

# SRP's Energy Efficient Home Program

- In 1989 SRP launched first program, *Climate Crafted Home*
  - Promote homes built to use less energy
  - Features assigned + or - points
  - Minimum points needed to qualify
  - Feature trade-off = flexibility for Builder
  - Performance estimated with Dept of Energy software, DOE & DOE2
  - Buyers provided with estimated seasonal and annual bills

# SRP's Energy Efficient Home Program

- By 2003, majority of homes built met *SRP Certified Home* requirements.
- In 2004, municipalities adopting IECC and IRC for residential building codes
- Also, SRP developing Sustainable Portfolio & commitment to conservation
- Recognized January 2006, requirement for heat pumps & A/C units to be 13 SEER
- Decision made to revamp SCH program

# New Program: SRP PowerWise Homes (PWH)

**SCH**

**PWH**

<b>Cooling / Heating equip't</b>	<b>Heat pump req'd; 10 SEER</b>	<b>Dual fuel Ok; 13 SEER req'd</b>
<b>Review of HVAC calcs</b>	<b>No</b>	<b>Yes</b>
<b>High Perform. Windows</b>	<b>Subjective</b>	<b>Low e needed</b>
<b>Qualifying points</b>	<b>Determined by SRP</b>	<b>HERS 87 min.</b>
<b>Physical tests leakage/low e</b>	<b>No</b>	<b>Yes</b>

**PowerWise Homes housing is 15% more efficient than the older SRP Certified Home housing.**

# SRP PowerWise Homes (PWH) Program

- Homebuilder KAMs continue consultant role with builders – guiding them towards qualifying.
- Third-party performs house & duct leakage tests; SRP covering costs as incentive to builders.
- Energy Star sampling protocol and RESNET quality assurance policies.
- Homeowner receives PWH certificate & breaker panel gets PWH sticker.

# SRP PowerWise Homes (PWH) Program

## Challenges for program

- Huge demand for new homes
  - “I don’t need your program”
  - “Testing will slow production”
  - “Upgrades too expensive”
  - Fear of failures & re-testing fees
- Implementing batch sampling
- Previous bad experience with testing

# **SRP PowerWise Homes (PWH) Program**

## **Statistics to date**

- 4,839 houses committed by builders**
- 20 subdivisions Valley wide**
- Goal is 6,000 houses for FY06**
- 13,700 MWM saved per year, estimated for 6000 houses**

# SRP PowerWise Homes (PWH) Program

## Long-term plans

- **As energy efficiency standards change program requirements will be refined to continue to transform the market**
- **Support educational efforts focused on building science techniques**
- **Promote incorporation of cost effective energy efficient technologies**