

March 1, 2022 PUBLIC DOCUMENT

Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
Saint Paul, Minnesota 55101-2147

RE: PUBLIC Comments of the Minnesota Department of Commerce, Division of Energy Resources

Docket No. E002/M-20-743

Dear Mr. Seuffert:

Attached are the **PUBLIC** comments of the Minnesota Department of Commerce, Division of Energy Resources (Department) in the following matter:

2021 Sales Actual Data and Related Revenue Calculations submitted by Northern States Power Company d/b/a Xcel Energy (Xcel Energy or the Company), pursuant to the Minnesota Public Utilities Commission's (Commission) April 2, 2021 Order Approving True-Ups With Modifications And Requiring Xcel To Withdraw Its Notice of Change In Rates and Interim Rate Petition.

The Sales True-Up Compliance Filing was filed on February 1, 2022 by:

Lisa R. Peterson Manager, Regulatory Analysis Xcel Energy 414 Nicollet Mall Minneapolis, Minnesota 55401

The Department reviewed the Company's compliance filing and recommends **approval** and is available to respond to any questions the Minnesota Public Utilities Commission may have on this matter.

Sincerely,

/s/ SACHIN SHAH /s/ CHRISTOPHER DAVIS
Rates Analyst Rates Analyst Coordinator

SS/CD/ar Attachment



Before the Minnesota Public Utilities Commission

PUBLIC Comments of the Minnesota Department of Commerce Division of Energy Resources

Docket No. E002/M-20-743

I. INTRODUCTION

On June 12, 2017, the Minnesota Public Utilities Commission (Commission) issued its Findings of Fact, Conclusions of Law, and Order (June 12 Order); concerning the request by Northern States Power Company d/b/a Xcel Energy (Xcel or NSP or the Company) to increase electric rates in Minnesota on a multi-year basis in docket E002/GR-15-826 (Docket 15-826).

In the Docket 15-826, the Commission approved a four-year multi-year rate plan (2015 MYRP) for the Company. That MYRP expired on December 31, 2019. On November 1, 2019, in Docket No. E002/M-19-688 (Docket 19-688), Xcel filed a Stay Out Proposal for 2020 that included three separate true-ups, (1) a sales true-up for all classes; (2) a capital true-up; and (3) a property tax true-up. In addition, Xcel requested a one-year delay in increasing the accrual to the nuclear decommissioning trust (NDT) in Docket No. E002/M-17-828. On March 13, 2020, the Commission issued its Order Approving True-Ups and Requiring Xcel to Withdraw Its Notice of Change in Rates and Interim Rate Petition.

However, on October 1, 2020 in Docket No. E002/M-20-743 (Docket 20-743), Xcel filed its Stay Out Proposal for 2021 that included three separate true-ups, (1) a sales true-up for all classes; (2) a capital true-up; and (3) a property tax true-up. In addition, Xcel requested a one-year delay in increasing the accrual to the nuclear decommissioning trust (NDT).¹

In its Stay Out Proposal for 2021, the Company requested approval of the following:

- A 2021 sales true-up that would operate similarly to the currentlyapproved sales true-up established in the Company's 2015 MYRP (but that would apply to all customer classes) and currently approved for 2020 in Docket 19-688;
- A 2021 capital true-up that would operate consistently with the current capital true-up established in the Company's 2015 MYRP;
- A 2021 property tax true-up that would operate consistently with the current property tax true-up established in the Company's 2015 MYRP; and
- Commission approval to delay any increase to the NDT accrual until January 1, 2022, or alternatively, approval of an actual deferral so the Company would fund the increased accrual in 2021 and recover that expense in a future rate case.

¹ Xcel's 2021 true-up proposal was initially filed on September 16, 2020 as part of Xcel's COVID-19 relief and recovery filing, in Docket Nos. E,G-999/CI-20-492 and E,G-002/M-20-716.

PUBLIC DOCUMENT

Docket No. E002/M-20-743 Analyst(s) assigned: Sachin Shah

Page 1

On April 2, 2021 the Commission issued its order approving the three true-ups and allowing a one-year delay in increasing nuclear decommissioning accrual. In its April 2, 2021 *Order Approving True-Ups With Modifications and Requiring Xcel to Withdraw Its Notice of Change in Rates and Interim Rate Petition*, (April 2 Order) the Commission included the following ordering points:

- Xcel's Stay Out Proposal is approved as modified on the condition that Xcel comply with the commitments included in this order and withdraw its rate case filed in Docket No. E-002/GR-20-723.
- 2. Xcel's request to extend the 2021 sales true-up for all customers classes is approved.
- 3. Xcel's request to separately calculate the Other Sales to Public Authority (OSPA) Class's true-up is approved.
- 4. When Xcel seeks recovery of any 2021 sales true-up amounts, the Company must provide an option to calculate sales true-ups for Demand customers separately for each of the Demand classes based on the sales changes for that specific class.
- 5. The Commission does not authorize use of ADIT for the 2021 sales true-up.
- Xcel must use actual 2021 sales revenues when calculating its 2021 sales true-up amount and must remove the language that states that the true-up will include all discounts and incentive rates approved by the Commission.
- 7. The recovery period for any Demand class surcharge is extended from 12 to 21 months.
- 8. Xcel's Minnesota jurisdictional earnings for 2021 are capped at a 9.06 percent ROE, and if Xcel's ROE is greater than 9.06, Xcel must return the excess earnings via the 2021 sales true-up.
- 9. Xcel's request to extend its capital and property tax true-ups for all customer classes is approved, with the exclusion of all Tranche 1 and electric vehicle rebates from the calculation.
- 10. For 2021, Xcel must maintain the annual decommissioning accrual at the \$14,030,831 per year amount currently included in base rates and maintain end-of-life accrual at the currently approved amount of \$2,087,026.
- 11. Xcel's continuation of the LED deferral is approved for one additional year (through 2021).

Docket No. E002/M-20-743 PUBLIC DOCUMENT

Analyst(s) assigned: Sachin Shah

Page 2

12. The Commission accepts Xcel's commitment to not seek recovery of all pandemic related costs, including bad debt costs, that are deferred and being tracked pursuant to the Order Approving Accounting Request and Taking Other Action Related to COVID-19 Pandemic issued on May 22, 2020 in Docket No. E,G-999/M-20-427, and to withdraw its request for deferral in that docket.

- 13. The Commission accepts Xcel's commitment to pay for \$17.5 million of bill credits proposed in the residential payment plan credit program filed in Docket No. E-002/M-20-760. Should any portion of the \$17.5 million not be used to pay for the costs of the program, Xcel commits the remaining funds to be used to fund similar programs at the Commission's discretion.
- Xcel must file revised tariff language and any other documentation as needed to demonstrate compliance with this order.
- 15. The Commission hereby delegates authority to the Executive Secretary to vary time periods and approve notices for the duration of the proceeding in this docket and any other proceeding that stems from this matter.
- 16. This order shall become effective immediately.

On June 30, 2021, Xcel submitted a letter in Docket Nos. E002/GR-20-723 and E002/M-20-748 formally withdrawing its *Notice of Change in Rates and Interim Rate Petition* in accordance with Ordering Paragraph 1 of the April 2 Order.

On February 1, 2022, Xcel submitted its 2022 Sales Data and Related Revenue Calculations (Compliance Filing) in accordance with Ordering Paragraphs 1 through 7 of the April 2 Order.

On February 9, 2022 the Commission issued a *Notice of Comment Period* (Notice) on Xcel's Compliance Filing. The Commission listed the following topics as being open for discussion in comments:

- Does Xcel's filing comply with the Commission's April 2, 2021 Order and should it be accepted?
- Should Xcel be allowed to begin recovery of its 2021 sales trueup on April 1, 2022?
- How do Xcel's 2021 conservation savings compare with prior years?
- Are there other issues or concerns related to this matter?

The Minnesota Department of Commerce, Division of Energy Resource (Department) reviewed Xcel Energy's Compliance Filing on Sales Data and Related Revenue Requirements and submits these comments.

Page 3

II. DEPARTMENT ANALYSIS

- A. RESPONSE TO THE COMMISSION NOTICE SALES TRUE-UP
 - 1. Does Xcel's filing comply with the Commission's April 2, 2021 Order and should it be accepted?

As mentioned above, Xcel's filing complies with Ordering Paragraphs 1 through 7 of the April 2 Order as described below, and as a result should be accepted.

The Department recommends that the Commission accept and approve the Company's Sales True-Up proposal for 2021 as outlined in Xcel's Compliance Filing, for the reasons discussed below.

2. Should Xcel be allowed to begin recovery of its 2021 sales true-up on April 1, 2022?

The Department recommends that Xcel be allowed to begin recovery of its 2021 sales true-up on April 1, 2021.

The Company outlined the steps and the mechanics of the recovery of its sales true-up on pages 29-30 of its October 1, 2020 filing.²

In its Compliance Filing at page 2, Xcel stated the following:

Total actual 2021 retail sales for January-December 2021 are 28,814,203 megawatt hours (MWh). This represents a 4.8 percent decrease from 2016 test year weather-normalized retail sales as reported in our February 6, 2017 true-up compliance filing in Docket No. E002/GR-15-826. Attachment A to this filing provides a summary comparison between the January-December 2016 test year and 2021 sales and customer counts for all classes. The comparison is provided in monthly detail in Attachment B. Attachment C provides the related weather-normalization calculations.

In its Compliance Filing at pages 6-7, Xcel stated the following:

The total 2021 sales true-up amount before the prior year true-up charge is \$63.922 million. The sales true-up compares 2021 revenues to the revenues produced under test year 2016 sales plus the assumed Demand class revenue growth for year 2018.⁴ The 2021 revenues are based on current rates that went into effect June 1, 2019 and include the impact of the reductions due to the Tax Cuts and Jobs Act.⁵ The 2020 sales true-up adjustments also recognize estimated over-collections by class from the prior year's true-up. Including the prior year over-collected total true-up of \$4.495 million, the total 2021 sales true-up is \$59.427 million (inclusive of the non-decoupled revenue growth of \$9.916 million).³

² See Xcel's October 1, 2020 Filing in Docket No. 20-743 (ID <u>202010-166988-01</u>).

³ Company agreed to limit the 2021 Commercial and Industrial Demand Class growth to the 2018, 2019 and 2020 levels. See Docket No. E002/M-19-688, *Petition for Approval of True-Up Mechanisms*, page 10, item 3. See Docket No. E002/M-20-743,

Page 4

The current 2021 sales true-up varies by customer class. The Company separately calculated the Other Sales to Public Authority (OSPA) customer class true-up, pursuant to Order Point 3 of the Commission's April 2, 2021 Order in the present docket. The 2021 sales true-up will be credited or surcharged to customers through rate adjustment factors applied to bills for the 12-month period of April 1, 2022 through March 31, 2023. The Demand class rate adjustment factors will be applied to bills for a 21 month period of April 1, 2022 through December 31, 2023, pursuant to Order Point 7 of the Commission's Order. The calculation of class adjustment factors is provided in Attachment F, page 1 of 2.

In its Compliance Filing at pages 7-8, Xcel stated the following:

The surcharges and credits for the 2021 sales true-up are listed in the table 5 below. They will appear on applicable customer bills beginning April 1, 2022.

Customer	Sales Difference		Base Revenue	Surcharge	
Classification	MWH Percent		\$1,000's	Percent	Factor / kWh
Residential	653,456	7.58%	\$63,696	7.19%	-0.00736
Commercial	-67,006	-7.63%	-\$4,817	-5.88%	0.00586
Demand	-2,000,859	-9.74%	-\$118,397	-9.60%	0.00364
Other Public Auth.	2,943	4.59%	\$363	6.46%	-0.00572
Lighting-Metered	-1592	-4.37%	-\$38	-2.09%	0.00110
Interdepartmental	-4,141	-55.21%	-\$234	-54.75%	0.03823
Total	-1,417,198	-4.70%	-\$59,427	-2.69%	

^{4.} As defined in the August 16, 2016 Stipulation of Settlement, Attachment 5, point 2, Non-Decoupled Revenue Growth.

^{5.} In the Matter of a Commission Investigation into the Effects on Electric and Natural Gas Utility Rates and Services of the 2017 Federal Tax Act, Docket No. E,G999/CI-17-895, Order Responding to Changes in Federal Tax Law at 13 (December 5, 2018).

Xcel's 2021 true-up proposal (page 29, item 3) that was initially filed on September 16, 2020 as part of Xcel's COVID-19 relief and recovery filing, in Docket Nos. E,G-999/CI-20-492 and E,G-002/M-20-716.

Page 5

The Department's analysis indicates that the \$59.427 million referenced above is correct, since the Company's calculations associated with the actual 2021 retail sales are correct (the calculations of the base revenues incorporate the impacts of the Tax Cut and Jobs Act of 2017 or TCJA as discussed below). Xcel's calculations were based on normal weather and associated calculations that were used and approved in setting the 2017-2019 test year final present revenues and thus, base rates for 2021 remained unchanged as described in the Company's October 1, 2020 Stay Out Proposal for 2021.

Over the 2015 MYRP, the Demand class has had the largest MWh decline. This information can be seen in the Company's sales true-up compliance filings in the 2015 MYRP,⁴ and discussed in the Department's comments analyzing the sales true-ups in Docket 15-826.⁵ Reduction in sales to the Demand class accounted for over 99 percent of the overall declines in each year except 2020 and 2021.⁶ In addition, Company Witness Jannell E. Marks, in her Direct Testimony in Xcel's 2019 MYRP stated that sales have been declining since 2009 due in part to "the loss of specific large customer loads from the customers' addition of combined heat and power operations" and "the loss of load for several Large Commercial and Industrial [LCI] customers in 2012-2013 and 2017-2018."

