

## ANNUAL COMMUNITY ENERGY REPORT BY XCEL ENERGY

<b>Community:</b>	City of Robbinsdale
<b>Year of Data:</b>	2022

### Utility System Characteristics [1]

Electric	0.2770	metric tons CO2/ MWh [2]
Gas	0.0054	metric tons CO2/ Th

Resource Mix	Resource Contribution
Coal	18.00%
Gas	13.10%
Wind	29.90%
Hydro	5.80%
Solar	4.10%
Nuclear	27.70%
Bio Mass	1.10%
Other	0.00%

### Certified Renewable Percentage [3]

Minnesota	42.55%
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RES Retirements	Vintage	Vintage	Vintage	Vintage	Vintage	Bonus	WS
Fuel Type	2018	2019	2020	2021	2022	RECs	Credit
Solar	-	995,274.00	30,425.00	-	-	-	-
Wind	-	-	7,134,736.00	-	-	-	-
Biomass	-	-	-	-	150,814.00	-	-
Hydro	-	-	-	-	817,652.00	-	-
<b>Total</b>	-	995,274.00	7,165,161.00	-	968,466.00	-	-

CRP Retirements	Vintage	Vintage	Vintage	Vintage	Vintage	Total
Fuel Type	2018	2019	2020	2021	2022	
Solar	-	-	-	-	-	-
Wind	-	-	-	-	1,471,086.00	1,471,086.00

Biomass	-	-	-	-	-	-
Hydro	-	-	-	-	1,481,984.00	1,481,984.00
<b>Total</b>	-	-	-	-	2,953,071.00	2,953,071.00

#### Energy Consumption Data [4]

Electricity	Number of Customers [5]	Energy Consumption (kWh)	Carbon Emissions (metric tons CO2) [6]	Revenues Billed [7]	Customers Removed from Dataset [8]
Commercial	381	36,604,358	10,139	\$4,434,220	0
Industrial	29	8,379,633	2,321	\$1,083,661	0
Residential	6,720	45,195,965	12,519	\$7,049,782	0
Street Lighting - Metered	n/a	124,497	34	\$11,682	-
Street Lighting - Non-Metered/Customer Owned	n/a	205,458	57	\$13,077	-
Street Lighting - Non-Metered/Xcel-Owned	n/a	61,226	17	\$51,928	-
<b>Total:</b>	<b>7,130</b>	<b>90,571,137</b>	<b>25,088</b>	<b>\$12,644,349</b>	

Natural Gas	Number of Customers [5]	Energy Consumption (therms)	Carbon Emissions (metric tons CO2) [9]	Revenues Billed [7]	Customers Removed from Dataset [8]
<b>Total:</b>					

#### Programmatic Data [10]

Windsorce	Number of Customers	Subscribed Energy (kWh)	Customers Removed from Dataset
Community - Business Total	2	27,074	2
Community - Residential Total	432	1,317,252	0
Minnesota - Business Total	885	291,113,512	1
Minnesota - Residential Total	71,471	231,258,921	0

Renewable*Connect	Number of Customers	Subscribed Energy (kWh)	Customers Removed from Dataset
Community - Business Total	0	0	0
Community - Residential Total	26	189,421	0
Minnesota - Business Total	156	161,719,949	0
Minnesota - Residential Total	3,122	19,848,489	0

On-site Solar (Solar*Rewards) [11]	Total Installations	Installations During Reporting Year	Total Capacity (kW)	Capacity Installed During Reporting Year (kW)	Total Energy Produced (kWh) [11]	Total Incentives Paid (\$) [12]
Community - Business Total	0	0	0	0	0	\$0
Community - Residential Total	21	4	140	22	0	\$0
Minnesota - Business Total	2,390	118	64,199	4,210	187,134,756	-\$283
Minnesota - Residential Total	12,078	1,920	92,642	16,646	7,104,137	\$657

