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)**

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

<table>
<thead>
<tr>
<th>SCH</th>
<th>PWH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling / Heating equip’t</td>
<td>Heat pump req’d; 10 SEER</td>
</tr>
<tr>
<td>Review of HVAC calcs</td>
<td>No</td>
</tr>
<tr>
<td>High Perform. Windows</td>
<td>Subjective</td>
</tr>
<tr>
<td>Qualifying points</td>
<td>Determined by SRP</td>
</tr>
<tr>
<td>Physical tests leakage/low e</td>
<td>No</td>
</tr>
</tbody>
</table>
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.