



California Energy Commission

PV Utilities Manager Meeting

San Diego

February 1, 2006

California Solar Initiative (CSI)

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Renewable Energy Program



The CSI Is:

- An incentive program for solar technologies
- Overseen by the CPUC and CEC
- Budgeted at ~\$2.9 billion
- Structured around capacity-based incentives (transition to performance-based incentives)
- Not an exact reflection of Senate Bill 1
- Active from 2007 – 2016
- Transitioning in 2006



An incentive program for solar technologies

- PVs, concentrating solar, solar HVAC, and solar water heaters
- Not to exceed 5MW or 100% of historic peak load, whichever is less
- Retail projects to serve on-site load
- Utilities not eligible but will reconsider in 2009
- SDREO to conduct pilot solar water heating program



Overseen by the CPUC and CEC

- CPUC will oversee existing residential and commercial, CEC will oversee new residential
- Third-party admin for existing residential
- Utilities and SDREO for admin of commercial
- Regular public meetings on admin
- Marketing and education plans
- Third-party evaluations
- Single web-based application encouraged



Budgeted at ~\$2.9 billion

- CPUC program \$2.5 billion
- Utility share based on energy efficiency funding
- ALJ can direct 15% borrowed forward
- Up to 10% for admin
- Up to 5% for research
- 10% set aside for affordable housing
- CEC program ~\$350 million



Structured around capacity-based incentives

- Currently, capacity based incentive
- Expect to transition to PBI
- Currently, all market sectors have same rebate of \$2.80/watt (in 2006)
- Rebate to decline by \$0.25 (10% of first year's incentive level) per year
- Energy efficiency audit required for all existing buildings
- Application fee authorized



Not an exact reflection of Senate Bill 1

Same objective: Sustainable solar market
3,000 MW??

Unlike SB1, CSI does not include:

- Municipal utility participation
- Metering changes, such as changes to the net metering cap
- Mandates for builders
- Loans



Active from 2007 – 2016

- Ten year program provides certainty
- Program changes may include:
 - Shift to PBI
 - Adjustments to incentive levels
 - Incentives differentiated by market segment
 - Reconsideration of administrators
- Evaluations are to be conducted periodically



Transitioning in 2006

- Continue with Self-Gen and ERP for 2006
- Workshops in Feb/March
 - PBI and federal tax interactions
 - Program handbook development
 - Incentives for non-PV technologies
 - Energy Efficiency
- Workshops in August/September
 - Marketing and outreach proposals
 - Advance metering
 - RD&D proposals



Residential New Construction Solar Program

Stakeholder meetings	January – February
Advisory Group / Public Workshops	March - April
Draft RNC Solar Program Guidelines	June
Committee Workshop(s)	July
Revised Draft Program Guidelines	August
Energy Commission Business Meeting	September



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Harness The Power All Around Us

Manage your electricity costs

Rely on limited, renewable resources

Protect our environment

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