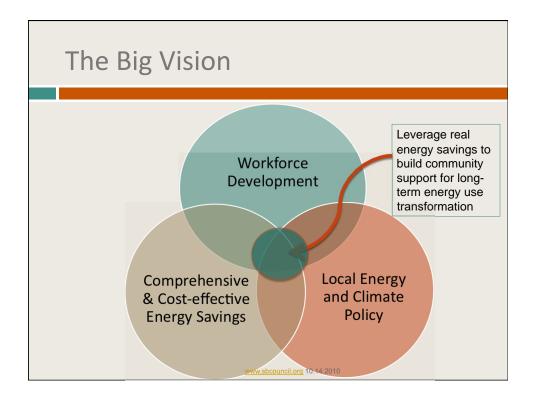
Green Jobs Through Energy Efficiency



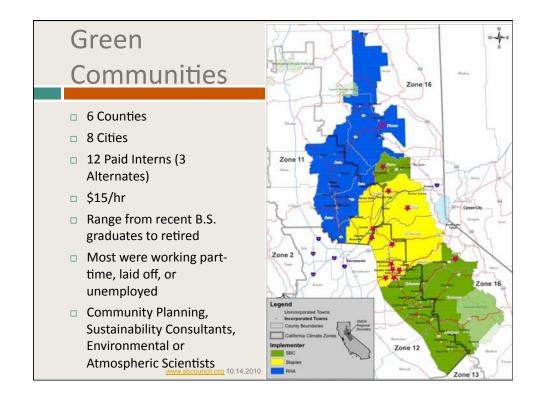
Betony JonesConsultant to Sierra Business Council, Sierra Nevada Energy Efficiency Programs betony.jones@gmail.com 530.587.3581

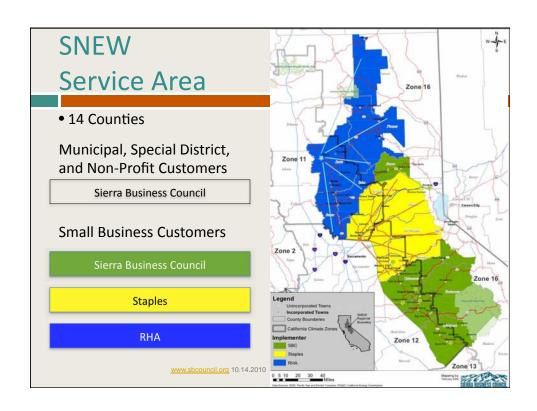
Statewide EE Best Practices Forum – Los Angeles, CA

Sierra Nevada Energy Efficiency Programs Sierra Nevada Green Communities Sierra Nevada Cnergy Vatch Innovator Pilots Www.sbcouncil.org 10.14.2010









Sierra Nevada Energy Watch Approach...

Challenges:

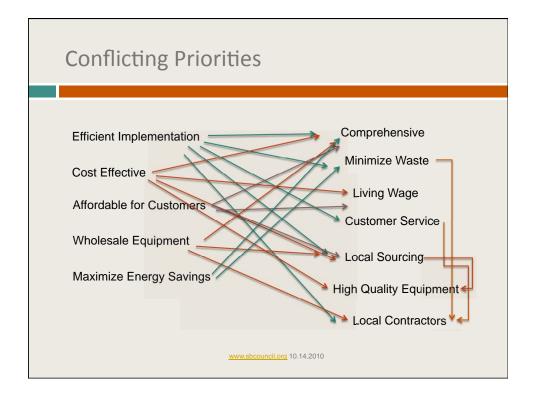
- Large geographic area, low population density
- Increased time and transportation
- Very small businesses
- Skeptics

Design:

- Implementation Schedule
- □ Bundle projects together for economy of scale
- Use a geographically dispersed network of local contractors
- "Clean Sweep"
- Calculated incentives to deliver comprehensive savings no picking and choosing

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Balancing Long and Short Term Goals Long Term Agenda Short Term Goals Market Transformation Maximize resources coming into the region Develop Local Economy Comprehensive Savings Employ Local Workforce www.sbcouncil.org 10.14.2010



Elements of our approach

- All workers are paid living wage (average of prevailing wage in the 5 counties) = \$37.50/hr straight pay
- 2. Build relationships between local contractors and customers for future energy services (i.e. solar)
- 3. Contractor training for comprehensive measure installation
- 4. Utilize "nimbleness" of small contractors to add measures and services
- Purchase equipment wholesale from local vendors (relieves contractors of financial burden)

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Elements of our approach (cont'd)

- 6. Hire program staff from the communities they serve
- Reduce emissions from employee and contractor travel (1 mi = 1 kWh)
- 8. Require customer co-pays on all projects (at least 10%)
- 9. Emphasize Service over Sales
- 10. Make proper disposal easy for contractors
- 11. Through energy and climate literacy training, help trades people become spokespeople for clean energy economy

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Nine Month Results

In-House 5 County Region

□ Peak kW: 286

□ kWh: 1,670,000

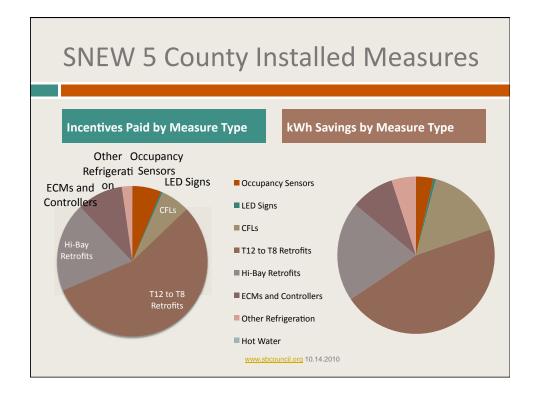
□ Incentives paid: \$194,000

□ Avg. Incentive: < \$0.12/kWh

□ Customer co-pays collected: Over \$111,000

□ Paid to contractors for labor: \$233,000

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Green Economy Results

- □ Annual \$\$ Savings for Local Businesses: \$255K
- □ Reduced GHG emissions by almost 400 metric tons
- Over \$550K has been invested in the local economy (money saved by businesses or paid to contractor or suppliers)
- □ Diverted 100% of waste from local landfills
- □ Reduce emissions from driving by hiring locally (1 mile = 1 kWh)

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Conclusions

- □ LGP In-House Direct Install programs that utilize local contractors have a number of benefits over the standard model
 - □ Customer buy-in goes up
 - Comprehensiveness goes up
 - □ Cost-effectiveness goes up
 - □ Support for climate and energy policy goes up
 - Community capacity for and interest in clean energy goes up
 - Operational GHG emissions go down

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