


### USES

- ◆ Monitor power, energy, status
- ◆ Verify revenue payments, calculate payback
- ◆ Receive maintenance alarms & status by email
- ◆ See energy equivalents, trends, site photos
- ◆ Learn about solar energy, share results
- ◆ Web access, no software to install

### APPLICATIONS

- ◆ Manage solar PV distributed generation sites
- ◆ Conservation - reduce carbon footprint
- ◆ Billing for PPA (power purchase agreements)
- ◆ ROI analysis with payback calculator
- ◆ Public relations, website & lobby displays
- ◆ Performance analysis - maximize output

#### LOCAL SITE



**Solar Array**

**Browser Access**

**Sell kWh Meter**

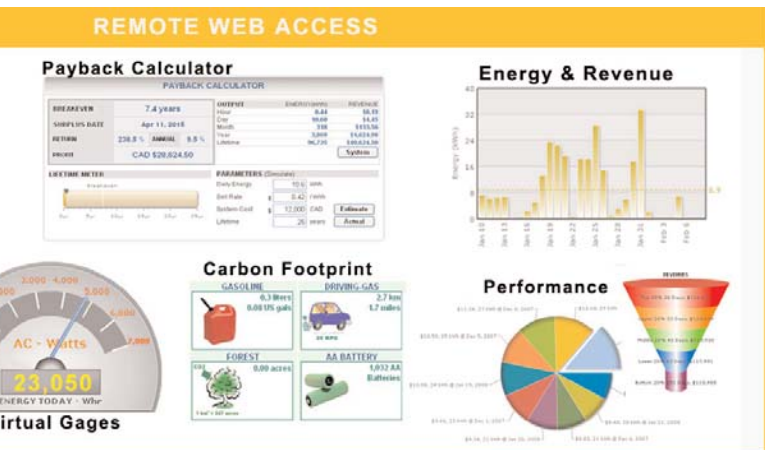
**Kyoto 135 Gateway/Logger**

**Email Reports & Alarms**

**Virtual Gages**

AC - Watts  
23,050  
ENERGY TODAY - Whr

#### REMOTE WEB ACCESS



**Payback Calculator**

**Energy & Revenue**

**Carbon Footprint**

**Performance**

### Why SolarVu

Add the SolarVu web monitoring system to your solar PV installation and get detailed information that a simple kWh meter cannot provide. SolarVu builds a lifetime database of the solar array performance then uses simple graphics to display live power, energy, status and trends. Receive a daily email report of revenues earned from your solar generation system. Check your carbon footprint reduction and learn about energy equivalents. Use the greenenergy meter to find the % of total energy used offset by green sources. Get an alarm message if problems occur to speed up troubleshooting using detailed inverter measurements. Calculate expected ROI with the payback calculator before installation then compare to actual results after startup.

### Isn't a kWh Meter Enough?

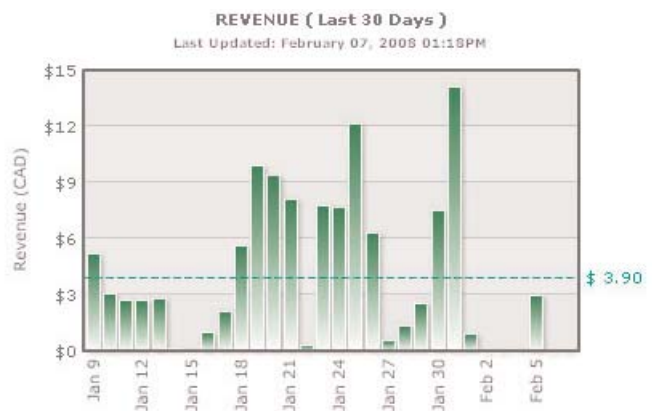
A solar PV generating system is a big investment with a typical 25 year life. Unless you regularly read the energy meter and manually plot the output, it will be difficult to determine how well the system is working. If a problem occurs, the first indication may be a low utility payment, months later. By communicating daily through your computer or mobile device, you will always know how your system is performing. Get a good understanding of solar energy while ensuring maximum return on your IPP (independent power producer) investment.

### Installing SolarVu

A Kyoto 135 data logger which connects to the inverter and the internet is installed at the site. Data is continuously sent to the remote SolarVu servers which build a lifetime database of the installation. A unique web address is provided for each site. Access is from a PC browser or mobile device. No software is required. Connection to the SolarVu web portal is free with initial purchase of the K135 data logger.

### Check Revenues Every Day

Receive an email of your daily, weekly and lifetime revenues each evening. Visit the website any time for detailed analysis of performance or if something does not appear right.



## Easy to Use

Access your solar PV distributed generation system from a desktop computer using dynamic graphs and gages to view current status or trends over any time period. See live outputs, analyze performance, verify utility payments, determine energy offset by green sources, troubleshoot problems and calculate return on investment.

Unique web address → [www.yoursite.solarvu.net](http://www.yoursite.solarvu.net)

Website or lobby display → **Lions Gate**

Custom banner → **SolarVu™**

Dealer link for support → **SITE LIVE ANALYZER SETUP SUPPORT HOME**

Status & trends → **LIONS GATE - Calgary, AB**

Power now → **AC - Watts** (Gauge: 23,050)

Energy today → **ENERGY TODAY - Whr** (Gauge: 23,050)

Revenue today → **REVENUE TODAY \$9.68 CAD**

Lifetime energy & revenue → **LIFETIME ENERGY 6509 kWh**  
**TOTAL REVENUE \$2,733.78 CAD**

Voice messages status & alarms → **SYSTEM OK Listen**

Trends of revenue & energy → **REVENUE (Last 30 Days)** (Bar chart)

Select any time period → **12M YTD 30D 7D 3D 24H**

Energy & revenue → **REVENUE CAD \$117.15**  
**ENERGY 278.9 kWh**

Carbon Footprint → **SAVED 28.8 Liters Of Gasoline**

Payback Calculator for ROI analysis → **PAYBACK CALCULATOR**

Breakeven time → **BREAKEVEN 13.3 years**

Total returns → **RETURN 88.1% ANNUAL 3.5%**  
**PROFIT CAD \$52,876.66**

Lifetime remaining → **LIFETIME METER** (Progress bar)

Use measured or simulated values → **PARAMETERS (Actual)**  
Daily Energy: 29.5 kWh  
Sell Rate: \$ 0.42 / kWh  
System Cost: \$ 60,000 CAD  
Lifetime: 25 years

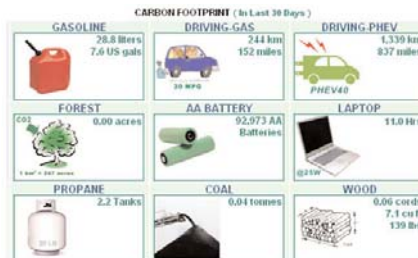
Actual & projected revenues → **OUTPUT** table:

|          | ENERGY(kWh) | REVENUE      |
|----------|-------------|--------------|
| Hour     | 1.23        | \$0.52       |
| Day      | 29.45       | \$12.37      |
| Month    | 884         | \$371.16     |
| Year     | 10,750      | \$4,515.07   |
| Lifetime | 268,754     | \$112,876.66 |

Communicate corporate values with a lobby slideshow in site view



See the carbon footprint savings in energy equivalents



Monitor inverter readings on mobile devices for troubleshooting



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Ask your dealer to install SolarVu  
See SolarVu live at [cachelan.com](http://cachelan.com)