The Smarter Grid

Bob Borzillo, Vice President of Smart Cities, Itron
IDENTIFYING STATE STRATEGIES TO ENABLE SMART TECHNOLOGY DEPLOYMENT

BOB BORZILLO | VICE PRESIDENT SMART CITIES BUSINESS DEVELOPMENT | ITRON
THE UTILITY DILEMMA

AGING INFRASTRUCTURE

- **GAS PIPELINE** (Age by decade):
  - 24% 1960s
  - 11% 1990s
  - 11% 1970s
  - 10% 1980s
  - 9% 2000s
  - 8% 1940s
  - 4%
  - PRE1940s

WORKFORCE GAPS

- **ELECTRICITY DISTRIBUTION SYSTEM**
  - $24 BILLION ANNUALLY of electricity T&D a year lost in the US*

- **WATER DISTRIBUTION SYSTEM**
  - 2 TRILLION GALLONS of water a year lost in US annually*

- **50% OF THE NATION’S utility workforce will retire in the next five to 10 years**

Sources: *US Dept. of Energy, AWWA, US Dept. of Labor*
THE ENERGY LANDSCAPE IS EVOLVING

- Internet of Things
- Integrating Distributed Energy Resources
- Water Efficiency
- Gas Safety
- Greater Customer Expectations
- Evolving Utility and City Revenue Models
...AND THE VISION FOR CONNECTED ENERGY & COMMUNITIES IS GETTING BROADER
IIoT Applications Are Making an Impact Today

- Pole Sensor
- Methane Detection
- Traffic Monitoring
- Water Leak Detection
- Acoustic Gunshot Detection
- Dynamic Lighting
HURRICANES HARVEY & IRMA
"The fastest restoration of the largest amount of people by any one utility in U.S. history."

– Eric Silagy, President and CEO, Florida Power & Light
How Can We Work Together Today?

NEW REVENUE & FUNDING MODELS

SHARED NETWORKS BUSINESS MODELS

REGULATORY OVERSIGHT

PREPARING TODAY FOR TOMORROW
WE’RE STANDING ON THE EDGE OF WHAT’S POSSIBLE