

Information Item: Review of Community Solar Garden Program

Sara Smith, Environmental Services Sustainability Manager

Metropolitan Council: June 10, 2020



Community Solar Benefits Council, the Region, and Our Customers

Lead by Example in Sustainability

Advancing renewable energy and
reducing regional carbon emissions

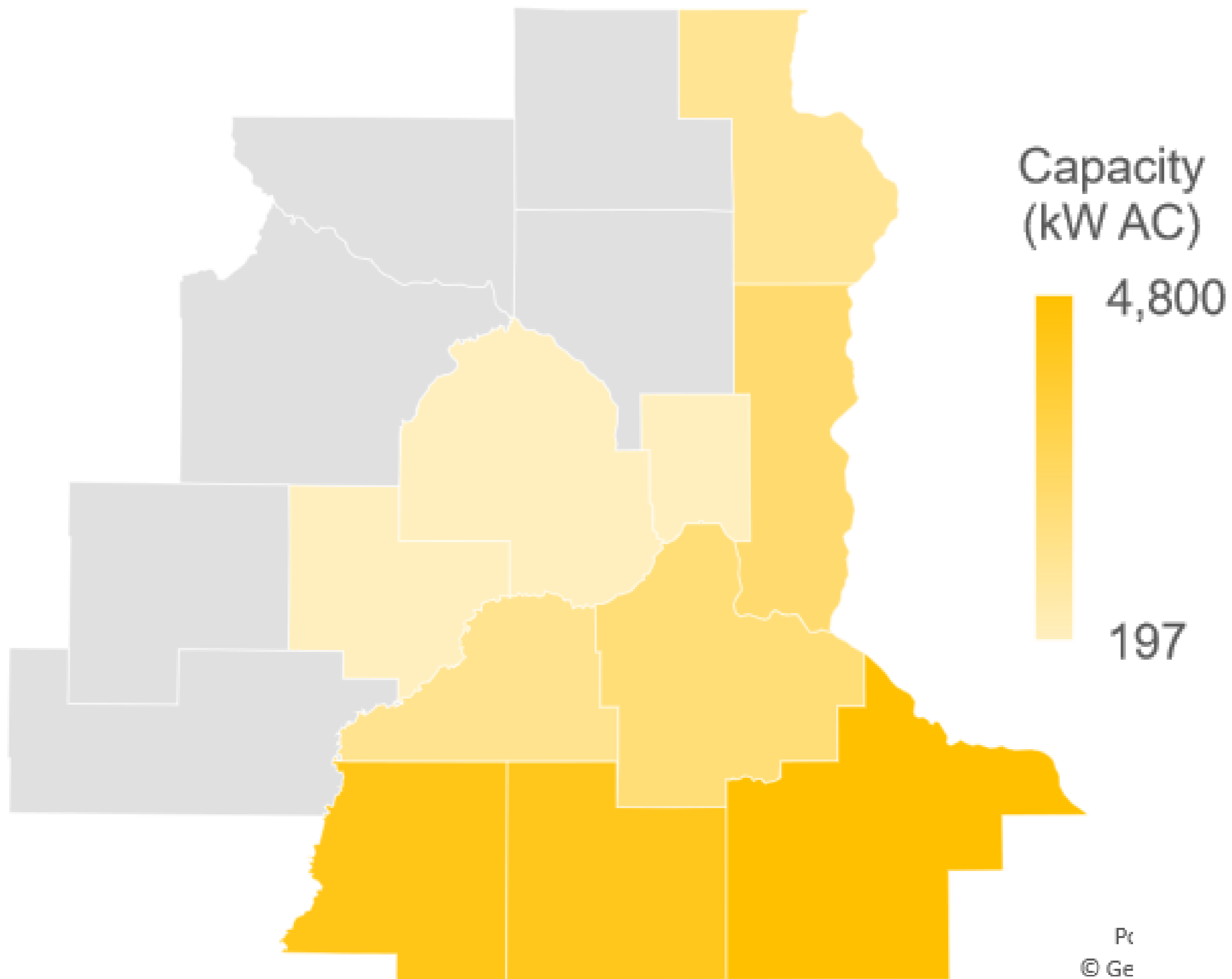
Provide Good Value for the Region

MCES subscriptions save \$5+ million
(Net Present Value) over 25-year term

Collaboration with Our Customers

30 communities in joint solicitation wins
Humphrey School Innovation Award

MCES Subscriptions Across the Region



Subscriptions at MCES Sited Gardens

- 1.2 megawatts at Blue Lake
- 1 megawatts at Empire
- 300 kilowatts at Seneca Ash Landfill

