# Joint Hearing Senate Committee on Energy, Utilities and Communications and Assembly Committee on Utilities and Commerce: The American Recovery and Reinvestment Act of 2009

Energy Efficiency, Smart Grid and ARRA

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# Our Guiding Principles for Energy Efficiency Economic Stimulus

- **Build on what's working**
  - Leverage existing program models and partnerships
- **Emphasize coordination with existing programs**
  - Ensure federally funded programs do not erode or supplant successful utility energy efficiency (EE) programs
- **Empower the customer**
  - Provide consistent information on ways to reduce energy use
- **Create transparency**
  - Clear tracking of all funding and transparent evaluation, measurement and verification (EM&V) of energy savings results
- **Plan for the future**
  - Use funding to jumpstart the next phase of California's EE leadership

# Energy Efficency and ARRA: What we know today

- **Most ARRA funds are not expected to flow directly to IOUs**
  - Ex: State Buildings, Federal Buildings, and Schools may receive funds for EE building improvements

- **PG&E will continue to serve as an advisor to its customers to implement more EE projects with IOU incentives**
  - Utilize existing program communication channels: State/Federal Partnerships, Local Government Partnerships, Schools Programs, etc.
  - Energy audits
  - Direct Install
  - Technical advisory services

- **PG&E is evaluating the feasibility and value of pursuing additional ARRA funds for use on California projects**

# ARRA: Key Recommendations for Energy Efficiency

- **Leverage existing IOU programs**
  - Using Stimulus funds to duplicate existing programs will cause customer confusion
- **Support coordination**
  - Allow current energy efficiency/low income energy efficiency funds to be coordinated with ARRA funds
- **Encourage Collaboration**
  - Adopt CPUC policies that encourage collaboration and/or recognize the impact of ARRA funded projects on EE goals
  - Allow IOUs to count the energy savings for our contributions in support of stimulus projects
- **Be aware of impacts**
  - The Stimulus funding may result in changes to the availability of EE resources and workforce to work on the IOU programs

# PG&E's Smart Grid Activities

- Smart grid is a way to help achieve California's key energy policy objectives – energy efficiency, demand response, renewable energy integration, reduced greenhouse gas emissions, robust and reliable transmission and distribution infrastructure
- PG&E and California are leaders in exploring the "smart grid"
  - PG&E Smart Meter project 2006-2012: 9 million meters to be home area network enabled
  - Demand response programs
  - Dynamic pricing
- PG&E's Smart Grid Team is actively evaluating additional smart grid projects and programs to build on California's leadership
  - CPUC Smart Grid rulemaking
  - Energy Commission smart grid RFPs
  - Home Area Network support for "smart appliances"
  - Electric vehicle "smart charging"
- California should get "fair share" of $4.5 billion federal stimulus matching funds for smart grid projects