B. XCEL'S CONSERVATION IMPROVEMENT PROGRAM RESULTS

In its *Errata* to its Compliance Filing, Xcel Energy at page 3 stated the following:

Actual C&I sales in 2021 decreased by 2,069,481 MWh from the weather-normalized 2016 Test Year sales. Changes between 2016 weather normalized sales and 2021 sales are the result of several factors: Demand Side Management (DSM) program savings achievements, customers adding combined heat and power (CHP) generation, customers either moving out of the service territory or reducing/shutting down operations, distributed solar generation, weakened economic conditions due to the COVID-19 pandemic, and the impact of local weather conditions on sales. As discussed above, warmer than normal weather contributed to this year's C&I sales levels by 180,001 MWh..

As shown in Table 1 below, cumulative business sector DSM achievements from 2017 through 2021 account for 2,074,957 MWh of C&I sales reductions from the 2016 Test Year sales.

⁴ Specifically in the February 1, 2018 Compliance filings (Attachments D through I; docket ID <u>20182-139685-01</u>), the Company's April 16, 2018 Reply Comments (Attachment A; ID <u>20184-142038-01</u>); in the Company's February 1, 2019 filing (Attachments D through J; ID <u>20192-149944-01</u>); and in the Company's January 31, 2020 filing (Attachments D through J; ID <u>20201-159963-01</u>) from the 2015 MYRP.

⁵ See Department's April 4, 2018 Comments (ID <u>20184-141681-01</u>); March 4, 2019 Comments (ID <u>20193-150845-01</u>); and <u>March 2, 2020 Comments (ID <u>20203-160874-02</u>) in Docket 15-826.</u>

 $^{^6}$ For 2017 it was 99 percent (255,553/258,193 = 0.990); 2018 - 99.6 percent (341,907/343,265 = 0.996); 2019 - 99.6 percent (982,885/986,789 = 0.996); 2020 - 95.2 percent (2,424,797/2,548,064 = 0.952, excluding the residential sales increase); and 2021 - 94.3 percent (2,000,859/2,120,977 = 0.943, excluding the residential sales and OPA increase).

⁷ See November 1, 2019 Direct Testimony of Jannell E. Marks at pages 15 and 24 in Docket 19-564.

Page 6

As shown in the following table (which is a reproduction of Table 1 from Xcel's filing), Xcel stated that its cumulative business sector DSM achievements from 2017 through 2021 account for 2,074,957 MWh of Commercial and Industrial (C&I) sales reductions from the 2016 Test Year sales.

Table 2: NSP-Minnesota Annual Business Sector DSM Achievements (MWh)

	Incremental Business DSM Achievements
2017	463,792
2018	478,638
2019	334,192
2020	360,730
2021	437,605
Cumulative Achievements	1,637,352

In Attachment A of its Compliance filing, Xcel Energy provided the information below.

<u>Table 3: Average Customer Counts</u> 2016 2021 **Difference Test Year** <u>Actual</u> **Difference** Residential without Space Heat 1,097,234 1,145,405 48,171 4.4% Residential with Space Heat 33,873 40,790 6,917 20.4% Small Commercial & Industrial 4,258 3.2% 131,350 135,608 Large Commercial & Industrial 503 497 -1.2% -6 Public Street & Highway Lighting 4,392 5,626 1,234 28.1% Other Sales to Public Authority 2,056 -596 -29.0% 1,460 Interdepartmental -64.1% 13 5 -8 **Total Retail** 1,269,421 59,969 4.7% 1,329,390

Actual sales compared to 2016 Test Year sales are as shown below:

	Table 4: Actual Sales (MWh)					
	2016	2021				
	Test Year	<u>Actual</u>	<u>Difference</u>	<u>Difference</u>		
Residential without Space Heat	8,227,581	8,859,535	631,954	7.7%		
Residential with Space Heat	395,914	416,625	20,711	5.2%		
Small Commercial & Industrial	13,289,254	12,221,784	-1,067,470	-8.0%		
Large Commercial & Industrial	8,159,184	7,157,573	-1,002,011	-12.3%		
Public Street & Highway Lighting	134,901	88,337	-46,564	-34.5%		
Other Sales to Public Authority	64,046	66,989	2,943	4.6%		
Interdepartmental	7,500	3,359	-4,141	-55.2%		
Total Retail	30,278,780	28,814,203	1,464,578	-4.8%		

Page 7

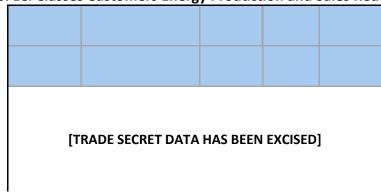
The Company stated that in the 2016 test year, there were no Customer-operated combined heat and power (CHP) plants. However, over the past few years three customers have added CHP plants, which has contributed to the observed decline in Demand class sales. In addition, Xcel stated that a portion of the decline in C&I sales from 2016 to 2021 has been a result of customers either relocating out of the Minnesota service territory or reducing/shutting down operations.

The Company also has seen some reduction in C&I sales due to behind-the-meter solar generation (BTMG Solar). The table below provides the estimated MWh of BTMG Solar for 2016-2021. Total C&I MWh of BTMG Solar increased by 57,085 MWh from 2016 to 2020 (85,087 MWh – 28,002 MWh = 57,085 MWh).

Table 5: NSP-Minnesota Behind-the-Meter Solar Generation (MWh)8

	Small C&I MWh	Small C&I MWh Large C&I MWh	
2016	23,704	4,297	28,002
2017	23,624	3,341	26,964
2018	27,715	4,575	32,289
2019*	39,228	3,383	42,611
2020*	49,079	3,298	52,376
2021	76,355	8,732	85,087

Table 6: LCI Classes Customers Energy Production and Sales Reductions⁹



⁸ In Docket No. E002/M-19-688, the 2019 numbers for Small C&I (SCI) was 41,400 MWh and the total was 44,783 MWh; the 2020 number for SCI was 60,581 MWh and for Large C&I it was 3,105 MWh for a total of 63,685 MWh. The Company's explanation for the different values for 2019 and 2020 is as follows:

^{*} The 2019 and 2020 DG solar figures have changed since the Company's 2020 sales true-up report, because the query used for the present filing reflects invoice adjustments that were not available when the query for the 2020 report was conducted.

⁹ See Department Attachment 3.

Page 8

It is important to remember that there will be differences between the 2016 test year and actual 2021 year's numbers given that there will be other changes for reasons including but not limited to:

- First, there could be customer gains and/or losses in the intervening periods;
- Second, there will be differences in economic and/or weather conditions between the base year and the comparison year(s); and
- Third, as mentioned above, there are factors such as CHP, and BTMG production that can be accounted for in a customer's historical consumption in addition to all of the incremental conservation that could account for the difference between what is embedded in the base year and the comparison year(s).

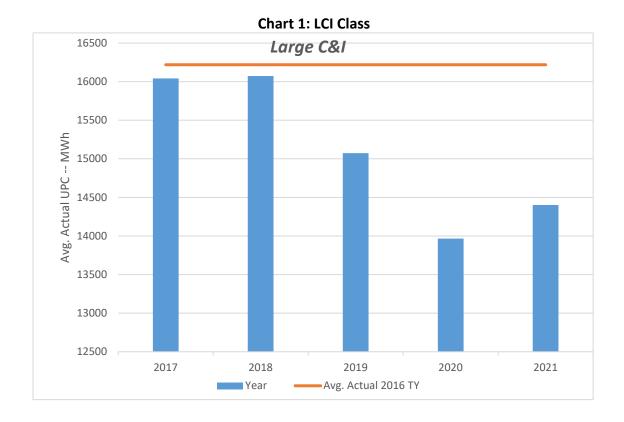
Thus, in summary the factors impacting the decline in the Demand class are as follows:

- customer-operated CHP generation;
- behind-the-meter (BTMG) solar generation;
- customers either relocating out of Xcel's Minnesota service territory or reducing/shutting down operations;
- potential customer growth that offsets part of the decline or potential customer decline;
 and
- differences in economic and/or weather conditions and, a combination of the Company's and/or customers' CIP Portfolio.

There are approximately 497 customers in the LCI category. The chart below shows the average total actual use per customer (UPC) in the 2016 test year versus the intervening period between 2017 and 2021. Of the factors that have contributed to the Demand class sales decline, for example, the installation of additional BTMG Solar facilities, could continue in 2022 and beyond, resulting in further sales decline.¹⁰

¹⁰ See Department Attachment 1.

Page 9



In addition, the Company stated the following at page 7 for the Lighting class:

The Lighting class surcharge factor was determined exclusively with information for the Street Lighting Energy Service – Metered rate schedule, for application only to this same rate schedule. All other lighting base rates are a fixed amount per lighting unit that separates base revenue collection from sales changes. This approach recognizes that the majority of the 2021 lighting sales reduction is associated with the LED conversion of fixed rate lighting and does not impact sales revenues. This approach is consistent with prior year sales true-up determinations.

The chart below compares actual 2016 Test Year sales to actual sales each year from 2017 through 2021.

Page 10

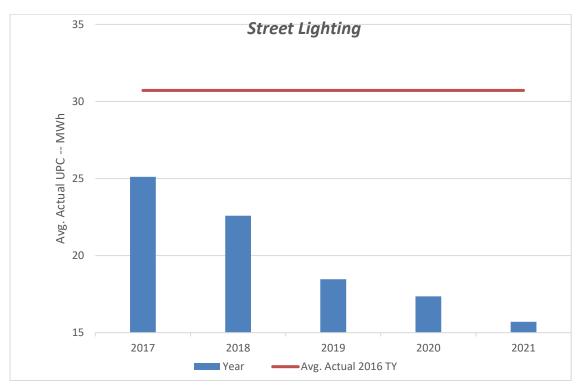


Chart 2: Lighting Class¹¹

C. RESPONSE TO THE COMMISSION NOTICE – CIP ACHIEVEMENTS FOR 2021

1. How do Xcel's 2021 conservation savings compare with prior years?

In its Compliance Filing, Xcel stated the following at page 1:

... We also provide information in Section D below regarding our Conservation Improvement Program (CIP) achievements in 2021, which comply with the Minnesota Department of Commerce's (DOC) July 1, 2020 Letter in Docket No. E002/M-20-180, addressing the streamlining of decoupling annual reports and the criteria required with these reports.²

2 Proposed Streamlining for Annual Revenue Decoupling Evaluation Reports, Docket Nos. E002/M-20-180, G008/M-19-558, G004/M-20-335, and G011/M-20-332 (July 1, 2020), approved in the Commission's March 8, 2021 Order.

¹¹ For the rest of the classes, please see the associated data and charts in Department Attachment 2.

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Page 11

The Company filed its previous Annual Decoupling Reports (Reports) with the Commission in Docket No. E002/GR-13-868 (Docket 13-868) and Docket 15-826. The Commission considered the Company's 2017 Report at its January 31, 2019 Agenda meeting and in its February 6, 2019 Order directed the Company to file all of its future reports in separate dockets. On January 31, 2020, Xcel Energy filed with the Commission the 2019 Annual Decoupling Report in Docket No. E002/M-20-180 (Docket 20-180). 12

At page 9 of its Compliance Filing, the Company further stated the following:

We provide discussion below addressing the DOC's recommendations for streamlining utilities' annual revenue decoupling evaluation reports to inform their narrative describing energy savings before and after implementing revenue decoupling, as detailed in the DOC's July 1, 2021 letter.

The Department observes that the Commission heard the above matter regarding streamlining the decoupling reports and the issues set forth in that docket, at its March 4, 2021 Agenda meeting. On March 8, 2021, the Commission issued its Order. The Department responds to the Commission's question below.

i. Comparing Xcel's 2021 electric conservation savings with prior years.

Table 7 below shows Xcel's first-year electric energy savings¹³ pre-decoupling (2013-2015) and post-decoupling (2016-2021).¹⁴

¹² On February 1, 2019, Xcel Energy filed with the Commission the 2018 Annual Decoupling Report in Docket No. E002/M-19-127 (Docket 19-127).

¹³ First-year energy savings refer to how much energy is saved by an energy conservation improvement measure over the first 12 months of its installation.

¹⁴ Xcel will file its annual CIP status report around April 1, 2022. The CIP staff will review Xcel's 2021 CIP achievements and the Deputy Commissioner will eventually release a Decision about whether Xcel's 2021 claimed energy savings are approved as filed or as modified.