Subscriptions Elsewhere

- 17.5 megawatts at 79 gardens in greater metro

Current Program Savings to MCES

Year	Invoice Charges	Bill Credits	Net
2017	(\$907,972)	\$1,000,719	\$92,746
2018	(\$2,467,200)	\$2,696,131	\$228,931
2019	(\$3,339,161)	\$3,566,175	\$227,014
Cumulative	(\$6,714,333)	\$7,263,025	\$548,692

all values in current year dollars

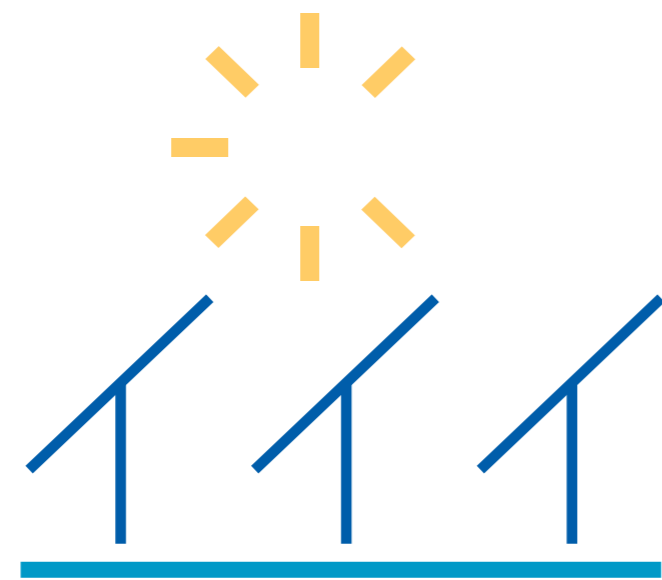
25 Net Present Value ~\$5 million



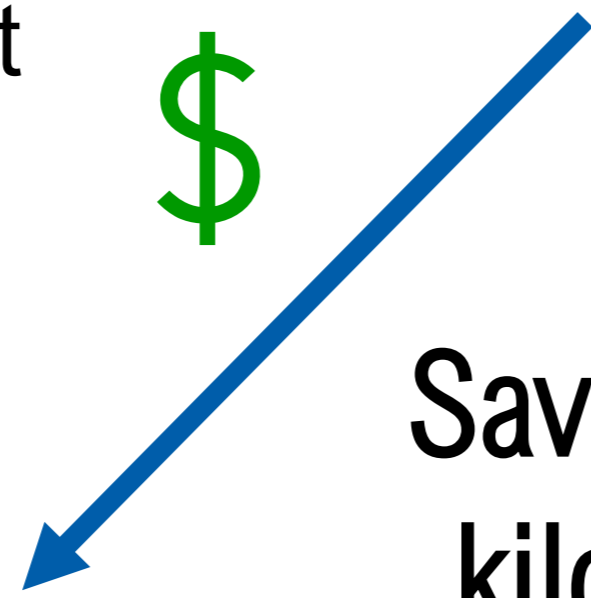
How Community Solar Works

Invoice Charges

MCES pays operator based on amount solar energy produced



\$



\$

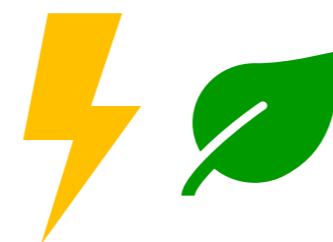


Bill Credits

Xcel provides a bill credit for solar energy sent to the grid



Saves 1.2¢ per kilowatt-hour



Solar Energy

Operator sends solar energy to Xcel Energy grid.



Questions

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