

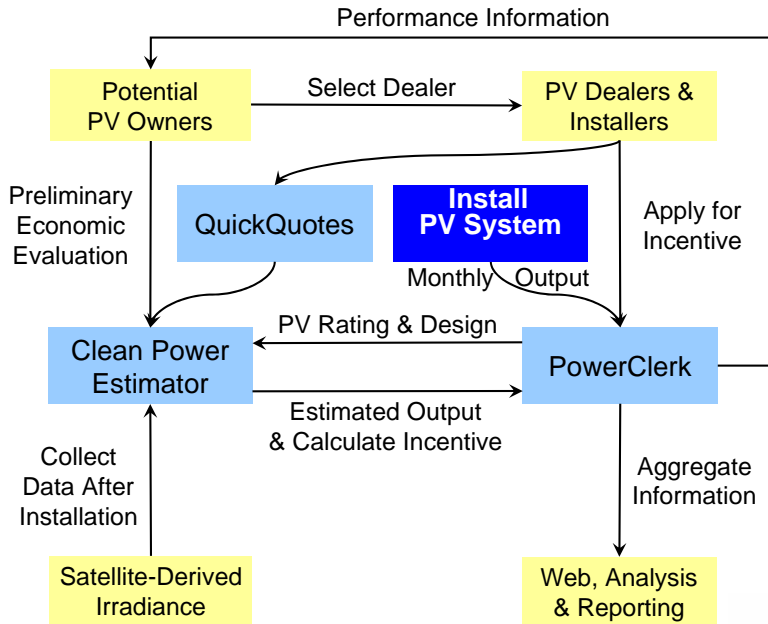


QuickQuotes Sells PV with Efficiency

PowerClerk Enables Your Business To Operate Efficiently

Thomas E. Hoff
Clean Power Research
tomhoff@clean-power.com
www.clean-power.com

August 25, 2006

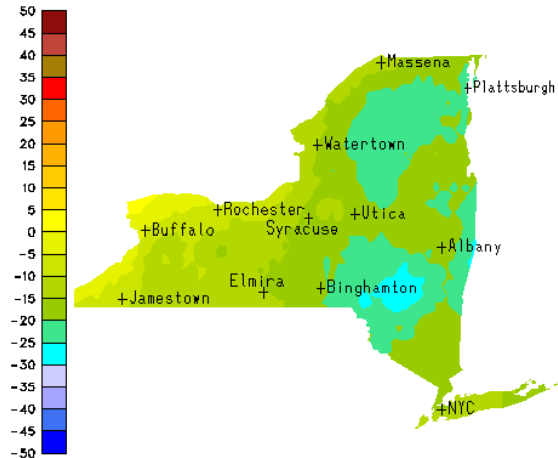


Satellite-Derived Irradiance

Solar Information Resource Service (SIRS) New York State
Global Irradiance - Long Term % Difference

June 2006

(% Difference)



PowerClerk® Provides...

	<i>Administrators</i>	<i>Dealers/Installers</i>	<i>Manufacturers</i>	<i>Consumers</i>	<i>Government</i>
Internet-Based Administration	✓	✓			
Time-Saving Processing	✓	✓		✓	
Transparent Real-Time Analysis	✓	✓	✓	✓	✓
Cross Program Unity	✓		✓		✓
Performance Monitoring Integration	✓	✓	✓	✓	✓

Simple Step by Step Application Entry

New Rebate Application

INSTALLER
SELECTION

CUSTOMER
CONTACTS

CUSTOMER
ADDRESSES

CUSTOMER
SITE INFO

PROJECT
COMPONENTS

INCENTIVE
CALCULATION

PAPERWORK
RECORD

APPLICATION
REVIEW

- Steps can be performed in any order
- Information is saved at every step
- Leave the form at any point and come back to it later
- Incomplete applications are stored until submitted or deleted

More flexibility than paper-based forms

Applications **Companies** Reports PowerView Administration

[Sign Out](#)

New Rebate Application

INSTALLER SELECTION **CUSTOMER CONTACTS** CUSTOMER ADDRESSES CUSTOMER SITE INFO PROJECT COMPONENTS INCENTIVE CALCULATION PAPERWORK RECORD APPLICATION REVIEW

Jane Doe 707-224-9992 W

First Name: Last Name:

Company Name:

Title:

Notes:

[Add Another Contact](#)

Phone Numbers

Business: 707-224-9992

Home: 707-555-1212

Mobile: 707-123-4567

Mobile: - - ext. Main Contact Number

[Add Another Phone/Fax Number](#)

