



New Solar Homes Partnership

Affordability Through Sustainability
September 16th, 2011

SDG&E Residential New Construction Programs

1. New Solar Homes Partnership

- Solar electric incentives
- New homes including affordable housing

2. California Advanced Homes

- Energy efficiency incentives
- New Homes including affordable housing

NSHP Program Overview

Program timeline –

- January 1, 2007 – December 31, 2016

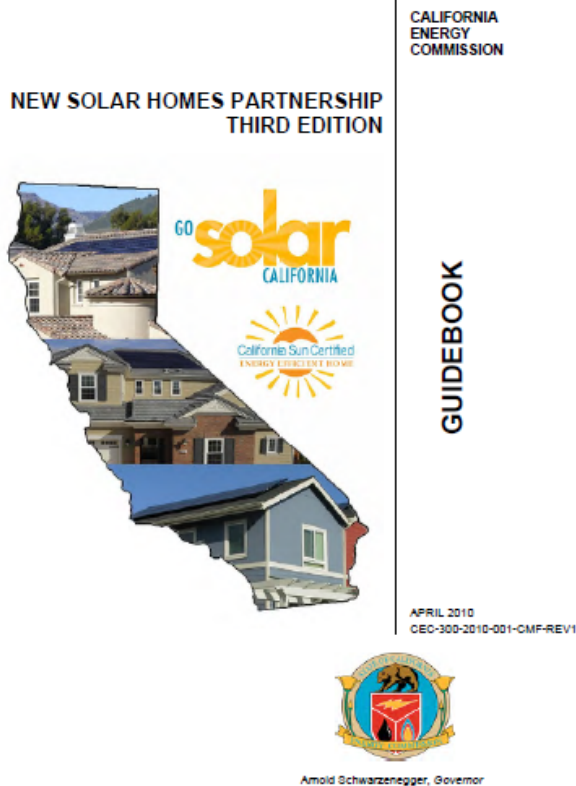
Statewide Goals –

- Create a self-sustaining market for energy-efficient, solar homes
- 400 MW; \$400 million budget

Program administration –

- Under the auspices of the California Energy Commission – NSHP Guidebook, NSHP web tool, CECPV Calculator, Marketing & Outreach
- Program Administrators – PG&E, SCE, **SDG&E**, and BVES

NSHP Program Guidebook



- The 3rd Edition of the NSHP Guidebook was adopted on January 27th, 2010
- The guidebook describes the eligibility requirements, reservation, application, and payment process
- It also explains the field verification and diagnostic testing process
- Current version of the guidebook can be downloaded at:
www.gosolarcalifornia.org/about/nshp

NSHP Eligibility



Technology –

- Solar electric systems (Photovoltaic)

Customers –

- Residential new construction

Housing Types –

- Single and multi-family buildings
- Common area of housing developments
- Qualifying mixed-use properties
- **AFFORDABLE HOUSING**

NSHP Incentives



- NSHP offers generous financial incentives, based on the expected performance of the PV system
- The Expected Performance Based Incentive (EPBI) is calculated with the CECPV Calculator
- Market rate housing*
 - \$2.25/watt base incentive
 - \$2.35/watt solar as standard incentive
- Affordable housing*
 - \$2.97/watt common areas
 - \$3.15/watt dwelling units

**Current incentive level*

NSHP Requirements

- PV system size 1 kW AC or larger
- Sized to offset the end-use consumer on-site electric load
- Grid connected with eligible utility
- NSHP incentives capped at 7.5 kW (except for common area and Virtual Net Metering projects)
- New, certified system components listed on the CEC's eligible equipment list
- Equipment seller/installer must be registered with the CEC
- Ten year warranty on system components & labor
- Building must achieve energy efficiency above current Title 24
- Third-party field verification of energy efficiency measures and PV system (HERS Rater)