Page 12

Comparing Xcel's 2021 First-Year Savings with Previous Year's First-Year Energy Savings

Table 7: Xcel's First-Year Electric Energy Savings Pre- and Post- Implementation of Revenue Decoupling

	Year	Residential	Commercial	Demand	Lighting	Total
ing		MWh	MWh	MWh	MWh	MWh
ldnc	2013	147,174	19,123	293,211	9	459,517
Pre- Decoupling	2014	122,522	16,436	308,466	0	447,424
Pre-	2015	152,768	17,871	294,093	11	464,743
	Average	140,821	17,810	298,590	7	457,228
	2016	167,826	20,002	323,577	56	511,461
80	2017	170,973	23,336	417,630	81	612,020
uplin	2018	177,759	26,189	428,611	51	632,610
ОЭСО	2019	171,454	22,379	297,284	14	491,131
Post- Decoupling	2020	244,776	25,575	329,645	39	600,035
Po	2021	272,991	27,851	369,975	17	670,834
	Average	200,963	24,222	361,120	43	587,333
		Average Post-I	Decoupling First-	Year Savings/Ave Energy Savings	erage Pre-Decou	upling First Yea
		Residential	Commercial	Demand	Lighting	Total

Average Post-Decoupling First-Year Savings/Average Pre-Decoupling First Year Energy Savings						
Recidential	Commercial	Demand	Lighting	Total		

Residential	Commercial	Demand	Lighting	Total
MWh	MWh	MWh	MWh	MWh
43%	36%	21%	514%	28%

As illustrated in Table 7 above, Xcel's 2021 first-year energy savings exceeded the Company's highest total level (which had been 2018). Xcel achieved its highest ever energy savings in 2021 for the residential, commercial and demand customer classes. Table 7 also illustrates that when comparing the average post-decoupling first-year energy savings to the average pre-decoupling first-year energy savings:

- Residential average first-year energy savings increased 43 percent;
- Commercial average first-year energy savings increased 36 percent;
- Demand average first-year energy savings increased 21 percent;
- Lighting average first-year energy savings increased 514 percent; and
- Total average first-year energy savings increased 28 percent.

Page 13

ii. Comparing Xcel's 2021 First-Year Savings with Previous Year's First-Year Energy Savings

Below, Table 8 shows the lifetime energy savings from 2016-2021 for each of the Company's customer classes and for the entire electric utility.

Year	Residential Lifetime MWh Saved	Commercial Lifetime MWh Saved	Demand Lifetime MWh Saved	Lighting Lifetime MWh Saved	Total Lifetime MWh Saved
2016	1,828,430	284,674	4,924,728	902	7,038,734
2017	1,192,618	300,416	6,503,907	1,328	7,998,269
2018	1,192,866	350,965	6,788,550	852	8,333,233
2019	1,046,309	281,947	4,745,718	227	6,074,201
2020	3,626,520	425,126	5,443,707	675	9,496,028
2021	4,061,961	495,818	6,150,499	763	10,709,041
Average	2,158,117	356,491	5,759,518	791	8,274,917

From the review of Table 8 above, the Department notes that:

- Xcel's total 2021 lifetime energy savings were the highest they have ever been; and
- All of Xcel's 2021 lifetime energy savings were the highest they have ever been for every customer class except for the Lighting customer class.

D. ORDERING PARAGRAPH NO. 14

Ordering Paragraph No. 14 of the Commission's April 2 Order states that "Xcel must file revised tariff language and any other documentation as needed to demonstrate compliance with this order." The Company did not file any "revised tariff language" to comply with Ordering Paragraph No. 14 of the Commission's April 2 Order. However, the Company provided information in Attachment N of the Compliance Filing. The Department recommends that Xcel comply with ordering Paragraph 14 by filing its "revised tariff language" in its Reply Comments.

E. ORDERING PARAGRAPH NO. 4

Ordering Paragraph No. 4 of the Commission's April 2 Order states that "the Company must provide an option to calculate sales true-ups for Demand customers separately for each of the Demand classes based on the sales changes for that specific class." The Company complied with Ordering Paragraph No. 4 of the Commission's April 2 Order by providing the information in Attachment M of the Compliance Filing.

Page 14

F. RESPONSE TO THE COMMISSION NOTICE – ARE THERE OTHER ISSUES OR CONCERNS RELATED TO THIS MATTER?

Ordering paragraph No. 8 of the Commission's April 2 Order states that "Xcel's Minnesota jurisdictional earnings for 2021 are capped at a 9.06 percent ROE, and if Xcel's ROE is greater than 9.06, Xcel must return the excess earnings via the 2021 sales true-up." However, in the Commission's June 14, 2021 Order Denying Reconsideration, (June 14 Order) the Commission included the following ordering points:

- 1. The Commission hereby denies XLI's petition for reconsideration.
- The Commission hereby requires Xcel to hire, at its own expense, an independent auditor to evaluate its 2021 return on equity and file a copy of the independent auditor's evaluation by May 15, 2022.
- Xcel must report improvements to its validation procedures and must hire, at its own expense, an independent auditor to review the Company's validation procedures and resulting revenue requirement deficiency in its next general rate case filing.
- 4. This order shall become effective immediately.

Thus, the Company's compliance with Ordering Paragraph No. 8 of the Commission's April 2 Order cannot be determined until after Xcel complies with Ordering Paragraph 2 of the Commission's June 14 Order. This issue can be addressed through compliance with Ordering Paragraph No. 15 of the Commission's April 2 Order.

G. REFLECTION OF TCJA IMPACT BY ADJUSTING THE SALES TRUE-UP CALCULATIONS

On December 22, 2017, the President of the United States signed into law Pub L. 115-97 (H.R. 1—115th Congress: An Act to provide for reconciliation pursuant to Titles II and V of the concurrent resolution on the budget for fiscal year 2018), which is referred to as the 2017 Federal Tax Act, or the Act. It is also commonly referred to as the Tax Cut and Jobs Act of 2017 or TCJA. Among other things, the Act lowered the federal corporate income tax rate from 35 percent to 21 percent, effective January 1, 2018. The Commission opened Docket No. E,G999/CI-17-895 (Docket 17-895) seeking information and comments.

On December 5, 2018, the Commission issued its *Order Responding to Changes in Federal Tax Law* (17-895 Order). The Department has previously discussed in detail the Company's compliance with Commission's 17-895 Order and will not repeat that discussion here.¹⁵

¹⁵ See Department's April 4, 2018 Comments (ID <u>20184-141681-01</u>); March 4, 2019 Comments (ID <u>20193-150845-01</u>); and <u>March 2, 2020 Comments (ID <u>20203-160874-02</u>) in Docket 15-826. See the Department's March 1, 2021 Comments in Docket 19-688 (ID <u>20213-171458-02</u>).</u>

Docket No. E002/M-20-743 PUBLIC DOCUMENT

Analyst(s) assigned: Sachin Shah

Page 15

The Department concludes that Xcel's sales true-up is consistent with the Commission's decisions in Docket 17-895.

III. DEPARTMENT RECOMMENDATION

Consistent with prior decisions in this proceeding, the Department recommends that the Commission approve Xcel Energy's compliance filing to include a net surcharge of \$59,427,000. The majority of this net surcharge is due to the decrease in sales in the Demand class, as discussed in detail above. The Department recommends that Xcel comply with ordering Paragraph 14 by filing its "revised tariff language" in its Reply Comments. The Department concludes that Xcel's compliance with Ordering Paragraph No. 8 of the Commission's April 2 Order cannot be determined until after the Company complies with Ordering Paragraph 2 of the Commission's June 14 Order. This issue can be addressed through compliance with Ordering Paragraph No. 15 of the Commission's April 2 Order.

/ar

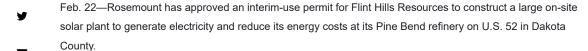
Pioneer Press, St. Paul, Minn.

Rosemount refinery gets city approval for massive onsite solar plant

Nick Ferraro, Pioneer Press, St. Paul, Minn.

February 22, 2022 · 1 min read





Flint Hills says the 45-megawatt solar development would be among the largest of its kind in the United States where all the power is generated and consumed by a single business.



The solar development would be located west of the refinery on 207 acres of farmland owned by Flint Hills, which has a 314-acre site divided by Rich Valley Boulevard/Blaine Avenue.

Last year, the company said it had requested bids from select solar companies that specialize in building commercial-scale solar farms and integrating them within established operations.

Jake Reint, vice president of public affairs for Flint Hills, told the city council last week the company will decide in the next few months whether to proceed with the project.

In 2019, the refinery brought online a combined heat and power system, which produces about 50 megawatts of electricity or roughly 40 percent of what is required to power the refinery's daily operations.

"Together, these two projects will provide more than half of our power in a very, very efficient and a very clean manner," Reint said.

The company's hope is to begin construction this year and complete construction in 2023, he said.

Flint Hills' Pine Bend refinery produces more fuel with less pollution

FEBRUARY 13, 2022 — 2:00PM



There's an adage that underlies investments Flint Hills is making to cut pollution emissions at its Pine Bend refinery, which produces most of the transportation fuels consumed in Minnesota.

You no longer smell the huge refinery in Rosemount before you see it.

Since Minnesota regulators fined Pine Bend \$6.9 million in 1998 for

spills and oil leaks into the nearby Mississippi River, Flint Hills has invested about \$2 billion in emission control and efficiency technology, as

well as restoring 1,600 acres of the Pine Bend Bluffs nature preserve along the Mississippi River.

The huge facility has lowered emissions of traditional pollutants by about 70% as it increases production of diesel, gasoline, jet fuel, asphalt and other petroleum-based products. In 2021, it also received the U.S. Environmental Protection Agency's Energy Star certification as a top-quartile performer among refineries for energy efficiency.

Still, Pine Bend remains among Minnesota's Big 10 emitters of greenhouse gases (GHG), the driver of climate change that results in increasing numbers of environmental disasters that also are economically devastating nationally.

Minnesota Pollution Control Agency (MPCA) statistics reveal that Pine Bend's greenhouse emissions grew 9% between 2012 and 2020. However, the emissions declined nearly 6% since 2010 on a per million-barrels-of-product basis. Pine Bend production rose 20.6% from 2010 to 2021, or 316,000 barrels per day of product.

Pine Bend in 2019 completed a generator that uses natural gas and biowaste to provide 40% of the electric energy needed to power the refinery. Even though that increased carbon emissions somewhat, the generator pollutes less than the power Pine Bend was taking off the electric grid. It also is constructing a solar plant to raise to 50% its internal power generation.

Another innovative technological play allows Pine Bend to convert sulfur pollution emitted from motor fuel refining into a liquid fertilizer product for area farmers.

"This technology also helps us meet the federal government's requirements for producing lower-sulfur, cleaning burning fuels," said Jake Reint, a Pine Bend vice president. "This new technology also resulted in a slight increase in GHG emissions."

ADVERTISEMENT



GLEN STUBBE, STAR TRIBUN

Jeremy Bertsch, an engineering manager for at Flint Hills oil refinery in Rosemount, worked in 2019 on a 50 megawatt power plant that

John Linc Stine, former head of MPCA under Gov. Mark Dayton, said: "They were operating as one of the dirtiest of the dirty in the early 2000s. They are now a corporate leader ... and role model for other refineries."

3/1/22, 11:40 AM

Flint Hills' Pine Bend refinery produces more fuel with less pollution - StarTribune.com

Pine Bend's parent company, Flint Hills Resources, is a Koch Industries subsidiary, long resistant to regulations and pollution controls. However, Pine Bend, which employs 1,000 workers in Rosemount, has become one of the most efficient and cleanest refineries in a dirty business

"We continue to invest in new technologies that can improve our performance, improve efficiency of our operations and reduce emissions associated with the crude oil we process to produce products people ... will need for a very long time," Reint said.

Bill Droessler, an attorney who formerly administered pollution-disaster Superfund sites, has worked as a program officer with Minneapolis-based Environmental Initiative since 2003.

He credits Pine Bend, also an "EI" member, with investing in pollution-abatement programs on its campus and elsewhere, including Project Green Fleet, the yearslong cleanup of 1,000 old Minnesota school buses that spewed dirty diesel fumes.

Neal St. Anthony has been a Star Tribune business columnist/reporter since 1984.

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EXECUTIVE SUMMARY

City Council Regular Meeting: February 15, 2022

Interim Use Permit to Construct a Solar Facility on 314 acres west and southwest of its Pine Bend Refinery	AGENDA SECTION: New Business
Anthony Nemcek, Senior Planner	AGENDA NO. 9.a.
DRAFT Interim Use Permit; Excerpt from the January 25, 2022, Planning Commission Meeting Minutes; Site Location; Preliminary Site Plan	APPROVED BY: LJM
If	Facility on 314 acres west and southwest of its Pine Bend Refinery Anthony Nemcek, Senior Planner DRAFT Interim Use Permit; Excerpt from the January 25, 2022, Planning Commission Meeting Minutes; Site

RECOMMENDED ACTION:

Motion to adopt a resolution approving an interim use permit for Flint Hills Resources to construct a Solar Facility on 314 acres west and southwest of its Pine Bend Refinery, subject to the conditions listed in the Interim Use Permit.

SUMMARY

Applicant: Flint Hills Resources

Location: North of 140th Street East and east of Blaine Avenue AND north of

Bonaire Path and west of Blaine Avenue

Area in Acres: 314 Acres

Comp. Guide Plan Design: AG – Agriculture, LI-Light Industrial, GI-General Industrial

Current Zoning: AG – Agriculture and HI – Heavy Industrial

The City Council is being asked to consider a request by Flint Hills Resources (FHR) for approval of an Interim Use Permit (IUP) to construct a solar facility on 314 acres of applicant-owned land located west and southwest of the Pine Bend Refinery. The system will generate up to 45MW of electricity for use by the refinery. Typically, accessory solar systems are approved administratively by staff via the building permit process. Because of the large size of the proposed facility and the potential for conflicts with future development patterns, staff directed the applicant to apply for an interim use permit with a term of 25 years to allow the City to reassess the conditions of the permit as well as development patterns in the surrounding area. The land on which the facility will be constructed is owned by the applicant and located within an area that the applicant has indicated will be maintained as a buffer between the refinery and the developing portion of the City. Therefore, staff is not anticipating future development in the vicinity of the site. This request is unusual in that the size of the project falls under the threshold that would require a site plan review given the vastness of the refinery, and solar systems that are accessory to a principal use do not require an IUP. The plans provided by the applicant are very preliminary, but the applicant is seeking IUP approval prior to devoting the significant resources to the development of materials that will be needed by various agencies to review.

