



Houston's Smart Grid:

Transforming the Future of Electric Distribution & Energy Consumption

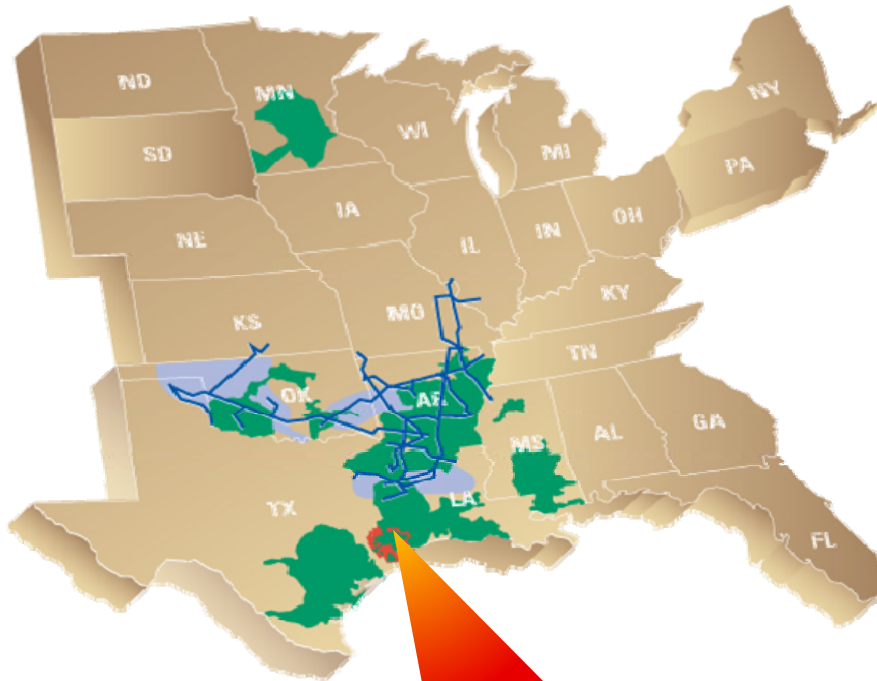
Panel Discussion to NARUC
November 15, 2010

Kenny Mercado

Senior Vice President, Regulated Operations Technology



Who is CenterPoint Energy?



- Electric Transmission & Distribution
- Interstate Pipelines
- Field Services
- Natural Gas Distribution
- Competitive Natural Gas Sales & Services

Electric transmission and distribution

- 2.2 million metered customers in Houston area
- 16.3 GW peak demand

● **Advanced Metering System**

- 750,000 smart meters deployed
- Smart Meter Texas portal deployed
- Meter accuracy was validated by PUCT/Navigant Consulting

● **Benefits achieved**

- 600,000 meters being read for billing electronically
- 400,000 service orders completed electronically
- Average electronic service order execution time is 30 minutes
- 100 HAN devices deployed and functioning

● **Project is on Schedule**

- \$200M DOE grant accelerated project completion from 2014 to 2012
- 2.2 million meters will be deployed by mid-2012

