136.61	\$ 151.64
Nov-19	9/12/2019	6/13/2019				7.836	2.3629			\$ 18.52	\$ 1,213.03	\$ 1,346.46
Nov-19	9/23/2019	6/19/2019				0.228	2.3629			\$ 0.54	\$ 1,198.57	\$ 1,330.41
Nov-19	9/24/2019	6/7/2019				8.271	2.3629			\$ 19.54	\$ 1,223.08	\$ 1,357.62
Nov-19	12/10/2018	11/18/2018				4.488	3.4556			\$ 15.51	\$ 822.84	\$ 100.00
Nov-19	1/21/2019	10/9/2018								\$ -	\$ 1,036.06	\$ 1,150.03
Nov-19	2/11/2019	1/14/2019				34.642	4.0692			\$ 140.97	\$ 1,312.74	\$ 1,457.14
Nov-19	5/7/2019	3/7/2019				3.695258818654	3.0421			\$ 11.24	\$ 704.91	\$ 782.45
Nov-19	6/3/2019	4/19/2019				2.575	2.6303			\$ 6.77	\$ 695.54	\$ 150.00
Nov-19	7/1/2019	5/28/2019				3.805	2.2067			\$ 8.40	\$ 828.40	\$ 919.52
Nov-19	9/10/2019	6/14/2019				82.554	2.3629			\$ 195.07	\$ 2,345.84	\$ 2,603.88
Nov-19	9/18/2019	6/6/2019				0.213	2.3629			\$ 0.50	\$ 525.43	\$ 583.23
Nov-19	9/25/2019	6/7/2019				1.6796630993884				\$ -	\$ 587.07	\$ 651.65
Nov-19	9/26/2019	6/21/2019				42.38476788221	2.3629			\$ 100.15	\$ 2,355.29	\$ 2,589.38
Nov-19	9/27/2019	6/24/2019				1.689	2.3629			\$ 3.99	\$ 997.97	\$ 1,107.75
Nov-19	9/30/2019	6/11/2019				41.884	2.3629			\$ 98.97	\$ 1,213.40	\$ 1,346.87
Nov-19	10/4/2019	7/1/2019								\$ -	\$ 518.54	\$ 575.58
Dec-19	9/26/2019	6/7/2019								\$ -	\$ 496.00	\$ 550.56
Dec-19	11/9/2011	9/23/2011								\$ -	\$ 277,066.25	\$ 20,000.00
Dec-19	6/3/2019	4/3/2019				28.24094423875	2.6303			\$ 74.28	\$ 4,777.23	\$ 1,000.00
Dec-19	8/19/2019	6/3/2019								\$ -	\$ 724.27	\$ 724.27
Dec-19	7/30/2019	4/15/2019				3.025504079755	2.6303			\$ 7.96	\$ 566.20	\$ 566.20
Dec-19	8/23/2019	5/2/2019				0.176	2.2067			\$ 0.39	\$ 981.35	\$ 981.35
Dec-19	8/30/2019	6/10/2019				2.186659237096	2.3629			\$ 5.17	\$ 643.07	\$ 643.07
Dec-19	9/20/2019	6/19/2019				81.615	2.3629			\$ 192.85	\$ 1,599.53	\$ 1,599.53
Dec-19	9/27/2019	6/25/2019								\$ -	\$ 832.43	\$ 832.43
Dec-19	10/24/2019	7/28/2019								\$ -	\$ 1,689.85	\$ 1,689.85
Dec-19	10/25/2019	7/12/2019				10.620	2.3629			\$ 25.09	\$ 1,489.06	\$ 1,489.06
Dec-19	10/28/2019	6/28/2019				1.589	2.3629			\$ 3.75	\$ 868.81	\$ 868.81
Dec-19	11/1/2019	7/24/2019				0.522	2.3629			\$ 1.23	\$ 967.97	\$ 967.97
Jan-20	8/20/2019	5/1/2019				0.987	2.2067			\$ 2.18	\$ 526.05	\$ 526.05
Jan-20	10/15/2019	7/10/2019								\$ -	\$ 264.54	\$ 264.54
Jan-20	10/21/2019	7/31/2019				1.941	2.3629			\$ 4.59	\$ 1,113.08	\$ 1,113.08
Jan-20	12/2/2019	8/6/2019				5.188	2.0580			\$ 10.68	\$ 2,224.06	\$ 2,224.06
Jan-20	11/14/2019	8/6/2019				2.381	2.0580			\$ 4.90	\$ 804.75	\$ 804.75
Jan-20	12/16/2019	8/1/2019				14.613068964657	2.0580			\$ 30.07	\$ 3,480.86	\$ 3,480.86
Jan-20	11/18/2019	7/15/2019				2.057903790132	2.3629			\$ 4.86	\$ 1,178.97	\$ 1,308.66
Jan-20	8/16/2019	6/7/2019								\$ -	\$ 538.03	\$ 538.03
Jan-20	8/22/2019	6/6/2019				31.386	2.3629			\$ 74.16	\$ 3,159.25	\$ 3,159.25
Jan-20	8/23/2019	5/3/2019				21.451	2.2067			\$ 47.34	\$ 1,329.07	\$ 1,329.07
Jan-20	10/16/2018	9/22/2018								\$ -	\$ 791.09	\$ 722.46
Jan-20	4/15/2019	3/9/2019								\$ -	\$ 217.53	\$ 50.00
Jan-20	6/27/2019	5/25/2019								\$ -	\$ 1,046.35	\$ 1,161.45
Jan-20	7/12/2019	4/6/2019								\$ -	\$ 1,249.70	\$ 200.00
Jan-20	8/12/2019	5/23/2019								\$ -	\$ 342.40	\$ 350.35