Because the project area is greater than 100 acres, an environment assessment worksheet (EAW) must be produced to ascertain whether an environmental impact statement (EIS) will be required. The City's consultant, WSB, is working with the applicant on the drafting of the EAW. Acceptance of the EAW is

included as a condition of approval. Additionally, the applicant will be producing a tree inventory as part of its grading permit application. Submittal of that document is also listed as a condition of approval, although staff does not anticipate any required tree replacement due to the three large stands of trees that the applicant is leaving untouched as part of the project. The applicant does have an ongoing tree planting program through which over 1,000 trees are planted each year, which likely aligns with the intent of the tree preservation ordinance. The Planning Commission and staff are recommending approval of the request.

PLANNING COMMISSION ACTION

The Planning Commission held a public hearing during its meeting on January 15, 2022, to review the request and receive public comment. The commission received comments from one resident with concerns about traffic along the unpaved portion of Bonaire Path. It's the understanding of staff and the applicant, that traffic bringing construction materials to the site would use Blaine Avenue/Rich Valley Boulevard for access. The Commission wondered whether the applicant had considered building the solar facility vertically to reduce the amount of land used by the project. The Commission also inquired about the process in the case that tree removal exceeded what was expected. Staff provided a brief explanation that if the total amount of trees removed exceeded the threshold that would trigger replacement, the applicant would work with staff to identify the amount and location of replacement trees.

The Planning Commission voted unanimously to recommend City Council approve the Interim Use Permit to allow Flint Hills Resources to construct a solar facility on 314 acres west and southwest of its Pine Bend Refinery.

BACKGROUND

Ordinance Creation

In March of 2014, the City Council approved Ordinance B-229 related to Alternative Energy Systems. Prior to approval both the Planning Commission and City Council reviewed the ordinance during multiple meetings. During this review the City Council expressed concerns with proposed height and screening standards. In the end, the Council directed staff to revise the ordinance to require ground mounted solar energy systems, community solar gardens or solar farms be screened from view of the public right-of-way to the extent possible without reducing their efficiency by setback, berming, landscaping, walls or a combination thereof.

Facility Description

The solar project area will consist of individual solar modules and support equipment surrounded by fencing. There is significant existing vegetation along the east side of Blaine Avenue/Rich Valley Boulevard that will be retained as it provides screening of the refinery. The applicant has indicated that they will provide screening in the form of trees wherever it will not impact the efficiency of the solar panels. A condition of approval is included that a formal landscape plan be submitted for staff review prior to issuance of a building permit for staff to calculate the necessary landscape surety as required by City Code. Because the project straddles multiple public roadways, there will be several access points into the different parts of the facility. The applicant is planning to install tracking solar panels that move with the position of the sun to generate the greatest amount of energy possible. The foundations will likely be a driven steel pier and typically do not require concrete. Concrete pads or footings may be required for the inverter skids. Areas of bare ground at the facility will be re-vegetated with a low-growing seed mix that will include plant varieties that attract pollinators. Because the existing use of the site is agricultural in nature, restoring the entire site's vegetation to native plants will be a lengthy process that will occur in coordination with other restoration activities initiated by the applicant.

ISSUE ANALYSIS

Legal Authority

Interim use permit requests are considered a quasi-judicial action. In such cases, the City is acting as a judge to determine if the regulations within the Comprehensive Plan, Zoning Ordinance and Subdivision Ordinance are being followed. Generally, if the application meets these requirements it must be approved. The applicable standards, along with staff findings related to each are provided below.

Interim Use Permit Review

Interim Use Permits are intended to permit the temporary use of a property for a specific use until a particular date, the occurrence of a particular event, or if zoning regulations no longer permit the proposed use. The general standards and findings necessary for reviewing an IUP application are outlined in Section 11-10-08 and detailed below. The City must approve or deny each IUP request based on review of these criteria. Should the City approve an IUP request, it may attach conditions to mitigate anticipated adverse impacts associated with the use, ensure compliance with the standards of approval, protect the value of other property, and achieve the goals and objectives of the comprehensive plan.

Setbacks and Height

The proposed project lies within the AG and HI zoning districts. The AG district contains a minimum 50' front yard and 30' rear and side yard setbacks. The HI district requires a minimum setback of 75' for all structures under 35' in height. The plans provided by the applicant indicate setbacks ranging from 97' to 191' at all property boundaries facing a public right of way. All adjacent parcels are owned by the applicant, and even greater setbacks are provided from those property lines.

The maximum height for ground mounted solar systems is 15'. The applicant provided an elevation showing the maximum height of the panels to be 14'. Because the solar panels will track the sun, the height of the panels will be 9' when they are in a horizontal position.

Screening. The Alternative Energy Systems ordinance requires ground mounted solar systems be screened from view of the public right-of-way to the extent possible without reducing their efficiency by setback, berming, landscaping, walls or a combination thereof. The applicant has indicated that due to the use of tracking solar panels that would utilize a wider angle of the sun's rays, particularly in the morning and evening hours, they have concerns about the ability to provide screening that wouldn't affect the efficiency of the panels. At the time the ordinance was adopted, City Council had concerns about the visual impact of solar panels in the southeastern, agricultural part of the city. Staff believes that the proposed project is different due to its location adjacent to the refinery on land owned by the applicant to be used as a buffer, and the screening requirements are not as impactful or necessary. Nevertheless, the applicant has indicated a willingness to provide additional trees where practicable, and a formal landscape plan will be submitted for staff review in order to calculate the amount of any required landscape surety.

Landscaping & Tree Preservation. The applicant is requesting IUP approval prior to dedicating the resources to producing full civil plans. Because several large stands of trees are being preserved as part of this project, combined with the applicant's ongoing process of planting over 1,000 trees each year on its property, staff is comfortable recommending approval of the IUP with the understanding that a tree inventory of the project area will be conducted and submitted with a required grading permit.

Staff also discussed providing pollinator-friendly ground cover on the site, and the applicant agreed that those areas of bare ground will be re-vegetated with a low-growing, pollinator-friendly seed mix. Areas that will not be graded will still contain remnant vegetation related to the current agricultural use on the site. Restoring those areas to native plants will be a much longer and more difficult task, which will occur over time with other restoration activities on FHR-owned land. Most recently those activities have taken place on the east side of Highway 52. The applicant has indicated that they look forward to expanding those efforts westward through and beyond the proposed project area.

Access & Parking. The applicant's plans illustrate accesses to each portion of the site consistent with City standards. The plans illustrate four accesses from Blaine Avenue/Rich Valley Boulevard. Rosemount's parking regulations do not list specific off-street parking for the proposed solar facility use. However, the applicant's plans include maintenance and monitoring areas. Maintenance will be conducted by FHR employees based within the refinery boundary. As a result, staff recommends a condition of approval require the applicant to provide sufficient parking that will ensure the access roads remain clear in case of emergencies. Parking within those roads will not be permitted so emergency vehicles will have full access to the site while maintenance activities are taking place.

Feeder Lines. According to the applicant's plans, all cables and power lines will be buried within the project consistent with City requirements. Xcel Energy operates and maintains the distribution system which may be above ground.

Compliance. The Alternative Energy ordinance requires all solar energy project to comply with all applicable building, electrical and plumbing codes. The applicant's states they will comply with these requirements and apply for all necessary permits.

Certification. The City's Alternative Energy ordinance requires solar electric system components to be certified by Underwriters Laboratories, Inc. and the applicant has pledged to submit this certification prior to construction. Staff recommends a condition of approval require the applicant to submit a certification from Underwriters Laboratories, Inc. prior to receiving a building permit. The city reserves the right to deny a building permit for proposed solar energy systems deemed to have inadequate certification.

Abandonment. The City's Alternative Energy ordinance deems any solar energy system remaining nonfunctional or inoperative for a continuous period of one year is abandoned and shall constitute a public nuisance. Staff recommends a condition of approval require removal any system deemed abandoned at landowner's expense after a demolition permit has been obtained. Removal includes the entire structure including transmission equipment.

Signage. The applicant's plans show no ground or building signage. All signs shall meet the requirements of the AG – Agricultural and HI-Heavy Industrial district and shall not be installed without first receiving approval of an administrative sign permit.

Exterior Lighting. The applicant's plans do to not include a lighting plan. If the applicant intends to install any security or maintenance lighting, staff recommends a condition of approval that requires the applicant to submit a detailed lighting plan and cut sheet for all light fixtures consistent with the City's lighting standards with any building/electrical permit.

Engineering. As has been previously stated, the applicant wishes to receive IUP approval prior to dedicating the resources to civil plan development. There are several layers of review that remain before the proposed solar facility can be constructed, including a stormwater review as part of the grading permit application, building and electrical permits that must be applied for and reviewed, and an EAW must be completed and accepted following a public comment period. The City's engineering staff has conducted a preliminary review and found that there is no planned infrastructure within the project boundaries, and therefore the proposed project will not impact future plans for the provision of sewer, water, and stormwater management to the east side of the City.

Findings for Interim Use Permits

1. The extent, location, and intensity of the use will be in substantial compliance with the comprehensive plan.

Findings: The proposed project is consistent with the Comprehensive Plan. First, the proposed project is consistent with one of the ten guiding principles of the Comprehensive Plan, which is to "Incorporate sustainability precepts into development decisions to move toward a more resilient community." Second, the requested rezoning is consistent with an energy infrastructure goal of Chapter 7: Resilience within the Comprehensive Plan, which is to "Look for opportunities to remove barriers and increase renewable energy us in order strengthen and diversify the energy grid and mitigate climate related impacts."

2. The use will provide adequate ingress and egress to minimize traffic congestion in the public streets.

Findings: The applicant's plans illustrate two accesses to the site consistent with City standards. The plans illustrate access points to each segment of the facility from Blaine Avenue/Rich Valley Boulevard which are sufficient for the level of traffic generated by the proposed use.

3. The use will not be detrimental to the existing character of the development in the immediate neighborhood or endanger the public health, safety, and general welfare.

Findings: The proposed solar facility use will not be detrimental to the existing character of the development in the immediate neighborhood or endanger the public health, safety, and general welfare. The proposed solar facility is consistent with the land use designation and goals and objectives of the comprehensive plan.

4. The use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.

Findings: Staff is recommending a 25-year term to the IUP for the proposed solar facility and, while located within the MUSA, the land on which the project will be constructed is in an area the applicant intends to maintain an undeveloped buffer between its Pine Bend Refinery and development to the west. Should the applicant's plans for this area change, the term of the IUP will allow the City to reassess the appropriateness for such a use at the end of the 25-year period.

5. The use shall, in all other respects, conform to the applicable regulations of the district in which it is located.

Findings: With a few exceptions, the proposed project meets or exceeds the performance standards for solar farms. Areas of non-compliance are addressed through specific conditions of approval detailed in the Recommended Action section of this report to be reviewed prior to the issuance of building, electrical, and grading permits.

RECOMMENDATION

The Planning Commission and staff recommend approval of the interim use permit (IUP) application from Flint Hills Resources to allow construction of a solar facility on land east of its Pine Bend Refinery, subject to conditions. This recommendation is based on the materials submitted by the applicant and the findings made in this report. The project area is a total of 314 acres with the solar facility comprising 207 acres within it. Staff is recommending a 25-year term for the IUP subject to the conditions and review timeline included in the permit. Should the City approve the project, the site will be used to generate energy to support the operations at the refinery.

Staff and the applicant are excited about this project as it will increase the efficiency of the refinery's operations and will help the City reduce its overall greenhouse gas emissions and meet its stated goal of becoming a more resilient community.

CITY OF ROSEMOUNT DAKOTA COUNTY, MINNESOTA

RESOLUTION 2022-25

A RESOLUTION APPROVING AN INTERIM USE PERMIT FOR FLINT HILLS RESOURCES TO CONSTRUCT A SOLAR FACILITY

WHEREAS, the Community Development Department of the City of Rosemount received an application from Flint Hills Resources requesting an Interim Use Permit (IUP) to develop a solar facility on three hundred fourteen acres located generally North of 140th Street East and East of Blaine Avenue and North of Bonaire Path and West of Blaine Avenue.

WHEREAS, on January 25, 2022, the Planning Commission of the City of Rosemount held a public hearing to review the above stated application; and

WHEREAS, the Planning Commission adopted a motion to recommend that the City Council approve the Interim Use Permit for Flint Hills Resources, subject to conditions listed in the Interim Use Permit; and

WHEREAS, on February 15, 2022, the City Council of the City of Rosemount reviewed the Planning Commission's recommendation for the Interim Use Permit and agreed with the Planning Commission's recommendation.

NOW, THEREFORE, BE IT RESOLVED, the City Council of the City of Rosemount hereby approves the Interim Use Permit for Flint Hills Resources to construct a solar facility south and west of its Pine Bend Refinery, subject to the conditions listed in the Interim Use Permit

ADOPTED this 15th day of February, 2022, by the City Council of the City of Rosemount.

	William H. Droste, Mayor
ATTEST:	
Jessie Paque, Deputy City Clerk	

Flint Hills Resources Interim Use Permit Conditions For A Solar Energy System

This Interim Use Permit (IUP) is valid only for the property legally described in Attachment A, herein after "the Project Area."

