



ORDINANCE NO. 230533

Regulatory Compliance and Capital Improvements Planning Optimization

Authorizing a \$4,600,000.00 Design Professional Services Contract with Burns & McDonnell Engineering Company, Inc., for Regulatory Compliance and Capital Improvement Planning Optimization.

July 12, 2023

Transportation, Infrastructure & Operations
Committee



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Regulatory Drivers:

- Missouri Department of Natural Resources (MDNR) developing more stringent wastewater treatment plant permit limits for phosphorous and nitrogen
- Decision by the end of 2023
- Impact to all 6 of the City's wastewater treatment plants at a preliminary total projected cost of \$1 billion



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

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Result:

- City must assess the potential impact of heavy financial burden from MDNR policy on planned Smart Sewer Program projects to maintain affordable resident utility rates
- City will discuss with State and Federal agencies the prioritization of required projects and implementation schedules to achieve regulatory compliance
- Professional technical and utility financial affordability analyses will be required like those for the previous third consent decree modification to justify changes to current compliance schedules



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Consent Decree Compliance:

As Program Manager of the City's Smart Sewer Program since 2010, Burns & McDonnell has assisted the City in successfully obtaining each of its three previous consent decree modifications, to revise control measure obligations and maintain affordability for our residents.

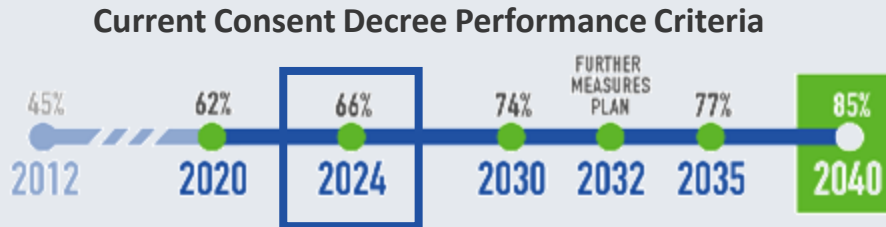


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Program Manager will provide:

- Technical and financial analyses to support consent decree modifications
- Hydraulic modeling services to verify performance of completed projects and achievement of performance criteria for the **2024 Phase 1 Interim Milestone and projections for future interim milestones**



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Program Manager will provide:

- Water quality modeling to verify improvement of Brush Creek water quality due to completed control measures prior to each interim consent decree milestone.
- Green infrastructure post-construction performance monitoring and submittal of results to EPA as required by consent decree.



THANK YOU

A decorative graphic at the bottom of the slide consisting of several overlapping, wavy bands of blue in various shades, from light to dark, creating a sense of movement and water.