



Utility Energy Forum

Sustainability and Utility-Government Customer Perspective

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Government Partnerships and 3rd Party Programs

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PG&E's Climate Change Commitment

PG&E is committed to leading by example when it comes to climate change.

That means more than just minimizing the greenhouse gas emissions from our operations.

It also means maximizing the opportunity we have to lead on efforts to establish responsible policies and programs to address global climate change.





Putting Energy Efficiency First

“Energy efficiency is California’s highest-priority resource for meeting its energy needs in a clean, reliable, and low-cost manner.”

California Public Utilities Commission’s 2006 publication,
Energy Efficiency: California’s Highest-Priority Resource

“Energy efficiency is the lowest-cost way to meet customers’ energy needs.”

PG&E’s *Global Climate Change* report



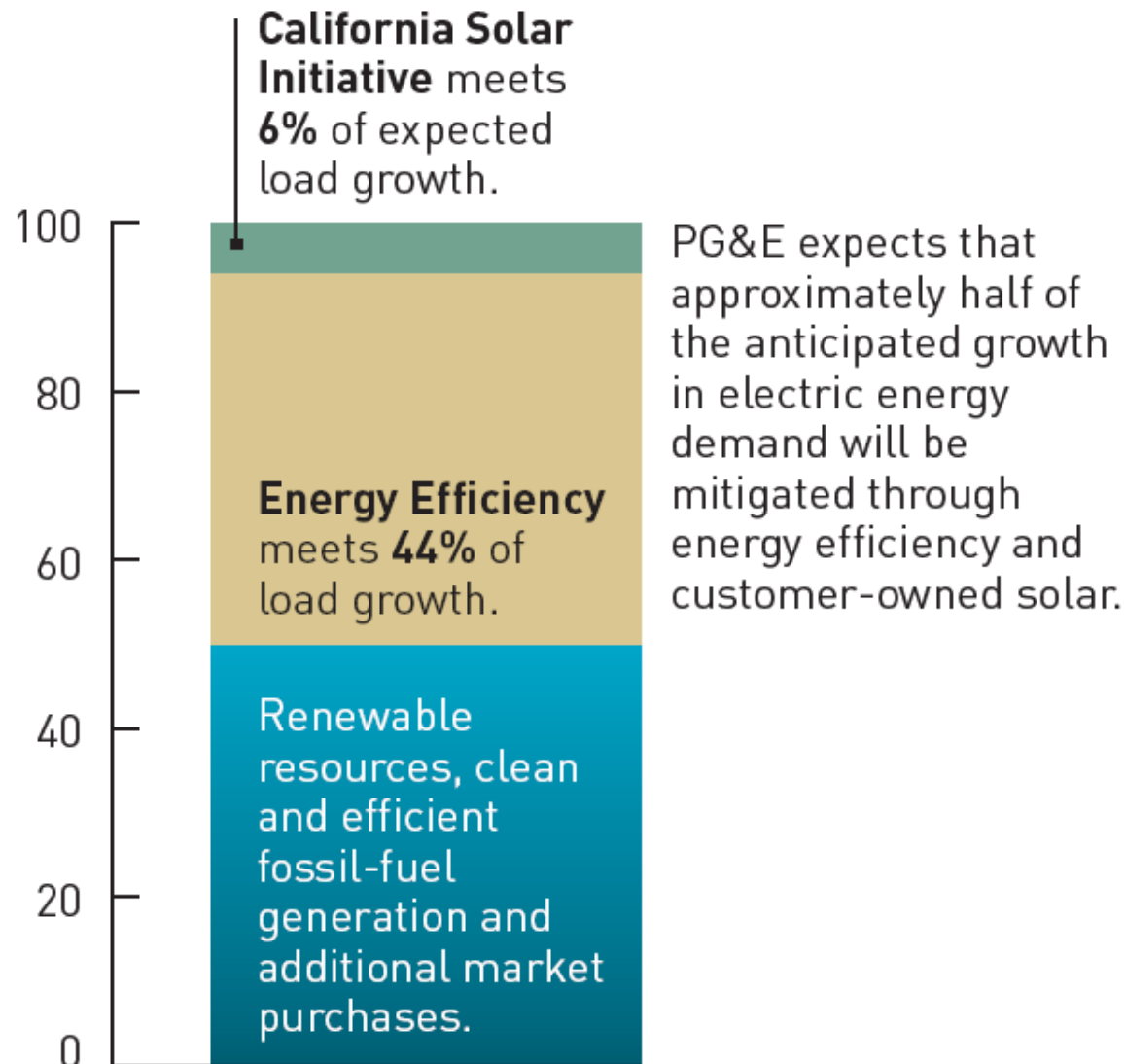
PG&E's Environmental Leadership Strategies