Email Addresses

Work: jane@janescompany.com

Home: jane@janedoe.org

Home: Main Email Address

[Add Another Email Address](#)

- Each application can have multiple customer contacts and addresses
- Each contact can have multiple phone numbers and email addresses

Sophisticated tracking of project components & costs

Photovoltaic (PV) Application

INSTALLER SELECTION CUSTOMER CONTACTS CUSTOMER ADDRESSES CUSTOMER RECEIPT INFO **PROJECT COMPONENTS** INCENTIVE CALCULATION APPLICATION CHECKLIST APPLICATION REVIEW

System Rating: 14.16 kW DC-STC / 11.30 kW AC-PTC / 11.37 kW AC

<input checked="" type="checkbox"/>	1 Inverter - SMA America 5.2 kW (Model SB6000U (200V))	\$4,500.00
<input checked="" type="checkbox"/>	1 Inverter - Xantrex 10.0 kW (Model PV10-20B)	\$3,980.00
<input checked="" type="checkbox"/>	18 PV Module - BP Solar 240 Watt (Model MSX-240)	\$21,160.00
<input checked="" type="checkbox"/>	48 PV Module - Sharp 205W (Model ND-205U1)	\$49,104.00
<input checked="" type="checkbox"/>	1 Other - Installation Balance of System	\$18,922.00
<input checked="" type="checkbox"/>	1 Other - Installation Inspection Cost	\$750.00
<input checked="" type="checkbox"/>	1 Other - Other Sales Tax	\$2,100.00
Total Cost:		\$100,532.00

[Add Another Component](#) Other System Losses: %

Component Type: PV Module Manufacturer: BP Solar Model: 240 Watt (Model MSX-240)

EEC Component Ratings as of 8/3/2008
Nameplate: 240.0 Watts PTC Rating: 209.5 Watts

PV Installation
PV Azimuth: -30° PV tilt: 35° Show Roof Pitch

Solar Obstruction (Shading) Angles
West: 88° 88° 88° South: 38° 38° 38° East: 7° 7° 7°
7° 3° 3° 12° 8° 8° 8° 5° 5° 1° 1°

Quantity: 18 Unit Cost: \$1,176.00 Total Cost: \$21,168.00

Notes

<< Back Next >>

- CEC approved equipment lists and power ratings
- Optionally restrict equipment available for your program
- Supports multiple PV arrays with different orientations and shading
- Automatic cost, rating and estimated power output calculations

Automatic Incentive Calculation

Photovoltaic (PV) Application

INSTALLER SELECTION CUSTOMER CONTACTS CUSTOMER ADDRESSES CUSTOMER ACCT. INFO PROJECT COMPONENTS **INCENTIVE CALCULATION** APPLICATION CHECKLIST APPLICATION REVIEW

System Specs	
System Rating (kW DC-STC)	14.16 kW DC-STC
Module Losses	12.2%
Inverter Losses	0.5%
Other Losses	18.0%
DC to AC Derate Factor	72.3%
System Rating (kW AC for entire system)	10.24 kW AC
Estimated Power Production (Actual System)	20901 kWh Annually
Estimated Power Production (Optimal System)	21238 kWh Annually
Design Factor (Actual System Output / Optimal System Output)	98.0%
Annual Power Consumption	9877 kWh/Year
Percentage of Current Demand Met by System	212.4%

Incentive:

Total System Cost: **\$190,532.00**

Reserved EPFB Amount: **\$32,852.94**

Override Calculated EPFB Amount

- Supports multiple incentive structures
- System summary shows ratings, losses and estimated performance
- Customized incentive calculation supports broad range of incentive models
- Calculated incentive amount can be overridden by agency personnel

Printable application for actual signatures

06/03/2006: Estimate of Annual Output
06/03/2006: Site Map
06/03/2006: One-line Electrical Drawing
06/03/2006: Cut Sheets for all Major Components
06/03/2006: System Installation Manual
06/03/2006: Homeowner Operation and Maintenance Instructions
06/03/2006: Shading Analysis Results
06/03/2006: Signed Installer-Customer Purchase Agreement
06/03/2006: Proof of System Benefit Charge Payment

System Performance

Estimated Power Production (Actual System):	6448 kWh Annually
Estimated Power Production (Optimal System):	6545 kWh Annually
Design Factor (Actual System Output / Optimal System Output):	98.5%

Date Measured	Total kWh Prod.	Change in kWh Prod.	Notes
---------------	-----------------	---------------------	-------

I certify that I am, or I am authorized to act on behalf of the Applicant, and I certify that all information provided in this application, including any attachments, is true and correct to the best of my knowledge. I have reviewed the eligibility criteria and I understand that I will be required to provide additional information to NYSERDA and to verify individual PV system eligibility. I have read and understand the above Terms and Conditions which are part of this application and agree on behalf of the Applicant to abide by them.