Jan-20	8/16/2019	4/26/2019				18.48934050581	2.6303			\$ 48.63	\$ 3,492.25	\$ 3,577.64
Jan-20	9/25/2019	6/20/2019				4.227	2.629			\$ 11.11	\$ 793.40	\$ 880.67
Jan-20	9/27/2019	6/21/2019				0.072	2.3629			\$ 0.17	\$ 979.22	\$ 1,061.70
Jan-20	9/30/2019	6/10/2019								\$ -	\$ 50.18	\$ 55.70
Jan-20	9/30/2019	6/10/2019				4.033764503562	2.3629			\$ 9.53	\$ 976.23	\$ 1,083.62
Jan-20	9/30/2019	6/25/2019				0.946	2.3629			\$ 2.24	\$ 948.88	\$ 1,053.26
Jan-20	10/1/2019	6/11/2019								\$ -	\$ 1,387.00	\$ 1,539.57
Jan-20	10/2/2019	6/28/2019				0.283	2.3629			\$ 0.67	\$ 567.89	\$ 630.36
Jan-20	10/2/2019	6/29/2019				7.22255132737C	2.3629			\$ 17.07	\$ 849.48	\$ 942.92
Jan-20	10/15/2019	6/18/2019								\$ -	\$ 555.07	\$ 616.13
Jan-20	8/29/2017	6/19/2017				144.765	2.95			\$ 427.06	\$ 3,032.33	\$ 2,693.00
Jan-20	11/6/2018	10/1/2018				0.567622888381	2.8022			\$ 1.59	\$ 1,190.49	\$ 1,087.34
Jan-20	4/15/2019	3/9/2019								\$ -	\$ 217.53	\$ 25.00
Jan-20	6/3/2019	5/6/2019				0.262	2.2067			\$ 0.58	\$ 944.75	\$ 862.84
Jan-20	6/7/2019	5/14/2019				3.044	2.2067			\$ 6.72	\$ 627.34	\$ 626.71
Jan-20	6/25/2019	5/7/2019								\$ -	\$ 781.99	\$ 868.01
Jan-20	9/30/2019	6/26/2019								\$ -	\$ 650.99	\$ 722.60
Jan-20	10/7/2019	7/3/2019				0.990	2.3629			\$ 2.34	\$ 581.76	\$ 531.49
Jan-20	10/28/2019	7/17/2019								\$ -	\$ 1,197.74	\$ 1,329.49
Jan-20	10/28/2019	7/17/2019								\$ -	\$ 1,963.02	\$ 2,178.95
Jan-20	10/29/2019	7/2/2019				10.84443071436	2.3629			\$ 25.62	\$ 2,756.78	\$ 2,454.01
Feb-20	11/4/2015	8/22/2015								\$ -	\$ 851.44	\$ 100.00
Feb-20	8/23/2019	5/2/2019				0.491	2.2067			\$ 1.08	\$ 2,753.95	\$ 2,753.95
Feb-20	11/19/2019	7/17/2019				9.741	2.3629			\$ 23.02	\$ 737.86	\$ 737.86
Feb-20	12/17/2019	8/2/2019				1.404	2.0580			\$ 2.89	\$ 527.38	\$ 527.38
Feb-20	12/17/2019	8/7/2019								\$ -	\$ 775.03	\$ 775.03
Feb-20	12/19/2019	8/15/2019								\$ -	\$ 1,550.25	\$ 1,550.25
Feb-20	6/27/2019	5/31/2019				7.399	2.2067			\$ 16.33	\$ 561.65	\$ 561.08
Feb-20	9/23/2019	6/19/2019				9.236223735322	2.3629			\$ 21.82	\$ 943.56	\$ 1,047.35
Feb-20	10/28/2019	6/29/2019				3.909	2.3629			\$ 9.24	\$ 922.71	\$ 1,013.95
Feb-20	10/28/2019	7/18/2019								\$ -	\$ 779.28	\$ 855.00
Feb-20	1/10/2020	7/26/2019				47.156	2.3629			\$ 111.42	\$ 1,169.22	\$ 1,169.22
Feb-20	10/14/2019	6/18/2019				0.906	2.3629			\$ 2.14	\$ 483.24	\$ 536.40
Feb-20	12/17/2019	8/8/2019				0.659	2.580			\$ 1.70	\$ 989.24	\$ 1,098.06
Feb-20	1/21/2020	8/6/2019				34.78223049081	2.0580			\$ 71.58	\$ 3,121.17	\$ 2,470.13
Feb-20	1/24/2020	8/16/2019				2.625	2.0580			\$ 5.40	\$ 2,101.50	\$ 2,101.50
Feb-20	1/6/2020	7/22/2019				2.017002719836	2.3629			\$ 4.77	\$ 1,372.01	\$ 1,372.01
Feb-20	7/31/2019	4/22/2019								\$ -	\$ 988.07	\$ 1,096.76
Feb-20	1/29/2020	7/17/2019				2.622103535791	2.3629			\$ 6.20	\$ 773.38	\$ 706.82
Mar-20	2/17/2020	9/7/2019								\$ -	\$ 820.53	\$ 820.53
Mar-20	2/20/2020	10/7/2019				162.352	1.9537			\$ 317.19	\$ 3,019.97	\$ 3,019.97
Mar-20	11/30/2019	7/25/2019								\$ -	\$ 921.18	\$ 1,022.51
Mar-20	1/15/2020	8/15/2019								\$ -	\$ 542.57	\$ 542.57
Mar-20	1/30/2020	8/12/2019				0.850	2.0580			\$ 1.75	\$ 3,995.98	\$ 3,995.98
Mar-20	1/30/2020	8/24/2019								\$ -	\$ 1,546.32	\$ 1,546.32

