



**PSE&G's Solar 4 All™ Program:
Pole-Attached Solar Installations
in Your Area**

**December 22, 2009
January 12, 2010**

Welcome and Ground Rules

- Host introductions
- Please mute your phones
- Please do NOT put your phone “on hold”
- Questions will be answered at the end of each segment of our presentation
- The best way to ask your question is to use the “raise hand” button for those of you logged in
- Feel free to use the “chat with presenter” option on your screen at anytime

Today's Agenda

- PSEG Vision
- NJ Energy Master Plan
- PSEG's Environmental Initiatives
- Solar Basics
- PSE&G's Solar 4 All™ Program and Benefits
- What the Solar Units Look Like
- Location of Solar Unit Installations
- Selection of Pole Sites
- Safety Information
- Who Is Assembling and Installing the Solar Units?
- Notification of Installation Work
- Contact Information
- Questions?



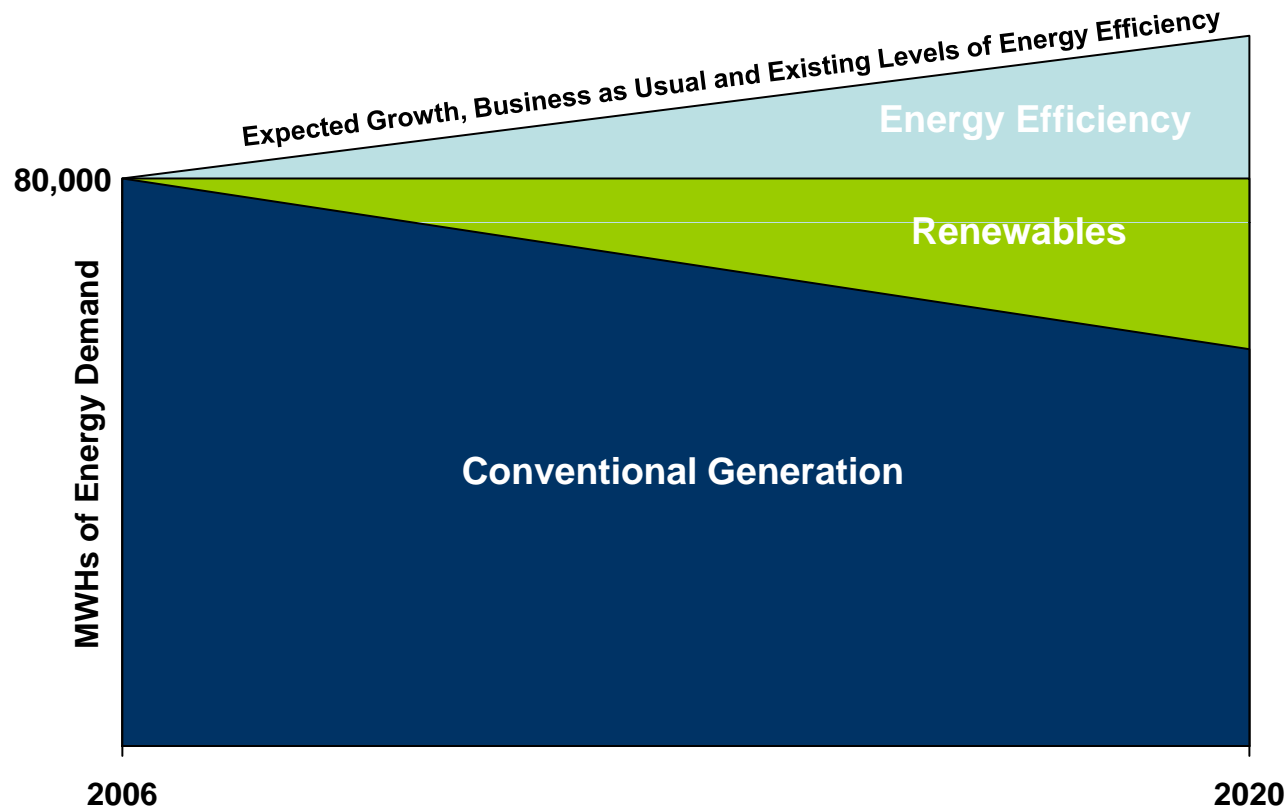
***PSEG Vision:
Being a recognized leader for:***