PG&E is committed to working with its customers to create a greener tomorrow by:

- Putting energy efficiency first
- Providing opportunities for customers to better manage energy use through demand response
- Increasing supplies of renewable energy
- Facilitating clean distributed generation, including rooftop solar
- Using innovative technologies
- Forming partnerships to combat global climate change
- Being transparent

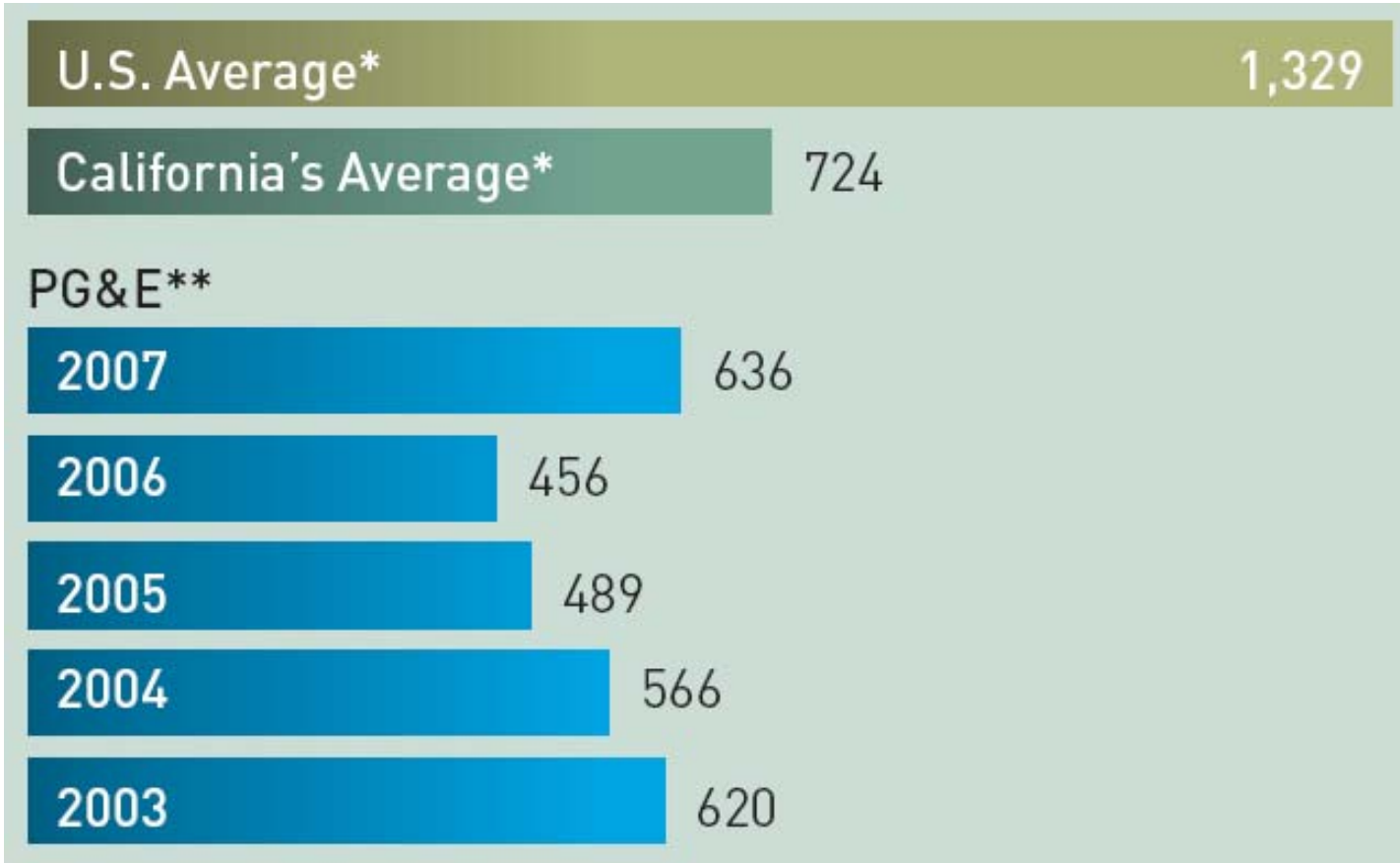


Projected Energy Load Growth Met by Demand-Side Resources, 2009–2018





Benchmarking Greenhouse Gas Emissions (pounds of CO₂ per MWh)

