

## ANNUAL COMMUNITY ENERGY REPORT BY XCEL ENERGY

<b>Community:</b>	City of Denver
<b>Year of Data:</b>	2021

### Utility System Characteristics [1]

Electric	0.4770	metric tons CO2/ MWh [2]
Gas	0.0052	metric tons CO2/ Th

Resource Mix	Resource Contribution
Coal	31.90%
Gas	28.50%
Wind	32.70%
Hydro	0.80%
Solar	5.20%
Nuclear	0.80%
Bio Mass	0.10%
Other	0.00%

### Certified Renewable Percentage [3]

Colorado	
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RES Retirements	Vintage	Vintage	Vintage	Vintage	Vintage	Bonus	WS
Fuel Type	2017	2018	2019	2020	2021	RECs	Credit
Solar	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-
Biomass	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-

CRP Retirements	Vintage	Vintage	Vintage	Vintage	Vintage	Total
Fuel Type	2017	2018	2019	2020	2021	
Solar	-	-	-	-	-	-

Wind	-	-	-	-	-	-
Biomass	-	-	-	-	-	-
Hydro	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-

#### 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]
Business *	34,888	5,047,418,487	2,407,619	\$482,459,979	0
Residential	317,332	2,023,565,843	965,241	\$252,764,807	0
Street Lighting - Metered	n/a	1,209,391	577	\$118,848	-
Street Lighting - Non-Metered/Customer Owned	n/a	268,952	128	\$26,300	-
Street Lighting - Non-Metered/Xcel-Owned	n/a	46,575,334	22,216	\$13,304,896	-
<b>Total:</b>	<b>352,220</b>	<b>7,119,038,007</b>	<b>3,395,781</b>	<b>\$748,674,830</b>	

Natural Gas	Number of Customers [5]	Energy Consumption (therms)	Carbon Emissions (metric tons CO2) [9]	Revenues Billed [7]	Customers Removed from Dataset [8]
Business	21,463	205,979,794	1,071,095	\$92,028,918	0
Residential	202,160	146,426,186	761,416	\$119,765,131	0
<b>Total:</b>	<b>223,623</b>	<b>352,405,980</b>	<b>1,832,511</b>	<b>\$211,794,049</b>	

#### Programmatic Data [10]

Windsorce	Number of Customers	Subscribed Energy (kWh)	Customers Removed from Dataset
Community - Business Total	195	26,960,213	n/a
Community - Residential Total	19,836	55,602,604	n/a
Colorado - Business Total	1,077	79,456,964	n/a
Colorado - Residential Total	75,172	220,228,717	n/a

Renewable*Connect	Number of Customers	Subscribed Energy (kWh)	Customers Removed from Dataset
Community - Business Total	261	31,916,916	n/a
Community - Residential Total	673	2,636,612	n/a

Colorado - Business Total	724	84,980,318	n/a
Colorado - Residential Total	2,695	12,518,250	n/a

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	2,172	28	105,169	17,605	60,054,088	\$5,354,118
Community - Residential Total	12,944	454	64,991	2,489	49,180,841	\$283,109
Colorado - Business Total	7,442	93	401,552	22,771	315,959,210	\$25,053,957
Colorado - Residential Total	74,656	2,223	440,793	13,987	300,743,317	\$1,776,949

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	76	13	4,690.48	351	4081414	n/a
Community - Residential Total	5,990	1,422	32,919.73	8,467	29748126	n/a
Colorado - Business Total	371	100	11,661.14	2,032	20622582	n/a
Colorado - Residential Total	32,346	7,753	189,586.56	48,370	279094948	n/a

Solar Gardens (PV)	Number of Customers	Subscribed Capacity (kW)	Subscribed Energy (kWh)	Customers Removed from Dataset
Community - Business Total	127	23,061	32,471,628	n/a
Community - Residential Total	840	4,211	3,665,568	n/a
Colorado - Business Total	1,634	124,790	198,724,083	n/a
Colorado - Residential Total	3,035	15,434	14,040,942	n/a

Load Management (Demand Response)	Number of Customers	Available Capacity (kW)	Rebates or Incentives Paid	Customers Removed from Dataset [8]
AC Rewards - Business			0	7
AC Rewards - Residential	3,412	4,538	\$97,725	n/a
Critical Peak Pricing - Business			0	9
Electric Vehicle Critical Peak Pricing - Business			0	4
ISOC - Business			0	15
Peak Partner Rewards - Business			0	13