Mar-20	1/31/2020	8/27/2019				3.438	2.0580	\$	7.08	\$	1,660.83	\$	1,660.83
Mar-20	1/31/2020	8/27/2019						\$	-	\$	1,806.78	\$	1,806.78
Mar-20	2/11/2020	8/23/2019						\$	-	\$	819.73	\$	819.73
Mar-20	2/11/2020	8/24/2019						\$	-	\$	3,546.69	\$	3,546.69
Mar-20	2/11/2020	8/27/2019				1.153	2.0580	\$	2.37	\$	588.86	\$	588.86
Mar-20	2/11/2020	9/13/2019				101.3983893996	1.9537	\$	198.10	\$	5,236.64	\$	5,236.64
Mar-20	2/11/2020	9/19/2019						\$	-	\$	863.05	\$	863.05
Mar-20	2/11/2020	9/23/2019				149.742	2.0580	\$	308.17	\$	2,070.89	\$	2,070.89
Mar-20	2/11/2020	10/29/2019				2.949	2.0580	\$	6.07	\$	1,615.71	\$	1,615.71
Mar-20	2/11/2020	11/16/2019				3.728	2.0580	\$	7.67	\$	2,889.43	\$	2,889.43
Mar-20	2/11/2020	11/25/2019				3.455	2.0580	\$	7.11	\$	737.14	\$	730.03
Mar-20	2/12/2020	9/20/2019				2.269	1.9537	\$	4.43	\$	3,843.35	\$	3,843.35
Mar-20	1/10/2020	7/11/2019				1.991	2.2067	\$	4.39	\$	3,211.66	\$	3,211.66
Mar-20	2/6/2020	9/11/2019						\$	-	\$	1,660.06	\$	1,660.06
Mar-20	10/21/2019	7/31/2019						\$	-	\$	669.57	\$	669.57
Mar-20	2/13/2020	9/6/2019				1.284	1.9537	\$	2.51	\$	1,139.30	\$	1,139.30
Mar-20	2/21/2020	9/17/2019				4.036	1.9537	\$	7.89	\$	1,014.58	\$	1,014.58
Mar-20	2/24/2020	10/27/2019				99.22550250568	2.0567	\$	204.08	\$	4,346.25	\$	4,346.25
Mar-20	2/24/2020	10/30/2019						\$	-	\$	658.20	\$	658.20
Mar-20	1/30/2020	8/22/2019						\$	-	\$	1,002.97	\$	1,113.30
Mar-20	11/7/2019	7/11/2019						\$	-	\$	2,353.97	\$	110.00
Mar-20	12/17/2019	7/1/2019				1.874	2.2067	\$	4.14	\$	5,254.50	\$	5,540.87
Apr-20	1/30/2020	5/28/2019				106.1742966437	2.2067	\$	234.29	\$	2,666.39	\$	2,666.29
Apr-20	2/4/2020	8/15/2019				3.857634137526	2.0580	\$	7.94	\$	417.26	\$	417.26
Apr-20	2/17/2020	9/9/2019				0.686	4.4467	\$	3.05	\$	2,239.84	\$	2,483.17
Apr-20	2/19/2020	9/10/2019				0.291	1.9537	\$	0.57	\$	1,869.01	\$	1,869.01
Apr-20	2/21/2020	10/16/2019						\$	-	\$	431.35	\$	431.35
Apr-20	2/21/2020	10/25/2019				6.051008159516	2.0567	\$	12.45	\$	1,532.90	\$	1,532.90
Apr-20	2/24/2020	10/29/2019				4.005657499356	2.0567	\$	8.24	\$	2,432.72	\$	2,432.72
Apr-20	3/17/2020	10/15/2019						\$	-	\$	1,586.06	\$	1,792.30
Apr-20	3/17/2020	10/17/2019				596.853	2.0567	\$	1,227.55	\$	5,258.44	\$	5,258.24
Apr-20	11/4/2019	7/25/2019				0.109	2.3629	\$	0.26	\$	1,284.60	\$	1,425.91
Apr-20	12/31/2018	12/11/2018				214.286	4.48	\$	960.00	\$	14,527.96	\$	1,500.00
Apr-20	12/17/2019	8/5/2019						\$	-	\$	568.10	\$	568.10
Apr-20	1/30/2020	8/27/2019				4.388	4.0200	\$	17.64	\$	744.15	\$	826.01
Apr-20	2/17/2020	9/4/2019						\$	-	\$	1,398.81	\$	1,398.81
Apr-20	3/13/2019	2/24/2019						\$	-	\$	1,130.87	\$	1,067.00
Apr-20	5/31/2019	5/2/2019				0.155	2.2067	\$	0.34	\$	960.02	\$	50.00
Apr-20	6/25/2019	6/1/2019						\$	-	\$	696.04	\$	772.60
Apr-20	9/30/2019	6/10/2019						\$	-	\$	895.47	\$	895.00
Apr-20	9/30/2019	6/10/2019						\$	-	\$	1,425.49	\$	1,582.29
Apr-20	10/10/2019	7/8/2019				3.102	2.3629	\$	7.33	\$	1,362.39	\$	1,394.69
Apr-20	10/24/2019	7/29/2019						\$	-	\$	525.04	\$	582.79
Apr-20	12/13/2019	5/24/2019				50.38989298166	2.2067	\$	111.20	\$	910.44	\$	941.25
Apr-20	12/17/2019	6/27/2019						\$	-	\$	984.21	\$	1,092.47
Apr-20	12/18/2019	8/12/2019				27.77963593866	2.0580	\$	57.17	\$	4,100.32	\$	4,551.36
Apr-20	1/3/2020	7/18/2019				6.051008159516	2.3629	\$	14.30	\$	1,061.84	\$	1,178.64
Apr-20	1/7/2020	7/29/2019				20.20630938467	2.3629	\$	47.75	\$	1,830.63	\$	2,032.00
Apr-20	1/21/2020	8/6/2019				27.932	2.0580	\$	57.48	\$	1,258.92	\$	1,257.66
Apr-20	1/27/2020	8/7/2019						\$	-	\$	454.59	\$	504.59
Apr-20	1/27/2020	8/21/2019						\$	-	\$	1,448.66	\$	1,608.01
Apr-20	1/31/2020	8/13/2019						\$	-	\$	663.09	\$	736.03
Apr-20	2/4/2020	8/15/2019						\$	-	\$	1,166.39	\$	1,294.69
Apr-20	9/27/2018	9/1/2018				643	2.73	\$	1.76	\$	884.05	\$	600.00
Apr-20	10/18/2018	8/4/2018						\$	-	\$	656.28	\$	728.47
Apr-20	7/12/2019	4/6/2019						\$	-	\$	1,249.70	\$	200.00
Apr-20	9/6/2019	6/14/2019				0.859518532421	2.3629	\$	2.03	\$	370.22	\$	338.28
Apr-20	10/10/2019	7/9/2019				53.425	2.3629	\$	126.24	\$	4,199.50	\$	4,200.00
Apr-20	10/24/2019	6/25/2019						\$	-	\$	276.74	\$	307.18
Apr-20	10/28/2019	6/26/2019						\$	-	\$	363.51	\$	403.50
Apr-20	11/6/2019	7/9/2019						\$	-	\$	2,610.44	\$	2,897.59
Apr-20	11/7/2019	7/11/2019				45.12170019396	2.3629	\$	106.62	\$	2,879.17	\$	3,037.73
Apr-20	11/14/2019	8/5/2019				7.992	2.0580	\$	16.45	\$	343.17	\$	380.92
Apr-20	11/19/2019	8/7/2019						\$	-	\$	810.92	\$	900.12
Apr-20	3/26/2020	10/10/2019						\$	-	\$	1,550.02	\$	1,550.02
Apr-20	12/9/2019	7/26/2019				0.685815664356	2.3629	\$	1.62	\$	1,107.29	\$	1,229.09
Apr-20	12/11/2019	7/29/2019						\$	-	\$	960.56	\$	1,066.22
Apr-20	4/8/2020	3/16/2020				1.740	2.1136	\$	3.68	\$	438.61	\$	438.61
Apr-20	11/26/2019	7/18/2019				6.400	2.3629	\$	15.12	\$	1,848.63	\$	2,051.98
Apr-20	12/11/2019	5/17/2019				4.237	2.2067	\$	9.35	\$	592.79	\$	658.00
Apr-20	12/11/2019	5/20/2019				148.433	2.2067	\$	327.55	\$	4,426.00	\$	4,557.29
Apr-20	12/13/2019	7/31/2019						\$	-	\$	617.95	\$	685.92
Apr-20	12/19/2019	8/12/2019				6.395	2.0580	\$	13.16	\$	1,674.26	\$	1,858.43
Apr-20	8/29/2017	6/19/2017				144.765	2.95	\$	427.06	\$	3,032.33	\$	350.00
Apr-20	10/23/2019	7/29/2019				0		\$	-	\$	1,331.86	\$	1,478.36
Apr-20	11/19/2019	7/16/2019				64.081	2.3629	\$	151.42	\$	1,947.68	\$	2,161.92
Apr-20	11/25/2019	7/17/2019				6.382719777676	2.3629	\$	15.08	\$	624.54	\$	693.24
Apr-20	11/25/2019	8/2/2019				116.623	2.0580	\$	240.01	\$	2,534.46	\$	2,813.25
Apr-20	12/11/2019	7/29/2019						\$	-	\$	528.44	\$	586.57
Apr-20	12/12/2019	8/12/2019				0.034	2.0580	\$	0.07	\$	793.99	\$	881.33
Apr-20	12/13/2019	5/30/2019						\$	-	\$	440.41	\$	488.86
May-20	2/26/2020	9/24/2019				47.923	1.9537	\$	93.63	\$	2,109.60	\$	2,109.60
May-20	3/2/2020	9/26/2019						\$	-	\$	638.22	\$	638.22
May-20	3/5/2020	9/25/2019				2.406	1.9537	\$	4.70	\$	2,456.78	\$	2,727.03
May-20	4/13/2020	3/16/2020						\$	-	\$	700.54	\$	700.54
May-20	5/31/2019	5/2/2019				0.155	2.2067	\$	0.34	\$	960.02	\$	50.00
May-20	6/25/2019	5/10/2019						\$	-	\$	456.22	\$	506.40
May-20	6/27/2019	5/30/2019						\$	-	\$	760.59	\$	760.25
May-20	7/12/2019	4/6/2019						\$	-	\$	1,249.70	\$	587.17
May-20	7/16/2019	4/16/2019						\$	-	\$	9,243.11	\$	9,243.11

