

Public Power Energy Efficiency Status Report Commitments and the Importance of Partnerships

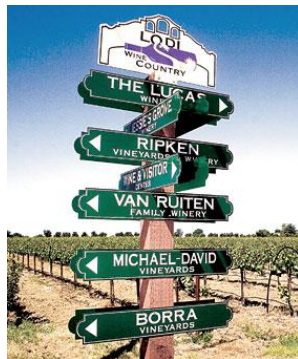
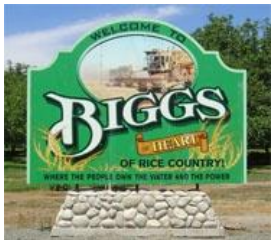


*Presentation to the Senate Energy,
Utilities, and Communications
Committee,
Sacramento*



Scott Tomashefsky
Northern California Power Agency
March 16, 2010

Public Power Interests are Diverse and Unique



“One size does not fit all”



Changing Viewpoints About Public Power's Commitment to Energy Efficiency

2005

- *Public power energy efficiency targets “are now lagging well behind those of the state’s investor-owned utilities.”* (Natural Resources Defense Council Report, February 2005)
- *It is “less than convincing” that public power is doing its job in the area of energy efficiency.* (Assembly Energy & Utilities Committee Chair Lloyd Levine, November 2005)

2009

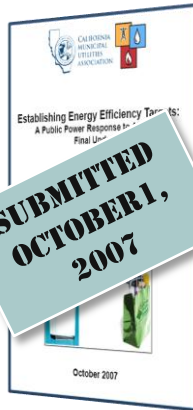
- *Publicly-owned utilities are successfully demonstrating their commitment to energy efficiency as a part of a larger responsibility to carbon emissions reductions.* (Pg 2 - CEC Report Regarding POU Programs, June 2009)
- *The POU community has made remarkable progress in efficiency program evaluation over the last year.* (CEC - Page 16)
- *The POU’s have been responsive to AB2021 during 2008 and in their planning for 2009 and beyond.* (CEC - Page 26)

Reporting Confirms Public Power Commitment



**SUBMITTED
DECEMBER 15,
2006**

**SB 1037
2006 Report**



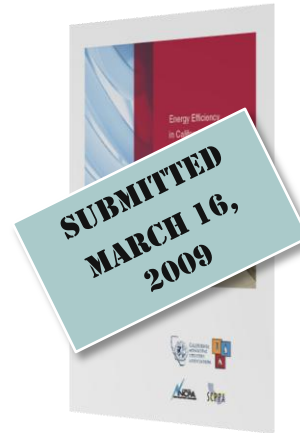
**SUBMITTED
OCTOBER 1,
2007**

**AB 2021 Targets
2007 Report**



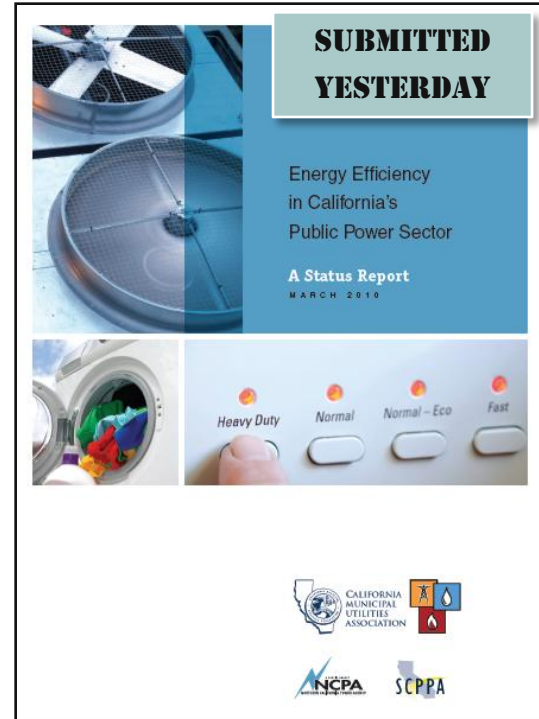
**SUBMITTED
MARCH 17,
2008**

**SB 1037
2008 Report**



**SUBMITTED
MARCH 16,
2009**

**SB 1037
2009 Report**



**SUBMITTED
YESTERDAY**

Energy Efficiency
in California's
Public Power Sector
A Status Report
MARCH 2010



**SB 1037
2010 Report**

Supporting Documentation

- KEMA Efficiency Measure Quantification Studies 2006, 2008, 2009
- E3 Reporting Tool, v2006-08
- Custom Measure Guidelines
- Measurement & Evaluation Reports

