

Federal Utility Partnership Working Group
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Utility Metering

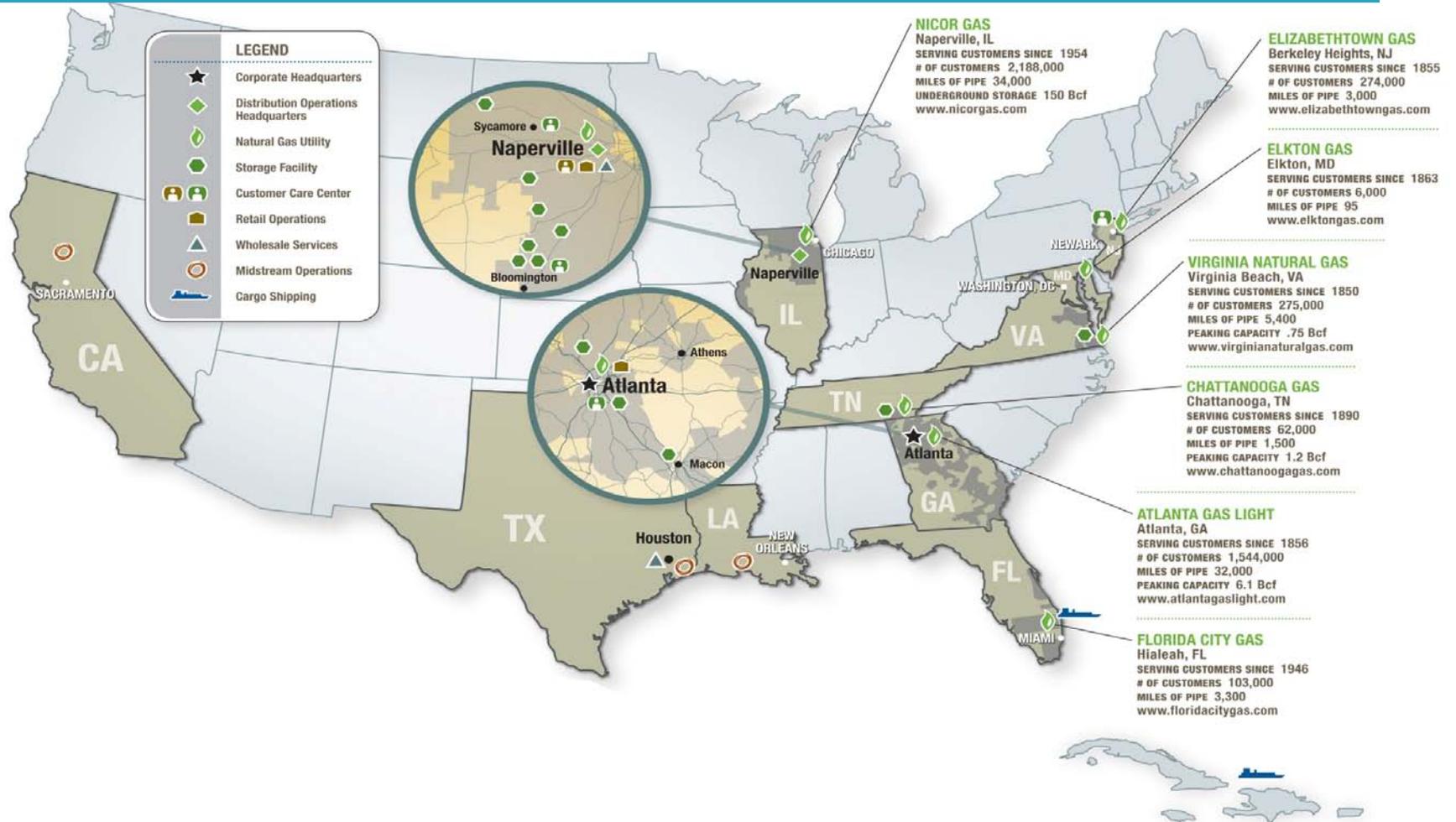
AGL Resources

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Hosted by: Pacific Gas and Electric Company

AGL Resources Overview



AGL Resources Metering

- ▶ Multiple LDCs with **legacy metering equipment**
- ▶ Several use **Itron 100G technology**
 - Mobile, once-a-month data collection
 - Meter can store interval data for >30 days
 - Meter technology could be leverage on fixed-base network, however there are no current plans for upgrade
- ▶ Technology for **capturing interval data** is installed on case by case basis
 - Customers on Interruptible Rate
 - Large users

Interruptible rate customers

- ▶ **Electronic corrector installed on the meter**
 - Pressure and Temperature compensation
- ▶ **Typically data is retrieved once a day**
 - Transmission frequency impacts battery life
- ▶ **Interval data is stored on utility server**



Large users

- ▶ **Remote Terminal Units (RTU)** installed for real time data transmission
 - Hard wired connection with dedicated phone line
 - Electricity provided by utility or Solar PV
- ▶ **Data can be collected on a 15-minute interval and is stored at utility server**



How can AGL Resources help meet Federal metering goals?

- ▶ Provide interval data for efficient operations
- ▶ Metering solution can be customized to facility needs
- ▶ Cost effective, flexible solution (estimates only)
 - Non-corrected meter pulse only connectivity starting at \$700 per meter
 - Corrected meter outputs starting at \$1,500 to \$3,000 based on existing metering equipment
 - Real-time meter reading pricing based on site review
 - Note: Pricing based on customer having own energy management system. Does not cover ongoing maintenance of equipment

Questions?

