

# Smart Metering

Rick Coronado

Assistant Director, Pipeline Operations

# What is a Smart Meter?

- Able to transmit data, including meter reads
- Communication may be:
  - AMI (fixed data network) or AMR (drive by)
  - RF or Cell
  - One-way or two-way
  - At preset time (hourly, daily, monthly) or on-demand
- May or may not be advanced measurement technology

# Examples

**innov8-VN**



**SENSUS**

IPERL



Badger Meter | HR | E High Resolution Encoder



# Current Austin Water Efforts

- Partnering with Pecan Street since 2012
  - Austin Water installing meters for Pecan Street
  - Pecan Street gathering transmitted data
  - Austin Water continuing to read visually for billing
  - Installing third type of smart meters/registers
- Preparing pilot project in River Place
  - Installing 150 smart registers
  - Going to collect data through cell network

# Future Prospects

- Austin Water implementing smart meters
- Benefits:
  - Eliminate manual meter reading
  - More timely reads
  - Better information for customers
  - Improved water loss tracking
  - Potential integration with leak detection sensors

# Future Prospects

- Challenges:
  - Cost
  - Interoperability
  - Rapidly evolving technology
  - Battery life & warranty of devices
  - Integration with CC&B
  - Training

# Questions?