Strategic Partnerships

POUs Participating in Energy Efficiency Collaborations

NCPA

Alameda
Biggs
Gridley
Healdsburg
Lodi
Lompoc
Palo Alto
Plumas-Sierra
Port of Oakland
Redding
Roseville
Silicon Valley Power
Truckee Donner
TID
Ukiah

SCPPA

Anaheim
Azusa
Banning
Burbank
Colton
Glendale
IID
LADWP
Pasadena
Riverside
Vernon

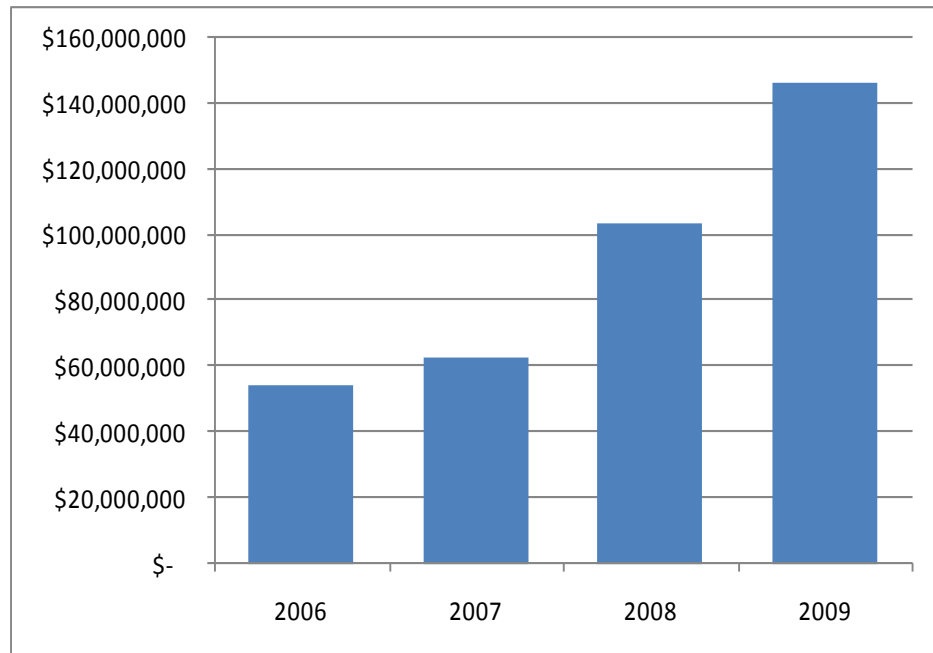
CMUA/Other

Corona
Hercules
Industry
Lassen MUD
Moreno Valley
Merced Irrigation District
Modesto Irrigation District
Needles
Island Energy (Pittsburg/Mare Island)
Rancho Cucamonga
Shasta Lake
SMUD
Trinity PUD
Victorville

Public Power Status Report: Energy Efficiency

- \$367 million spent on energy efficiency since 2006
- \$146 million in 2009, 41% above previous year
 - Expenditures represent 2.25% of retail sales
- Programs are highly cost-effective
 - Provide nearly \$4 of societal benefits for every \$1 spent (TRC analysis)

POU Investments in Energy Efficiency



Public Power Status Report: Energy Efficiency

- 117 MW of peak demand reductions
- 644 million kWh of annual savings
- LADWP and SMUD account for approximately two-thirds of public power program energy efficiency savings
- Smaller utilities also showing significant progress in aggressive deployment of energy efficiency programs

POU Summaries

2006-2009 Publicly-Owned Utility Program Results

Year	Net Peak	Net Annual kWh Savings	Net Lifecycle MWH Savings	Total Utility Cost (\$)
	kW Savings			
FY05/06	52,552	169,302,601	2,249,214	\$ 54,412,728
FY06/07	56,772	254,331,659	3,062,361	\$ 63,151,647
FY07/08	82,730	401,919,205	4,473,801	\$ 103,907,266
FY08/09	117,435	644,260,232	6,749,912	\$ 146,093,107