May-20	7/16/2019	6/13/2019			16.88124643675	2.3629	\$	39.89	\$	7,352.55	\$	6,937.13
May-20	7/29/2019	5/13/2019			108.556	2.2067	\$	239.55	\$	3,436.87	\$	3,433.45
May-20	7/31/2019	4/22/2019					\$	-	\$	988.07	\$	1,096.76
May-20	8/2/2019	4/23/2019					\$	-	\$	615.67	\$	629.98
May-20	9/25/2019	6/6/2019					\$	-	\$	889.19	\$	987.00
May-20	10/28/2019	6/28/2019			6.375369748715	2.3629	\$	15.06	\$	3,014.72	\$	2,997.00
May-20	11/7/2019	7/11/2019			16.425	2.3629	\$	38.81	\$	2,650.49	\$	2,650.49
May-20	11/15/2019	7/13/2019			9.396	4.8800	\$	45.85	\$	1,021.58	\$	1,133.95
May-20	11/25/2019	8/6/2019					\$	-	\$	1,579.18	\$	1,339.02
May-20	11/27/2019	7/22/2019					\$	-	\$	1,612.21	\$	1,789.55
May-20	12/13/2019	5/29/2019					\$	-	\$	474.26	\$	526.43
May-20	12/13/2019	5/30/2019			0.606	2.2067	\$	1.34	\$	863.60	\$	862.74
May-20	12/16/2019	6/25/2019			74.644	2.2067	\$	164.72	\$	1,646.40	\$	1,645.00
May-20	12/16/2019	8/13/2019					\$	-	\$	1,933.64	\$	2,146.34
May-20	12/17/2019	6/26/2019			4.15417769078	2.2067	\$	9.17	\$	816.44	\$	906.25
May-20	12/17/2019	8/2/2019			7.388	2.0580	\$	15.20	\$	1,410.84	\$	1,427.89
May-20	12/17/2019	8/7/2019			6.143	2.0580	\$	12.64	\$	2,074.63	\$	2,302.84
May-20	12/19/2019	7/12/2019			13.5135263334	2.2067	\$	29.82	\$	782.53	\$	888.61
May-20	1/3/2020	7/16/2019			1.315	2.3629	\$	3.11	\$	603.86	\$	670.28
May-20	1/3/2020	7/17/2019					\$	-	\$	659.22	\$	731.73
May-20	1/6/2020	7/23/2019					\$	-	\$	1,262.80	\$	1,401.71
May-20	1/9/2020	8/2/2019					\$	-	\$	1,867.70	\$	2,073.15
May-20	11/5/2019	7/8/2019					\$	-	\$	559.84	\$	621.42
May-20	3/9/2020	10/25/2019			728	2.0567	\$	1.50	\$	993.23	\$	993.23
May-20	7/13/2017	5/22/2017					\$	-	\$	1,290.40	\$	1,320.39
May-20	10/21/2019	6/20/2019			0.978937426574	2.3629	\$	2.31	\$	2,306.75	\$	2,557.93
May-20	12/19/2019	7/15/2019			6.221	2.2067	\$	13.73	\$	3,761.61	\$	3,757.85
May-20	1/15/2020	8/18/2019			0.553	2.0580	\$	1.14	\$	1,126.55	\$	125.00
May-20	1/28/2020	8/9/2019					\$	-	\$	831.27	\$	922.71
May-20	1/28/2020	8/24/2019					\$	-	\$	1,327.73	\$	1,473.78
May-20	2/6/2020	9/3/2019			1.662	1.9537	\$	3.25	\$	498.24	\$	553.05
May-20	2/11/2020	8/21/2019			1.702	2.0580	\$	3.50	\$	1,608.38	\$	1,785.30
May-20	2/12/2020	8/26/2019			0.864054543194	2.0580	\$	1.78	\$	890.49	\$	988.44
May-20	2/24/2020	11/4/2019			0.147	2.0567	\$	0.30	\$	1,278.77	\$	392.95
May-20	12/19/2019	7/10/2019					\$	-	\$	373.89	\$	830.04
May-20	9/18/2019	6/18/2019			0.317340730961	2.3629	\$	0.75	\$	665.54	\$	664.87
May-20	10/8/2019	7/4/2019					\$	-	\$	776.68	\$	431.05
May-20	11/30/2019	7/25/2019			0.179	2.3629	\$	0.42	\$	703.02	\$	780.35
May-20	12/11/2019	5/15/2019			3.52119959769	2.2067	\$	7.77	\$	1,462.83	\$	1,623.74
May-20	12/16/2019	6/21/2019			3.878	2.2067	\$	8.56	\$	1,004.10	\$	1,114.55
May-20	12/16/2019	7/30/2019					\$	-	\$	269.55	\$	299.20
May-20	1/3/2020	7/15/2019			0.455	2.3629	\$	1.08	\$	1,536.63	\$	1,705.66
May-20	1/3/2020	7/17/2019			10.0779785963	2.3629	\$	23.81	\$	1,406.89	\$	1,561.65
May-20	1/7/2020	7/26/2019			0.664	2.3629	\$	1.57	\$	4,010.42	\$	4,451.57
May-20	1/7/2020	7/30/2019			6.71865239755	2.3629	\$	15.88	\$	1,552.38	\$	1,723.14
May-20	1/8/2020	8/1/2019					\$	-	\$	570.59	\$	633.35
May-20	1/29/2020	7/17/2019			2.622103535791	2.3629	\$	6.20	\$	773.38	\$	858.45
May-20	3/17/2020	10/22/2019			27.275	2.0567	\$	56.10	\$	1,452.16	\$	1,452.16
May-20	4/20/2020	3/27/2020			13.283	2.1136	\$	28.07	\$	10,463.05	\$	10,463.05
May-20	5/1/2020	1/31/2020			72.439	3.2624	\$	236.32	\$	3,521.62	\$	3,521.62
Jun-20	3/26/2020	10/9/2019					\$	-	\$	1,010.01	\$	1,010.01
Jun-20	1/6/2020	7/25/2019			247.449	2.3629	\$	584.70	\$	3,444.65	\$	3,575.44
Jun-20	1/9/2020	8/2/2019					\$	-	\$	492.56	\$	546.74
Jun-20	1/15/2020	8/18/2019			0.553	2.0580	\$	1.14	\$	1,126.55	\$	125.00
Jun-20	1/31/2020	8/14/2019			1.512752039875	5.0490	\$	7.64	\$	1,307.85	\$	1,451.71
Jun-20	2/5/2020	8/29/2019					\$	-	\$	1,036.38	\$	1,150.38
Jun-20	2/5/2020	9/4/2019			31.610	1.9537	\$	61.76	\$	1,185.80	\$	1,186.24
Jun-20	2/17/2020	9/6/2019					\$	-	\$	869.91	\$	965.60
Jun-20	2/17/2020	9/10/2019			2.163	1.9537	\$	4.23	\$	565.35	\$	564.84
Jun-20	2/19/2020	8/23/2019			66.104	2.0580	\$	136.04	\$	5,579.50	\$	6,193.25
Jun-20	2/19/2020	9/11/2019					\$	-	\$	430.64	\$	478.01
Jun-20	2/21/2020	10/11/2019			0.392	2.0567	\$	0.81	\$	1,034.10	\$	217.27
Jun-20	2/25/2020	9/4/2019					\$	-	\$	109.72	\$	121.79
Jun-20	2/25/2020	9/4/2019					\$	-	\$	621.18	\$	689.51
Jun-20	2/26/2020	9/4/2019			1.604	1.9537	\$	3.13	\$	600.85	\$	666.94
Jun-20	2/26/2020	11/19/2019					\$	-	\$	982.25	\$	1,090.30
Jun-20	3/2/2020	9/26/2019					\$	-	\$	175.31	\$	194.59
Jun-20	3/4/2020	9/17/2019					\$	-	\$	976.73	\$	1,084.17
Jun-20	3/4/2020	9/25/2019			0.136	1.9537	\$	0.27	\$	699.53	\$	776.48
Jun-20	3/5/2020	11/13/2019			12.442	2.0567	\$	25.59	\$	1,834.48	\$	2,036.27
Jun-20	3/5/2020	12/31/2019					\$	-	\$	1,022.63	\$	1,135.12
Jun-20	3/6/2020	10/24/2019			2.949	1.9537	\$	5.76	\$	1,478.93	\$	1,641.61
Jun-20	3/9/2020	10/3/2019					\$	-	\$	1,131.46	\$	1,255.92
Jun-20	3/12/2020	12/16/2019					\$	-	\$	503.82	\$	559.24
Jun-20	3/13/2020	10/17/2019					\$	-	\$	558.70	\$	620.16
Jun-20	3/15/2020	10/31/2019					\$	-	\$	267.79	\$	297.25
Jun-20	3/17/2020	12/9/2019					\$	-	\$	160.63	\$	178.30
Jun-20	3/18/2020	11/1/2019					\$	-	\$	448.71	\$	498.07
Jun-20	3/18/2020	11/1/2019			4.181	2.0567	\$	8.60	\$	2,093.85	\$	2,324.17
Jun-20	12/19/2019	8/13/2019			0.83792841015	2.0580	\$	1.72	\$	449.68	\$	499.15
Jun-20	12/12/2018	11/7/2018					\$	-	\$	773.52	\$	858.61
Jun-20	2/10/2020	9/16/2019					\$	-	\$	1,155.31	\$	2,564.78
Jun-20	2/11/2020	9/4/2019			8.460	1.9537	\$	16.53	\$	1,279.85	\$	1,420.63
Jun-20	2/13/2020	9/23/2019					\$	-	\$	450.07	\$	499.58
Jun-20	2/17/2020	8/23/2019					\$	-	\$	1,140.16	\$	1,139.02
Jun-20	2/17/2020	8/29/2019					\$	-	\$	413.73	\$	459.24
Jun-20	2/17/2020	9/10/2019			11.618	1.9537	\$	22.70	\$	842.59	\$	935.27
Jun-20	2/21/2020	10/23/2019					\$	-	\$	1,216.74	\$	555.26
Jun-20	2/24/2020	9/20/2019			11.273	1.9537	\$	22.02	\$	542.46	\$	280.76
Jun-20	2/24/2020	9/25/2019					\$	-	\$	657.04	\$	310.41

