

## 2008 Title 24 PG&E Residential CASE Update Report



Codes & Standards Enhancement Project



DATE NON 24 2005

RECD. APR 2 9 2008



### 2008 T-24 CASE Reports

Codes And Standards Enhancements

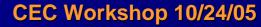
Technical and feasibility information on energy savings proposals to support an informed CEC decision

- Technical information how does it work, how much cost, how much energy and cost savings
- Feasibility market share, can market respond, interaction w/ codes & practices



# 2008 T-24 Residential CASEs Pool Pumps

Residential Windows



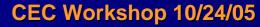


#### **Pool Pumps**

Approximately 23,000 new pools in CA each year
 35 MW of new load from pool pumping

 Assuming 1.5 kW per pool

 Most or all is shiftable





### **Pool Pumps**

- Determine control requirements (2 or variable speed)
- Propose maximum water velocity in filtration piping to reduce total dynamic head, power, work, and energy required to filter the volume of pool water
   Demand Response Needs / Applications