

SharedSolar Advantage

A Closer Look at SharedSolar Advantage and Rooftop Solar Proposals

SharedSolar Advantage

CEC is committed to providing an affordable, no-hassle solar option: SharedSolar Advantage. SharedSolar Advantage is a carbon-free, sustainable energy option for Citizens Electric members. With SharedSolar Advantage, you can purchase electricity output from community solar parks and have that amount credited to your monthly bill. Instead of installing solar panels on your home or business, SharedSolar gives participants the opportunity to participate in sustainable electricity generated by cooperative solar parks in Missouri, Illinois, and Indiana.

Community Solar Compared to Rooftop

Rooftop solar, in which solar panels are installed on rooftops, is typically a more costly option to SharedSolar Advantage. Two competing rooftop solar proposals, Proposal A and Proposal B, were compared to SharedSolar Advantage for the same home (see next page).

Other important considerations:

- Maintenance
- Additional homeowners' insurance
- Removal/disposal replacement
- Investor replacement cost
- Removing panels to repair/replace roofing
- **Citizens Electric has not raised rates since May 2015**

Proposal A

- 65% larger solar array than Proposal B
- 46% less cost than Proposal B
- Financed \$20,000 installation over 10 years at 3% annual interest rate
- **Paybacks vs. Shared Solar Advantage: 22.5 years**

Proposal B

- 40% smaller solar array than Proposal A
- 84% higher cost than Proposal A
- Financed \$40,000 installation over 25 years
- Exaggerated electric rate increases at 4% per year for 30 years
- **Payback vs. SharedSolar Advantage: 82.3 years**

WE HAVE INVESTED IN SOLAR SO YOU DON'T HAVE TO.

Citizens Electric is committed to providing an easy, no hassle option to rooftop solar: SharedSolar Advantage. This program allows members to share in the carbon-free, sustainable electricity generated by solar parks in Ste. Genevieve and Perryville.

Available to homeowners, renters, businesses and industries.



cecmo.com/sharedsolaradvantage



ARRAY DETAILS & COSTS

	SharedSolar Advantage	Proposal A	Proposal B
System Size (KW)	4.5	5.3	3.2
Installed Cost Before Tax Credit	\$3,190	\$21,700	\$40,000
Installed Cost After Tax Credit	\$3,190 ¹	\$16,058	\$36,581 ²
Monthly Installment	\$63.83	\$154.71	\$173.28
Term (years)	5	10	25
Annual Interest Rate	0%	2.95%	2.99%
Total Payments	\$3,830	\$18,565	\$51,984

MEMBER UTILITY DATA & PROJECTED COSTS

Annual Electric Usage (Kwhs)	11,400	11,400	11,400
Average Monthly Electric Cost	\$136	\$136	\$136
Annual Solar Generation (Kwhs) ³	6,624	7,123	4,317
Energy Efficient Savings (Kwhs) ⁴	0	0	1,140
Adjusted Electric Bill	\$76.79	\$71.99	\$88.01
Solar Adder	\$63.83	\$154.71	\$173.28
Monthly Electric + Solar Cost	\$140.62	\$226.70	\$261.29

¹ Federal tax credits of 26% for 2022 installations do not apply to SharedSolar Advantage.

³ Annual solar generation is based on rooftop and community solar averages.

² Solar cost per watt on Proposal A was used on Proposal B since actual solar installation cost was not separated in the bundled Proposal B that included non-solar energy efficient measures. The energy efficient measures identified in Proposal B do not qualify for the federal solar tax credit.

⁴ The claimed savings in electricity usage from the energy efficient measured in Proposal B was adjusted to a more realistic 10% from the 25% stated in the proposal.

Why SharedSolar Advantage?

- No hardware is required on your premises. The solar parks are owned and maintained by Wabash Valley Power Alliance, the wholesale power provider for Citizens Electric.
- If your home orientation or roof pitch is not suited for rooftop solar, optimal year-round electricity production is possible with WadashPower solar parks, which are designed with ideal orientation, solar tilt and zero shading.
- All Citizens Electric members are eligible; renters, businesses, and HOA-restricted and shade-limited homeowners.
- A one-page agreement allows members to begin participating for \$19.99 per month.
- Participants may choose the one-time prepayment option to receive a discount from the monthly option and receive energy credits for the next 60 months.
- SharedSolar allows for flexibility. If you prepaid and are still within the 60-month term, you still have several options. You can transfer the unused portion to your new Citizens Electric-served premises. Citizens Electric will refund the unused portion, you can sell the unused portion to another Citizens Electric member, or you can donate the unused portion to a Citizens Electric-served non-profit organization.



Interested? Call us at 877-876-3511 and choose option 5.