

Water Quality Study



WATER QUALITY STUDY BACKGROUND AND NEED

- Significant effort is required for Water Utilities staff to maintain sufficient disinfectant residual.
- Black and Veatch demonstrated that chemical addition at the WTP will help disinfectant last longer.



WATER QUALITY STUDY BACKGROUND AND NEED

- A project is needed to:
 - Maximize disinfectant residual and stability after leaving the WTP.
 - Ensure that all ODEQ regulations can be met efficiently and cost effectively.



WATER QUALITY STUDY SOLUTION

- Water Quality Study:
 - Comprehensive sampling profile
 - *Partner with Oklahoma State University Environmental Science Graduate Program*
 - Analysis of existing distribution system
 - Plan for improving water quality
 - Rebuild the City's water model

Strategic Priority #4 < Place and Mobility

To develop a strong sense of place that recognizes the interconnectedness of people, buildings and public systems (such as transportation, utilities and parks) that best serve the needs of the public.



Recommended Action/ Motion

- Authorize staff to execute a Professional Services Agreement with Black and Veatch in an amount not to exceed \$840,000.
- Authorize water model software expenditures in an amount not to exceed \$40,000.
- Authorize \$970,000 in total project expenditures, which includes 10% contingency.