



California Energy Commission

# New Solar Homes Partnership

## Renewables Committee Workshop

June 6, 2007

**NSHP Guidebook – Staff Draft**

Sanford Miller

<b>DOCKET</b>	
06-NSHP-1	
DATE	JUN 06 2007
RECD.	JUN 06 2007



## Presentation Topics

1. NSHP Status
2. Proposed Guidebook Changes:
  - a) Affordable Housing Issues/changes
  - b) Other Guidebook changes
3. Timeline
4. Issues/Comments



# 1. NSHP Status

- NSHP Guidebook adopted December 2006
- Program started January 2, 2007
- Marketing activities:
  - ProProse (builder partnering, started December)
  - Edelman and Associates (research stage)



## Program Adjustments

- PV Calculator
  - Certified modules:
    - January: 5 modules
    - Today: 90 modules
    - More modules anticipated to be added
  - Calculator error
    - Fixed in February
- Coordinate with utility new home construction programs to help offset higher efficiency requirements.





## Outsource of Program Administration

- Negotiations are progressing with all 3 IOUs to hand-off program administration
- “Program Administrator” language to be inserted in place of “Energy Commission” in Guidebook
- Anticipated hand-off: Fall, 2007



## Program Activities

- Applications to date: 19
- All custom homes
- No housing developments yet
- No affordable housing applications yet



## **2. Proposed Guidebook Changes**

### **a). Affordable Housing Issues:**

- Incentives**
- Funding set-aside**
- Mixed use developments**
- Efficiency requirements**
- Maintenance**
- Metering**
- Reservation period**





### **AH Incentives:**

#### **Current Guidebook:**

- 25% increase in incentive over regular NSHP
  - \$3.25/watt on 50%+ units
  - \$3.13/watt all other applications
- Individual units & common areas get same level of incentives
- Incentive declines tied to regular NSHP program
- No funding set-aside





### AH Incentives:

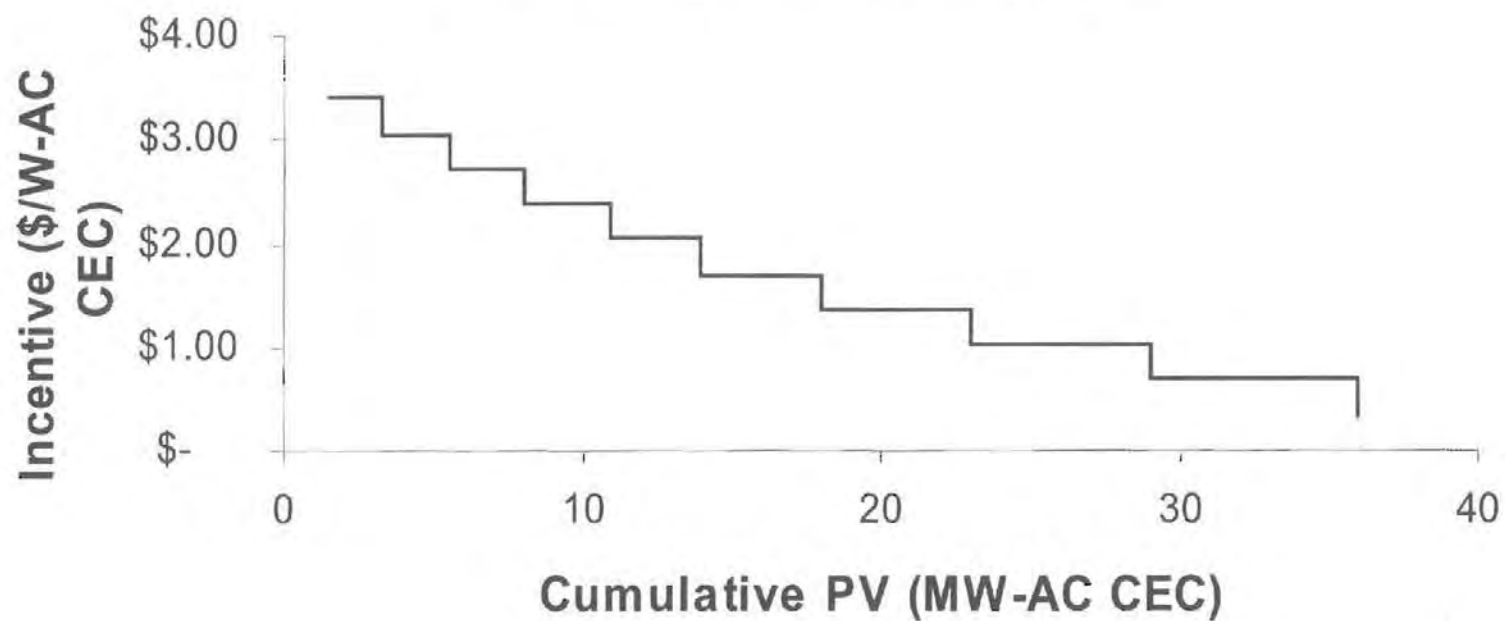
#### *Proposed:*

- \$3.50/watt for solar systems on residential units
- \$3.30/watt common area portion
- Incentives decline over time as systems are installed (similar to regular NSHP program)
  - When separate AH MW targets are achieved
  - Decline schedule is separate from regular NSHP program
- No specific set-aside of funding



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### AH Incentive Structure (Volume Trigger)





## AH Mixed Use

Mixed Use developments (residential + non-residential, e.g., retail site)

- **Current Guidebook:**

- Mixed use developments not eligible

- ***Proposed:***

- Solar which serves the residential portion only of mixed use projects eligible





# AH Efficiency Requirements

## Current Guidebook:

- Minimum: 15% beyond Title 24 efficiency. If common areas are to have solar, entire project must be 20% beyond Title 24.

## *Proposed:*

- Minimum: 15% beyond Title 24 efficiency.



# AH Metering

## Current Guidebook:

- Individual Metering required

## *Proposed:*

- Individual metering still required but allows non-utilities to own meters



## AH Maintenance

### Current Guidebook:

- No maintenance contract requirement

### *Proposed:*

- Maintenance contract required at time of claim





## AH Reservation Period:

- Current Guidebook:
  - 36 month reservation period
- No change



## **b). *Other Proposed Changes***

Coordination with CPUC's CA Solar Initiative:

- Definition of new residential
  - Mixed use is eligible but only for residential portion
- 
- Common areas are eligible if they primarily serve the residences.



## ***Other Proposed Changes (cont.)***

- System Ownership – flexible. Intent is to insure systems remain in place for life of system.
- Clarification of Guidebook provisions
- Clarification of forms to remain consistent with Guidebook language.





## ***Other Proposed Changes (cont.)***

### Documentation of Energy Efficiency

- Documentation requirement waived for applicants participating in utility new construction program
- Construction plan set redefined to address plan check information need



## ***Proposed Changes to Appendices***

- Appendix 3
  - Clarification on the required documentation for listing eligible PV modules
  - Tested value of gamma allowed to be reported and used in calculations
- Appendix 4
  - Clarification and tolerance added to field verification procedures
  - Field Verification Table revised to include more conditions



### 3. Timetable for NSHP Guidebook Revision

- Proposed Committee Guidebook posted by June 22nd
- Considered for adoption at **July 3, 2007**  
Energy Commission Business meeting





## 4. Comments Solicited

- Affordable housing provisions
- Other changes
- Timeline issues
- Written comments to Dockets by 5 pm, **June 7, 2007**