



California Solar Programs Pursuant to Senate Bill 1

California PV Utility Managers Meeting
Santa Clara, CA

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Topics

- SB 1 Guidelines revision
- POU reporting requirement
- Requirements beginning 2009



SB 1 Guidelines Revision

Tentative Schedule

- Released Notice of workshop - August 25
- Committee Workshop - Sept. 8
- Deadline for written comments - Sept. 15
- Release Notice of Adoption and proposed final Guidelines - October 8
- Business Meeting date - October 22



SB 1 Guidelines Revision (cont'd)

Substantive changes

- Extend implementation date to July 1, 2009 for Chapters 3, 4, and 5
- Add system performance audit - Public Resources Code 25783(d)
- Address other covered solar electric generating systems
- Alternate shading methodology (using solar assessment tools)
- Alternate field verification protocol for installers
- Update Title 24 Standards
- Remove Benchmarking exemption for PBI



SB 1 Guidelines Revision (cont'd)

Nonsubstantive changes

- Clarify schedule
- Clarify system warranty
- Adopt the ± 5 percent inverter-integrated meter testing protocol
- Clarify Alternative Portfolio Energy Savings
- Modify POU reporting requirement



POU Reporting Requirement

For June 1, 2009

1. report due no later than June 1
2. report period covers calendar year 2008
3. working with trade associations (CMUA/NCPA/SCPPA) on a template
4. electronic submittal



2009 Requirements

- System eligibility list (PV, inverter, meter, other solar electric generating systems)
- System design and installation standards
- PBI incentive design – required for other solar electric generating systems
- Energy Efficiency for New Construction and Existing Buildings



Proposed 2009 Energy Efficiency Requirements for New Construction

– *Proposed* Residential New Construction Tiers

- Tier I 15% better than 2008 Standards
- Tier II 30% better than 2008 Standard
 - » 25% reduction in space cooling

– *Proposed* Commercial New Construction Tiers

- Tier I 15 % better than 2008 Standards
- Tier II 30% better than 2008 Standards



Existing Buildings

- Energy Efficiency Requirements

Existing Residential Buildings

- Information and Disclosure Requirements
 - » (see template draft)
- Energy Audit
- Application



Existing Buildings

- Energy Efficiency Requirements

Existing Commercial Buildings

- Information and Disclosure Requirements
 - » (see draft template)
- Energy Audit (less than 100,000 square feet)
- Benchmark Rating (*no exemption for PBI*)
- Retro-commissioning (over 100,000 sq ft, < 75 benchmark)
- Application



Alternative Portfolio Energy Savings

- Designed to offer more flexibility
- Can be a comprehensive or targeted program
- Total 20 percent energy efficiency savings over the group
- 3 year plan