



## **California Energy Commission**

### **Staff Workshop on *Defining the Pathway to the California Smart Grid of 2020 RFP***

Contracting Opportunity Notice (CON 500-08-501)

**August 5, 2008 - 10:00 AM – 4:00PM**

**Location:** California Energy Commission  
Hearing Room A

1516 9<sup>th</sup> Street, Sacramento, California 95814

Contact: Mike Gravely 916-651-0316, or Dave Michel 916-653-3024

#### **AGENDA**

10:00 AM **Opening Comments (Mike Gravely)**

**CPUC Comments (Marzia Zafar)**

**Defining the Pathway to the California Smart Grid of 2020 (Mike Gravely)**

- Identify key smart grid drivers, including the top California energy policy goals that impact the California smart grid of 2020.
- Definition of the key elements of the smart grid for California in 2009 and 2020 to include identifying the critical standards, codes, protocols and reference designs that California needs to address for a successful smart grid in 2020.
- Identify cost-effective smart grid technologies that need to be encouraged and identify the critical use cases that should be developed to explain how these technologies will be utilized as part of the California smart grid of 2020.
- For key technologies, identify critical barriers necessary to overcome to meet the proposer's definition of the California smart grid of 2020. The proposer should plan on providing recommended courses of actions to address the identified barriers.
- Identify and qualify potential costs and benefits for key items in both the 2009 and 2020 proposer's smart grid definitions.
- Develop pathways and deployment plans for cost effective smart grid technologies for California as the proposer feels they currently exist for 2009 and the technology recommendations for 2020.
- As a minimum, the proposer must address the integration and implementation of: transmission and distribution smart grid technologies, advanced metering infrastructure, home area networks, plug-in hybrids, renewable integration at all levels (generation, transmission, distribution and end use), energy storage technology applications at all levels (generation, transmission, distribution and end use), one-way and two-way communication to support smart grid operations, and other technologies the proposer feels is critical to the California smart grid in 2020.
- The proposed contract level of effort required to accomplish all these tasks in the desired six to nine month time period.
- The amount of proposer cost share that is reasonable for this contract and the impact on potential responders if the required costs share in the RFP is considered

too high.

- The acceptable definition of a proposal team to meet the two categories (utility or commercial industry team) will be reviewed for commenting during the workshop.

12:30 PM **Lunch** (60 minutes)

1:30 PM **Open Discussion on Smart Grid**

- **SDG&E, *Defining the Pathway to the California Smart Grid***- Terry Mohn (15 minutes)
- **SCE,-TBD** (15 minutes)
- **EPRI, *California Smart Grid Study***-Angela Chuang (15 minutes)
- **EnerNex Corp.**-Erich Gunther (10 minutes)
- **GTI, *Consumer Benefits for Integrated Energy Systems in the California Smart Grid of 2020***:-Susan Patterson (5 minutes)
- **UtiliPoint International, Inc., *A Pathway to the California Smart Grid of 2020*** Ethan L. Cohen via Webex (5 minutes)
- **Capgemini, *Smart Grid Thoughts***-Meir Shargal (5 minutes)
- **Quanta Technologies-*Smart Grid***-Luther Dow (5 minutes)
- **KEMA, *Smarter Grids for California and the Planet***-David Korinek (5 minutes)

**Public Comments**

4:00 PM **Closing Comments**

Note: (Workshop will continue, if necessary, to complete the presentations and public comments)