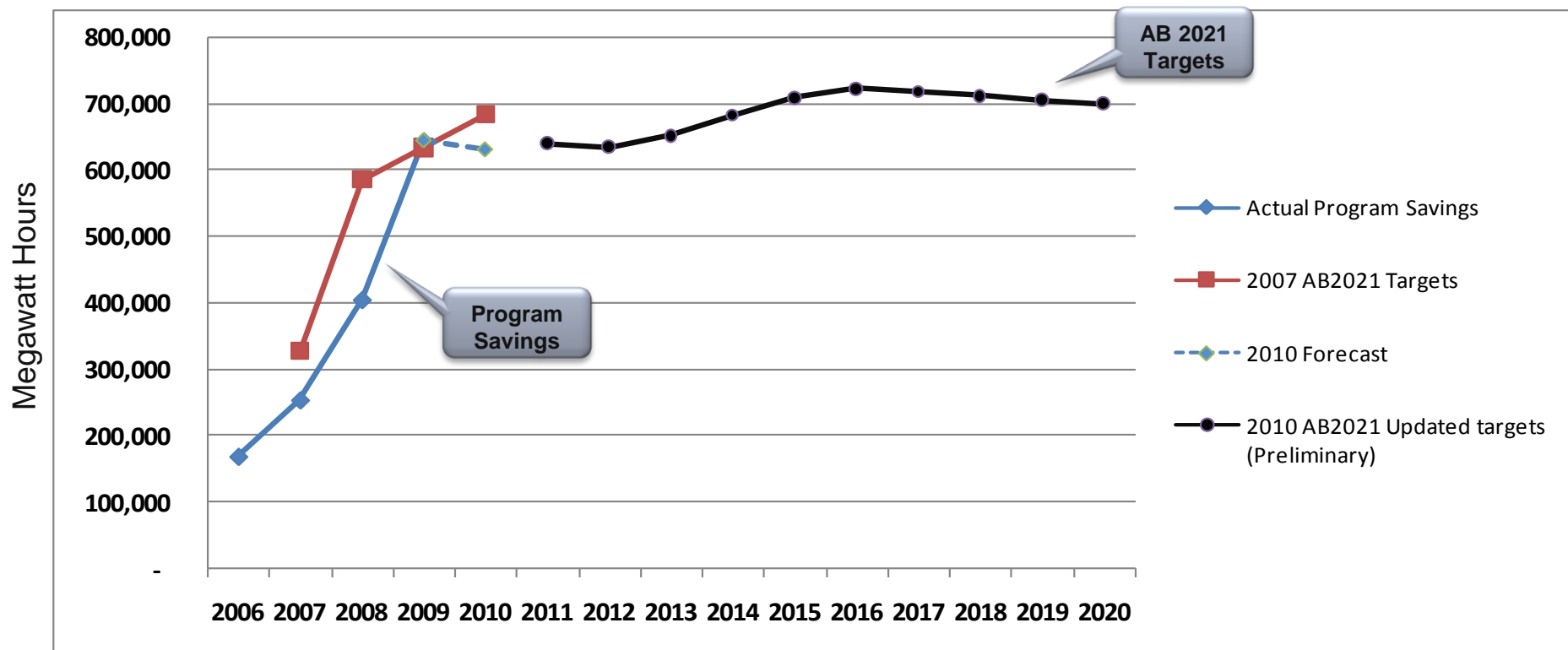
2006-2009 Results - Excluding LADWP & SMUD

Year	Net Peak	Net Annual kWh Savings	Net Lifecycle MWH savings	Total Utility Cost (\$)
	kW Savings			
FY05/06	19,292	67,766,218	953,628	\$ 21,921,485
FY06/07	21,174	96,740,737	1,402,162	\$ 28,663,125
FY07/08	37,822	171,738,010	2,079,276	\$ 39,000,521
FY08/09	40,791	208,658,443	2,670,085	\$ 45,476,667

15 largest POUs account for 97% of energy efficiency savings

POU Efficiency Savings and Targets

Shaping Expectations and Energy Policy



Source: CMUA SB1037 Report, March 2010

Public Power Status Report: Verifying Results

- 44 separate POU measurement and verification reports will have been completed by the end of 2010
- Verification realization rates have been in the 80-100% range, sometimes higher
- Key to success:
 - Close relationships with customers and their specific needs
 - Collaboration between NCPA and SCPPA produced verification approach that can be utilized by smaller POUs



Analytical Considerations

The Importance of Trends

- Trends are much more important to gauge progress
 - Focus on specific numbers guarantees analytical failure, creates policy challenges
- Key Surprise for 2009: Economic meltdown did not slow down energy efficiency progress
- Stimulus funding will help 2010 programs
- Customer behavior unpredictable
 - Can't force customer to invest in energy efficiency
 - Relationship between customer behavior and "success" of utility programs inversely related to utility size

