

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

January, 2011



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: \$3.00 per AC 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 by 2016)

### Example: For a 3,000 watt system

This system can produce up to 3,500 kWh/yr with minimal shading from obstructions.

<b>Standard*</b>		<b>Custom*</b>
<b>\$17,500</b>	Estimated installed cost (systems typically range from \$17,500-\$19,000)	<b>\$19,000</b>
<b><u>-\$5,377</u></b>	EWEB Incentive @ \$2.00/Watt AC**	<b><u>-\$5,377</u></b>
<b>\$12,123</b>	<b>Amount homeowner pays to contractor for system</b>	<b>\$13,623</b>
<b><u>-\$3,656</u></b>	Federal Tax Credit, after utility incentive (carried until 2016)	<b><u>-\$4,087</u></b>
<b><u>-\$6,000</u></b>	State Tax Credit (\$3.00 Watt AC)	<b><u>-\$6,000</u></b>
<b>\$2,467</b>	<b>Final Net Cost to Homeowner</b>	<b>\$3,536</b>

\*Standard and Custom systems differ by level of required complexity, location and size.

\*\*EWEB's incentive is based on "AC" watts that "de-rates" the system for loss due to conversion from DC to AC

Ability to take advantage of tax credits assumes tax liability.

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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 2-3 people or (2) 4' X 8' collectors for households with 4-6 people. Incentives are based on kilowatt hours (kWh) saved annually.

### EWEB Incentives:

- \$500 for approved systems
- 75% of cost after incentive @ 0% interest paid over 5 years

### 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 by 2016)

### Example: (for a 2-3 person household)

Standard*	(1) 4' X 10' collector system	Custom*
\$6,600	Total installed cost	\$7,700
<u>-\$500</u>	EWEB Incentive	<u>-\$500</u>
\$6,100	Amount homeowner pays to contractor	\$7,200
<u>-\$1,320</u>	State Tax Credit**	<u>-\$1,320</u>
<u>-\$1,830</u>	Federal Tax Credit**	<u>-\$2,160</u>
\$2,950	Final Net Cost to Consumer	\$3,720

\*Standard and Custom systems differ by level of required complexity, location and size.

\*\*Available tax credits assumes tax liability.

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.