Oklahoma City Utilities: Water for a City on the Rise
Oklahoma’s Droughts

Annual Precipitation History with 5-year Tendencies
OK-CD5 (5-Central): 1895-2017

- Wetter periods
- Drier periods
- Annual precipitation value
Lake Atoka Spillway

- Over 35 inches of rain during May 2015
- Peak spillway flow over 400 million gallons per hour
• Damage caused by May 2015 rain

• Repair cost nearly $30 million
Tornado approaching the Draper Water Treatment Facility in 2013
Hefner-Draper Interconnect

- Provide high quality, reliable, resilient water service
- Assure continuity of service to all of OKC
- Immediate outage response
Facility and Infrastructure

- Treatment facility and pumping system improvements
- Standby generators
- Replacing aging pipelines
- Automatic pressure regulating system
Asset Management Program

- First phase is the condition assessment of our critical assets
- Provide data to help prioritize our $2.5 billion CIP
- Goal: Proactive management of aging infrastructure
Water Conservation Program

[Images of water sprinklers and a calendar with days shaded for water conservation]

[Calendar with shaded days for water conservation]
Treated Wastewater Recycling

- Electric Power Generation
- Golf Course Irrigation
Climate Change and Rating Agencies

- Insurance companies: high percentage of U.S. municipal bonds
- Industry approach to climate change evolved
- Water utility industry must adapt to the changes
Climate Risk and Credit Risk

- Utility’s operational risk management assessment
- ESG - environmental, social, and governance factors
- Is the water utility preparing for climate change??
Legal Considerations

- Inverse condemnation action
- Liability exposure due to failure to prepare
- Water utilities sued following wildfires
- Not just public health ... also public safety
Risk Mitigation Strategies

- Vulnerability Assessments & Response Plans
- Long-term Capital Planning
- Secure Information Systems
- Financial Strength
- Compliance Inventory & Plans
- Employee Training
Sustainability and Affordability

- $1.5 Billion in debt within the next 10 years
- Balance sustainability and affordability
- Rate equity
- Regional water provider