Jun-20	2/24/2020	10/25/2019			58.957	2.0567	\$	121.26	\$	7,871.63	\$	8,737.51
Jun-20	2/26/2020	9/6/2019			8.610	1.9537	\$	16.82	\$	946.29	\$	1,050.38
Jun-20	2/27/2020	11/6/2019			0.107	3.2624	\$	0.35	\$	750.63	\$	833.20
Jun-20	3/3/2020	9/27/2019			52.857	1.9537	\$	103.27	\$	2,383.85	\$	2,646.07
Jun-20	3/4/2020	9/25/2019					\$	-	\$	983.36	\$	982.38
Jun-20	3/4/2020	11/13/2019					\$	-	\$	559.44	\$	620.98
Jun-20	3/9/2020	10/25/2019					\$	-	\$	553.25	\$	614.11
Jun-20	9/24/2018	8/21/2018			7.437931373501	2.73	\$	20.31	\$	1,468.33	\$	1,548.36
Jun-20	5/31/2019	5/2/2019			0.155	2.2067	\$	0.34	\$	960.02	\$	50.00
Jun-20	7/31/2019	4/19/2019			4.033	2.6303	\$	10.61	\$	717.85	\$	796.81
Jun-20	10/22/2019	6/21/2019			0.75637601993	2.3629	\$	1.79	\$	1,078.78	\$	1,077.71
Jun-20	12/19/2019	7/8/2019			9.910	2.2067	\$	21.87	\$	916.59	\$	1,017.41
Jun-20	1/6/2020	7/19/2019			3.02550407975	2.3629	\$	7.15	\$	784.53	\$	783.83
Jun-20	1/13/2020	8/5/2019			3.02550407975	2.0580	\$	6.23	\$	1,072.81	\$	1,071.82
Jun-20	1/15/2020	8/19/2019					\$	-	\$	712.78	\$	791.19
Jun-20	1/30/2020	8/23/2019			77.798	2.0580	\$	160.11	\$	9,125.94	\$	1,000.00
Jun-20	1/30/2020	8/27/2019					\$	-	\$	2,892.55	\$	3,210.73
Jun-20	2/6/2020	9/10/2019			9.13254559121	1.9537	\$	17.84	\$	2,179.58	\$	2,419.33
Jun-20	2/7/2020	9/6/2019					\$	-	\$	301.11	\$	334.23
Jun-20	2/11/2020	8/21/2019			0.817	2.0580	\$	1.68	\$	675.93	\$	750.28
Jun-20	2/12/2020	9/4/2019			26.685	2.16	\$	57.64	\$	900.61	\$	999.68
Jun-20	2/12/2020	12/3/2019			3.4658	4.5000	\$	15.60	\$	1,232.44	\$	1,368.01
Jun-20	2/14/2020	8/26/2019			.074	2.058	\$	0.15	\$	1,006.25	\$	1,116.94
Jun-20	2/18/2020	12/13/2019			7.558483947241	3.2624	\$	24.66	\$	836.67	\$	928.70
Jun-20	2/20/2020	8/28/2019			31.484	2.058	\$	64.79	\$	1,703.93	\$	1,891.36
Jun-20	2/20/2020	10/4/2019					\$	-	\$	564.82	\$	626.95
Jun-20	2/21/2020	10/14/2019			12.480772897	2.0567	\$	25.67	\$	1,432.92	\$	588.47
Jun-20	2/21/2020	10/16/2019					\$	-	\$	888.01	\$	386.78
Jun-20	2/24/2020	11/1/2019					\$	-	\$	549.87	\$	242.83
Jun-20	2/24/2020	11/1/2019			9.388	2.0567	\$	19.31	\$	2,566.27	\$	591.15
Jun-20	2/24/2020	12/30/2019			1.00850135991	3.2624	\$	3.29	\$	216.23	\$	113.54
Jun-20	2/26/2020	9/24/2019					\$	-	\$	359.27	\$	398.79
Jun-20	2/26/2020	9/24/2019			1.786	1.9537	\$	3.49	\$	600.64	\$	666.71
Jun-20	2/26/2020	12/6/2019			1.63571683436	2.0567	\$	3.36	\$	1,900.35	\$	2,109.39
Jun-20	2/27/2020	9/6/2019					\$	-	\$	689.50	\$	765.35
Jun-20	3/2/2020	9/16/2019					\$	-	\$	700.16	\$	777.18
Jun-20	3/2/2020	11/11/2019					\$	-	\$	726.17	\$	806.05
Jun-20	5/31/2019	5/2/2019			0.155	2.2067	\$	0.34	\$	960.02	\$	50.00
Jun-20	8/12/2019	4/25/2019					\$	-	\$	638.92	\$	200.00
Jun-20	12/17/2019	7/1/2019					\$	-	\$	831.55	\$	831.02
Jun-20	2/10/2020	9/16/2019			1.346	1.9537	\$	2.63	\$	1,181.61	\$	102.29
Jun-20	2/25/2020	9/24/2019					\$	-	\$	650.29	\$	721.82
Jun-20	2/25/2020	11/4/2019					\$	-	\$	479.05	\$	531.75
Jun-20	3/5/2020	12/27/2019					\$	-	\$	1,487.50	\$	1,651.13
Jun-20	3/12/2020	10/1/2019					\$	-	\$	2,491.46	\$	2,765.52
Jun-20	3/13/2020	12/12/2019			45.815	3.2624	\$	149.47	\$	771.16	\$	855.99
Jun-20	3/17/2020	10/15/2019					\$	-	\$	1,288.04	\$	1,429.72
Jun-20	3/19/2020	11/11/2019			25.260	2.0567	\$	51.95	\$	1,375.66	\$	1,526.98
Jun-20	3/23/2020	1/14/2020					\$	-	\$	1,158.81	\$	1,286.28
Jun-20	4/8/2020	3/6/2020					\$	-	\$	231.73	\$	257.22
Jun-20	6/4/2018	5/1/2018			1.825	2.41	\$	4.40	\$	2,681.40	\$	2,197.26
Jun-20	6/6/2018	5/14/2018			54.326	2.41	\$	130.93	\$	1,426.54	\$	1,583.46
Jun-20	11/18/2019	7/15/2019			4.100	2.3629	\$	9.69	\$	1,335.86	\$	1,482.80
Jun-20	1/30/2020	8/12/2019					\$	-	\$	1,323.60	\$	1,469.20
Jun-20	2/10/2020	9/16/2019			1.346	1.9537	\$	2.63	\$	1,181.61	\$	1,209.30
Jun-20	2/11/2020	8/14/2019					\$	-	\$	1,932.74	\$	1,930.81
Jun-20	2/14/2020	8/29/2019			10.0779785963	2.0580	\$	20.74	\$	1,863.62	\$	1,863.62
Jun-20	2/24/2020	8/31/2019			.109	2.0580	\$	0.22	\$	508.33	\$	20.00
Jun-20	2/26/2020	9/24/2019			0.702	1.9537	\$	1.37	\$	451.57	\$	462.18
Jun-20	2/27/2020	9/16/2019			1.877	1.9537	\$	3.67	\$	124.01	\$	137.65
Jun-20	3/3/2020	9/17/2019			0.558518259661	1.9537	\$	1.09	\$	1,947.33	\$	2,161.54
Jun-20	3/5/2020	9/19/2019			1.153	1.9537	\$	2.25	\$	778.00	\$	778.00
Jun-20	3/12/2020	10/29/2019			6.05100815951	2.0567	\$	12.45	\$	1,710.69	\$	1,710.69
Jun-20	3/13/2020	10/16/2019			45.600	2.0567	\$	93.79	\$	1,639.17	\$	1,639.17
Jun-20	3/25/2020	1/14/2020					\$	-	\$	226.79	\$	193.05
Jun-20	3/25/2020	2/4/2020					\$	-	\$	468.53	\$	520.07
Jun-20	5/20/2020	4/7/2020			0.303	1.5151	\$	0.46	\$	691.25	\$	691.25
Jun-20	6/2/2020	4/16/2020		... Trade Secret Data Ends]			\$	-	\$	1,895.55	\$	1,895.55
								Total:	\$	19,385.32		

