

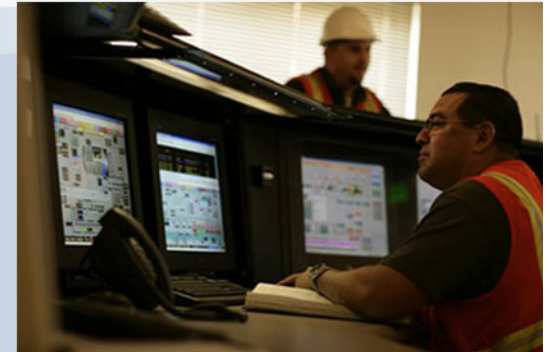


A  Sempra Energy utility[®]

AB 32 – Energy Partnerships with Local Government

Hal Snyder, SDG&E
September 4, 2008

*Serving You Today,
Planning For Tomorrow*

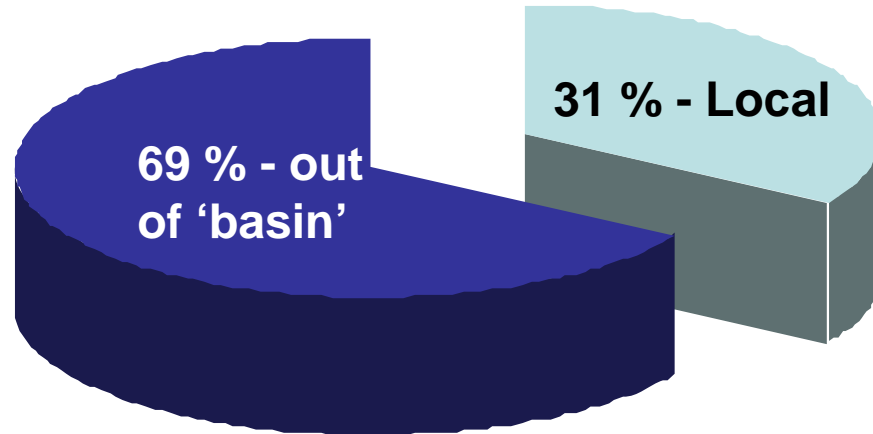


California Loading Order



- Conservation/energy efficiency
- Transmission improvements and traditional fossil fuel
- Renewable generation

SDG&E 2008 Expected RPS

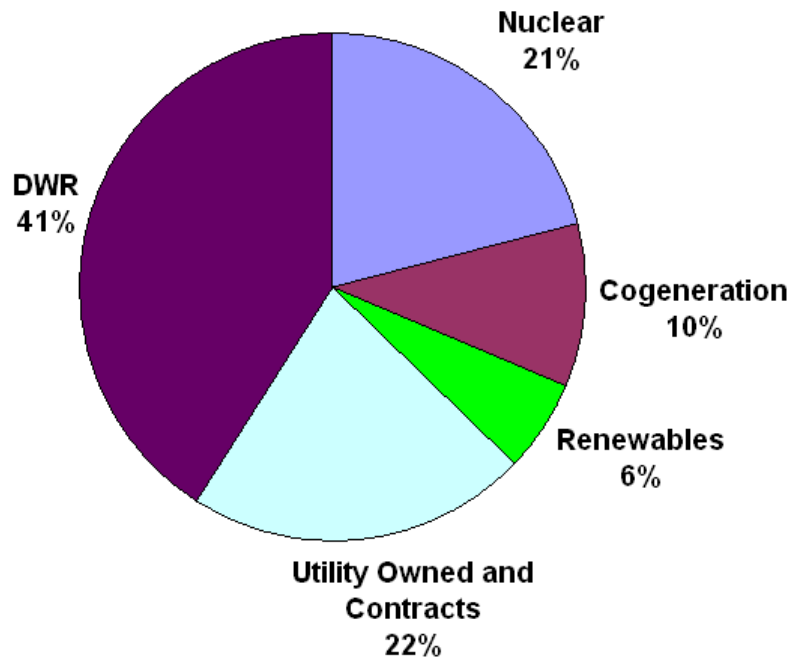


- Started in 2002 with only 1% renewables
- In the past six years, we have achieved
 - 28 contracts
 - At approx 6 %
 - Transmission critical to meeting 20 % mandate
- Pursuing numerous additional opportunities from outstanding RFOs / on a bi-lateral basis
- Intend to over contract by ~5% to offset for potential contract failures

