

Residential Photovoltaic (PV) and Solar Hot Water Incentives for EWEB Customers

Winter, 2010



Since 1994

Photovoltaic Systems

Typical residential solar electric 'array' sizes range from 2,000-6,000 watts of 'installed DC capacity'.

EWEB Incentive

- \$2 per AC watt*, up to \$10,000

Tax Credits**

- State: \$3 per DC watt, up to \$6,000
(\$1,500 per year, over 4 years)
- Federal: 30% of installed cost after utility incentive
(This credit must be claimed within 2 years)

Example: For a Standard 2,000 watt system***

This system can produce up to 2,250 kWh/yr with minimal shading from obstructions.

\$15,500 Estimated installed cost (systems typically range from \$15,000-\$18,000)

-\$3,300 EWEB Incentive @ \$2/Watt AC

\$12,200 Amount homeowner pays to contractor for system

-\$6,000 State Tax Credit (over 4 years)

-\$3,660 Federal Tax Credit (30% of \$12,200)

\$2,540 Final Net Cost to Homeowner (typical system)

*EWEB's incentive is based on "AC" watts and a de-rate factor is used for some loss converting from DC to AC Power (about 18% loss).

**Ability to take advantage of tax credits assumes tax liability.

***System costs can vary, depending on size, complexity and location.

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Residential Incentives for EWEB Customers, cont.

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Solar Hot Water Systems

Typical systems consist of either (1) 4' x 10' collector for households with 2-4 people or (2) 4' X 8' collectors for households with 4-6 people. Incentives are based on kilowatt hours (kWh) saved annually.

EWEB Incentives:

- \$400 to \$600 depending on system size
- \$4,000 zero % interest 5 year loan

Tax Credits

- State: 60 cents per kWh saved/yr; **up to \$1,500**
- Federal: 30% of installed cost after utility incentive
(This federal credit must be claimed within 2 years)

Example: For a standard system, 3 person household

(1) 4' X 10' collector system

\$7,700	Total installed cost
<u>-\$440</u>	EWEB Incentive (Paid to contractor after EWEB inspection and approval)
\$7,260	Amount homeowner pays to contractor for system
<u>-\$1,320</u>	State Tax Credit (can be used over 6 years)
<u>-\$2,178</u>	Federal Tax Credit (30% of \$7,260)
<u>\$3,762</u>	Final Net Cost to Homeowner (typical system)

*Due to lower hot water usage, installation of hot water systems for one or two person households is less cost effective. However, customers may choose to proceed for other environmental and social benefits of using solar energy.