Savers Switch - Residential	31,025	32,300	\$1,243,920	n/a
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Electric Vehicle Programs [13]	Number of Customers	Electric Energy Savings (kWh)	Electric Demand Savings (kW)	Electric Rebates or Incentives Paid
Charging Perks Pilot*	224	n/a	n/a	n/a
Commercial Equity Programs*	0	n/a	n/a	n/a
Community Advisory Services	N/A	n/a	n/a	n/a
Community Charging Hubs Program	4 (Ports Awarded)	n/a	n/a	n/a
EV Charger and Wiring Rebate Program	453 (Rebates Issued)	n/a	n/a	n/a
EV Home Charger Service Program	417 (Installations)	n/a	n/a	n/a
Fleet Advisory Services	5 (Completed Assessments)	n/a	n/a	n/a
Fleet & Workplace Infrastructure Service Programs	266 (Ports Awarded)	n/a	n/a	n/a
Multi-Family Housing Advisory Services	N/A	n/a	n/a	n/a
Multi-Family Housing Program	353 (Ports Awarded)	n/a	n/a	n/a
Optimize Your Charge*	944	n/a	n/a	n/a
Public EVSI Program	167 (Ports Awarded)	n/a	n/a	n/a
Residential Advisory Services	N/A	n/a	n/a	n/a
Residential EV Rebates Equity Programs	39 (Rebates Issued)	n/a	n/a	n/a

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
Compressed Air - CO	9	644,128	182	\$78,127	0	\$0.00
Custom Efficiency - CO	6	13,065,335	2,259	\$1,106,205	0	\$0.00
Data Center Efficiency - CO	1	283,842	47	\$18,952	0	\$0.00
Energy Design Assistance - CO	61	20,974,954	6,487	\$3,826,601	537,104	\$255,339.48
Energy Efficient Buildings - CO	22	2,870,390	1,059	\$295,948	15,563	\$14,513.08
Energy Efficient Showerhead - CO	232	19,758	2	\$158	7,385	\$1,417.91
Energy Management Systems - CO	5	3,753,547	488	\$231,844	11,220	\$4,488.00
Energy Star Homes - CO	356	688,699	157	\$100,963	65,273	\$107,717.06
Home Energy Squad - CO	258	199,491	204	\$185	5,961	\$379.42
Insulation Rebates - CO	385	91,096	137	\$86,448	92,789	\$129,353.09
Lighting - CO	458	51,906,863	11,134	\$4,437,750	0	\$0.00
Multifamily Buildings - CO	97	1,009,830	1,024	\$246,400	18,177	\$11,518.00

Recommissioning - CO	3	606,455	100	\$24,725	664	\$212.25
Refrigerator Recycling - CO	790	634,949	116	\$41,850	0	\$0.00
Self Direct - CO	1	553,960	234	\$122,852	0	\$0.00
Strategic Energy Management - CO	1	90,892	214	\$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 bi 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 Customer 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. Due to 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 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 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 represents up to 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 on Xcel Energy's Privacy Policy, please visit [https://www.xcelenergy.com/billing\\_and\\_payment/customer\\_data\\_and\\_privacy/privacy\\_policy\\_and\\_customer\\_data\\_access](https://www.xcelenergy.com/billing_and_payment/customer_data_and_privacy/privacy_policy_and_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. For more information about Xcel Energy's Privacy Policy, please visit [https://www.xcelenergy.com/billing\\_and\\_payment/customer\\_data\\_and\\_privacy/privacy\\_policy\\_and\\_customer\\_data\\_access](https://www.xcelenergy.com/billing_and_payment/customer_data_and_privacy/privacy_policy_and_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 renewable 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 programs and 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 allow us to adjust 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 that do not have 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 Electric Vehicle Programs, all reporting data is reported as of March 1, 2022. It is important to note that the Company intends to meet all reporting requirements set forth in the TEP proceeding but in this report, some data is not available as some time programs have been in market.

\*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>
-
-
-
-
-

<b>Customers Removed from Dataset</b>
n/a
n/a
n/a
n/a

but sometimes biomass power
is classified by the fact that not
connection can be
cost for transmission
the customer makes a decision about Xcel
renewable or CO2- free. In general, the system CO2
do not have a net production.
due to the short



**State Code**

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