

ANNUAL COMMUNITY ENERGY REPORT BY XCEL ENERGY

Community:	City of Golden
Year of Data:	2020

Utility System Characteristics [1]

Electric	0.4740	metric tons CO2/ MWh [2]
Gas	0.0053	metric tons CO2/ Th

Resource Mix	Resource Contribution
Coal	25.80%
Gas	37.30%
Wind	30.60%
Hydro	0.80%
Solar	4.70%
Nuclear	0.70%
Bio Mass	0.10%
Other	0.10%

Certified Renewable Percentage [3]

Colorado	31.93%
----------	--------

RES Retirements	Vintage	Vintage	Vintage	Vintage	Vintage	Bonus	WS
Fuel Type	2016	2017	2018	2019	2020	RECs	Credit
Solar	235,215.00	180,033.00	356,142.00	-	-	68,493.00	-
Wind	4,599,719.00	1,577,746.00	-	-	-	1,308,983.00	41,796.00
Biomass	16,539.00	6,730.00	-	-	-	5,817.00	-
Hydro	139,974.00	64,943.00	-	-	-	51,230.00	-
Total	4,991,447.00	1,829,452.00	356,142.00	-	-	1,434,523.00	41,796.00

CRP Retirements	Vintage	Vintage	Vintage	Vintage	Vintage	
Fuel Type	2016	2017	2018	2019	2020	Total
Solar	-	-	-	-	68,646.00	68,646.00
Wind	-	-	-	-	614,385.00	614,385.00

Biomass	-	-	-	-	686.00	686.00
Hydro	-	-	-	-	2,745.00	2,745.00
Total	-	-	-	-	686,462.00	686,462.00

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]
Business *	1,702	180,684,892	85,645	\$16,518,057	1
Residential	8,346	53,345,452	25,286	\$6,082,286	0
Street Lighting - Metered	n/a	7,114	3	\$229	-
Street Lighting - Non-Metered/Customer Owned	n/a	16,095	8	\$1,573	-
Street Lighting - Non-Metered/Xcel-Owned	n/a	93,213	44	\$9,097	-
Total:	10,048	234,146,766	110,986	\$22,611,243	

Natural Gas	Number of Customers [5]	Energy Consumption (therms)	Carbon Emissions (metric tons CO2) [9]	Revenues Billed [7]	Customers Removed from Dataset [8]
Business *	1,211	11,636,675	61,674	\$3,036,958	2
Residential	6,062	4,319,377	22,893	\$2,846,375	0
Total:	7,273	15,956,052	84,567	\$5,883,333	

Programmatic Data [10]

Windsource	Number of Customers	Subscribed Energy (kWh)
Community - Business Total	19	2,351,114
Community - Residential Total	561	1,709,102
Colorado - Business Total	971	63,275,995
Colorado - Residential Total	66,208	180,840,644

Renewable*Connect	Number of Customers	Subscribed Energy (kWh)
Community - Business Total	3	532,815
Community - Residential Total	24	105,653
Colorado - Business Total	734	89,437,346
Colorado - Residential Total	2,759	13,388,569

On-site Solar (Solar*Rewards)	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	194	3	3,476	186	6,090,732	\$428,552
Community - Residential Total	408	8	2,189	41	893,928	\$16,164
Colorado - Business Total	3,634	259	178,695	12,930	304,562,765	\$25,728,435
Colorado - Residential Total	35,100	1,314	206,515	8,216	117,072,299	\$1,664,269

On-site Solar (non-Solar*Rewards)	Total Installations	Installations During Reporting Year	Total Capacity (kW)	Capacity Installed During Reporting Year (kW)
Community - Business Total	n/a	4	n/a	92
Community - Residential Total	n/a	41	n/a	251
Colorado - Business Total	n/a	118	n/a	4,084
Colorado - Residential Total	n/a	6,800	n/a	40,083

Solar Gardens (PV)	Number of Customers	Subscribed Capacity (kW)	Subscribed Energy (kWh)
Community - Business Total	54	4,003	7,168,850
Community - Residential Total	15	41	58,261
Colorado - Business Total	1,257	97,343	164,351,340
Colorado - Residential Total	1,154	5,219	6,926,689

Load Management (Demand Response)	Number of Customers	Available Capacity (kW)	Rebates or Incentives Paid	Customers Removed from Dataset [8]
Community - Business Total	n/a	n/a	n/a	1
Community - Residential Total	1,248	1,312	\$49,710	0
Colorado - Business Total	141	61,144	\$8,429,552	4
Colorado - Residential Total	193,675	202,079	\$7,736,715	0

Electric Vehicle Programs	Number of Customers	Electric Energy Savings (kWh)	Electric Demand Savings (kW)	Electric Rebates or Incentives Paid
EV Critical Peak Pricing - State Total	23	0	336	\$0

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
Cooling - CO	4	149,065	45	\$0	0	\$0.00
Energy Analysis - CO	1	0	0	\$0	0	\$0.00
Energy Design Assistance - CO	2	756,483	170	\$115,874	35,080	\$15,090.00
Energy Efficient Showerhead - CO	51	2,176	0	\$18	1,485	\$289.00
Energy Star Homes - CO	3	2,537	0	\$711	429	\$639.00
Evaporative Cooling - CO	39	59,547	108	\$29,400	0	\$0.00
Heating Efficiency - CO	2	0	0	\$0	721	\$1,296.00
Home Energy Squad - CO	1	1,259	1	\$0	25	\$0.00
Home Performance - CO	1	397	1	\$419	291	\$429.00
Insulation Rebates - CO	19	4,411	8	\$5,288	7,112	\$7,297.00
Lighting - CO	15	855,485	148	\$40,846	0	\$0.00
Low Income SF Weatherization - CO	1	268	0	\$40	51	\$310.00
Motors Efficiency - CO	1	16,332	3	\$1,800	0	\$0.00
Multifamily Buildings - CO	3	60,900	62	\$9,105	979	\$663.00
Refrigerator Recycling - CO	51	38,827	7	\$2,700	0	\$0.00
Residential Heating - CO	37	15,132	4	\$1,830	6,575	\$9,600.00
Thermostat Optimization - CO	22	3,756	7	\$768	1,080	\$432.00
Water Heating - CO	13	18,753	3	\$2,100	717	\$800.00

Footnotes

[1] Available in the latest Energy and Carbon at a Glance Sheet at: 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, as sometimes 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 biomass power 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 are classified 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 survey. Due to the fact 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 connection 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 include 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 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_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. □
Informational purposes. 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

[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 or 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 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 use the 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 who 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 production.

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

*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.