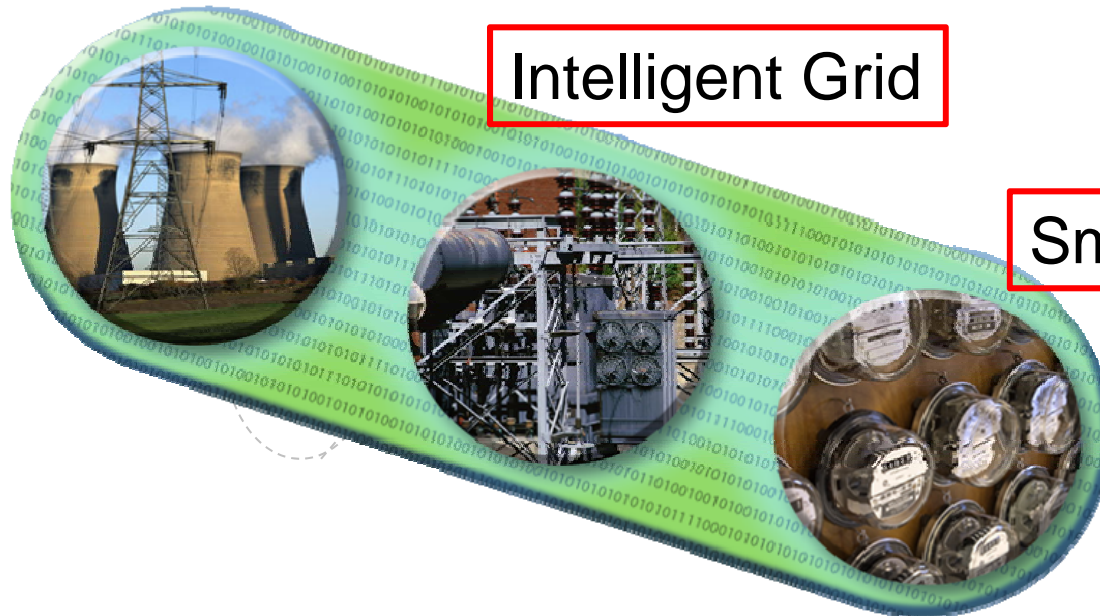
Three Components of a Smart Grid



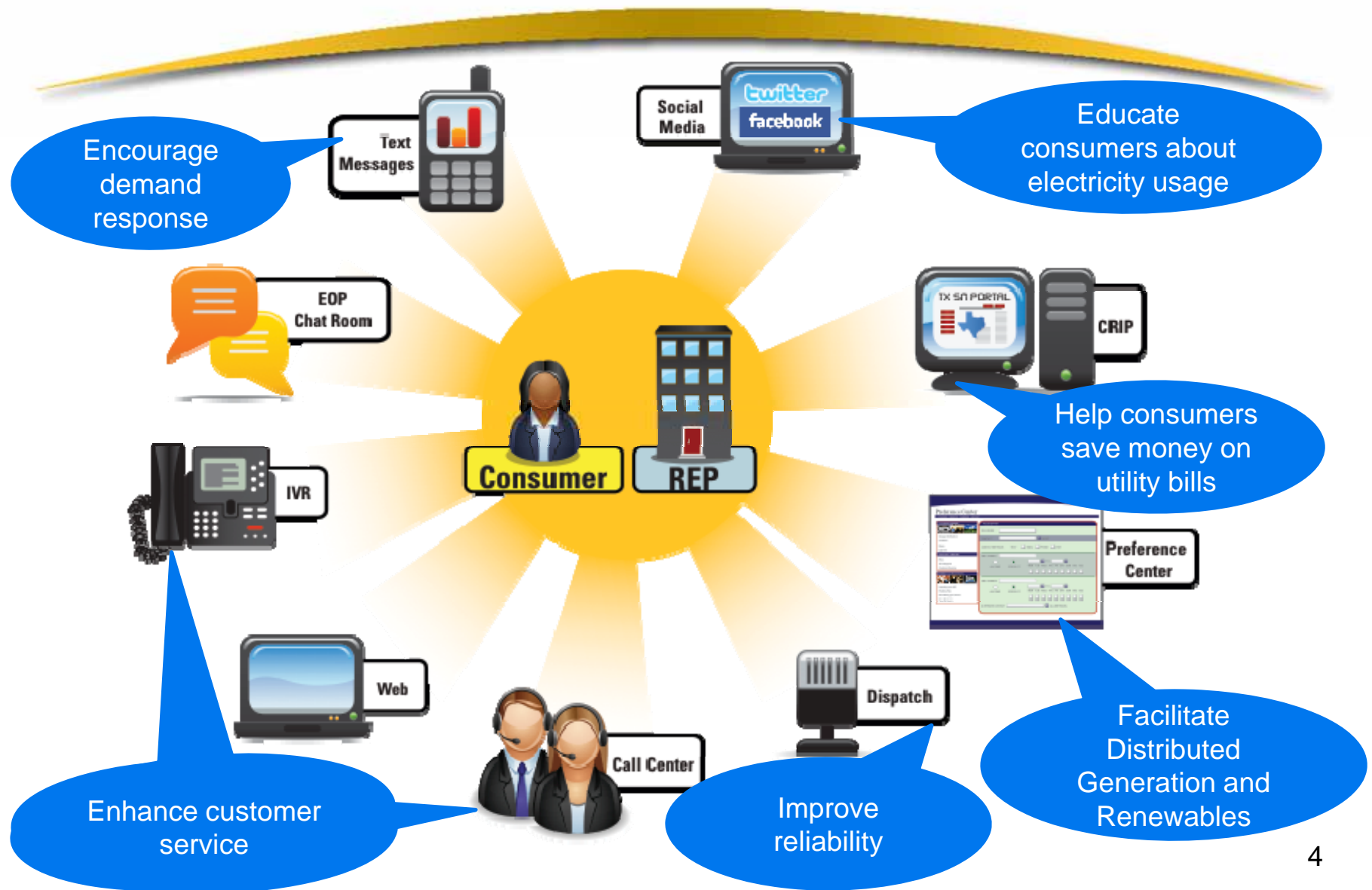
Expanded Energy Sources