CenterPoint Energy Minnesota Gas

Schedule of Monthly and Annual Purchased Gas
Adjustment Factors of CenterPoint Energy Minnesota Gas
For the period from July 1, 2019 to June 30, 2020, and
Independent Accountants' Report

INDEPENDENT ACCOUNTANTS' REPORT

CenterPoint Energy Minnesota Gas:

We have examined the accompanying Schedule of Monthly and Annual Purchased Gas Adjustment Factors (“the Schedule”) of CenterPoint Energy Minnesota Gas (the “Company”), for the period from July 1, 2019 to June 30, 2020 to determine whether it has been calculated in accordance with the criteria established by the Minnesota Public Utilities Commission (“the Commission”) Rules 7825.2810 to 7825.2820 and with PGA Clause Riders and Dockets approved by the Commission. The Company’s management is responsible for calculating the Schedule. Our responsibility is to express an opinion on the Schedule based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the examination to obtain reasonable assurance about whether the Schedule is in accordance with the criteria, in all material respects. An examination involves performing procedures to obtain evidence about the Schedule. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material misstatement related to the Schedule, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

In our opinion, the Schedule presents the monthly and annual purchased gas adjustment factors of the Company for the period from July 1, 2019 to June 30, 2020, as calculated in accordance with the criteria established by the Minnesota Public Utilities Commission Rules 7825.2810 to 7825.2820 and with PGA Clause Riders and Dockets approved by the Commission governing the information presented, in all material respects.

This report is intended solely for the information and use of the management and board of directors of the Company and the Minnesota Public Utilities Commission, and is not intended to be and should not be used by anyone other than the specified parties.