Installer Signature: _____ Date: _____

Customer Signature: _____ Date: _____

As part of the qualifications for a rebate:

- Print this page, sign it and date it. Complete installer application forms must be clearly labeled, contain all required information, have original signatures, and be mailed to:

New York State Energy Research and Development Authority
180 P.O. Box 716 Install App.
17 Columbia Circle
Albany, NY 12201-0399

- Envelopes must be addressed as indicated above or processing may be delayed. Installers may direct any questions to 1-866-NYSERDA, 518-862-1888 or info@nyserd.org. Please indicate that you are calling in reference to PDR 716. Faxed or e-mailed applications will not.

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Print

Submit Application

- Complete application review lists customers, addresses, equipment, paperwork and estimated performance
- Customized customer agreement and signature panel lists terms and conditions
- Dealers and installers can fill out and submit applications electronically

Dealer/Installer Application Submission

Applications Administration

New Incentive Application [Sign Out](#)

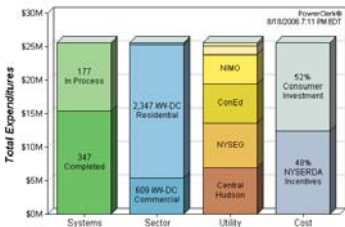
Application #	Installer	Customer	Status	Status Date
X	Erik Phomsoukha	John Doe	Incomplete	06/03/2006
02012-001	Erik Phomsoukha	Charleen Swimm	Completed	04/30/2004
02012-002	Erik Phomsoukha	Njohani Rheinhardt	Completed	01/08/2004
02012-003	Erik Phomsoukha	Lesa Teti	Completed	04/16/2004
02012-004	Erik Phomsoukha	Marcelo Slatten	Completed	06/09/2004
02012-005	Erik Phomsoukha	Zana Brewton, Zula Thurlow	Completed	05/14/2004
02012-006	Erik Phomsoukha	Ray Ruky	Completed	06/14/2004
02012-007	Erik Phomsoukha	Tracee Gerfin, Mardell Jackson	Revoked	11/01/2005
02012-008	Erik Phomsoukha	Mika Lippy, Jed Mesler	Completed	12/16/2004
02012-009	Erik Phomsoukha	Soo Lovejoy	Completed	11/09/2004
02012-010	Erik Phomsoukha	Giovanna Hunnell	Completed	04/25/2005
02012-011	Erik Phomsoukha	Rudolf Marinaccio	Approved	07/13/2004
02012-012	Erik Phomsoukha	Steve Depetro	Approved	07/13/2004
02012-013	Erik Phomsoukha	Pablo Ye, Beatrice Hoague	Completed	09/27/2005
02012-014	Erik Phomsoukha	Tower of Winds	Completed	12/14/2004
02012-015	Erik Phomsoukha	Billy Bob's Solar	Denied	03/04/2005
02012-017	Erik Phomsoukha	Shri Warehime	Completed	03/21/2006
02012-018	Erik Phomsoukha	Ollie Sodano	Completed	06/22/2005
02012-019	Erik Phomsoukha	Illuminada Hutching	Completed	09/27/2005
02012-020	Erik Phomsoukha	Tracee Hilcock	Revoked	04/07/2006

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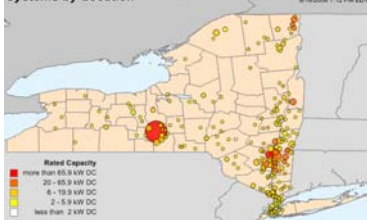
- Dealers can log in to track application status online
- Online access reduces or eliminates calls to agency personnel
- Role-based security model prevents editing of submitted applications and access to other dealers' applications

Web Analysis & Reporting

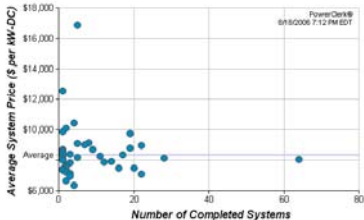
Program Summary



Systems by Location



Price Versus Completed Systems by Installer



- Automatically publish publicly available program reports on the web
- Rapid comparison of program results
- Valuable information for industry
- Real-time reporting