Intelligent Grid

Smart Meters

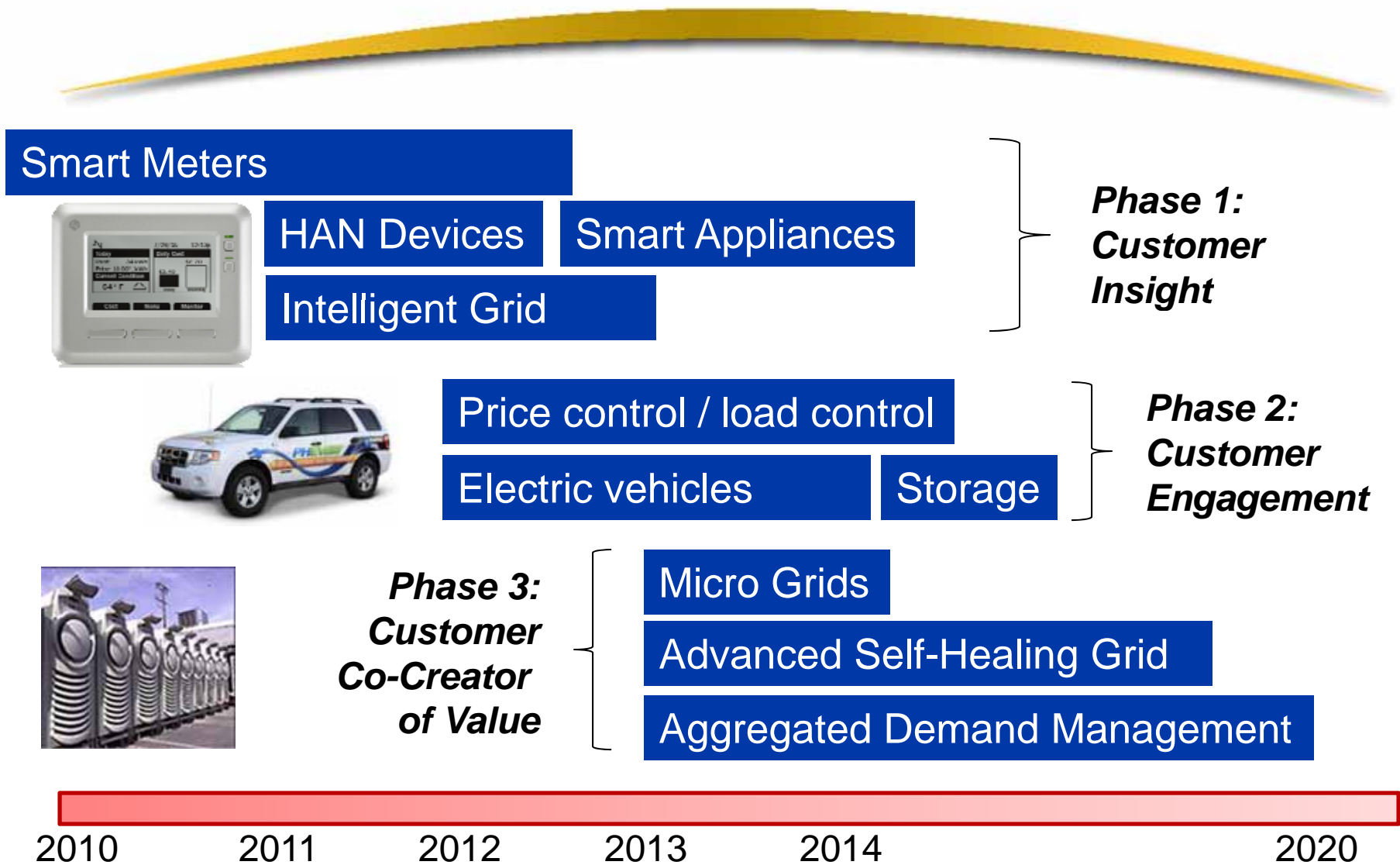


The Customer is Central to Enable a More Robust Market



What's Next?

