

TRACKING DENVER'S CONTRIBUTIONS TOWARDS A 100% RENEWABLE ELECTRIC SYSTEM IN COLORADO



By 2030, 100% of Denver's community-wide electricity use will contribute to a clean energy system.

The following metrics track the Renewable Energy Credits, or "RECs", created by Denverites and transferred to and retired by Xcel Energy to achieve a 100% renewable electric grid (1 REC = 1 MWh).

1. "System Renewables"

2019 Contribution	2030 Target
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System RECs not created by, subscribed to, or sold to other customers as a percentage of Denver's electricity:	20.7%	60-80%
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1,382,044 RECs in the Xcel Energy system due to Denver ratepayers contributions through their utility bills that are not created by, subscribed to, or sold to other customers.

Basis for "System Renewables" ¹	2019 (MWh)
Retail RECs obtained after transfers	9,588,148
<i>Deductions for contributions from other customers</i>	
REC Sales to 3 rd Parties	(2,629,408)
RECs retired for utility-scale RE subscriptions	(307,393)
RECs obtained from retail distributed solar	(539,011)

6,112,336 MWh out of 29,564,304 MWh (Xcel Energy's total retail sales w/distributed solar in 2019)
As Xcel Energy ratepayers, this ratio applies to Denver's community-wide electricity use.

2. "Distributed Solar"

Distributed solar REC transfers to Xcel Energy as a percentage of Denver's electricity use:	1.2%	30-40%
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82,254 RECs created by Denver customers with on-site solar arrays or subscriptions to community solar gardens that are transferred to Xcel Energy to decarbonize the electric grid.

Basis for "Distributed Solar" ²	2019 (MWh)
RECs created from on-site solar (Solar*Rewards)	66,819
Community solar gardens	13,435

82,254 MWh out of 6,676,539 MWh (Denver's community-wide electricity use in 2019)

3. "Utility-Scale RE Subscriptions"

RECs retired due Denver customer participation in utility-scale RE programs as a percentage of Denver's electricity use:	0.8%	10-15%
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51,251 RECs retired due to participation in Xcel Energy's Renewable Connect and Windsource programs by Denverites.

Basis for "Utility-Scale RE Subscriptions" ²	2019 (MWh)
Windsource	51,251
Renewable Connect	n/a

51,251 MWh out of 6,676,539 MWh (Denver's community-wide electricity use in 2019)

1,515,549 RECs created by Denverites and transferred to Xcel Energy to decarbonize the electric system in Colorado. Compared to 6,676,539 MWh of community-wide electricity use in 2019.

Denver's Contributions to a Clean Grid (2019) 22.7%

¹ System data available from Attachments B and C of Xcel Energy's annual RES compliance filings
www.xcelenergy.com/company/rates_and_regulations/filings/renewable_energy_plans_and_reports

² Data available from Xcel Energy's annual Community Energy Reports.
www.xcelenergy.com/working_with_us/municipalities/community_energy_reports