

**Non Profit and Affordable Housing
Energy Summit, San José
May 6, 2009**

New Solar Homes Partnership Program Update

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California Solar Initiative Ten Year Goal= 3,000 MW

CPUC's
CSI
1,940 MW
\$2,167

mil.

SF & MASH
programs:
\$200mil+

CEC's
NSHP
400 MW
\$400 mil

AH: \$40 mil.

POU Solar
Programs
700 MW
\$784 mil



CEC's New Solar Homes Partnership

Program Goals:

- Self-sufficient solar industry
- 400 megawatts by the end of 2016
- Solar energy systems on 50% of new homes by end of program
- Extra energy efficiency
- High-performing systems



Incentives

Upfront incentive

•Affordable Housing:

- \$3.50/watt* for residential unit installations
- \$3.30/watt* for common area installations
- 36 month reservation period.

•Market-rate housing:

- \$2.50/watt* – base incentive (18 mo. Reservation)
- \$2.60/watt*- solar as standard (36 mo. Reservation)



*Expected Performance-Based Incentive – varies by location, azimuth, tilt, and shading.

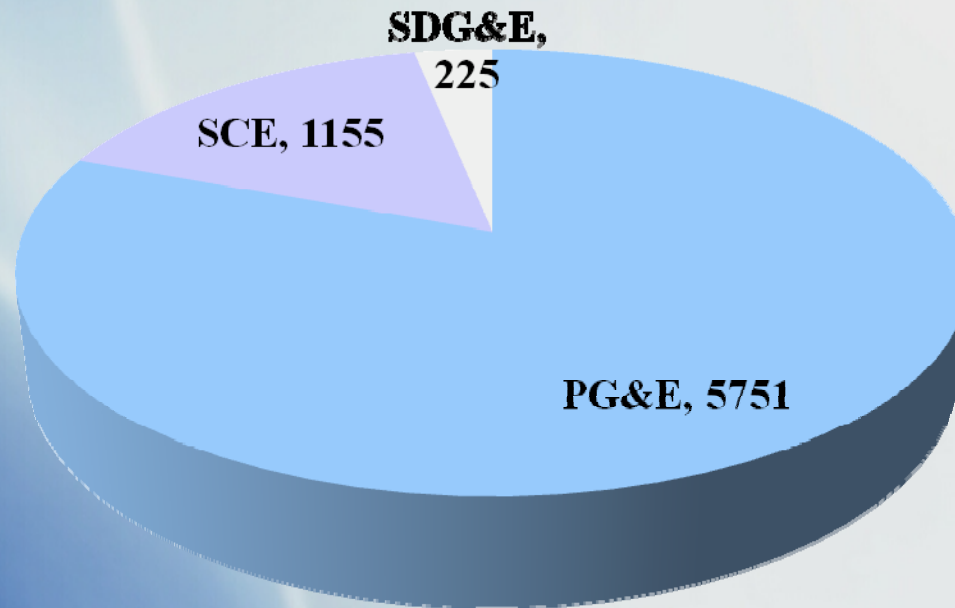
Program Eligibility

- 1 kW AC or larger , grid-connected.
- Offset customer's electric load.
- New certified components/10-year warranty.
- Served by: PG&E, SCE, SDG&E, BVES
- New residential (Single-family, multifamily, affordable housing)
- Energy Efficiency requirements: 2005/2008 Title 24
 - Minimum - Tier 1: 15%/15% higher than Title 24
 - Encouraged - Tier 2: 35%/30% higher and 40%/30% AC reduction



NSHP Activity

All Solar PV Systems per
Investor-Owned Utility as of April 1, 2009
(Under review, approved, installed)



Total = 7131 Solar PV Systems
(258 systems are affordable housing)



Affordable Housing

Number Of Systems

May 2009

- ❖ Under review, approved, & completed
 - PG&E= 265
 - SCE 53
 - SDG&E 48
 - Total = 366 systems
 - Total = 1.5 MW
- ❖ Completed: 14 systems = 410 kW (included in above #s)
- ❖ “Pending”
 - PG&E= 37
 - SCE 12
 - SDG&E 33
 - Total = 82 systems



AH Incentives and Target MWs

- ❖ Incentives decline as megawatt targets are achieved,
- ❖ and decline to zero over 10 year program duration

<u>Res unit Incentive</u>	<u>MW</u>	
\$3.50	1.5	← Currently
\$3.15	1.8	
\$2.80	2.2	
\$2.45	2.5	
\$2.10	3	
\$1.75	3	
\$1.40	4	
\$1.05	5	
\$0.70	6	
\$0.35	7	
Total	36	



Remember Energy Efficiency Incentives!

- Utilities offer EE incentives
- Encourage applicants to go through utility incentive programs
- Advantage: Helps to pay towards meeting EE requirements +Easier application process

To find out more about EE Incentives:

PG&E's New Residential Construction program

Call: (800) 342-7737

Email to: newhomes@pge.com.

SCE's California New Homes Program

Single-family projects, email to: CANHP@icfi.com

Multifamily projects, email to: CANHP@h-m-g.com

SDG&E's Advanced Home Program

Email to:

newconstructionservices@semprautilities.com



NSHP Application Web Tool

www.newsolarhomes.gov

Purposes:

- ❖ On-line application/rebate process for builders/installers
- ❖ Record Retention and information sharing between the utilities and the Energy Commission
- ❖ Summary NSHP Program Statistics reporting
- ❖ Automated Email notifications

Training: Webex NSHP web tool tutorials available at:

<http://www.gosolarcalifornia.ca.gov/nshp/training/index.html>



Possible Guidebook revisions:

Affordable housing changes:

- ❖ Remove the 45-year affordable status requirement
- ❖ Allow Energy Efficiency documentation 60 days after California Tax Credit Allocation Committee (TCAC) approval.
- ❖ Evaluate/ Incorporate Virtual Net Metering for NSHP affordable housing projects as necessary subject to PRC 25401.6.



NSHP Paperwork Simplification

- ❖ Eliminate hard copies of:
 - Residential New Construction (RNC) program acceptance letter
 - CF-4R and CF-4R-PV forms
 - Interconnection letter

Program administrators will check that these forms have been submitted internally and through the Home Energy Rating Systems (HERS) registries.



NSHP Paperwork Simplification

❖ Eliminate:

- build-out schedule
- system size justification letter
- final solar permit sign-off
- final paid invoice.
- Affordable housing applications: random audits to check maintenance and monitoring plan
- Option to allow payee to sign all required documents.
- Require the Payee Data Record form STD-204 at the payment claim step.



Anticipated Timeline for revising Guidebook

- ❖ Staff Workshop held on April 10
- ❖ Comments received: April 17
- ❖ Renewables Committee direction: late May
- ❖ Proposed Guidebook: Mid-June
- ❖ Adoption at Business meeting: late June



Additional:

- California Utility Allowance Model (CUAC)**
- Virtual net metering for CPUC's MASH program (D.08-10-036)**



www.gosolarcalifornia.ca.org

Renewables Call Center: 800-555-7794

Thanks.