- 1. The IUP will be in effect for 25 (twenty-five) years from the date of full commissioning of all solar gardens within the Project Area or December 31, 2023, whichever occurs first.
- 2. The operation of the community solar garden shall comply with all applicable zoning standards and the approved site plan attached as Exhibit B.
- 3. The project area shall be subject to all requirements under city code and policies related to such developments, improvements and requirements governing interim use permits in state law and the city code.
- 4. All site improvements shall be reviewed by the City Engineer for approval prior to completion in accordance with City standards including grading permits.
- 5. An environmental assessment worksheet shall be provided by the applicant for review by the appropriate agencies and accepted by the City.
- 6. The applicant shall submit a landscape plan and associated surety in the amount of 110% of the proposed landscaping cost prior to building permit approval.
- 7. Applicant shall apply for and receive a grading permit prior to construction.
- 8. The applicant shall conduct a tree inventory and submit for review with a grading permit application. Any required tree replacement shall be included in a landscape plan.
- 9. Applicant shall provide sufficient parking were appropriate to ensure access roadways remain clear for emergency vehicles.
- 10. Ground or wall signs shall be approved through a separate permit.
- 11. If lighting will be provided, the applicant shall submit a detailed lighting plan and cut sheet for all light fixtures consistent with the City's lighting standards as part of its building or electrical permit submission.
- 12. Submission of a certification from Underwriters Laboratories, Inc., or other appropriate certification as determined by the city, prior to receiving a building permit. The city reserves the right to deny a building permit for proposed solar energy systems deemed to have inadequate certification.
- 13. Any solar energy system remaining nonfunctional or inoperative for a continuous period of one year shall be deemed abandoned and shall constitute a public nuisance. The owner shall remove the abandoned system at their expense after obtaining a demolition permit. Removal includes the entire structure including transmission equipment.
- 14. There shall be no assignment of the interim use permit without the written approval of the City. The permittee will be responsible for all requirements of this permit and all applicable City ordinances for the permit period unless the permittee gives sixty (60) days prior written notice to the City of termination and surrenders the permit to the City.

- 15. The permittee shall grant to the City, its agents, employees, officers and contractors, including agents, employees and contractors of any surety, an irrevocable license, in a form approved by the City Attorney, to enter the property to perform all work and inspections deemed appropriate by the City to enforce conditions or to perform work as a result of the permittee's default. This license shall continue in effect until all conditions imposed by the City have been complied with.
- 16. The permittee will reimburse the City for any costs incurred as a result of any necessary inspections to ensure that the conditions of the permit are being satisfied and any costs incurred as a result of enforcing the permit.
- 17. The permittee shall hold the City harmless from all claims or causes of action that may result from the granting of the permit. The permittee shall indemnify the City for all costs, damages or expenses, including but not limited to attorneys' fees that the City may pay or incur in consequence of such claims.
- 18. Conformance with all requirements of all other applicable regulatory agencies including, but not limited to, Dakota County and the State of Minnesota.

5.c. Request by Flint Hills Resources for an Interim Use Permit to Construct a Solar Facility on 314 acres West and Southwest of its Pine Bend Refinery. **(22-03-IUP)**

Senior Planner Nemcek gave a presentation and summary of the staff report for the Planning Commission.

Vice-Chair Reed inquired about what the approval process would be to obtain an Environmental Assessment Worksheet (EAW). Nemcek stated that once the EAW is complete it will be reviewed by WSB Engineering and then would be brought to the City Council. The grading permit will be reviewed, along with the stormwater review. The UL certification is completed by a third party organization. They will review that the land doesn't have to always be a solar facility.

Commissioner Thiagarajan inquired if there is any consideration for the layout of the solar facility to go vertical instead of horizontal. Because it covers such a large area of land.

Commissioner Marlow questioned what would happen after the facility is running. If Flint Hills determines that any surrounding trees is affecting the solar panels, would they be able to take them down or would they have to come back to the City for approval. Nemcek stated that if a developer anticipates to move faster, they will have to submit a tree inventory. If they do need to take down additional trees, they would need to try and keep the number of trees below the threshold to where any replacements would be required. If they do go over the threshold, they would be replaced in accordance with the City code.

The public hearing opened at 7:14 pm.

Public Comments:

Jake Reint, 681 Lexington Parkway South, St. Paul, Flint Hills Resources, stated that the proposed location for the project is in an efficient location from the refinery. The project is anticipated to provide about an average of 40% of the refinery power.

Commissioner Hebert questioned about the construction timeline and how it will impact surrounding neighbors. Mr. Reint stated that the project would start in a few months and would hopefully be complete by summer 2023.

Commissioner Thiagarajan questioned why the project is laid out horizontal instead of vertical. Mr. Reint stated that the proposed layout is their first plan. They need it as close to Flint Hills Refinery as possible. If they would change the layout to vertical, the solar garden would then be closer to residential neighborhoods. They will retain their buffer property and try to continue having as much space between the refinery and neighbors.

Commissioner Schmisek questioned if noise will be an issue. Mr. Reint stated that they are not expecting them to be noisy. They will be quite a bit quieter than the refinery.

Commissioner Reed stated that he likes that the plan includes a pollinator friendly groundcover. Reed questioned what the landscape buffer they would be using. Mr. Reint stated that Flint Hills are currently getting suggestions from environmental organizations. The plan is to open up a second flank for ecological work and try to maintain the habitat.

Anthony Darsow, 1770 Bonaire Path, stated that he is concerned about additional dust from the Bonaire Path dirt road during construction of the solar facility.

MOTION by Reed to close the public hearing. **Second** by Rivera. Ayes: 6. Nays: 0. Motion Passes.

The public hearing closed at 7:24 pm.

Additional Comments:

Senior Planner Nemcek stated that truck traffic bringing in materials will occur on Blaine Ave/Rich Valley Blvd.

MOTION by Hebert to Recommend that the City Council approve the Interim Use Permit (IUP) allowing Flint Hills Resources to construct a solar facility to provide energy to its Pine Bend Refinery, subject to the following conditions:

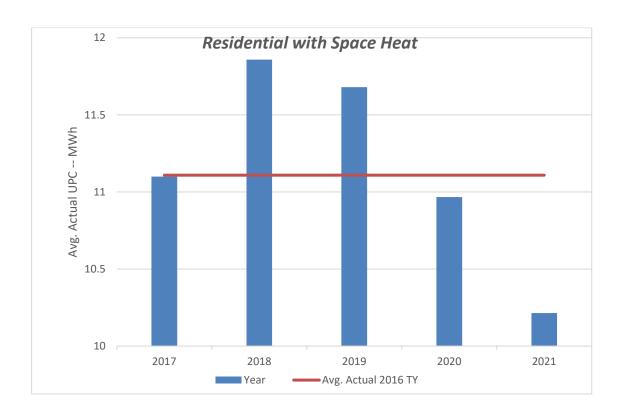
- a. The project shall be subject to all requirements under city code and policy related to such development and improvements.
- An environmental assessment worksheet shall be provided by the applicant for review by the appropriate agencies and accepted by the City.
- c. The applicant shall submit a landscape plan and associated surety in the amount of 110% of the proposed landscaping cost prior to building permit approval.
- d. Applicant shall apply for the receive a grading permit prior to construction.
- e. The applicant shall conduct a tree inventory and submit for review with a grading permit application. Any required tree replacement shall be included in a landscape plan.
- f. Applicant shall provide sufficient parking where appropriate to ensure access to roadways remain clear for emergency vehicles.
- g. Ground or wall signs shall be approved through a separate permit.
- h. If lighting will be provided, the applicant shall submit a detailed lighting plan and cut sheet for all light fixtures consistent with the City's lighting standards as part of its building or electrical permit submission.
- Submission of a certification from Underwriters Laboratories, Inc., or other appropriate certification
 as determined by the city, prior to receiving a building permit. The City reserves the right to deny a
 building permit for proposed solar energy systems deemed to have inadequate certification.
- j. Any solar energy system remaining nonfunctional or inoperative for a continuous period of one year shall be deemed abandoned and shall constitute a public nuisance. The owner shall remove the abandoned system at their expense after obtaining a demolition permit. Removal includes the entire structure including transmission equipment.
- k. There shall be no assignment of the interim use permit without the written approval of the City. The permittee will be responsible for all requirements of this permit and all applicable City ordinances for the permit period unless the permittee gives sixty (60) days prior written notice to the City of termination and surrenders the permit to the City.
- The permittee shall grant to the City, its agents, employees, officers and contractors, including agents, employees and contractors of any surety, an irrevocable license, in a form approved by the City
 Attorney, to enter the property to perform all work and inspections deemed appropriate by the City to enforce conditions or to perform work as a result of the permittee's default. This license shall continue in effect until all conditions imposed by the City have been complied with.
- m. The permittee shall hold the City harmless from all claims or causes of act6ion that may result from the granting of the permit. The permittee shall indemnify the City for all costs, damages or expenses, including but not limited to attorney fees that the City may pay or incur in consequence of such
- n. Conformance with all requirements of all other applicable regulatory agencies including, but not limited to, Dakota County and the State of Minnesota.

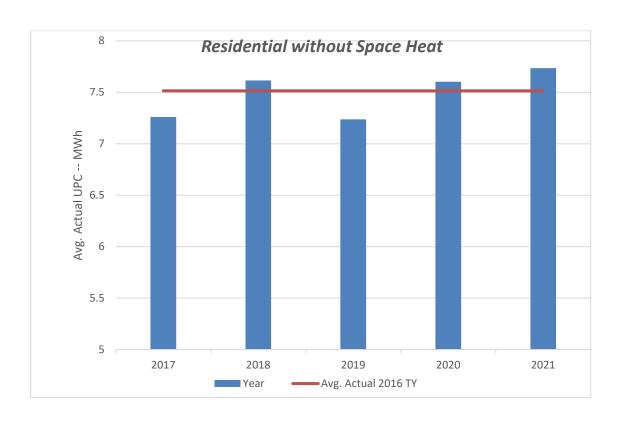
Second by Marlow.

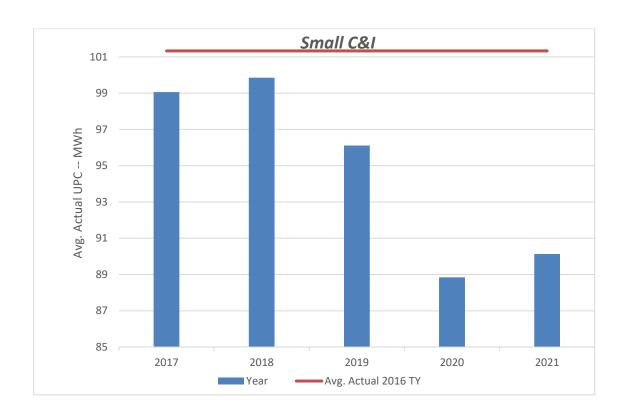
Ayes: 6. Nays: 0. Motion Passes.