Deloitte & Touche LLP

August 25, 2020

CENTERPOINT ENERGY MINNESOTA GAS

**SCHEDULE OF MONTHLY AND ANNUAL PURCHASED GAS ADJUSTMENT FACTORS
 FACTORS (\$/THERM)
 YEAR ENDED JUNE 30, 2020**

Effective Date	Residential	Com-A & Com/Ind B	Commercial & Industrial-C	Large General Service		Small Volume Dual Fuel	Large Volume Dual Fuel
				Commodity	Demand		
July 1, 2019	(0.07488)	(0.07488)	(0.07488)	(0.09203)	0.05315	(0.09685)	(0.09470)
August 1, 2019	(0.07488)	(0.07488)	(0.07488)	(0.09203)	0.05315	(0.09685)	(0.09470)
September 1, 2019	(0.12017)	(0.12017)	(0.12017)	(0.13138)	0.05315	(0.12833)	(0.12245)
October 1, 2019	(0.10025)	(0.10025)	(0.10025)	(0.12108)	0.05315	(0.11803)	(0.11215)
November 1, 2019	(0.02806)	(0.02806)	(0.02806)	(0.03931)	0.20698	(0.03626)	(0.03038)
December 1, 2019	0.00528	0.00528	0.00528	(0.00051)	0.20698	0.00254	0.00842
January 1, 2020	(0.00201)	(0.00201)	(0.00201)	0.00422	0.08686	0.00727	0.01315
February 1, 2020	0.00561	0.00561	0.00561	(0.04274)	0.08686	(0.03969)	(0.03381)
March 1, 2020	(0.08085)	(0.08085)	(0.08085)	(0.09139)	0.07816	(0.08834)	(0.08246)
April 1, 2020	(0.09828)	(0.09828)	(0.09828)	(0.15124)	0.07816	(0.14819)	(0.14231)
May 1, 2020	(0.06762)	(0.06762)	(0.06762)	(0.12058)	0.07816	(0.11753)	(0.11165)
June 1, 2020	(0.01142)	(0.01142)	(0.01142)	(0.13187)	0.04426	(0.12882)	(0.12294)
Annual True-Up Filing June 30, 2020	(0.00565)	(0.00565)	(0.00565)	0.00160		(0.00697)	(0.00239)

Exhibit 11 – 2020 Natural Gas Market Outlook

CenterPoint Energy has designated this entire document as trade secret. The document meets the definition of trade secret in Minn. Stat. § 13.37, subd. 1(b), as follows: (1) the document was supplied by CenterPoint Energy, the affected organization; (2) CenterPoint Energy has taken all reasonable efforts to maintain the secrecy of the document, including protecting it from disclosure in this proceeding; and (3) the document 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.

In accordance with Minn. Rule 7829.0500, Subp. 3, CenterPoint Energy furnishes the following description of the document:

Nature of the Material: PowerPoint.PDF - summary presentation the Company's Gas Supply plan. Contains market considerations used in preparing 2020 Gas Supply Plan (19 pages). The Gas Supply Plan is filed annually as required in the Company' Financial Instruments docket (The complete 2020 Gas Supply Plan was filed on June 19, 2020 - Docket No. G-008/M-19-699).

Author: *CenterPoint Energy Gas Supply Department – inputs from Industry experts, as noted.*

Industry advice and opinions are proprietary and confidential - purchased, used internally only with permission

General Import: *Provides information on future pricing assumptions, as required.*

Date the Document was Prepared: April 13, 2020

Report not included in Public version

CERTIFICATE OF SERVICE

Donald Wynia, says he served or caused to be served on behalf of CenterPoint Energy:

- A non-public and a public version of its Annual Automatic Adjustment Report on the Minnesota Public Utilities Commission via electronic filing;
- A non-public and a public version on the Department of Commerce via efilng;
- A non-public and a public version on the on the Minnesota Office of the Attorney General;
- Electronic filing of its Annual Automatic Adjustment Report on persons requesting electronic service on the enclosed service list,
- And a notification only of its Annual Automatic Adjustment Report as described in Minn. Rules pt. 7825.2840 on persons requesting paper service on the enclosed service list, by delivering by hand at the respective addresses on the list or by placing in the U.S. Mail at the City of Minneapolis.

/s/

Donald Wynia
Regulatory Analyst, Regulatory Services
CenterPoint Energy

September 1, 2020

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Tamie A.	Aberle	tamie.aberle@mdu.com	Great Plains Natural Gas Co.	400 North Fourth Street Bismarck, ND 585014092	Electronic Service	No	OFF_SL_20-172_AA-20-172
Kristine	Anderson	kanderson@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Lane PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_20-172_AA-20-172
Melodee	Carlson Chang	melodee.carlsonchang@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-172_AA-20-172
Steven	Clay	Steven.Clay@CenterPointEnergy.com	CenterPoint Energy Minnesota Gas	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-172_AA-20-172
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-172_AA-20-172
Marie	Doyle	marie.doyle@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall P O Box 59038 Minneapolis, MN 554590038	Electronic Service	No	OFF_SL_20-172_AA-20-172
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_20-172_AA-20-172
Brian	Gardow	bgardow@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Ln PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_20-172_AA-20-172
Nicolle	Kupser	nkupser@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Ln PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_20-172_AA-20-172
Greg	Palmer	gpalmer@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Ln PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_20-172_AA-20-172

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Lisa	Peterson	lisa.r.peterson@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_20-172_AA-20-172
Catherine	Phillips	Catherine.Phillips@wecenergygroup.com	Minnesota Energy Resources	231 West Michigan St Milwaukee, WI 53203	Electronic Service	No	OFF_SL_20-172_AA-20-172
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_20-172_AA-20-172
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-172_AA-20-172
Kristin	Stastny	kstastny@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 South 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-172_AA-20-172
Andrew	Sudbury	Andrew.Sudbury@CenterPointEnergy.com	CenterPoint Energy Minnesota Gas	505 Nicollet Mall PO Box 59038 Minneapolis, MN 55459-0038	Electronic Service	No	OFF_SL_20-172_AA-20-172
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_20-172_AA-20-172
Mary	Wolter	mary.wolter@wecenergygroup.com	Minnesota Energy Resources Corporation (HOLDING)	231 West Michigan St Milwaukee, WI 53203	Electronic Service	No	OFF_SL_20-172_AA-20-172
Donald	Wynia	donald.wynia@centerpointenergy.com	CenterPoint Energy	CenterPoint Energy 505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-172_AA-20-172