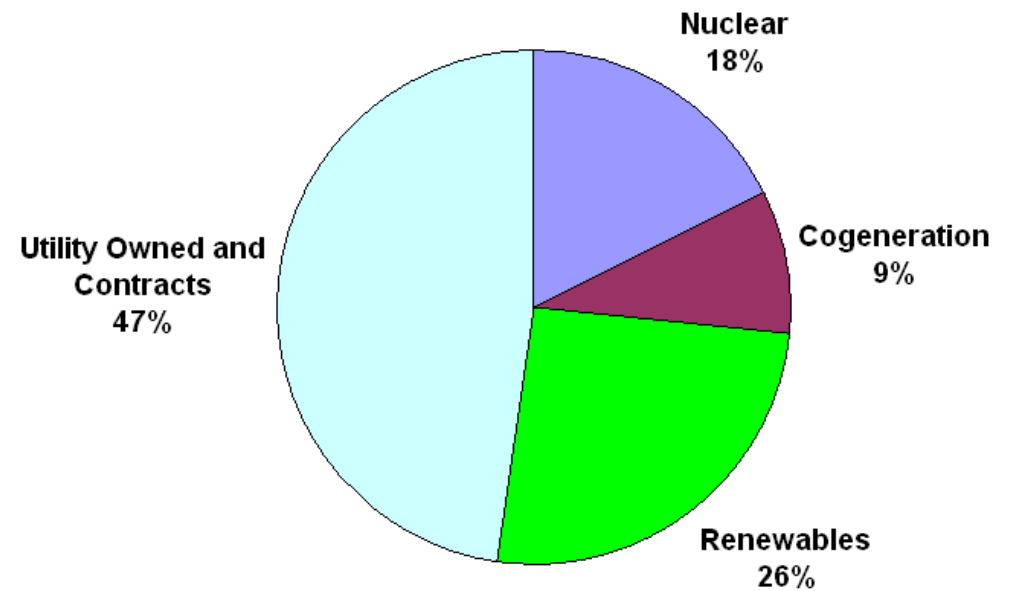
Energy Mix - 2007 and in 2015



2007



2015



SDG&E Energy Efficiency Programs for 2009-2011



- SDG&E has requested from the CPUC \$280 million in funding for the next three years to implement energy efficiency programs. The projected energy saving goals
 - 610 million kWh savings
 - 116,000 MW
 - 13.6 million therms
 - 4.5 million tons of CO2 reduction

Local Government Partnerships



- SANDAG Partnership
 - assist cities and agencies to create energy roadmaps to identify opportunities to reduce energy consumption at your cities through energy efficiency, conservation, demand reduction and renewable opportunities.
 - opportunities to look at using new emerging technologies and existing renewable technology to provide energy at cities.
- Emerging Cities Fund
 - Funding for cities to implement energy efficiency projects

Core Program Components



- Residential Energy Efficiency program -- energy efficiency rebates encourage the installation of high energy efficiency appliances and equipment.
- Commercial programs -- Small Business rebate programs and customized incentives for large Commercial projects.
- New Construction programs – provide incentives to developers and design teams for projects that exceed Title 24.

Pilot Programs



- **“Zero net energy” buildings** -- The CPUC has established milestones to achieve zero net residential construction by 2020 and commercial construction by 2030. Will be working with cities and developers to design a program,
- **Whole House program** -- Encourage home owners to implement a comprehensive upgrade. Program will be marketed with the assistance of realtors and contractors to capture the new home buyer and home renovator and work with them to consider energy efficiency, demand response and renewable in their project.

Additional Programs



- Clean Transportation
 - electric vehicle charging stations
 - natural gas vehicle fueling
- On-site power generation
- Sustainable Communities program
 - encourage green building design and practices
- Emerging Technologies
 - work with cities on demonstration projects

Conclusion



- Partnerships with all of the cities will be critical for us to reach the state's goals for energy efficiency and greenhouse gases.
- SDG&E had dedicated the resources and staff to work with cities to develop programs.