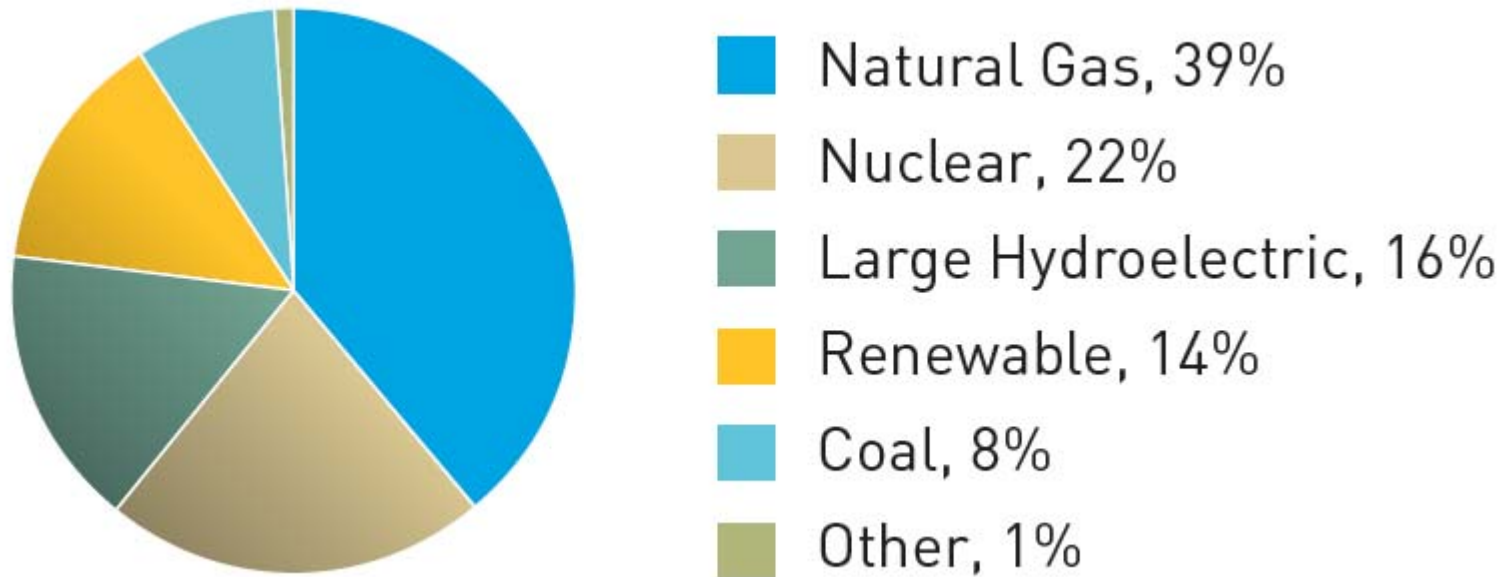


* Source: U.S. Environmental Protection Agency eGRID 2007 Version 1.1 (updated December 2008 and based on 2005 data).

** PG&E's emissions rates for delivered electricity were independently verified and registered with the California Climate Action Registry. Given that a portion of the electricity that PG&E delivers comes from unspecified generation sources, the company's total emissions, and associated emissions rates, may vary from registered figures.