NSHP Energy Efficiency Requirement



Tier 1 –

Minimum building energy efficiency requirement

- 15% better than Title 24 Building Energy Efficiency Standard

Tier 2 –

- 30% better than T-24, 30% reduction in cooling load
- ENERGY STAR® appliances

Affordable Housing

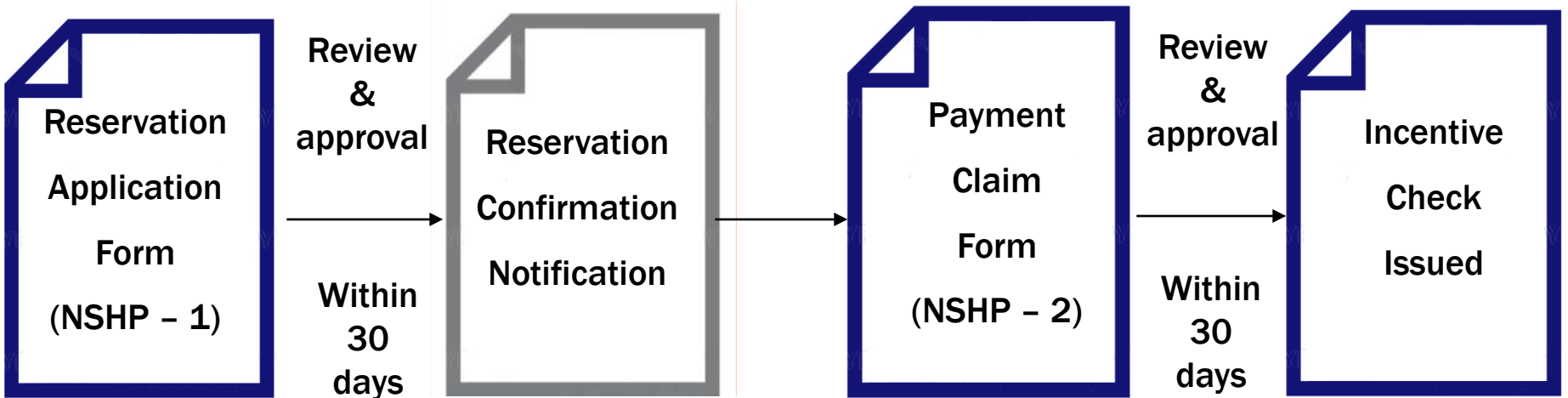
- The NSHP offers higher incentives for qualifying systems installed on affordable housing projects. This includes single and multi-family developments where 20% of the project units must be subject to the affordability requirement for at least 10 years, and each residential dwelling unit must be individually metered
- Expect to provide Regulatory Agreement or other relevant document to establish eligibility
- Virtual Net Metering is allowed for affordable housing projects

Third Party System Ownership



- PV systems that are leased by the end-use customer or supply energy to the end-use customer through a power purchase (PPA) agreement may qualify for NSHP funding
- The lease/PPA agreement must be executed or have a start date on or after July 1, 2009, with initial term of no less than 10 years

NSHP Application Process



- NSHP – 1 supporting documents listed on the form; the review includes plan check by a 3rd party agency
- NSHP – 2 supporting documents listed on the form; the applicant should complete the field verification with a 3rd Party HERS rater prior to submitting the claim package
- Missing or incorrect information/documents may cause delays

Before you Apply

- Establish electric service with the IOU
- Submit application for Net Energy Metering
- Participate in your IOU's Energy Efficiency Program for additional incentives
- Review the NSHP Guidebook at <http://www.gosolarcalifornia.ca.gov/documents/ns hp.php>
- Apply online at <https://newsolarhomes.org>

Online Resources



- Go Solar California: www.gosolarcalifornia.ca.gov
- California Advanced Homes Program: www.californiaadvancedhomes.com
- California Association of Building Energy Consultants (CABEC): www.cabec.org
- California Certified Energy Rating & Testing Services (CalCERTS): www.calcerts.com

California Advanced Homes Overview

- Statewide energy-efficiency program for Residential New Construction
- Calculated incentives based upon CEC approved compliance software (EnergyPro or Micropas)
- Incentives are based upon the 2008 Title 24 Energy Efficiency Standards
- **CURRENTLY NOT ACCEPTING NEW APPLICATIONS IN THE SDG&E TERRITORY**

Thank You

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