Oklahoma City

Common Challenges
Common Goals

Marsha Slaughter
Oklahoma City Utilities
Common Goals, Common Challenges

- Water Utilities are Alike
- Oklahoma City Utilities
- How We Plan
Common Challenges

- High-volume, low-price commodity needed to sustain life
- Meeting payroll
- Meeting regulations
Common Goals

- Ample water supply
- Reliable delivery
- Affordable rates
Water’s Economic Impact

- No water = no jobs
- Water capacity critical for future growth & business development
Oklahoma City

One Well in April 1889

Oklahoma City citizens in 1889
Oklahoma City 121 years later

- 621 square miles
- About 560,000 citizens
- More than 1.2 million in metro area
Central Oklahoma Economy

- GMP more than $57.1 Billion
- 33% of the state’s population
Oklahoma City Water Utilities Trust

- 5,300 miles of water & sewer pipe
- 4 water supply lakes
- 8 treatment plants
Regionalization

• Goal set in 1990
• Value in sharing expensive infrastructure
Planning for the Future

Capital Investment

- Renewal and Replacement
- Growth and Development
Intergenerational Planning
Capital Planning

• Strategic process engineering
• 20-year capital plan
Legend
- Problem Areas
- Ward
- Transmission
  - 5-Year CIP
  - Future CIP

NORTHWEST PRESSURE AREA
Proposed Water System Improvements

- Surrey Hills low pressure during summer demand (20 psi)

- Future CIP

- Hefner WTP Expansion
Unable to maintain tank level in heavy demand periods due to low suction pressure to Booster Station 14 (less than 20 psi in peak)

Future Booster Station and Ground Storage Tank

Low Pressure year round (40 psi)
Atoka Pipeline

- From Atoka Lake to Draper Lake
- 100 miles long, 60-inch diameter
- Nearly 50 years old
Common Challenges

Funding the Future

• Revenue requirements forecast
• Adjust the capital plan
# Financial Planning Output

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<th>PayGo</th>
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Planning for the Future

Metro-Area Infrastructure

Potential Source Waters

Shawnee Twin Lakes
Atoka
Sardis
Hugo
Kiamichi River
Existing Atoka Pipeline

Shawnee Twin Lakes
Arcadia
Oklahoma City
Midwest City
Del City
Moore
Shawnee
Stanley Draper
Lake Thunderbird

Existing Pump Stations

McGee Creek
Sardis
Kiamichi River
Hugo

Chickasha
Noma
Oklahoma City
Norman
Edmond
Del City
Mustang
Arcadia
Stanley Draper
Lake Thunderbird

Metro-Area Infrastructure

Potential Source Waters
Oklahoma City

One Well in April 1889

Oklahoma City citizens in 1889
Oklahoma City

Marsha Slaughter
Director, Utilities Department
The City of Oklahoma City
“Whiskey is for drinking. Water is for fighting over.”

Mark Twain