

# Pacific Energy Solutions

## PV Payback Example

**Example 1 – Customer purchases a Panels Only system (CGS+)**  
**PV System – 20 Hanwha Qcell 400 watt panels / 20 Ephase Micro-Inverters 8Kw DC**

<div>Total Price Includes Tax</div> <div>\$29,332</div>	<div>Approx. Panel Output Daily</div> <div>30</div> <div>kwh's</div>
<div>Federal Tax Credit (30%)</div> <div>\$8,799</div>	<div>(x 30) Monthly</div> <div>900</div> <div>kwh's</div>
<div>State Tax Credit (35%)</div> <div>\$8,850</div>	
<div>Net Cost</div> <div>\$11,683</div>	
<div>Net Cost</div> <div>\$11,683</div>	<div>Monthly Daytime Usage</div> <div>900</div> <div>Kwh's</div>
<div>÷ Annual Savings</div> <div>\$5,400</div>	<div>x 50 cents per kwh</div> <div>\$450</div> <div>saved monthly</div>
<div>Avg. Payback Period in years</div> <div>2.2</div>	
<div>Your new solar PV system pays for itself in only</div> <div>2.2 years!</div>	<div>Combined Monthly Savings</div> <div>\$450</div>
<div>HELCO has been approved by the PUC to increase their rates over the next 10 years so your payback will be even faster!</div>	<div>x 12 months</div> <div>\$5,400</div> <div>saved annually</div>
	<div>Approx. HELCO bill after installation</div> <div>\$</div> <div>(Plus HELCO connection fee)</div> <div>↑</div>
	<div>Any remaining electric consumption over the production of your solar panels.</div>

These are only estimates. They could change due to numerous factors such as rate increases, customer usage changes, and/or weather, etc.

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## PV Payback

**Example 3 – Customer has a PV system and is adding panels & batteries (NEMplus)**  
**PV System – 10 Qcell 400 watt panels / 10 Enphase Micro-Inverters**  
**1 Franklin Whole Home 13.6 Kwh battery**

Total Price Includes Tax	<u>\$32,360</u>	Approx. Panel Output Daily	<u>15</u>	kwh's
Federal Tax Credit (30%)	<u>\$9,708</u>	(x 30) Monthly	<u>450</u>	kwh's
State Tax Credit (35%)	<u>\$5,000</u>	Approx. Battery Output Nightly	<u>13.6</u>	kwh's
Net Cost	<u>\$17,652</u>	(x30) Monthly	<u>408</u>	kwh's
Net Cost	<u>\$17,652</u>	Monthly Daytime Usage	<u>42</u>	Kwh's
÷ Annual Savings	<u>\$2,700</u>	x 50 cents per kwh	<u>\$21</u>	saved monthly
Avg. Payback Period in years	<u>6.5</u>	Monthly Nighttime Battery Usage	<u>408</u>	kwh's
<b>Your new solar PV system with batteries pays for itself in only <u>6.5</u> years!</b>		x 50 cents per kwh	<u>\$204</u>	saved monthly
		Combined Monthly Savings	<u>\$225</u>	
		x 12 months	<u>\$2,700</u>	saved annually
<b>HELCO has been approved by the PUC to increase their rates over the next 10 years so your payback will be even faster!</b>		Approx. HELCO bill after installation	<u>\$</u>	
		(Plus HELCO connection fee)	<u>↑</u>	
		<b>Any remaining electric consumption over the production of your solar panels.</b>		

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## PV Payback

**Example 2 – Customer purchases a Panels Plus Batteries system (CGS+)**  
**PV System – 20 Qcell 400 watt panels / 20 Enphase Micro-Inverters**  
**1 Franklin Whole Home 13.6 Kwh battery**

Total Price Includes Tax	<u>\$42,291</u>	Approx. Panel Output Daily	<u>30</u>	kwh's
Federal Tax Credit (30%)	<u>\$12,687</u>	(x 30) Monthly	<u>900</u>	kwh's
State Tax Credit (35%)	<u>\$10,000</u>	Approx. Battery Output Nightly	<u>13.6</u>	kwh's
Net Cost	<u>\$19,604</u>	(x30) Monthly	<u>408</u>	kwh's
Net Cost	<u>\$19,604</u>	Monthly Daytime Usage	<u>492</u>	Kwh's
÷ Annual Savings	<u>\$5,400</u>	x 50 cents per kwh	<u>\$246</u>	saved monthly
Avg. Payback Period in years	<u>3.6</u>	Monthly Nighttime Battery Usage	<u>408</u>	kwh's
<b>Your new solar PV system with batteries pays for itself in only <u>3.6</u> years!</b>		x 50 cents per kwh	<u>\$204</u>	saved monthly
		Combined Monthly Savings	<u>\$450</u>	
		x 12 months	<u>\$5,400</u>	saved annually
<b>HELCO has been approved by the PUC to increase their rates over the next 10 years so your payback will be even faster!</b>		Approx. HELCO bill after installation	\$ <u>          </u>	
		(Plus HELCO connection fee)	↑	
		<b>Any remaining electric consumption over the production of your solar panels.</b>		

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