

# California Solar Initiative

## RESNET

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**Shagun Boughen**  
**Pacific Gas and Electric**  
**Company**

# California Solar Initiative (CSI)

- CSI – March 2, 2006 CPUC opened a proceeding to develop rules and procedures for the CSI
- August 21, 2006 Governor Schwarzenegger's signed Senate Bill 1 (SB 1), which directs the CPUC and CEC to implement the CSI program for the period 2007-2016
- As part of Governor Schwarzenegger's Million Solar Roof program, California has set a goal to create 3,000 megawatts of new, solar produced electricity by 2017

# 2007 CSI

- **Goals**
  - Install 3,000 MW of distributed PV capacity in CA by 2017
  - Establish a self-sufficient solar industry in which solar systems are a viable mainstream option in 10 years
  - To place solar systems on 50% of new homes
- **CPUC will have oversight over existing residential, existing and new commercial, industrial and agricultural properties**
  - \$2.165 Billion budget over 10 years
  - Incentives for systems 1 kW – 1 MW
- **CEC will have oversight over residential new construction (third party administrators by mid-2007)**
  - \$350 Million budget over 10 years
  - 400 MW

# New Solar Homes Partnership

- Purpose:

Provide incentives and support activities for installing eligible solar photovoltaic PV systems on new homes

- Goal:

To create a self sustaining market for solar homes where builders incorporate high levels of EE and high performing solar systems

# NSHP

- High Performance Solar Homes
  - High Levels of Energy Efficiency
  - High Performance PV Systems
- Incentives – expected performance- based determined by PV Calculator
  - \$2.50/watt – option feature
  - \$2.60/watt – standard feature
- Third-Party Field Verification

# Energy Efficiency Component

- Tier I – Minimum Condition of Participation
  - 15% Savings Beyond T-24 Total Energy Budget
- Tier II
  - 35% Savings Beyond T-24 Total Energy Budget
  - 40% Savings Beyond T-24 Space Cooling Budget
  - Commission Preferred Level
- Both Tiers: ENERGY STAR® Appliances

Utility Residential New Construction Programs  
incentives pending approval for Tiers

# Field Verification Component

- Field verification is intended to ensure
  - PV modules & inverters used in the expected performance calculations are installed in the field;
  - PV modules are either minimally shaded, or if shaded that the actual shading does not exceed the shading characteristics that were included in the expected performance calculations; and
  - Measured output power from the system matches that expected by the PV calculator.



# California Solar Initiative

**NSHP Final Guidebook**

**CSI Guidebook**

**[www.gosolarcalifornia.ca.gov](http://www.gosolarcalifornia.ca.gov)**