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Tamie A.	Aberle	tamie.aberle@mdu.com	Great Plains Natural Gas Co.	400 North Fourth Street Bismarck, ND 585014092	Electronic Service	No	OFF_SL_17-285_Official
Kristine	Anderson	kanderson@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Lane PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_17-285_Official
Carolyn	Berninger	cberninger@mncenter.org	Minnesota Center for Environmental Advocacy	26 E Exchange St Ste 206 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_17-285_Official
James J.	Bertrand	james.bertrand@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
Brenda A.	Bjorklund	brenda.bjorklund@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
C. Ian	Brown	office@gasworkerslocal340.com	United Association	Gas Workers Local 340 312 Central Ave SW Minneapolis, MN 55414	Electronic Service	No	OFF_SL_17-285_Official
James	Canaday	james.canaday@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota St. St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_17-285_Official
Steve W.	Chriss	Stephen.chriss@walmart.com	Wal-Mart	2001 SE 10th St. Bentonville, AR 72716-5530	Electronic Service	No	OFF_SL_17-285_Official
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	No	OFF_SL_17-285_Official
Marie	Doyle	marie.doyle@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall P O Box 59038 Minneapolis, MN 554590038	Electronic Service	No	OFF_SL_17-285_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_17-285_Official
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_17-285_Official
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St. Paul, MN 55101	Electronic Service	No	OFF_SL_17-285_Official
Katherine	Hinderlie	katherine.hinderlie@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_17-285_Official
Bruce L.	Hoffarber	bhoffarber@kinectenergy.com	Kinect Energy Group	605 North Highway 169 Ste 1200 Plymouth, MN 55441	Electronic Service	No	OFF_SL_17-285_Official
Mary	Holly	mholly@winthrop.com	Winthrop & Weinstine, P.A.	225 S Sixth St Ste 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
Nicolle	Kupser	nkupser@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Ln PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_17-285_Official
Daniel	LeFevers	dlefevers@gti.energy	GTI	1700 S Mount Prospect Rd Des Plaines, IL 60018	Electronic Service	No	OFF_SL_17-285_Official
Amber	Lee	Amber.Lee@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
Roger	Leider	roger@mnpropane.org	Minnesota Propane Association	PO Box 220 209 N Run River Dr Princeton, MN 55371	Electronic Service	No	OFF_SL_17-285_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Eric	Lindberg	elindberg@mncenter.org	Minnesota Center for Environmental Advocacy	1919 University Avenue West Suite 515 Saint Paul, MN 55104-3435	Electronic Service	No	OFF_SL_17-285_Official
Michael	Loeffler	mike.loeffler@nngco.com	Northern Natural Gas Co.	CORP HQ, 714 1111 So. 103rd Street Omaha, NE 681241000	Electronic Service	No	OFF_SL_17-285_Official
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_17-285_Official
Joseph	Meyer	joseph.meyer@ag.state.mn.us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	No	OFF_SL_17-285_Official
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_17-285_Official
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
Samantha	Norris	samanthanorris@alliantenergy.com	Interstate Power and Light Company	200 1st Street SE PO Box 351 Cedar Rapids, IA 524060351	Electronic Service	No	OFF_SL_17-285_Official
Mike	OConnor	moconnor@ibewlocal949.org	Local 949 IBEW	12908 Nicollet Ave S Burnsville, MN 55337	Electronic Service	No	OFF_SL_17-285_Official
Greg	Palmer	gpalmer@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Ln PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_17-285_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	No	OFF_SL_17-285_Official
Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy	26 E Exchange St, Ste 206 St. Paul, MN 551011667	Electronic Service	No	OFF_SL_17-285_Official
Elizabeth	Schmiesing	eschmiesing@winthrop.com	Winthrop & Weinstine, P.A.	225 South Sixth Street Suite 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_17-285_Official
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	No	OFF_SL_17-285_Official
Peggy	Sorum	peggy.sorum@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	200 S 6th St Ste 470 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_17-285_Official
Samantha	Williams	swilliams@nrdc.org	Natural Resources Defense Council	20 N. Wacker Drive Ste 1600 Chicago, IL 60606	Electronic Service	No	OFF_SL_17-285_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine	225 South Sixth Street, Suite 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_17-285_Official
Jonathan	Wolfgram	Jonathan.Wolfgram@state.mn.us	Office of Pipeline Safety	Minnesota Department of Public Safety 445 Minnesota Street Suite 147 St. Paul, MN 55101-1547	Electronic Service	No	OFF_SL_17-285_Official
Scott	Zemke	szemke@capsh.org	Community Action Partnership	of Suburban Hennepin 8800 Highway 7 Ste 401 St. Louis Park, MN 55426	Paper Service	No	OFF_SL_17-285_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
David	Aafedt	daafedt@winthrop.com	Winthrop & Weinstine, P.A.	Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Tamie A.	Aberle	tamie.aberle@mdu.com	Great Plains Natural Gas Co.	400 North Fourth Street Bismarck, ND 585014092	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Kristine	Anderson	kanderson@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Lane PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Carolyn	Berninger	cberninger@mncenter.org	Minnesota Center for Environmental Advocacy	26 E Exchange St Ste 206 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
James J.	Bertrand	james.bertrand@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Brenda A.	Bjorklund	brenda.bjorklund@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
C. Ian	Brown	office@gasworkerslocal340.com	United Association	Gas Workers Local 340 312 Central Ave SW Minneapolis, MN 55414	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
James	Canaday	james.canaday@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota St. St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-524_Official Service List 19-524
Melodee	Carlson Chang	melodee.carlsonchang@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Steve W.	Chriss	Stephen.chriss@walmart.com	Wal-Mart	2001 SE 10th St. Bentonville, AR 72716-5530	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-524_Official Service List 19-524
Richard	Dornfeld	Richard.Dornfeld@ag.state.mn.us	Office of the Attorney General-DOC	Minnesota Attorney General's Office 445 Minnesota Street, Suite 1800 Saint Paul, Minnesota 55101	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Marie	Doyle	marie.doyle@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall P O Box 59038 Minneapolis, MN 554590038	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Annete	Henkel	mui@mnuilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Katherine	Hinderlie	katherine.hinderlie@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_19-524_Official Service List 19-524
Bruce L.	Hoffarber	bhoffarber@kinectenergy.com	Kinect Energy Group	605 North Highway 169 Ste 1200 Plymouth, MN 55441	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Mary	Holly	mholly@winthrop.com	Winthrop & Weinstine, P.A.	225 S Sixth St Ste 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Nicolle	Kupser	nkupser@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Ln PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Daniel	LeFevers	dlefevers@gti.energy	GTI	1700 S Mount Prospect Rd Des Plains, IL 60018	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Amber	Lee	Amber.Lee@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Roger	Leider	roger@mnpropane.org	Minnesota Propane Association	PO Box 220 209 N Run River Dr Princeton, MN 55371	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Eric	Lindberg	elindberg@mncenter.org	Minnesota Center for Environmental Advocacy	1919 University Avenue West Suite 515 Saint Paul, MN 55104-3435	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Michael	Loeffler	mike.loeffler@nngco.com	Northern Natural Gas Co.	CORP HQ, 714 1111 So. 103rd Street Omaha, NE 681241000	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Joseph	Meyer	joseph.meyer@ag.state.mn.us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Samantha	Norris	samanthanorris@alliantenergy.com	Interstate Power and Light Company	200 1st Street SE PO Box 351 Cedar Rapids, IA 524060351	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Mike	OConnor	moconnor@ibewlocal949.org	Local 949 IBEW	12908 Nicollet Ave S Burnsville, MN 55337	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Greg	Palmer	gpalmer@greatermngas.com	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	1900 Cardinal Ln PO Box 798 Faribault, MN 55021	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_19-524_Official Service List 19-524
Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy	26 E Exchange St, Ste 206 St. Paul, MN 551011667	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Elizabeth	Schmiesing	eschmiesing@winthrop.com	Winthrop & Weinstine, P.A.	225 South Sixth Street Suite 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-524_Official Service List 19-524
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Peggy	Sorum	peggy.sorum@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	200 S 6th St Ste 470 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Andrew	Sudbury	Andrew.Sudbury@CenterPointEnergy.com	CenterPoint Energy Minnesota Gas	505 Nicollet Mall PO Box 59038 Minneapolis, MN 55459-0038	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Samantha	Williams	swilliams@nrdc.org	Natural Resources Defense Council	20 N. Wacker Drive Ste 1600 Chicago, IL 60606	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine	225 South Sixth Street, Suite 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Jonathan	Wolfgram	Jonathan.Wolfgram@state.mn.us	Office of Pipeline Safety	Minnesota Department of Public Safety 445 Minnesota Street Suite 147 St. Paul, MN 55101-1547	Electronic Service	No	OFF_SL_19-524_Official Service List 19-524
Scott	Zemke	szemke@capsh.org	Community Action Partnership	of Suburban Hennepin 8800 Highway 7 Ste 401 St. Louis Park, MN 55426	Paper Service	No	OFF_SL_19-524_Official Service List 19-524