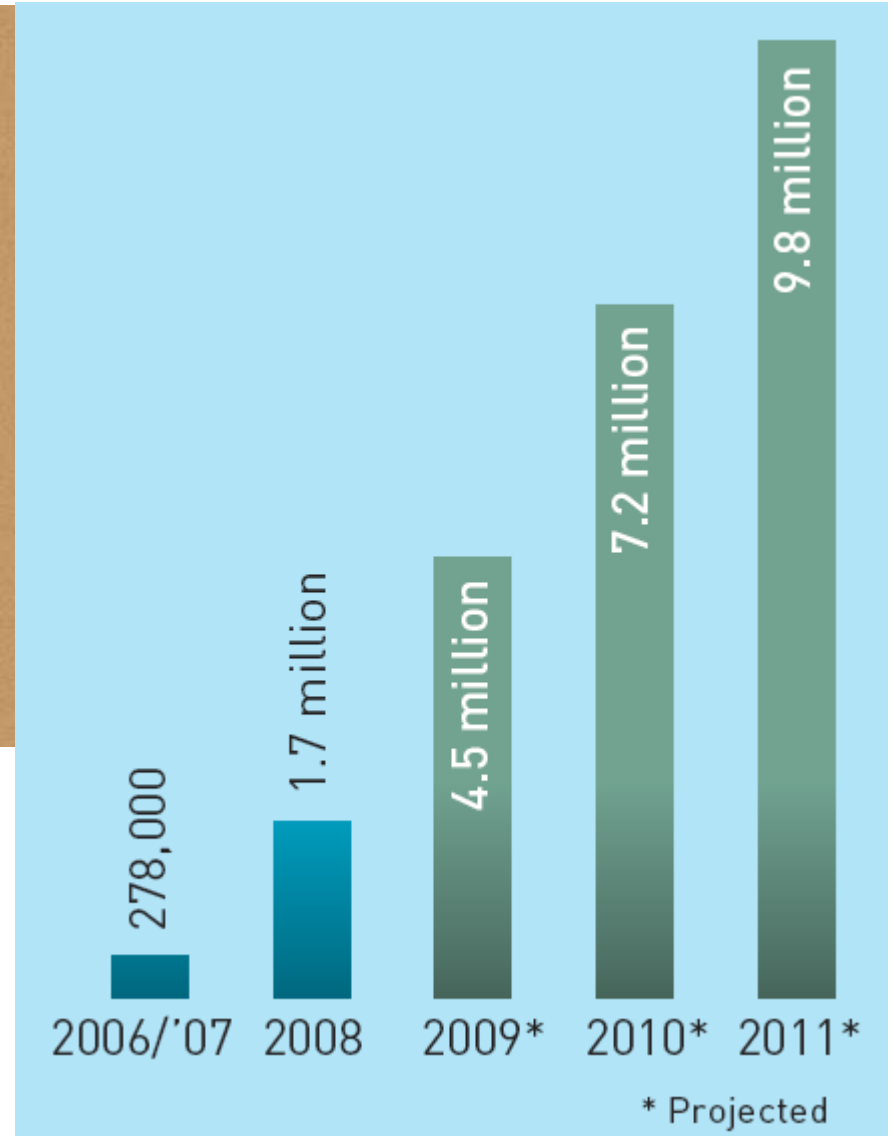
PG&E's 2008 Electric Power Mix



* PG&E purchased more electricity than usual from the wholesale market in 2008. California regulators require us to assume that a certain portion of these market purchases comes from coal-fired generation and renewable resources. As a result, the chart shows an increase in coal-fired generation, although PG&E's direct purchases of coal, which we are required to buy from small power producers, have not increased and remain at 1.7 percent. Additionally, 12 percent of PG&E's delivered energy came from Renewable Portfolio Standard (RPS)-eligible resources; the chart shows 14 percent, reflecting an additional 2 percent from open market purchases that do not count toward the state's RPS target. Source: April 2009 Power Content Label, consistent with PG&E's submittal to the CEC on March 2, 2009.



SmartMeter™ Installations





Results of Annual Employee Survey

Sustainability Measures*

84%

PG&E is accountable for protecting the environment.

80%

PG&E provides volunteer opportunities for employees to become more involved in the community.

