Table of Contents

1. About Pacific Power Renewables
2. How Does Solar Work
3. Design & Engineering
4. Economics
5. Operation & Maintenance
6. Portfolio
Pacific Power Renewables develops, owns and operates large-scale solar photovoltaic ("PV") systems for industrial and commercial facilities as well as government and utility clients. Flyers Energy invest in our solar projects.

Typical installation sites include retail and manufacturing facilities, distribution centers, corporate offices and agricultural facilities.

Pacific Power Renewables business model allows its customers to capture the benefits of owning a solar power system – inexpensive and predictable rates as well as the publicity of supporting the renewable energy industry – without the financial risk of owning or leasing a solar PV system.

Sister company to PPR
Finances PPAs
Alternative energy solutions
Revenues in excess of $2 billion
How Solar Works

1. Sunlight falls on high capacity solar panels during daylight hours. The solar panels convert the sun’s energy into Direct Current (DC) electricity which is sent to an inverter.

2. Excess power is sent to the utility company.

3. When the solar energy system produces more electricity than needed during peak sun hours, excess electricity is automatically sent to the utility company and the electric meter actually runs backwards!

4. Solar energy systems produce very high quality electricity that reduces the chance of power fluctuations that could damage electronic equipment.

5. Utility power is continuously provided at night and during the day when demand exceeds solar production.
Design & Engineering for Solar
4 Types of Installation-Fixed-Roof, Fixed Ground, Carports, and Single-Axis Tracker

Design and construct customized racking to maximize output, efficiency and longevity

SunViper single axis ground mount tracking systems are 30% more efficient than fixed systems.
Design & Engineering

Roof Mount

Carports

Fixed Ground Mount

Ground Mount Tracker
PVSyst is a photovoltaic software tool which is used to assist with solar system design, as well as provide estimated energy output of the system.

The program utilizes historical data from weather stations all over the world in conjunction with the unique design of your system to calculate how much energy your system will produce.

Components taken into consideration for sizing a system

- Inverter Type
- Module Type
- Shade Analysis
- Performance Modeling
Financing Solar Projects
How to be eligible for Solar

✓ Own building/land or tenants with long term lease

✓ Space available for modules (Roof, Land, Parking area)

✓ Solar friendly utility tariff

✓ Appropriate load profile

✓ Ability to take advantage of net metering
Finance Options

Direct Sale/Lease

Beneficial to own when tax benefits can be realized

Power Purchase Agreement (PPA)

Zero upfront costs

Zero maintenance costs

Buy only power generated

Long term contract

- Generates clean solar power

Utility

- Purchases Power From PPR
- Sells Power to Rate Payers

- Purchase Power from Utility
- Benefit from Reduced Costs

Solar site

Rate Payers
Operation & Maintenance
PPR uses proprietary monitoring, SolarWatch™, which is designed for billing complex Time of Use rates for large customers.

SolarWatch™ is web-accessible and delivers extensive diagnostic tools to the performance group.

O&M Inspections include, but not limited to:

- Pacific Power Renewables (PPR) washes and maintains the power plants twice a year for optimal performance.
- Check & Tighten connections
- Clean filter
- Test voltage
- Check & replace fuses
- Minimum maintenance required
Solar Energy Benefits

Environmental Benefits

• Reduces CO2 Emissions

• Cleaner Air

• Calculated Benefits of (1) 5 MW solar farm:

<table>
<thead>
<tr>
<th>Description of Savings</th>
<th>Quantification of Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar Array Output</td>
<td>10,000,000 kWh</td>
</tr>
<tr>
<td>Solar Array - CO2 Offsets</td>
<td>6700.00 Tons of Carbon Annually</td>
</tr>
<tr>
<td>Solar Array - CO2 Offsets</td>
<td>13,400,000 Pounds of Carbon Annually Eliminated</td>
</tr>
<tr>
<td>Solar Array - Cars off the Road</td>
<td>812 Cars Taken off the Road For One Year</td>
</tr>
<tr>
<td>Solar Array - Gasoline Equivalent</td>
<td>690,722 Gallons of Gas</td>
</tr>
<tr>
<td>Solar Array - Tree Equivalent</td>
<td>200,000 Trees Cleansing the Air For One Year</td>
</tr>
<tr>
<td>Solar Array - Tree Planting Equivalent</td>
<td>5,000 Trees Planted for Life of Tree</td>
</tr>
<tr>
<td>Solar Array - Average Homes Powered</td>
<td>1,123.60 Homes Powered for One Year</td>
</tr>
<tr>
<td>Solar Array - Average Lightbulbs Powered</td>
<td>85616.44 Light bulbs Powered for One Year</td>
</tr>
</tbody>
</table>
Bar ALE Site Layout

277 kW DC

Installation Type: Ground Mount Tracker

Williams, CA

Utility-PG&E

Power Purchase Agreement

No upfront costs to owner

Currently under construction

Potential savings over 20 years $1.3 million
Completed Power Plants

Mary Ave WWTP—985 kW
Olivehurst, California
July 2012

Vie Del Winery—1,146 kW
Fresno, California
December 2011

Mater Dei High School—535 kW
Santa Ana, California
November 2012

Aerospace Museum—177 kW
McClellan, California
Feb 2012

City of Auburn WWTP—689 kW
Auburn, California
December 2010

BioReal—568 kW
Maui, Hawaii
August 2012
Completed Power Plants

Earhart Building – 244 kW
Auburn, California
March 2005

Port of Sacramento – 636 kW
West Sacramento, California
March 2009

Sunset Moulding – 562 kW
Chico, California
May 2010

Sierra Aluminum – 807 kW
Fontana, California
March 2009

Far West Rice Mill – 979 kW
Nelson, California
June 2008

YOUR COMPANY’S NAME HERE!
A 21st Century Solar Utility Company