On-site Solar (non-Solar*Rewards)	Total Installations	Installations During Reporting Year	Total Capacity (kW)	Capacity Installed During Reporting Year (kW)	Total Energy Produced (kWh)	Customers Removed from Dataset
Community - Business Total	0	0	0	0	0	0
Community - Residential Total	7	5	56.95	41	51264	0
Minnesota - Business Total	706	153	147,141.33	31,684	1127796901	0
Minnesota - Residential Total	2,586	1,432	20,385.89	12,649	25377316	0

Solar Gardens (PV)	Number of Customers	Subscribed Capacity (kW)	Subscribed Energy (kWh)	Customers Removed from Dataset
Community - Business Total	6	327	378,129	0
Community - Residential Total	139	867	959,954	0
Minnesota - Business Total	6,718	1,002,963	1,199,768,390	0
Minnesota - Residential Total	25,666	181,180	188,069,511	0

Load Management (Demand Response)	Number of Customers	Available Capacity (kW)	Rebates or Incentives Paid	Customers Removed from Dataset [8]
AC Rewards - Residential	212	243	\$5,525	0
Electric Rate Savings - Business			0	2
Savers Switch - Business	62	181	\$14,735	0
Savers Switch - Residential	2,481	1,733	\$155,583	0

Electric Vehicle Programs [13]	Number of Customers	Electric Energy Savings (kWh)	Electric Demand Savings (kW)	Electric Rebates or Incentives Paid

Energy Efficiency Programs	Number of Projects	Electric Energy Savings (kWh)	Electric Demand Savings (kW)	Electric Rebates or Incentives Paid	Natural Gas Energy Savings (Th)	Natural Gas Rebates or Incentives Paid
Efficient New Home Construction - MN	1	1,670	0	\$115	0	\$0.00
Energy Efficient Showerhead - MN	1	0	0	\$0	0	\$0.00
Home Energy Audits - MN	24	0	0	\$0	0	\$0.00
Home Energy Savings Program - MN	22	14,378	10	\$14,895	0	\$0.00
Home Energy Squad - MN	20	10,869	11	\$0	0	\$0.00
HomeSmart Replacement Helper	5	0	0	\$2,800	0	\$1,000.00
HVAC+R Systems - MN	4	1,122,177	199	\$77,128	0	\$0.00
Insulation Rebates - MN	7	905	2	\$455	0	\$0.00
Lighting - MN	11	448,218	97	\$39,270	0	\$0.00
Lighting One Stop - MN	3	52,608	17	\$7,757	0	\$0.00
Low Income Home Energy Squad - MN	1	1,759	2	\$0	0	\$0.00
Low Income Multi-Family - MN	24	5,533	3	\$12,310	0	\$0.00
Multi-Family Building Efficiency - MN	3	37,247	33	\$6,460	0	\$0.00
Refrigerator Recycling - MN	31	29,590	6	\$1,600	0	\$0.00
Residential HVAC - MN	123	59,584	59	\$32,371	0	\$0.00
Turn Key Services - MN	4	0	0	\$0	0	\$0.00

### Footnotes

[1] Available in the latest Energy and Carbon at a Glance Sheet at: [https://www.xcelenergy.com/Environment/Policy/Carbon\\_Policy](https://www.xcelenergy.com/Environment/Policy/Carbon_Policy). See the table on page 3, which shows our latest CO2 intensity by region in metric tons/MWh and □ lbs/MWh, as calculated using The Climate Registry's electric power sector protocol. Note these are system-wide metrics and do not reflect differences between communities.

[2] Note that the CO2 emission factor for electricity and gas is a preliminary estimate, as calculated using The Climate Registry protocols but not yet third-party verified. This reflects the most accurate and current emissions information available. Emissions data changes slightly as our power suppliers send us revised information, as our emissions go through third-party verification, or as reporting protocols improve. Note also that this emission factor does not include biogenic CO2 from generation, which is reported separately under The Climate Registry protocols.

[3] The Certified Renewable Percentages are based on estimates and have not gone through third party verification as of publication of this report. For more information on the Certified Renewable Percentage please visit <https://www.xcelenergy.com/CertifiedRenewablePercentage>

[4] In the customer energy usage section, if minimum aggregation standards are not met (see note 8 below), Xcel Energy will combine Commercial and Industrial classes into one "Business" line before not presenting data. Commercial Customers by 2-digit NAICS sector falling between 1 and 49, while Industrial Customers are classified by 2-digit NAICS sector falling between 50 and 98. These classifications are collected by Xcel Energy through a voluntary third party customer survey that not all customers respond to this survey, where no other information is available, Xcel Energy assigns those customers to the Commercial class.