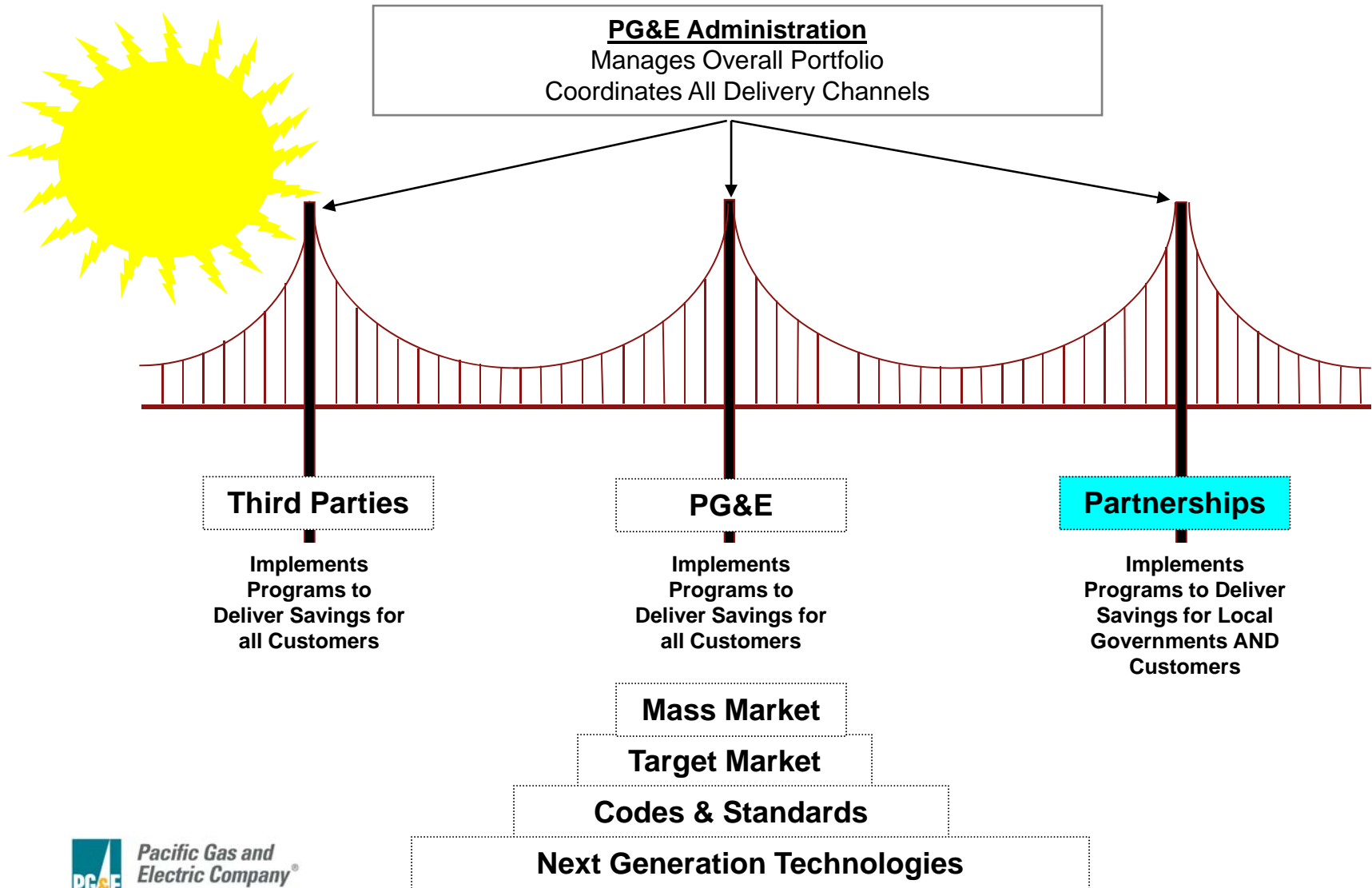
75%

PG&E is committed to having a positive impact on the communities where it does business.

* Percentage of favorable responses from 2008 survey.



Creating An Energy Efficiency Portfolio





Characteristics of Governments

- Bureaucratic
- Limited funding - seeking to leverage opportunities
- Limited staff capacity
- Longer lead times for projects
- Recognition is important
- Interest in partnerships
- Seeking energy resources for businesses and residents in their jurisdictions



Key Drivers and Influencers

- American Recovery and Reinvestment Act (ARRA)
- 2006 California Global Warming Solutions Act (AB32)
- SB 375 – Legislation to limit GHG emissions by curbing suburban sprawl and increasing transit-based development
- California Energy Efficiency Strategic Plan (CEESP)
- AB811/SB279 – Legislation to develop tax assessment districts for solar and energy efficiency



Utility-Government-Customer Perspective

■ Unique Government Roles

- Customer - Operator of municipal facilities
- Community outreach - Helping deliver PG&E programs to end-use customers
- Community leader - Encouraging residents and businesses within the community to take energy actions

■ Utility Programs to Target Roles

- Government building retrofits
- Government Partnerships
- Green Communities and Innovator Pilots



Government Building Retrofits

- **Leading by Example**
- **Comprehensive approach to facilities owned and/or operated by government**
- **Projects include**
 - Retrofits
 - Retro-commissioning (RCx)
 - Direct install, rebates, etc
 - Energy use benchmarks
 - Assessments and audits
 - Technical and financing assistance





