

RESIDENTIAL SOLAR IN WISCONSIN

JULY 2021

SOLAR POWER IS AFFORDABLE AND COST EFFECTIVE

Solar power for your home is an affordable option for many Wisconsin households. The costs of solar systems have dropped over 75% in the last decade! Solar systems can be sized to offset most or all of the electricity consumed at your house. Declining costs, coupled with federal tax credits and state incentives, have enabled solar energy to become affordable and cost effective all across Wisconsin.

TODAY'S SOLAR ECONOMICS

Installed cost of an average-size 5 kW residential solar electric system (before incentives and tax credits)

\$15,000

Focus on Energy incentive

-\$500

26% federal tax credit on remaining system cost

-\$3,770

Out-of-pocket cost of an average 5 kW residential solar electric system

\$10,730

ANNUAL SAVINGS FROM AVERAGE 5 KW RESIDENTIAL SOLAR ELECTRIC SYSTEM

For a household paying 10 cents/kWh (WPS, some municipals), the savings should be about \$600.

For a household paying 12 cents/kWh (Alliant, Xcel), the savings should be about \$720.

For a household paying 13.5 cents/kWh (MGE, We Energies), the savings should be about \$810.

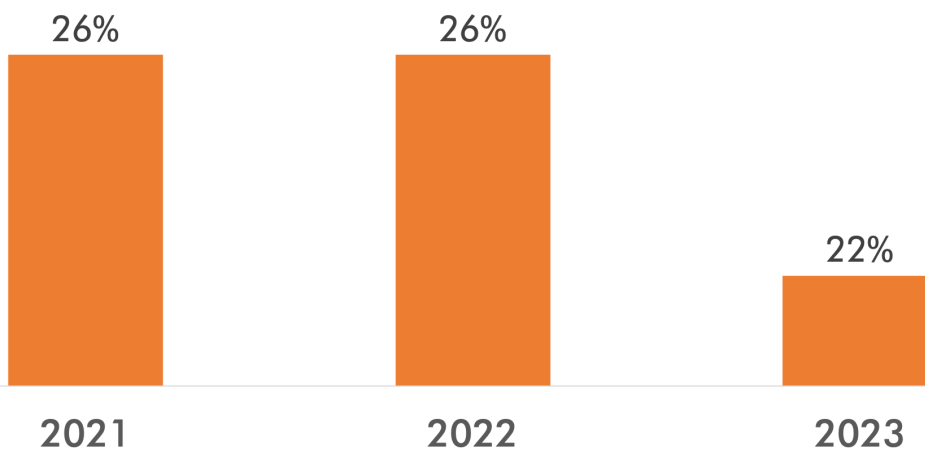
Solar panels installed today can last 30 years or more with only a slight degradation (0.5%) in panel output every year. This means that new panels installed today will still produce 90% of their original power 20 years from now.

FOCUS ON ENERGY SOLAR INCENTIVES AVAILABLE IN 2021

In 2021, Focus on Energy has a budget of \$1.5 million in residential rebates for solar photovoltaic systems. The residential incentive for solar PV is a flat \$500, regardless of system size.

HOW LONG WILL THE SOLAR TAX CREDITS LAST?

RESIDENTIAL SOLAR TAX CREDITS BY YEAR



FEDERAL SOLAR INVESTMENT TAX CREDIT (ITC)

26% of installed cost of solar electric system (in 2021).

Note: you must have taxable income to offset.

Average price of a residential solar electric system is \$3.00/watt or \$3,000 per kilowatt.

The cost of installing solar has dropped over 75% since 2009.



SOLAR PAYBACK TIME

With cost savings of over \$700 per year, most Wisconsin solar systems for homes pay for themselves in around 10 years. With 20+ years of reduced electric bills, total savings can be well over \$20,000.

NET METERING

Net metering enables you to get credits from your electric provider for extra solar energy your system produces during the day when the sun is out. The credits offset your electric usage when the sun isn't shining.



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