People providing
Safe, reliable
Economic and
Green

Energy

**PSE&G encourages the development and
installation of clean, renewable energy
technologies throughout NJ**

NJ Energy Master Plan Goal: Meet 30% of State's electricity needs with renewable energy sources by 2020 (2.12% must be solar)



PSEG's Environmental Initiatives

The Solar 4 All™ program is one of several PSEG environmental initiatives:

- **PSE&G Solar Loan Program** -- PSE&G is offering \$248 million in loans to help expedite and finance the installation of 81 megawatts of solar power on homes, businesses and municipal buildings throughout its electric service area
- **PSE&G Energy Efficiency programs** -- PSE&G is investing more than \$240 million to provide energy audits for homes, small businesses and hospitals, and install insulation, programmable thermostats and efficient lighting
 - Direct Install Program for Small Business, Government, and Non-Profit facilities
 - Hospital Efficiency Program
- **PSE&G installation of high-efficiency street lighting** -- PSE&G is investing \$50 million to replace mercury vapor municipal street lighting with more efficient induction fluorescent lighting that will provide immediate cost savings to municipalities and reduce energy consumption

Solar Basics



- One of the **cleanest, greenest, and quietest** electric technologies available today
- A **proven** technology
- Solar systems **convert light directly into electricity** using semiconductor technology

PSE&G's Solar 4 All™ Program

- Approved July 29, 2009 by the NJ BPU to bring the benefits of clean, renewable energy to all customers in our state
- PSE&G to install, own, and operate 80 MW of solar generating systems in the next four to five years
- Project includes largest pole-attached solar installation in the world (40 MW)

Solar 4 All™ Program

80 MW solar generation capacity

Pole-attached Solar (40 MW)

- 200,000 utility poles
- About 200 watts/panel
- Connected directly into PSE&G's distribution system
- Power sold into PJM wholesale grid
- Solar developer awarded this contract is Petra Solar, a NJ-based company
- Installed by PSE&G crews and contractors

Centralized Solar (40 MW)

- 25 MW at PSE&G-owned sites
- 15 MW of solar systems at third-party sites
 - 10 MW any third-party
 - 5 MW UEZ site
- Solar developers have already submitted proposals for these sites and some projects are underway

PSE&G's Solar 4 All™ Program Benefits

\$515 million Solar 4 All™ investment will:

- Nearly double the size of New Jersey's solar capacity
- Create green jobs for people who are needed to assemble and install the units
- Result in New Jersey having more installed solar capacity than any state except California

What the Solar Units Look Like



- Solar units are 5 feet wide by 2.5 feet high and weigh about 60 pounds
- Units are safely attached to the pole about 15 – 18 feet from the ground

Location of Solar Unit Installations



- **Solar units will be installed on 200,000 utility poles in PSE&G's service territory.**
 - Includes state's six largest cities and roughly 300 rural and suburban communities
 - In residential neighborhoods, as well as on poles and aluminum street lights along main streets near area businesses.

Selection of Pole Sites

- **PSE&G selects poles that:**
 - Can support the solar units
 - Have an unobstructed view of southern sky
 - Have no more than one transformer already on the pole
 - Poles can have cable, but no junction boxes

Safety Information

- **Solar panels are safe:**
 - Same panels that are mounted on homes, schools and other buildings
 - Mounted at or above 15 feet to avoid damage from traffic
 - Tested to withstand 90 mph wind load
 - Durable/shatterproof
 - Low voltage (120 volts) and designed not to provide back feed
- Additional safety information is available upon request

For emergencies, call 1-800-436-PSEG (7734)

Who Is Assembling and Installing the Solar Units?

- **PSE&G will use several contractors to install the units on available poles over the course of the solar project**
- **The Solar 4 All™ program will create green jobs:**
 - About 100 people will be needed to install the units over the next few years
 - Another 100 will be employed by Petra Solar, a South Plainfield company that will assemble the units for PSE&G right here in New Jersey

Notification of Installation Work



- **A PSE&G customer representative will notify municipal officials when installations are to begin in their towns**
 - Additional information is available upon request



Contact Information For Municipal Officials

For more information regarding the Solar 4 All™
program and pole-attached installations:

Visit:

pseg.com/solar4all

Call:

1-800-664-4761, option 2

Emergencies: 1-800-436-PSEG (7734)

Email:

LargeCustomerSupport@pseg.com

*Putting the **power of green** within your reach*

Questions?