What is NYSERDA?

A public benefit corporation established in 1975 to help New York State meet its energy goals:

– Reducing energy consumption
– Promoting the use of renewable energy sources
– Protecting the environment
NYSERDA’s Range Involving PV

Research & Development:
- New & Improved PV Panels
- Reduced Costs of Balance of System
- Advanced Manufacturing Techniques

Workforce Development:
- Training Programs for PV installers

Deployment of PV Systems (Incentives):
- Smaller Systems for Customer Needs
- Larger Systems for Customer Needs
- Utility-scale Systems for Export
Goal #1: Double during 2012 the customer-sited PV capacity that was installed during baseline year (calendar year 2011), and Quadrupled during 2013

Goal #2: Technology advancement and system cost reduction regarding PV balance-of-system (BOS) costs in New York

Approaches:

- Deployment Incentive Programs:
  - NYSERDA Standard Offer PV Program (less than or equal to 50 kW)
  - NYSERDA Competitive PV Program (greater than 50 kW)
  - LIPA Solar Pioneer (homeowner) & Solar Entrepreneur (business - up to 50 kW)
- Research & Development collaborations on BOS cost reductions
- Workforce Development efforts for training of Installers
Source of Funds

Renewable Portfolio Standard:

• The NYS Public Service Commission instructed the investor-owned utilities to collect a surcharge from customers

• NYSERDA is named as administrator of this pool of funds by the Public Service Commission

• This is a “centralized procurement” model, operated by a Program Administrator that is a governmental entity (not a utility)

• Over $100 million per year available as incentives specifically for customers to install Solar PV Systems

• Intent is to increase market penetration of commercially available technologies in New York
Program Opportunity Notice (PON)

Open Enrollment (non-competitive) “Applications”
- First-come/first-served rolling admission
- For Smaller Systems installed by a company on the “Eligible List”
- Standard offer incentives

Competitive Solicitation “Proposals”
- Specific due dates
- For Larger Systems installed by teams that pass the “merit review”
- Pass/Fail Qualifications Review by Technical Evaluation Panel, then Reverse-auction sealed bid (selection of lowest requested prices)
Smaller Systems

- The PV Standard Offer Program (PON 2112) has a monthly incentive budget of $3.5 million Through 2012.

- Incentives are for the installation of new grid-connected solar photovoltaic (PV) systems.

- The Program is offered through an open enrollment solicitation and includes the following elements:
  
a. The incentive level for all systems is $1.50 per watt (subject to change depending upon program demand).

b. The caps are:
   - 7 kW for residential
   - 50 kW for commercial/Non-Profit
Market Based Incentives

• The incentive is currently set at $1.50/Watt DC

• Not to exceed available funding for two consecutive months, or the incentive will be automatically reduced

• Funds not used roll over to the next month
Streamlined Application Process

• All applications submitted electronically
• PowerClerk data base linked to NYSERDA accounting system – Real time access for installers on status of applications and payments
• Parallel path Design Review & Funding
• E-mail communications from PowerClerk
• Electronic payments / direct deposit
Program Status Charts

Smaller Systems

PON 2112 - Yr to Date MW's installed

Month

MW's

- MW's Installed by Month
- Cumulative

Goal for 2012: 35.9 MW's
Large “Customer” PV Systems

- Cash incentives for the installation of new grid-connected Solar Electric Photovoltaic (PV) systems chosen through competition based on low bid price
- Incentives are paid based on actual measured performance over a 3-year run period, plus some upfront cash-flow
- Bonus payments (not to exceed $3 million cap) for systems installed within “Strategic Locations”
- Incentive Pool has $107 million through the end of 2013 ($70 more million in 2014, and $70 million more in 2015)
- Rapid Progress: Maximum 8 months from “Award Notification” to “Fully Operational”
Large “Customer” PV Systems

• Three (3) due dates -- Proposals Due:
  Maximum $3 million per project Maximum $6 million per Team per Due Date

• Competitive Selection:
  ▪ Step 1: Review for Administrative Completeness
  ▪ Step 2: “Short-list” based on passing the “merit review”
  ▪ Step 3: “Selection” based on Bid Price (i.e., incentive being requested)

• PV system size:
  ▪ Minimum = 50 kW
  ▪ Maximum = annual production (kWh) does not materially exceed need of site

• Eligible sites:
  ▪ Connected to Electric Grid and pay RPS Surcharge
  ▪ In NYISO zones A through J (i.e., throughout NYS, except Long Island)

• NYSERDA will host several Bidder Teleconferences “Connection” events
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