[5] The number of customers represents the number of active service connections during the reporting year. The number of actual business or residences within the jurisdiction is smaller than that shown due to the fact that more than one service can be assigned to one customer at a given location.

[6] Estimated total carbon emissions from electricity for a customer class are equal to the total kWh consumed by the customer class, multiplied by the CO2 emission factor for the Xcel Energy system in the applicable region. This does not account for transmission and distribution system line losses or for the fact that some customers within a class may be participating in voluntary renewable energy programs.

[7] Revenues are the bill components associated only with metered energy and demand

[8] To protect individual customer confidentiality, Xcel Energy applies the "15/15 rule" as an aggregation standard to the energy consumption section of this report. So long as a given aggregated value contains 15 or more customers and no single customer makes up 15 percent or more of the aggregated value, the value can be publicized in this report. If these conditions are not met, customers will be removed. The number of customers removed is presented for informational purposes. For more information about Xcel Energy's Privacy Policy, please visit [https://www.xcelenergy.com/billing\\_and\\_payment/customer\\_data\\_&\\_privacy/privacy\\_policy\\_&\\_customer\\_data\\_access](https://www.xcelenergy.com/billing_and_payment/customer_data_&_privacy/privacy_policy_&_customer_data_access)

[9] Estimated total carbon emissions from natural gas for a customer class are equal to the total therms consumed by the customer class, multiplied by the standard CO2 coefficient of 11.7 lbs/therm. □  
Informational purposes. For more information about Xcel Energy's Privacy Policy, please visit [https://www.xcelenergy.com/billing\\_and\\_payment/customer\\_data\\_&\\_privacy/privacy\\_policy\\_&\\_customer\\_data\\_access](https://www.xcelenergy.com/billing_and_payment/customer_data_&_privacy/privacy_policy_&_customer_data_access)

[10] This section simply reports participation by customer class, within the geographic boundaries of the community or state being reported, in various voluntary wind and solar programs. No representations are made as to the ownership of the CO2-free attributes of the electricity being purchased by those customers. In the case of Windsource, Xcel Energy retires Renewable Energy Credits (RECs) on behalf of the participating customer; treatment of RECs varies among the solar general, ownership of environmental attributes is either with the customer or remains with Xcel Energy, unless specifically transferred to the community, so cannot be claimed by the community. In addition, our accounting methods do not all system CO2 emission factors for individual jurisdictions to remove the effects of any CO2-free kWh transferred to customers under our voluntary programs

[11] For Solar\*Rewards customers, the energy production value shown reflects that of customers who have a dedicated production meter for their photovoltaic system as well as an estimated value for those that do not. For those customers with a production meter, the estimated production value is based off of the average generation per nominal capacity of production-metered systems multiplied by the known nominal capacity of the customer system. Number includes Made in Minnesota

[12] Incentives Paid are those Solar Rewards incentives paid by Xcel Energy only. Does not include Made in Minnesota payments.

[13] For Clean Transportation Programs, all reporting data is reported as of March 1, 2023.

\*As described in note 8 above, an asterisk represents a row of values for which one or more customers were removed due to implementation of Xcel Energy's Privacy Policy.

**The information contained in this report relies on various assumptions, including some identified in footnotes, and is intended for general informational and instructional purposes only. The report is not to be relied upon for any other reason, including any litigated or other contested proceedings. Any customer data removed from the report is done so in compliance with Xcel Energy's Privacy Policy and applicable state commission customer information and data privacy requirements.**

<b>Total</b>
1,025,699.00
7,134,736.00
150,814.00
817,652.00
9,128,901.00



Customers Removed from Dataset	
	0
	0
	0
	0



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omers are classified r. Due to the fact
rvice connection
account for
single customer ore information

re renewable or programs. In ow us to adjust the
that do not have a sota production.