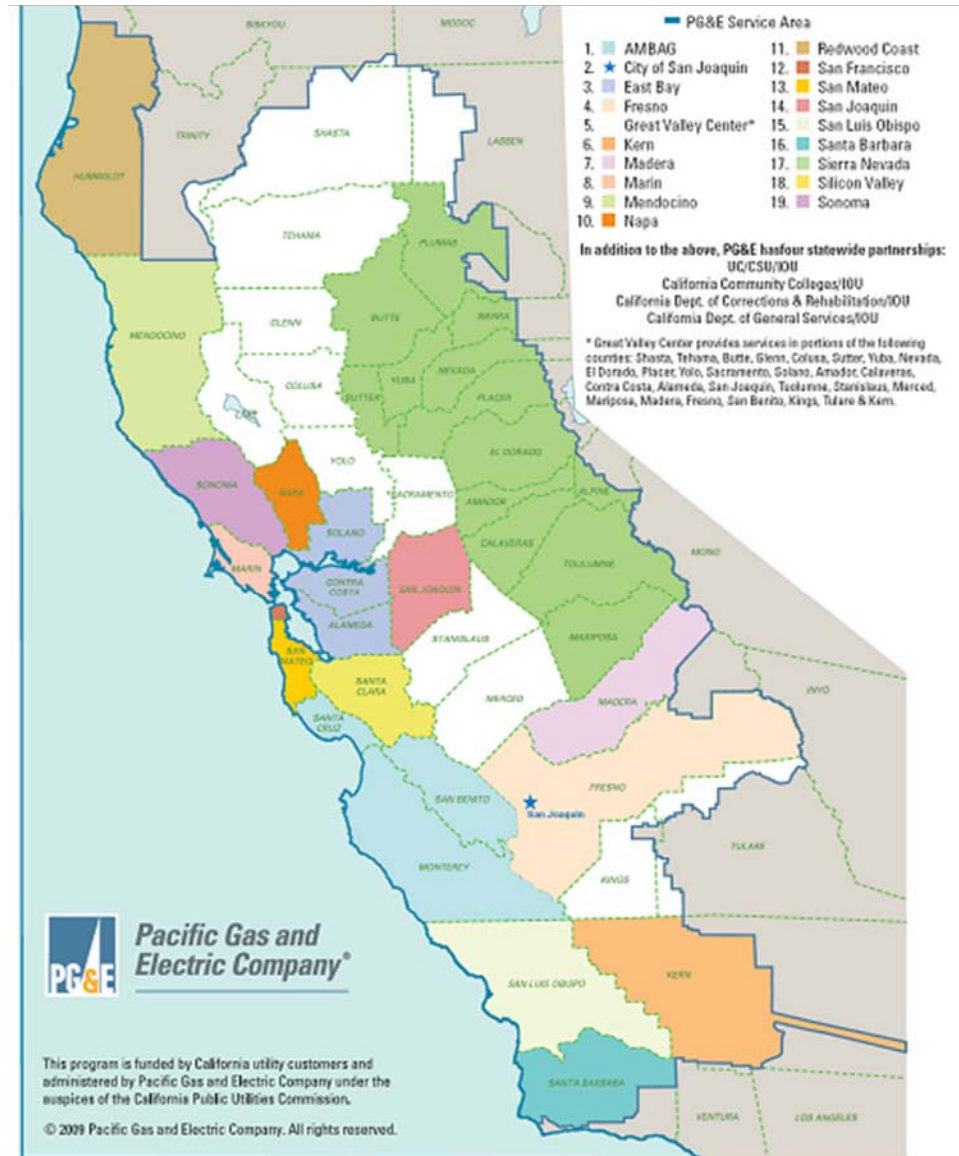
Local Government Partnerships

- **Delivery Channel to Community**
- **Providing energy efficiency to the community (via “Direct Install” program)**
 - **Single Family Residential**
 - **Multi-family residential**
 - **Small Business**
- **Marketing energy efficiency opportunities**
- **Hosting energy management training, education and outreach for the community**





Government Partnerships





Green Communities

- **Available to all local governments**
- **Builds capacity of local governments to engage in energy efficiency**
- **Provides support to local governments and communities to achieve energy savings and GHG reduction goals**
- **Services will include:**
 - Energy usage data
 - Web-based tool kits to plan GHG emission reduction actions
 - Peer to peer workshops





Innovator Pilots

- Available to all local governments
- Competitive program that will provide funding to advanced communities with creative approaches towards GHG and energy use reduction
- Selection criteria will include geographic diversity, commitment to EE and GHG reduction





Best Practices

- Leverage existing channels
- Recognize champions and leverage community leaders, including
 - Government
 - Business
 - Labor
 - NGO
 - Education
- Collaborate with Government Relations
- Help governments articulate jobs created as a result of EE activity in an area



Thank you!

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