“I NEVER MET AN OKLAHOMA WATER FUTURE I DIDN’T LIKE”
No strangers to Tribes, Water, Design Build, Municipalities, ODEQ, EPA, or USACE Policies and Procedures

- 130 Combined Staff
- Oklahoma Owned
- All Disciplines in House
- $35 Million Revenue
- Tribal Experience
- Design Build Expertise
- Recognized Water Experts
- Community/State Water Experience
FUTURE REUSE

- IMPROVED TECHNOLOGY
FUTURE REUSE

• IMPROVED TECHNOLOGY
FUTURE REUSE

- IMPROVED TECHNOLOGY
- DROUGHT
FUTURE REUSE

- IMPROVED TECHNOLOGY
- DROUGHT
- OKLAHOMA COMPREHENSIVE WATER PLAN
FUTURE REUSE

• IMPROVED TECHNOLOGY
• DROUGHT
• OKLAHOMA COMPREHENSIVE WATER PLAN
• ORGANIZATIONS, CONFERENCES, AND REGULATORY ACTION
FUTURE REUSE

- IMPROVED TECHNOLOGY
- DROUGHT
- OKLAHOMA COMPREHENSIVE WATER PLAN
- ORGANIZATIONS, CONFERENCES, AND REGULATORY ACTION
- PROVEN PROJECTS
  - CHICKASHA-OSU
  - ENID-KOCH
  - OKC-REDBUD POWER
  - GUYMON
WATER FUTURE 1949
WATER FUTURE - 1949
DEATHS PER 100,000
WATER FUTURE 1960s-1970s
WATER FUTURE 1960s-1970s
WATER FUTURE 1970s-1980s
WATER FUTURE

OKLAHOMA
PROJECT DAMS CONSTRUCTED BY YEAR

Source: 1999 NRCS Dams Inventory  Total Project Dams = 2087
WATER FUTURE 1960s-1970s
WATER FUTURE

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WATER FUTURE - 1980
WATER FUTURE - 1995
OLD MAN PERSPECTIVE
Oct 5

OWRB FOUNDED
Jan 18

ATOKA CONVEYANCE
Jan 1

BEATLES INVASION
Dec 7

WOODSTOCK
Jun 20

EPA & ENVIRONMENTAL MOVEMENT
Jan 1

MAN ON THE MOON
Jul 20

PL 92-500
Oct 18

GOLDEN AGE OF RESERVOIRS
Jan 1

NOTHING
Jan 1

GOOD OLE DAYS REV 2
Jan 1

GOOD OLE DAYS
Jan 1

Today
WATER FUTURE - TODAY

WATER AND WASTEWATER
IMPROVEMENTS

SHAWNEE MUNICIPAL
AUTHORITY
WATER FUTURE 2000 +
WATER FUTURE 2000 +
2060
2060 RESERVOIR VIABILITY

FIGURE 8 - MAP OF ALL SITES
2060 RESERVOIR REALITY

26 MONTHS
2060 RESERVOIR REALITY
2060

WATER FOR 2060
EFFICIENCY • CONSERVATION • RECYCLING • REUSE
Reuse—Every Single Drop...
27. Wastewater Reuse
FUTURE REUSE

• IMPROVED TECHNOLOGY
• DROUGHT
• OKLAHOMA COMPREHENSIVE WATER PLAN
• ORGANIZATIONS, CONFERENCES, AND REGULATORY ACTION
• PROVEN PROJECTS
• LOGIC WILL PREVAIL
2060

- THE DAYS OF CHEAP WATER ARE OVER
• THE DAYS OF CHEAP WATER ARE OVER
• PRODUCED WATER WILL BECOME AN ASSET
THE DAYS OF CHEAP WATER ARE OVER
PRODUCED WATER WILL BECOME AN ASSET
BRACKISH WATER IS PROBLEMATIC
2060

- The days of cheap water are over
- Produced water will become an asset
- Brackish water is problematic
- Few (if any) new reservoirs
2060

- The Days of Cheap Water Are Over
- Produced Water Will Become An Asset
- Brackish Water is Problematic
- Few (If Any) New Reservoirs
- Regionalization Has Benefits
2060

- The days of cheap water are over
- Produced water will become an asset
- Brackish water is problematic
- Few (if any) new reservoirs
- Regionalization has benefits
- Conveyance is in our future
• THE DAYS OF CHEAP WATER ARE OVER
• PRODUCED WATER WILL BECOME AN ASSET
• BRACKISH WATER IS PROBLEMATIC
• FEW (IF ANY) NEW RESERVOIRS
• REGIONALIZATION HAS BENEFITS
• CONVEYANCE IS IN OUR FUTURE
• TRIBAL COLLABORATION CAN PRODUCE SUSTAINABLE VALUE

2060
THE DAYS OF CHEAP WATER ARE OVER
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TRIBAL COLLABORATION CAN PRODUCE SUSTAINABLE VALUE
“I never met an Oklahoma water future I didn’t like.”