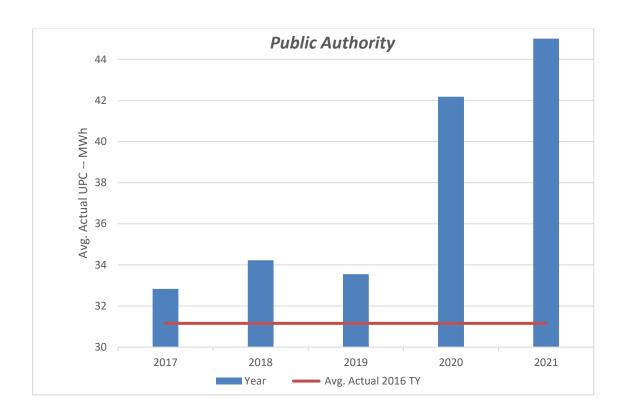


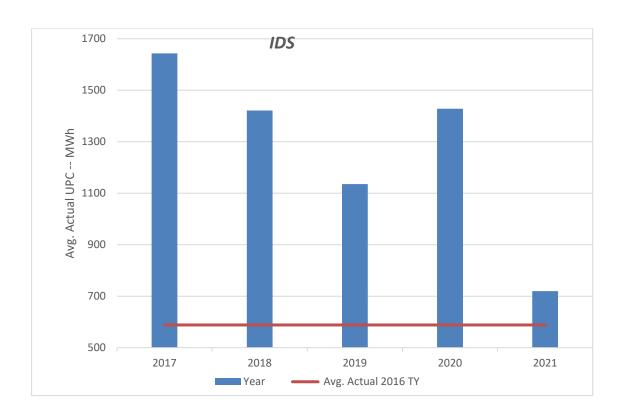
Pine Bend Refinery Rosemount, Dakota County, Minnesota Owner/Developer: **Xcel Energy Substation DEPCOM POWER** Flint Hill Resources 185 E PIMA CENTER PARKWAY #100 SCOTTSDALE, AZ 85258 PHONE: (480) 270-6910 WWW.DEPCOMPOWER.COM **Project Information: Customer Name:** Flint Hills Resources Pine Bend, LLC. 13775 Clark Road Customer Address: Rosemount, MN 55068 51-5604696-6 Customer Account # At Xcel: **EPC Company FLINT HILLS EPC Contact Name and Number: DEPCOM Power** resources® 9185 E Pima Center Pkwy Suite 100, Scottsdale, AZ 85258 Installer Company: Installer Contact Name and Number: TBD Solar Farm / Interconnection Address: 13775 Clark Road Rosemount, MN 55068 Proposed Storm Water Management Row Spacing: **efinery** ota County, DC/AC Disconnect Location: At PAD Mounted Reclosers roposed 14.2kV Underground ransmission Line (By Others) **Existing Capped Well Project Site Description:** Proposed Directional Bore - Typ 44.760081° -93.071215° Longitude: MINNCAN Pipeline Crude **Existing Trees to** Elevation: 835 ft min - 970 ft max Proposed 14.2kV Overhead kota Remain ota Total Site Area - Available: 1087.16 ± Acres 806.26 ± Acres Total Buildable Area: 314.70 ± Acres Total Fenced Acres: Point of Demarcation ount, Da Minnes See Detail Below 207.18 ± Acres **Total Array Footprint:** Ben Annual Cooling Design Temp: Extreme Annual Min DB MeanTemp: -14.8° F (ASHRAE 2017) 102, Risk Category I Wind Load: Rosem Pine Snow Load: Seismic Load: SS= 0.05g, S1= 0.03g Bonaire Path E Interconnection Data: Transmission Provider: NSP Interconnection Voltage: 14.2kV Offtaker: Flint Hills Resources Point of Interconnection: 29SU01 15kV Switchgear ~3,000' LF THIS PRINT IS NOT TO BE Legend USED FOR CONSTRUCTION UNLESS NOTED AND SIGNED "OK FOR CONSTRUCTION" ---- Underground AC Line 138th St E ABOVE LAST REVISION Typical Tracker Array **Directional Bore** Perimeter Fence ---- Existing Overhead Line **Existing Gas Line** Existing Petroleum Line Proposed Access Road Proposed Landscaping Buffer **Proposed Storm Water Management** Wetlands 300ft Railway Buffer 100-YR FEMA Flood Plain Existing Trees to Remain Imperial Scale Information used to prepare this drawing Site Plan dc/ac Ratio 3.062 MWac Circuit Date, Revision MWdc MWac Source Item Scale: 1" = 600' PDF from Client: 17.95 15.31 1.1722 **AC Capacity at Point of** 10/1/2020 Pine Bend PB Solar Farm Attachment 2 - Solar Site Boundary Proposed 18.28 15.31 1.1937 Map.pdf Boundary Interconnection: 45MWac 1.2012 15.31 5 18.39 N/A CUP None Total N/A Geotech None 54.61 1.1890 45.93 Capacity DEPCOM JOB NUMBER: ######## Panel: 27037C0115E, 27037C0120E 12/2/2011 **FEMA** Proposed 8x12 Control Shelter ROJECT CODE: Topo CAD file provided by Harry S. Topographic Survey 8/11/2021 Johnson Co: PROJECT DIRECTOR: TBD HSJ 202110005 FHR TOPO 8-11-21.dwg PROJECT MANAGER: TBD 25' Row Spacing (2) Pad Mount Xfmer Hydrology N/A None (3) XCEL Metering CT/PT Enclosures SHEET TITLE: National Wetland Database 2018 Wetlands Alternative Source (TBD) N/A POI Location None Site Plan Aerial Imagery **USGS** via Bing Maps N/A http://ashrae-meteo.info/index.php 52 **ASHRAE 2017 ASHRAE** Underground (ASCE7-16) https://hazards.atcouncil.org/ Wind Load Source MVAC **Key Map** CHECKED BY: MP (ASCE7-16) https://hazards.atcouncil.org/ **Snow Load Source** Proposed Directional Scale: 1" = 6,000' DRAWN BY: CF (ASCE7-16) https://hazards.atcouncil.org/ Seismic Load Source SCALE: AS NOTED *Files are based on State Plane Coordinate System NAD83 DRAWING NUMBER: (3) Pad Mount Reclosers Proposed Fence Point of Demarcation SP-100-5-T **Tracker Elevation Detail Point of Interconnection Detail** THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF DEPCOM POWER, INCORPORATED. DEPCOM POWER RETAINS ALL COPYRIGHT RIGHTS TO IT UNDER 17 U.S.C. SECTION 106 AND IS PROTECTED BY U.S. AND INTERNATIONAL LAW. ANY REPRODUCTION, DERIVATIVE WORKS, DISTRIBUTION, PUBLIC DISPLAY, DISCLOSURE, AND/OR USE OF ANY PORTION OF THIS DRAWING IN ANY FORM WITHOUT WRITTEN AUTHORIZATION FROM DEPCOM POWER IS STRICTLY Scale: NTS Scale: 1" = 30' OF











Calendar MWh

Class

Residential with Space Heat	2015	2016	2017	2018	2019	2020	2021
January	56047.69351	58123.36844	54382.77968	59487.59664	61762.88237	55186.67377	52994.54888
February	58137.23388	43344.03113	40276.55839	50826.79674	51629.18556	46078.93618	53690.62905
March	39308.07742	37472.9158	40413.76875	38692.9745	42279.67551	39378.35485	38288.11953
April	25453.52519	21220.68788	22549.08522	31042.76822	27393.04354	29840.05663	26930.17351
May	17213.75462	20337.27672	20924.9133	24821.71756	24918.73859	22378.41903	24009.2326
June	19712.86799	22216.56509	22067.06116	23825.72484	21479.50887	24389.29949	28441.8144
July	23661.5745	24967.37282	25215.96907	23820.36141	26649.13794	30008.96122	28253.94202
August	22807.66083	25594.32237	21013.8058	26452.92655	22529.40523	27067.68074	29413.39681
September	21165.03834	19731.96096	20222.17011	19997.33149	20341.22613	21266.59902	20842.67387
October	21629.55327	23314.31138	24284.55125	27764.93789	28021.5124	28601.34012	24715.3275
November	32011.64586	28382.47757	39096.07917	44211.56158	43592.56474	39063.86958	37767.72067
December	43877.05721	51582.67902	52549.10313	46254.18685	51728.50955	49844.31657	51277.31193
Total	381,026	376,288	382,996	417,199	422,325	413,105	416,625

Class

Residential with out Space Heat	2015	2016	2017	2018	2019	2020	2021
January	750008.5518	743491.1416	742989.1635	757252.2051	751778.1543	725647.8678	747441.1891
February	656270.7092	618741.6549	576654.8153	615469.4828	628847.7127	615181.1567	668090.7729
March	622707.9898	601635.5497	613798.7305	617897.0868	648597.9201	610010.0575	658231.9559
April	525021.1356	517425.8743	514846.2618	547241.9289	537747.4413	566218.881	561637.5767
May	562013.207	583958.5942	565674.1089	648185.6025	570487.9618	604614.1927	629505.0203
June	709955.6063	777510.7814	771768.6453	865939.586	715568.1078	853179.0932	985915.033
July	869477.1086	931275.5964	904043.0026	906687.6886	919606.9107	1084531.719	994040.1386
August	806717.9153	928480.9342	721118.1133	944258.2707	784662.5887	942489.1115	1001843.427
September	715136.4076	651736.0663	704096.5677	681801.7576	665449.106	621328.6428	657490.9948
October	608251.2811	577064.5638	567437.0897	584462.7523	584282.1646	626160.8955	616721.2736
November	600792.0913	579870.5698	615020.6619	620980.7656	612141.0129	621170.3023	625265.0131
December	697977.3765	733565.5605	732798.487	698215.7581	710510.6367	749960.6826	713352.6048
Total	8,124,329	8,244,757	8,030,246	8,488,393	8,129,680	8,620,493	8,859,535

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Small C&I	2015	2016	2017	2018	2019	2020	2021
January	1152604.11	1103375.454	1117675.505	1120268.747	1088845.506	1083243.222	976886.0237
February	1003964.922	1038600.277	935650.4281	961949.457	931817.6246	980685.3452	911306.0029
March	1106905.405	1063372.694	1097056.853	1096397.634	1135736.763	1011861.227	956853.4981
April	1007807.156	986880.7055	937342.5428	983347.0372	971502.0469	787654.1387	846612.6252
May	1084388.573	1091775.78	1056914.531	1117746.596	1047267.29	870015.6005	1001157.477
June	1142101.934	1168042.927	1171580.858	1214653.057	1103661.565	1046859.156	1143040.074
July	1263315.698	1290052.646	1284262.947	1265908.93	1234647.512	1182063.353	1213960.573
August	1251563.463	1281866.78	1162553.95	1261861.306	1136358.043	1141234.935	1190119.75
September	1164571.886	1110158.49	1177720.307	1093413.387	1076744.988	917252.9399	1015801.892
October	1108064.963	1076617.053	1014221.501	1024315.471	1026570.785	983577.4028	1024203.592
November	1030408.631	981201.6017	999512.5153	989175.8135	1019714.427	937377.3015	942554.2698
December	1071026.12	1117669.72	1097124.699	1096274.816	1047840.725	995590.7889	999288.7211
Total	13,386,723	13,309,614	13,051,617	13,225,312	12,820,707	11,937,415	12,221,784

Large C&I	2015	2016	2017	2018	2019	2020	2021
January	634856.8329	641797.7414	641906.1844	634598.3408	613686.7277	576215.6777	553785.2318
February	614632.4321	619561.5661	610387.3925	597144.7708	584457.4676	562581.1059	515050.4513
March	673207.1511	652696.1393	658780.3143	665679.3617	661222.7353	590312.5602	569860.3505
April	676715.2108	620339.1509	645121.3009	637802.5017	617736.8283	505790.283	546699.4662
May	670707.2405	669360.3047	672223.637	680738.4422	630532.6635	528479.3925	593228.5512
June	687788.2939	679284.491	682358.2277	694954.6305	604337.3912	572220.6842	608838.198
July	750468.9527	753433.147	699073.8436	765632.7647	689205.8829	670414.8528	658996.0871
August	759639.1626	786756.3892	753201.8158	774243.5687	720940.4182	664951.3781	674500.2084
September	715717.2861	729250.6146	702457.8182	723430.5184	662361.5989	620273.6411	630643.655
October	698788.6826	704596.4248	712467.0074	672424.1479	651218.9826	580047.6238	640285.207
November	672891.4245	654094.0788	656219.8905	628510.1177	575876.988	565963.2923	592607.5192
December	654182.5383	648414.1776	656096.9202	652516.9149	610338.9585	567062.2804	573078.5032
Total	8,209,595	8,159,584	8,090,294	8,127,676	7,621,917	7,004,313	7,157,573

Street Lighting	2015	2016	2017	2018	2019	2020	2021
January	16931.10532	14825.84619	12172.75881	16403.43252	12181.35956	11931.551	14019.547
February	8075.552755	13797.75209	12260.93108	9389.941781	9430.246898	8270.904	3856.383
March	18641.19555	12101.99185	11189.62665	10380.98121	9580.26412	8234.4775	9750.899167
April	8011.662412	11384.61802	9718.441373	8282.743385	6401.339	6969.97525	2997.393136
May	8255.657884	8050.459727	7037.707133	7386.246049	5591.428	5049.872	6824.694958
June	8888.663867	7066.642425	6619.984668	6907.281902	5470.2494	6074.179	5161.548296
July	5895.88929	7015.464661	7451.276674	5082.445936	5608.81208	6028.894	5498.864727
August	10757.49698	9391.44158	9027.538994	6747.176863	6382.67761	5327.053	5880.613034
September	9333.806016	9875.505488	7782.493065	9607.579954	7440.454	9299.293	7585.361416
October	12807.55962	14349.16941	11941.65822	8269.596281	9636.102	6731.534	7497.282568
November	14947.54153	10323.28169	13293.81837	12698.03571	9186.05	10730.664	9674.701201
December	15008.45037	16718.7208	8489.762405	12818.5833	11358.205	10193.709	9589.9007
Total	137,555	134,901	116,986	113,974	98,267	94,842	88,337

Public Authority	2015	2016	2017	2018	2019	2020	2021
January	5101.182183	4813.211673	5395.502396	5385.255286	5332.565166	5209.746848	4745.959289
February	4427.983195	4270.017685	4328.499926	4311.214067	4769.607913	3782.212065	5249.797427
March	4777.423873	4422.537046	5256.625911	5358.96023	5790.477419	5276.371199	5253.350147
April	4475.99416	4681.730096	4060.08536	4939.402387	5600.757034	4708.413901	4486.744196
May	5366.708826	4993.942858	5731.0363	5979.860407	6573.608906	5133.294297	5231.492971
June	5181.489199	5562.595297	6474.328872	6951.029647	6481.607763	5661.530459	6529.13528
July	6409.352881	6946.941951	7914.785172	7103.101312	6756.514838	6859.971064	8332.936585
August	6263.373344	7155.278895	6794.90189	6787.898493	6949.25178	6522.423854	7286.547022
September	5001.918366	5707.345386	5569.175804	7206.109895	5253.620829	5726.274392	6352.967072
October	5041.376823	5382.453491	5151.091258	5284.298184	4511.978453	5720.269853	5486.120748
November	4538.828132	4752.456822	5050.81045	4975.882338	5095.69152	4625.250959	3599.184605
December	4764.465616	5357.184587	5520.559373	5548.589159	5062.502192	5043.76164	4434.277171
Total	61,350	64,046	67,247	69,832	68,178	64,270	66,989

