We keep life flowing®

AMERICAN WATER

Asset Management Best Practices and Water Quality Accountability

NARUC Summer Policy Summit
July 22, 2019
Capital Intensity and Fragmented Industry

Number of U.S. Systems in Operations by Utility Type

- Electric: 2,000
- Gas: 2,545
- Wastewater: 19,739
- Water: 52,000

Net Plant per Dollar of Revenue Comparison

- Water
- Electric
- Gas
Regulated Business Key

FOOTPRINT
Regulated Business
3.4 million customers
16 states
1,600 communities
302 water systems
157 wastewater systems

ASSETS
as of December 31, 2018
51,000 miles of pipe
235,000 pieces of production equipment
81 surface water treatment plants
530 groundwater treatment plants
1,000 groundwater wells
1,300 water storage facilities
1,400 pumping stations
130 wastewater plants
80 dams
In 2018, we invested $1.5 billion in capital investment in our Regulated Businesses, the majority for infrastructure improvements and replacements, particularly in our distribution systems.
Water Filtration Plant
North Lift Station Replacement

Before

After
South Lift Station Replacement

Before

After
AW’s Capital Planning and Budgeting Process

- Asset Investment Strategy
- Comprehensive Planning Studies (CPS)
- Develop Portfolio of Projects
- Needs Based Prioritization of Projects
- Prioritization of Non-CPS Recurring Needs & Projects
- Asset Management Plans (AMP)
- Investment Projects
- Recurring Projects
- Development of Capital Plan

Future Process:
- Investment Projects
- Recurring Projects
Joplin, MO (May, 2011)

Coastal NJ (Oct, 2012)
Discussion
Asset Management Best Practices and Water Quality Accountability

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Asset Management Best Practices and Water Quality Accountability

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Capital Intensity and Fragmented Industry

Number of U.S. Systems in Operations by Utility Type

- Electric: 2,000
- Gas: 2,545
- Wastewater: 19,739
- Water: 52,000

Net Plant per Dollar of Revenue Comparison

- Water: 4.50
- Electric: 3.00
- Gas: 2.00
**FOOTPRINT**

Regulated Business

3.4 million customers
16 states
1,600 communities
302 water systems
157 wastewater systems

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**ASSETS**

as of December 31, 2018

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South Lift Station
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Before

After
South Lift Station Replacement

Before

After

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