Smart Meters Are Just The Beginning



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Appendix

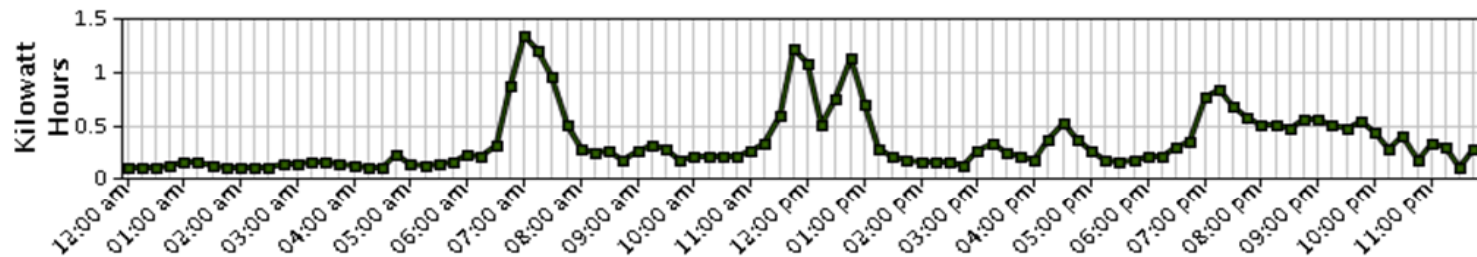
Smart Meter Customers Can View Their Usage Online

www.SmartMeterTexas.com



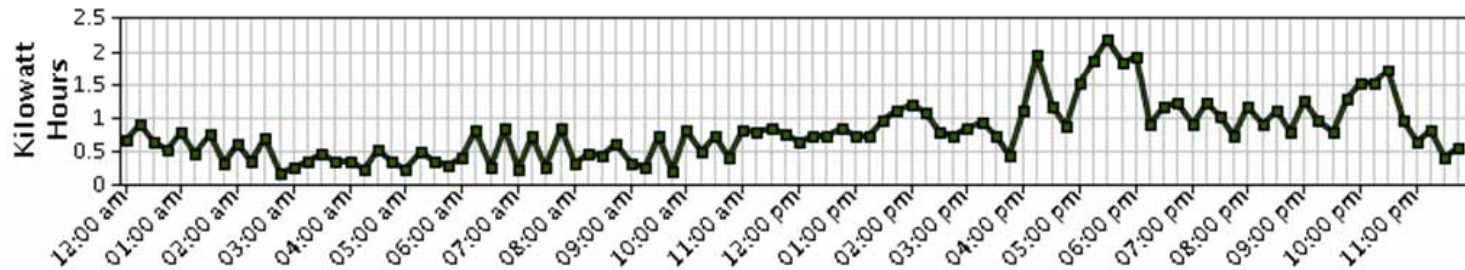
March 9, 2010

Use of Electricity Each 15 Minutes



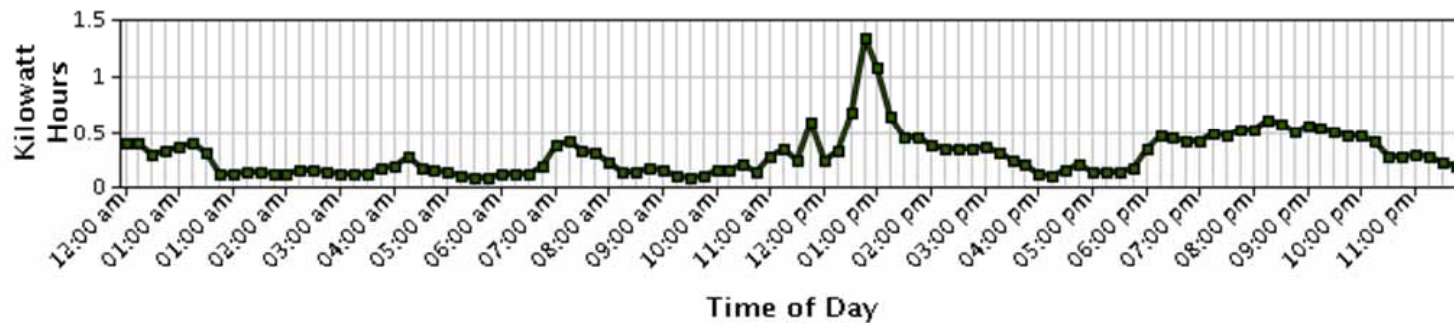
July 7, 2010

Use of Electricity Each 15 Minutes



November 7, 2010

Use of Electricity Each 15 Minutes



Smart Meter Customers Can Synch Devices to our System