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IDS	2015	2016	2017	2018	2019	2020	2021
January	532.66685	621.17517	99.682	99.555	463.042	367.78	368.706
February	92.584842	102.22415	605.298	741.208	483.494	408.549	29.313
March	993.588	979.33573	522.474	911.206	377.492	372.615	661.828
April	668.57656	523.27252	480.889	457.762	356.042	61.699	338.559
May	67.283	72.08729	482.14	372.134	62.3	689.22	227.988
June	2764.5098	2732.98238	1803.484	385.392	616.726	56.553	301.694
July	1763.187	-413.57082	661.487	401.212	765.43	62.811	293.418
August	598.94524	687.444	80.223	885.038	836.371	1988.36	285.065
September	657.29263	657.23915	1017.589	986.387	645.177	1995.39	314.96
October	1145.44653	95.59462	551.646	905.484	328.693	338.412	258.565
November	473.80673	66.371	531.7	419.183	286.085	320.75	23.083
December	576.58647	1375.31442	556.688	422.77	362.229	122.954	256.008
Total	10,334	7,499	7,393	6,987	5,583	6,785	3,359

Total	30,310,912	30,296,689	29,746,779	30,449,373	29,166,657	28,141,222	28,814,203

Calendar Customers

Class

Residential with Space Heat	2015	2016	2017	2018	2019	2020	2021
January	33107	33415	34142	34976	35639	36793	38874
February	33206	33712	34175	35081	35767	36863	39177
March	33238	33773	34239	35174	36017	37087	39794
April	33262	33852	34240	35187	36040	37324	40006
May	33210	33855	34271	35148	36204	37372	40588
June	33173	33844	34418	35099	36181	37530	40760
July	33119	33822	34693	35176	36165	37636	40968
August	33132	34031	34690	35164	36190	38051	41185
September	33145	34011	34635	35137	36294	38226	41551
October	33197	34015	34775	35273	36349	38237	42034
November	33266	34037	34862	35326	36454	38377	42246
December	33373	34108	34913	35430	36595	38531	42296
Total	33,202	33,873	34,504	35,181	36,158	37,669	40,790

Residential with out Space Heat	2015	2016	2017	2018	2019	2020	2021
January	1085784	1093369	1102867	1110459	1119836	1128986	1140006
February	1086787	1094551	1103506	1111368	1120611	1129875	1141146
March	1087599	1095351	1104673	1112844	1121725	1130816	1143176
April	1088591	1095831	1105041	1113827	1122496	1132328	1143793
May	1088413	1096525	1105616	1114679	1122899	1132472	1144623
June	1088556	1096695	1105961	1114542	1122778	1133522	1144883
July	1088077	1096548	1105651	1114657	1123150	1134357	1145506
August	1088799	1097862	1106541	1115473	1123930	1135408	1146309
September	1089377	1098165	1106823	1115525	1124572	1135644	1147290
October	1091082	1099552	1107714	1117187	1125385	1137017	1148351
November	1091979	1100537	1108641	1117863	1126215	1137827	1149627
December	1092595	1101823	1109346	1118900	1127457	1138814	1150148
Total	1,088,970	1,097,234	1,106,032	1,114,777	1,123,421	1,133,922	1,145,405

Small C&I	2015	2016	2017	2018	2019	2020	2021
January	130491	131288	131892	132345	133094	134225	135204
February	130504	131246	131750	132276	133116	134195	135303
March	130431	131317	131737	132345	133222	134137	135482
April	130505	131228	131636	132313	133188	134141	135532
May	130452	131248	131642	132370	133257	134143	135513
June	130507	131235	131640	132319	133263	134140	135532
July	130550	131138	131599	132333	133298	134199	135579
August	130599	131295	131712	132410	133405	134332	135593
September	130635	131351	131738	132393	133458	134429	135610
October	130783	131532	131775	132573	133613	134608	135762
November	130936	131593	131929	132792	133807	134842	136034
December	131073	131732	132055	132981	134045	135080	136156
Total	130,622	131,350	131,759	132,454	133,397	134,373	135,608

Large C&I	2015	2016	2017	2018	2019	2020	2021
January	505	500	502	505	507	499	499
February	490	500	510	505	507	500	499
March	496	493	508	504	505	502	499
April	501	499	508	506	503	499	498
May	508	507	504	504	506	502	498
June	508	504	503	505	507	504	500
July	497	504	497	506	507	502	498
August	490	505	499	505	508	501	496
September	488	505	499	506	509	501	497
October	491	507	503	505	503	502	492
November	511	506	507	506	503	504	491
December	507	507	512	511	503	502	497
Total	499	503	504	506	506	502	497

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Street Lighting	2015	2016	2017	2018	2019	2020	2021
January	4195	4309	4480	4925	5236	5411	5566
February	4197	4314	4487	4957	5247	5415	5584
March	4210	4327	4468	4969	5240	5415	5581
April	4220	4321	4543	4971	5268	5440	5589
May	4232	4381	4567	4986	5298	5442	5595
June	4233	4383	4601	5020	5325	5444	5618
July	4242	4394	4629	5027	5348	5454	5627
August	4255	4415	4774	5066	5342	5465	5629
September	4270	4433	4796	5085	5362	5470	5644
October	4284	4461	4847	5142	5386	5510	5671
November	4295	4472	4854	5186	5402	5540	5698
December	4303	4492	4871	5207	5407	5568	5708
Total	4,245	4,392	4,660	5,045	5,322	5,465	5,626

Public Authority	2015	2016	2017	2018	2019	2020	2021
January	2082	2036	2055	2045	2035	2020	1463
February	2083	2037	2054	2042	2034	1490	1461
March	2080	2042	2051	2043	2037	1489	1463
April	2080	2057	2048	2041	2037	1485	1462
May	2080	2063	2049	2039	2035	1483	1462
June	2078	2059	2049	2036	2035	1483	1463
July	2078	2067	2048	2042	2031	1478	1463
August	2076	2065	2044	2041	2033	1476	1459
September	2073	2062	2047	2043	2032	1478	1458
October	2062	2061	2047	2041	2029	1469	1456
November	2041	2060	2044	2036	2028	1468	1454
December	2038	2060	2046	2034	2023	1466	1451
Total	2,071	2,056	2,049	2,040	2,032	1,524	1,460

IDS	2015	2016	2017	2018	2019	2020	2021
January	13	14	3	4	5	5	5
February	11	11	4	5	5	5	4
March	17	15	4	5	5	5	5
April	13	13	4	5	5	4	5
May	11	11	5	5	4	5	4
June	15	15	5	5	5	4	4
July	13	17	5	5	5	4	4
August	15	14	4	5	5	5	4
September	13	10	5	5	5	5	4
October	13	9	5	5	5	5	4
November	13	10	5	5	5	5	6
December	13	14	5	5	5	5	7
Total	13	13	5	5	5	5	5

Total	1,259,623	1,269,421	1,279,512	1,290,008	1,300,841	1,313,458	1,329,390

Residential with Space Heat	2015	2016	2017	2018	2019	2020	2021
January	1.69292577	1.739439427	1.592841066	1.700811889	1.7330139	1.499923186	1.363238897
February	1.75080509	1.285715209	1.178538651	1.44884116	1.443486609	1.250005051	1.370463003
March	1.18262463	1.109552477	1.180343139	1.100044763	1.173881098	1.061783235	0.962158102
April	0.76524338	0.626866592	0.658559732	0.882222645	0.76007335	0.799487103	0.673153365
May	0.51833046	0.600717079	0.610572008	0.706205689	0.688286891	0.598801751	0.591535247
June	0.59424436	0.656440288	0.641148851	0.678814919	0.593668192	0.649861431	0.697787399
July	0.71444109	0.738199185	0.726831611	0.677176524	0.736876481	0.797347253	0.689658807
August	0.68838769	0.75208846	0.605759752	0.752272965	0.622531231	0.711352678	0.714177414
September	0.63855901	0.580164093	0.583865169	0.569124612	0.560456994	0.556338592	0.501616661
October	0.65155144	0.685412653	0.698333609	0.787144215	0.770901879	0.748001677	0.587984191
November	0.96229321	0.833871304	1.121452561	1.251530362	1.195823908	1.017897949	0.893995187
December	1.31474717	1.512333735	1.505144305	1.305509084	1.413540362	1.293615961	1.212344239
Average Total UPC	11.4758707	11.10881513	11.09990784	11.85867009	11.68002555	10.96672121	10.21391865

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Residential with out Space Heat	2015	2016	2017	2018	2019	2020	2021
January	0.690753	0.680000203	0.673688816	0.681927208	0.671328797	0.642743017	0.655646715
February	0.60386323	0.565292668	0.52256609	0.553794497	0.561165036	0.544468332	0.585456
March	0.57255293	0.549262793	0.555638393	0.555241424	0.578214732	0.539442365	0.575792315
April	0.48229421	0.472176708	0.465906932	0.49131681	0.479064016	0.500048467	0.491030787
May	0.51636025	0.532553835	0.51163705	0.581499788	0.508049221	0.533888867	0.549967125
June	0.65219943	0.70895808	0.697826275	0.776946572	0.637319317	0.752679783	0.861149159
July	0.7990952	0.849279372	0.817656749	0.813423043	0.818774795	0.95607619	0.867773838
August	0.74092456	0.845717344	0.651686755	0.846509302	0.698141867	0.830088489	0.873973271
September	0.65646366	0.593477361	0.636141974	0.611193615	0.591735439	0.547115683	0.57308178
October	0.55747531	0.524817893	0.512259563	0.523155705	0.519184248	0.550704955	0.537049451
November	0.55018649	0.526897842	0.554751865	0.555507039	0.543538323	0.545926843	0.543885115
December	0.63882534	0.665774412	0.660568017	0.624019803	0.630188678	0.658545366	0.620226792
Average Total UPC	7.46056365	7.51412758	7.260412057	7.614431303	7.236537782	7.602367125	7.73485037

Small C&I	2015	2016	2017	2018	2019	2020	2021
January	8.83282456	8.404236901	8.474172084	8.464760644	8.181026237	8.070353672	7.225274575
February	7.69298199	7.913386137	7.101711029	7.272290189	7.000042253	7.307912703	6.735297834
March	8.48652088	8.097753481	8.327628932	8.284390295	8.525144219	7.543490815	7.062587636
April	7.72236432	7.520351644	7.120715783	7.431975975	7.294216047	5.871837385	6.246588446
May	8.31254847	8.318418415	8.02870308	8.444108148	7.859003958	6.485732394	7.38790726
June	8.75126954	8.900391866	8.899884973	9.179732747	8.281830404	7.804228088	8.433728371
July	9.67687245	9.837367091	9.758911142	9.566086536	9.262310849	8.808287343	8.953898265
August	9.58325456	9.763256632	8.826484677	9.529954732	8.518106839	8.495629749	8.777147417
September	8.9147004	8.451846501	8.939867819	8.258845911	8.068043792	6.823326365	7.490611991
October	8.47254585	8.185210087	7.69661545	7.726425973	7.683165445	7.306975832	7.544110961
November	7.86955941	7.456335836	7.576139554	7.449061792	7.620785359	6.951671597	6.928813898
December	8.17121848	8.484420795	8.308089049	8.243845485	7.817081762	7.370378953	7.339292584
Average Total UPC	102.484312	101.3291876	99.05692515	99.84821606	96.10929224	88.83817751	90.12561542

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Large C&I	2015	2016	2017	2018	2019	2020	2021
January	1257.14224	1283.595483	1278.697578	1256.630378	1210.427471	1154.740837	1109.790044
February	1254.3519	1239.123132	1196.838025	1182.464893	1152.77607	1125.162212	1032.165233
March	1357.27248	1323.92726	1296.811642	1320.792384	1309.351951	1175.921435	1142.00471
April	1350.72896	1243.164631	1269.923821	1260.479252	1228.105026	1013.607782	1097.790093
May	1320.28984	1320.237287	1333.777057	1350.671512	1246.111983	1052.747794	1191.22199
June	1353.91396	1347.786689	1356.576993	1376.147783	1191.986965	1135.3585	1217.676396
July	1509.99789	1494.907038	1406.587211	1513.108231	1359.38044	1335.487755	1323.285315
August	1550.28401	1557.933444	1509.422477	1533.155582	1419.174052	1327.24826	1359.879452
September	1466.63378	1444.060623	1407.731099	1429.704582	1301.299801	1238.07114	1268.900714
October	1423.19487	1389.736538	1416.435402	1331.532966	1294.669946	1155.473354	1301.392697
November	1316.81296	1292.676045	1294.319311	1242.114857	1144.884668	1122.94304	1206.939958
December	1290.30086	1278.923427	1281.439297	1276.941125	1213.397532	1129.606136	1153.075459
Average Total UPC	16441.1119	16219.15036	16041.56184	16073.18935	15073.00589	13966.72537	14401.55619

Street Lighting	2015	2016	2017	2018	2019	2020	2021
January	4.03602034	3.440669806	2.717133663	3.330646198	2.326462865	2.205054703	2.518783148
February	1.92412503	3.198366269	2.73254537	1.894279157	1.797264513	1.527406094	0.690613001
March	4.42783742	2.796855061	2.504392715	2.089148965	1.828294679	1.520679132	1.747159858
April	1.8984982	2.634718357	2.139212277	1.666212711	1.215136484	1.28124545	0.536302225
May	1.95076982	1.837584964	1.540991271	1.481397122	1.055384673	0.927944138	1.219784622
June	2.09984972	1.612284377	1.438814316	1.37595257	1.027276883	1.115756613	0.918751922
July	1.38988432	1.59660097	1.60969468	1.011029627	1.048768153	1.105407774	0.977228492
August	2.5282014	2.127166836	1.890980099	1.331854888	1.194810485	0.974758097	1.04469942
September	2.18590305	2.227725127	1.622704976	1.889396254	1.387626632	1.700053565	1.343969067
October	2.98962643	3.216581351	2.463721523	1.608245095	1.789101745	1.221694011	1.322038894
November	3.48021922	2.308426138	2.738734729	2.448522119	1.700490559	1.93694296	1.697911759
December	3.48790387	3.72188798	1.742919812	2.461798214	2.100648234	1.830766703	1.680080711
Average Total UPC	32.4064508	30.7163054	25.10563817	22.59111245	18.4652018	17.35604461	15.70206296

