

ANNUAL COMMUNITY ENERGY REPORT BY XCEL ENERGY

Community:	City of Golden
Year of Data:	2019

Utility System Characteristics [1]

Electric	0.5140	metric tons CO2/ MWh [2]
Gas	0.0053	metric tons CO2/ Th [3]

Resource Mix	Resource Contribution
Coal	33.00%
Gas	37.00%
Wind	25.00%
Hydro	1.00%
Solar	4.00%
Nuclear	0.00%
Bio Mass	0.00%
Other	0.00%

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 *	1,671	185,324,233	95,257	\$16,754,664	1
Residential	8,271	50,512,362	25,963	\$5,623,235	0
Street Lighting - Metered	n/a	9,731	5	\$1,159	-
Street Lighting - Non-Metered/Customer Owned	n/a	16,095	8	\$1,575	-
Street Lighting - Non-Metered/Xcel-Owned	n/a	437,995	225	\$88,984	-
Total:	9,942	236,300,416	121,458	\$22,469,617	

Natural Gas	Number of Customers [5]	Energy Consumption (therms)	Carbon Emissions (metric tons CO2) [9]	Revenues Billed [7]	Customers Removed from Dataset [8]
Business *	1,205	9,259,472	49,075	\$3,144,668	3
Residential	6,065	4,693,198	24,874	\$3,322,451	0
Total:	7,270	13,952,670	73,949	\$6,467,119	

Programmatic Data [10]

Windsource	Number of Customers	Subscribed Energy (kWh)
Community - Business Total	16	1,049,689
Community - Residential Total	517	1,540,828
Colorado - Business Total	907	52,466,379
Colorado - Residential Total	58,409	158,707,024

Renewable*Connect	Number of Customers	Subscribed Energy (kWh)
Community - Business Total	3	635,665
Community - Residential Total	26	114,330
Colorado - Business Total	726	89,638,651
Colorado - Residential Total	2,823	14,183,879

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	192	1	3,297	5	4,186,993	\$282,041
Community - Residential Total	399	2	2,141	11	512,835	\$9,161
Colorado - Business Total	4,500	263	193,662	30,340	261,360,251	\$22,755,956
Colorado - Residential Total	37,453	1,992	225,792	14,807	101,097,388	\$1,439,255

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	3	n/a	21
Community - Residential Total	n/a	44	n/a	334
Colorado - Business Total	n/a	98	n/a	9,936
Colorado - Residential Total	n/a	6,257	n/a	36,185

Solar Gardens (PV)	Number of Customers	Subscribed Capacity (kW)	Subscribed Energy (kWh)
Community - Business Total	54	3,996	4,414,452
Community - Residential Total	12	36	54,675
Colorado - Business Total	1,106	89,087	120,951,649

Colorado - Residential Total	1,032	4,138	6,061,174
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Load Management (Demand Response)	Number of Customers	Available Capacity (kW)	Rebates or Incentives Paid
Community - Business Total	3	5,429	\$772,781
Community - Residential Total	1,265	1,331	\$50,360
Colorado - Business Total	93	149,450	\$15,432,512
Colorado - Residential Total	196,857	205,405	\$7,836,025

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
Business - Total	158	9,582,667	1,958	\$860,198	7,257	\$10,197
Commercial Refrigeration Efficiency - CO	1					
Compressed Air - CO	2					
Cooling - CO	19					
Energy Design Assistance - CO	5					
Energy Management Systems - CO	6					
Heating Efficiency - CO	2					
Lighting - CO	50					
Lighting - Small Business - CO	58	459,704	100	\$19,672	0	\$0
Motors Efficiency - CO	5					
Multifamily Buildings - CO	1					
Process Efficiency - CO	8	2,901,613	565	\$294,136	0	\$0
Recommissioning - CO	1					
Residential - Total	1,224	564,063	429	\$134,457	48,334	\$66,036
Air Conditioning - CO	228	75,037	89	\$56,869	6,404	\$7,681
Energy Efficient Showerhead - CO	274	12,915	1	\$111	8,547	\$1,723
Evaporative Cooling - CO	84					
Home Energy Audits - CO	32	0	0	\$3,260	0	\$3,100
Home Energy Squad - CO	23					
Home Performance - CO	6					
Insulation Rebates - CO	9	1,970	4	\$2,615	2,558	\$3,716
Low Income Kits - CO	55	19,663	16	\$1,261	1,128	\$245
Low Income SF Weatherization - CO	8					

Refrigerator Recycling - CO	195	171,083	32	\$9,600	0	\$0
Residential Heating - CO	158	121,312	30	\$15,020	18,132	\$35,100
Thermostat Optimization - CO	129	20,860	36	\$4,571	5,856	\$2,529
Water Heating - CO	23	7,095	1	\$900	1,172	\$1,710

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 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 C power generation, which is reported separately under The Climate Registry protocols.

[3] In the customer energy usage section, if minimum aggregation standards are not met, Xcel Energy will combine Commercial and Industrial classes into one "Business" line before not presenting data.

[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 customer 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 service 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 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

[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.

[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 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 solar programs. In 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 allow us to adjust 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 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 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.