

***CPUC Workshop:
Access to Electricity Prices & Usage
PG&E's Perspective***

Andrew Tang

Senior Director

Integrated Demand-side Management Products

Pacific Gas and Electric Company



Committed to Protecting Customer Privacy

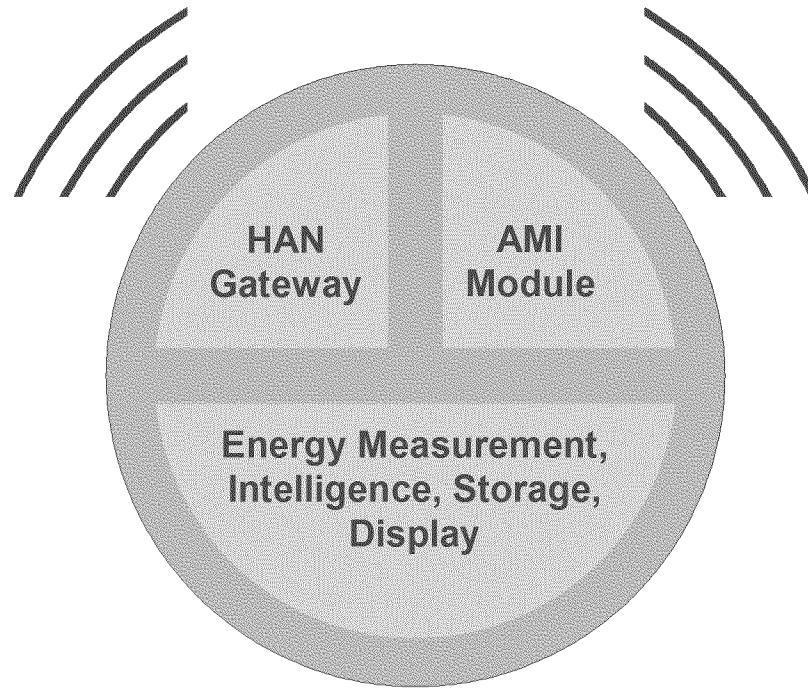
- Longstanding customer privacy rules and laws
- PG&E will not release confidential information
- Existing customer privacy rules should be the basis of third-party access rules
- Data security must be assured before PG&E can implement third-party access to customer data
- SmartMeter™ provides a secure technology foundation
- National data security standards are a necessary condition for assuring secure third-party access to customer data

SmartMeter™ Secure Technology Foundation



Customer Energy Management Network

- Provides secure, near real-time data into the customer premise
- Only customer and in-premise devices have direct access to this data source



SmartMeter™ Communications Network

- Periodic two-way, secure communications with utility
- Customers can access data on a day-after basis with secure password



Open Automated Data Exchange (ADE) Standards

- Active OpenADE working group
- Initial system requirements have been defined
- Ongoing discussions on implementation architecture



Next Steps

- Reaffirm existing CPUC customer privacy standards
- Finalize national standards for data security (e.g. Open ADE)
- Implement third-party and customer access based on established security standards, technical feasibility, cost-effectiveness, and customer value
- Authorize necessary utility investments and cost-recovery for any new programs