Public Authority	2015	2016	2017	2018	2019	2020	2021
January	2.45013553	2.364052885	2.625548611	2.633376668	2.620425143	2.579082598	3.243991312
February	2.12577206	2.096228613	2.107351473	2.111270356	2.344939977	2.538397359	3.593290504
March	2.2968384	2.165786996	2.562957538	2.623083813	2.84264969	3.543566957	3.590806663
April	2.15192027	2.275999074	1.982463555	2.420089361	2.749512535	3.170649092	3.068908479
May	2.58014847	2.420718787	2.79699185	2.93274174	3.230274647	3.461425689	3.578312566
June	2.49349817	2.701600436	3.159750548	3.414061713	3.18506524	3.817619999	4.462840246
July	3.08438541	3.360881447	3.864641197	3.478502112	3.326693667	4.64138773	5.695787139
August	3.01703918	3.465026099	3.324315993	3.325770942	3.418225175	4.418986351	4.994206321
September	2.41288874	2.767868762	2.720652567	3.527219723	2.585443321	3.874339913	4.357316236
October	2.44489662	2.611573746	2.516409994	2.589073094	2.223744925	3.893989008	3.767940074
November	2.22382564	2.307017875	2.471042295	2.443950068	2.512668402	3.150715912	2.475367679
December	2.33781434	2.600575042	2.698220613	2.727919941	2.50247266	3.440492251	3.056014591
Average Total UPC	29.624609	31.15441848	32.8276313	34.22698268	33.54537725	42.17852045	45.89564089

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IDS	2015	2016	2017	2018	2019	2020	2021
January	40.9743731	44.369655	33.22733333	24.88875	92.6084	73.556	73.7412
February	8.41680382	9.293104545	151.3245	148.2416	96.6988	81.7098	7.32825
March	58.4463529	65.28904867	130.6185	182.2412	75.4984	74.523	132.3656
April	51.4289662	40.25173231	120.22225	91.5524	71.2084	15.42475	67.7118
May	6.11663636	6.55339	96.428	74.4268	15.575	137.844	56.997
June	184.300653	182.1988253	360.6968	77.0784	123.3452	14.13825	75.4235
July	135.629769	-24.3276953	132.2974	80.2424	153.086	15.70275	73.3545
August	39.9296827	49.10314286	20.05575	177.0076	167.2742	397.672	71.26625
September	50.5609715	65.723915	203.5178	197.2774	129.0354	399.078	78.74
October	88.1112715	10.62162444	110.3292	181.0968	65.7386	67.6824	64.64125
November	36.4466715	6.6371	106.34	83.8366	57.217	64.15	3.847166667
December	44.3528054	98.23674429	111.3376	84.554	72.4458	24.5908	36.57257143
Average Total UPC	775.085524	588.1936949	1642.955556	1421.152068	1135.541898	1428.440632	719.8257857

Total Average	24.0634859	23.866548	23.24853625	23.60401879	22.42138546	21.42528992	21.6747524

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Xcel Energy Information Request No. 7

Docket No.: E002/M-20-743

Response To: Minnesota Department of Commerce

Requestor: Sachin Shah / Nancy Campbell

Date Received: February 8, 2022

Question:

Topic: 2021 Sales True-Up

Reference(s): In the Matter of Northern States Power Company d/b/a Xcel

Energy's (Xcel or Company) for Approval of True-Up

Mechanisms Petition in Docket No. E002/M-20-743; and the Company's February 1, 2022 Compliance Filing on 2021 Actual Sales and Related Revenue Calculations; and the Company's responses to Department Information Request Nos. 28 and 29 in

Docket No. E002/GR-15-826.

Request:

A. Please supplement the Company's response to IR Nos. 28 and 29 referenced above to the most recent month available.

Where applicable provide all the data in a Microsoft Excel executable format (*.xlsx) with all links and formulae intact. If any of these links target an outside file, please provide all such additional files.

In addition, whenever acronyms are used in the data given in response to all the parts above, please provide an explanation of all acronyms used AND provide a brief but complete explanation of the source of each data series that is provided.

If this information has already been provided in the Petition or in response to an earlier information request (IR), please identify the specific cite(s) or IR number(s).

Response:

A. For the update to the above-referenced Company response to DOC Information Request No. 28, Part A, please refer to the cover letter included with the Company's February 1, 2022 Compliance Filing on 2021 Actual Sales

and Related Revenue Calculations, starting on page 3 (Weather section" and ending on page 6, Table 4.

For the update to the DOC IR No. 28 response, Parts B, C, and D, please refer to Attachment E to the Company's February 1, 2022 Compliance Filing for details and sales regarding specific customer load losses by customer class due to relocations, business closures, or reduced operations.

B. For the update to the above-referenced Company response to DOC IR No. 29, Parts A, B, and C--there are no new customers with Combined Heat & Power (CHP) generation since the Company submitted its original response to DOC IR No. 29 in Docket No. E002/GR-15-826. In 2021, CHP plant generation offset customer sales by *[Protected Data Begins Protected Data Ends]* MWh relative the 2016 TY sales, as referenced in Table 4 on page 6 of the February 1, 2022 Compliance Filing. Please refer to the file named 15-0826 DOC-0029_Attachment A_ NOT-PUBLIC IN ENTIRETY_Update 2021.xlsx provided with this present response for actual billing month sales of customers with CHP plant generation updated through December 2021.

This response and its attachment are marked "Not-Public" as they include information the Company considers to be trade secret data as defined by Minn. Stat. § 13.37(1)(b). The information has independent economic value from not being generally known to and not being readily ascertainable by other parties who could obtain economic value from its disclosure or use. The information contains not-public data on individuals, which is protected under the Minnesota Data Practices Act. Specific customer data (including the name, address or related usage) consists of "private data on individuals" and "confidential customer data" as recognized under the Minnesota Data Practices Act. As such, any unique information that can identify an individual customer is maintained by Xcel Energy as not-public data and protected from public disclosure.

The attachment to this response is marked as "Not-Public" in its entirety. Pursuant to Minn. Rule 7829.0500, sub. 3, the Company provides the following description of the excised material:

- 1. **Nature of the Material:** The attachment to this response is a live Excel spreadsheet that includes confidential customer usage information.
- 2. Authors: The Company's Sales, Energy and Demand Forecasting personnel.
- 3. **Importance:** The Company protects the customer information as not-public data on individuals.
- 4. Date the Information was Prepared: January 2022.

Docket No. E002/M-20-743
Department Attachment 3
Page 3 of 8
PUBLIC DOCUMENT

PUBLIC DOCUMENT—NOT-PUBLIC AND PROTECTED DATA EXCISED

Preparer: Luke Jaramillo

Title: Senior Energy Forecasting Analyst

Department: Sales, Energy and Demand Forecasting

Telephone: 303-571-6239
Date: February 17, 2022

Docket No. E002/M-20-743
Department Attachment 3
Page 4 of 8
PUBLIC DOCUMENT

PUBLIC DOCUMENT—NOT-PUBLIC AND PROTECTED DATA EXCISED

Northern States Power Company

Docket No. E002/M-20-743 DOC Information Request No. 7 Attachment

The attachment provided with the Trade Secret version of this response is marked "Not-Public" as it includes information the Company considers to be trade secret data as defined by Minn. Stat. § 13.37(1)(b). The information has independent economic value from not being generally known to and not being readily ascertainable by other parties who could obtain economic value from its disclosure or use. The information contains not-public data on individuals, which is protected under the Minnesota Data Practices Act. Specific customer data (including the name, address or related usage) consists of "private data on individuals" and "confidential customer data" as recognized under the Minnesota Data Practices Act. As such, any unique information that can identify an individual customer is maintained by Xcel Energy as not-public data and protected from public disclosure.

The attachment to this response is marked as "Not-Public" in its entirety. Pursuant to Minn. Rule 7829.0500, sub. 3, the Company provides the following description of the excised material:

- 1. **Nature of the Material:** The attachment to this response is a live Excel spreadsheet that includes confidential customer usage information.
- 2. Authors: The Company's Sales, Energy and Demand Forecasting personnel.
- 3. **Importance:** The Company protects the customer information as not-public data on individuals.
- 4. Date the Information was Prepared: January 2022.

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 □ Public Document

Xcel Energy Information Request No. 8

Docket No.: E002/M-20-743

Response To: Minnesota Department of Commerce

Requestor: Sachin Shah / Nancy Campbell

Date Received: February 8, 2022

Question:

Topic: 2021 Sales True-Up

Reference(s): In the Matter of Northern States Power Company d/b/a Xcel

Energy's (Xcel or Company) for Approval of True-Up

Mechanisms Petition in Docket No. E002/M-20-743; and the Company's February 1, 2022 Compliance Filing on 2021 Actual Sales and Related Revenue Calculations; and the Company's responses to Department Information Request Nos. 28 and 29 in

Docket No. E002/GR-15-826.

Request:

- A. Please provide the following electronic files in Microsoft Excel (*.xlsx) format with all links and formulae intact (with 2021 information):
 - •NSP MN Active Service Reports;
 - •NSP MN Elec TAR Volumes;
 - •Xcel 100215 15_B; and
 - •Xcel 100215 17.
- B. Please provide the revenue model file (in Microsoft Excel (*.xlsx) format with all links and formulae intact) that includes and provides the cross reference used for CCOSS classes as well as the cross reference used for the Sales Forecasting major classes.

In addition, whenever acronyms are used in the data given in response to all the parts above, please provide an explanation of all acronyms used AND provide a brief but complete explanation of the source of each data series that is provided.

If this information has already been provided in the Petition or in response to an earlier information request (IR), please identify the specific cite(s) or IR number(s).

Response:

A. For NSP MN Active Service Reports updated through December 2021, see the file named Xcel 092421 15_C_Update.xlsx provided with this response.

For NSP MN Elec TAR Volumes updated through December 2021, see the file named Xcel 092421 15_D_Update.xlsx provided with this response.

For an update to Xcel 100215 15_B with data through December 2021, see the file named Xcel 092421 15_B_Update.xlsx provided with this response. The tab "MN-E-Model Data" therein has not been updated for June to December 2021, because the Company has not yet created an updated forecast for that timeframe. However, we fully anticipate the Model Data for these months to match the data presented on the tab "MN-E Source Data".

For an update to Xcel 100215 17 with data through December 2021, see the file named Xcel 092421 16 (2021) Update.xlsx provided with this response.

B. See the file named RevModMN2021ActSTU_NOT-PUBLIC IN ENTIRETY provided with this response for the revenue model using actual year 2021 sales. Detail by CCOSS is found in the COS tab of the file, summarized in rows 47 through 56. Detail by Sales Forecasting major classes is found in the Sum1 tab.

The revenue model is marked as "Not-Public" as the Company considers it to be trade secret data as defined by Minn. Stat. § 13.37(1)(b). The model represents Company work product, and in its design has independent economic value from not being generally known to and not being readily ascertainable by other parties who could obtain economic value from its disclosure or use.

The revenue model is marked as "Not-Public" in its entirety. Pursuant to Minn. Rule 7829.0500, sub. 3, the Company provides the following description of the excised material:

- 1. **Nature of the Material:** The revenue model is a live Excel spreadsheet.
- 2. **Authors:** The Company's Pricing personnel.

3. **Importance:** The Company protects the revenue model design as trade secret information in that it represents Company work product.

4. Date the Information was Prepared: January 2022.

Preparer: Luke Jaramillo / Nick Paluck

Title: Senior Energy Forecasting Analyst / Rate Consultant

Department: Sales, Energy and Demand Forecasting / NSPM Regulatory

Telephone: (303) 571-6239 / (612) 330-2905

Date: February 17, 2022

Docket No. E002/M-20-743
Department Attachment 3
Page 8 of 8
PUBLIC DOCUMENT

PUBLIC DOCUMENT—NOT-PUBLIC AND PROTECTED DATA EXCISED

Northern States Power Company

Docket No. E002/M-20-743 DOC Information Request No. 8 Attachment

The attachment named "RevModMN2021ActSTU_NOT-PUBLIC IN ENTIRETY" provided with the Trade Secret version of this response is marked "Not-Public" as the Company considers it to be trade secret data as defined by Minn. Stat. § 13.37(1)(b). The model represents Company work product, and in its design has independent economic value from not being generally known to and not being readily ascertainable by other parties who could obtain economic value from its disclosure or use.

The revenue model is marked as "Not-Public" in its entirety. Pursuant to Minn. Rule 7829.0500, sub. 3, the Company provides the following description of the excised material:

- 1. Nature of the Material: The revenue model is a live Excel spreadsheet.
- 2. Authors: The Company's Pricing personnel.
- 3. **Importance:** The Company protects the revenue model design as trade secret information in that it represents Company work product.
- 4. Date the Information was Prepared: January 2022.

[Protected Data Begins

CERTIFICATE OF SERVICE

I, Sharon Ferguson, hereby certify that I have this day, served copies of the following document on the attached list of persons by electronic filing, certified mail, e-mail, or by depositing a true and correct copy thereof properly enveloped with postage paid in the United States Mail at St. Paul, Minnesota.

Minnesota Department of Commerce Public Comments

Docket No. E002/M-20-743

Dated this 1st day of March 2022

/s/Sharon Ferguson

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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