



ORDINANCE NO. 250524

Regulatory Compliance and Capital Improvements Planning Optimization, Amendment No. 1

Authorizing a \$900,000.00 Design Professional Services Amendment No. 1 to Contract No. 1704 with Burns and McDonnell Engineering Company Inc., for the Regulatory Compliance and Capital Improvement Planning Optimization project for a total contract amount of \$5,500,000.00; and recognizing this ordinance as having an accelerated effective date.

July 15, 2025

Transportation, Infrastructure & Operations
Committee



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- Continue services for technical and financial analyses to complete the Integrated Management Plan (IMP) and to support consent decree modifications
- Hydraulic modeling services to verify:
 - Performance of completed overflow control projects
 - Achievement of Consent Decree performance criteria for the 2024 interim milestone
 - Projection of system performance at future 2030 and 2035 interim milestones
 - Collection system performance assessment with future service area expansion opportunities
 - Impacts of wholesale customer wet weather flows on City's collection system capacity

Regulatory Compliance and CIP Optimization



- Dynamic Smart Sewer Program with Affordability Challenges & Wet Weather Overflow Control Optimization Opportunities
- New regulations (P, PFAS/PFOS, Lead & Copper, etc.)
- Use of Consent Decree Financial Safeguard



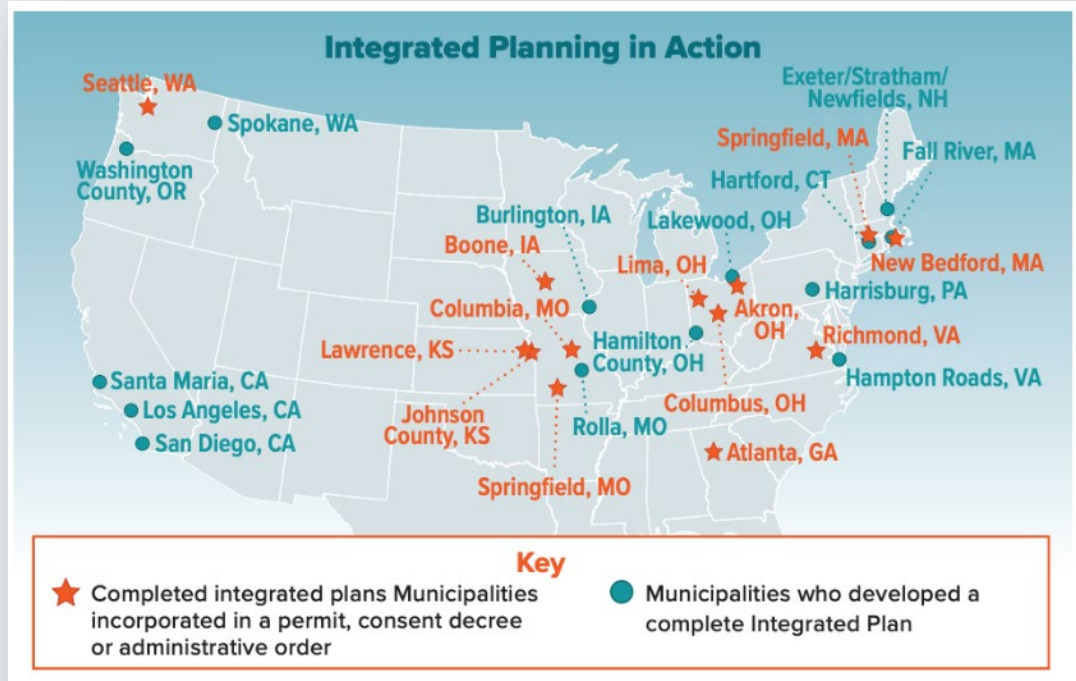
- **Integrated Planning** is KC Water's approach to achieving regulatory compliance across Water, Wastewater, and Stormwater utilities



- Support 4th Consent Decree Modification

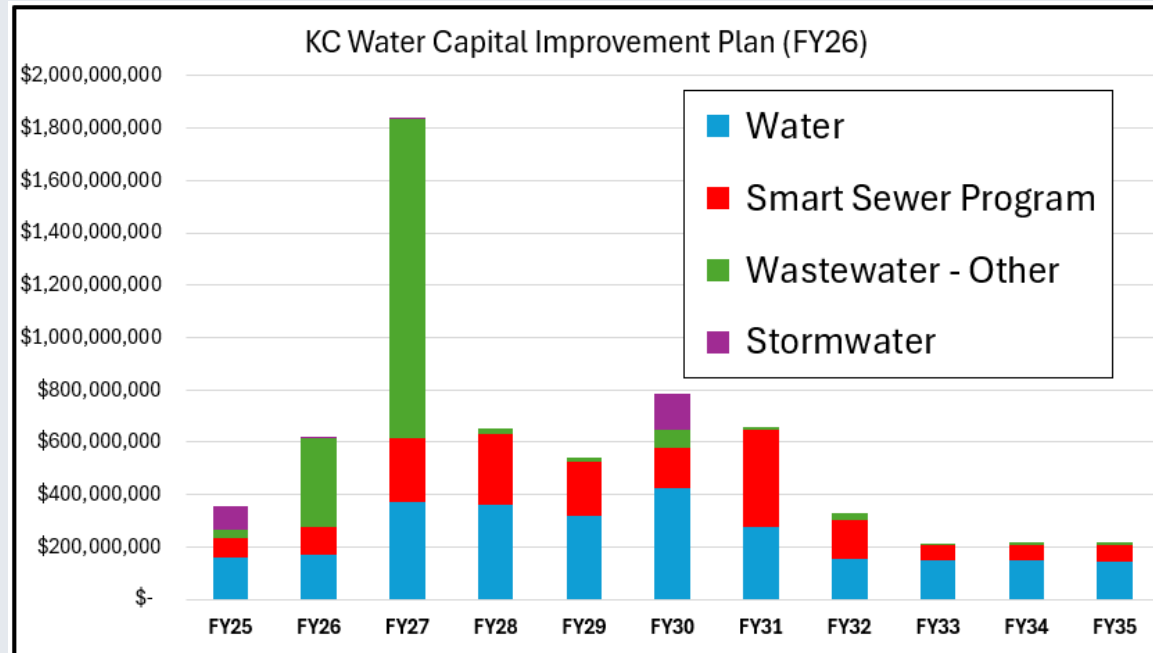
What is Integrated Planning?

- **EPA's definition:** A process that identifies efficiencies from separate wastewater and stormwater programs to best prioritize capital investments and achieve a community's human health and water quality objectives.
- **Compliance with State and Federal Regulations is a requirement.**



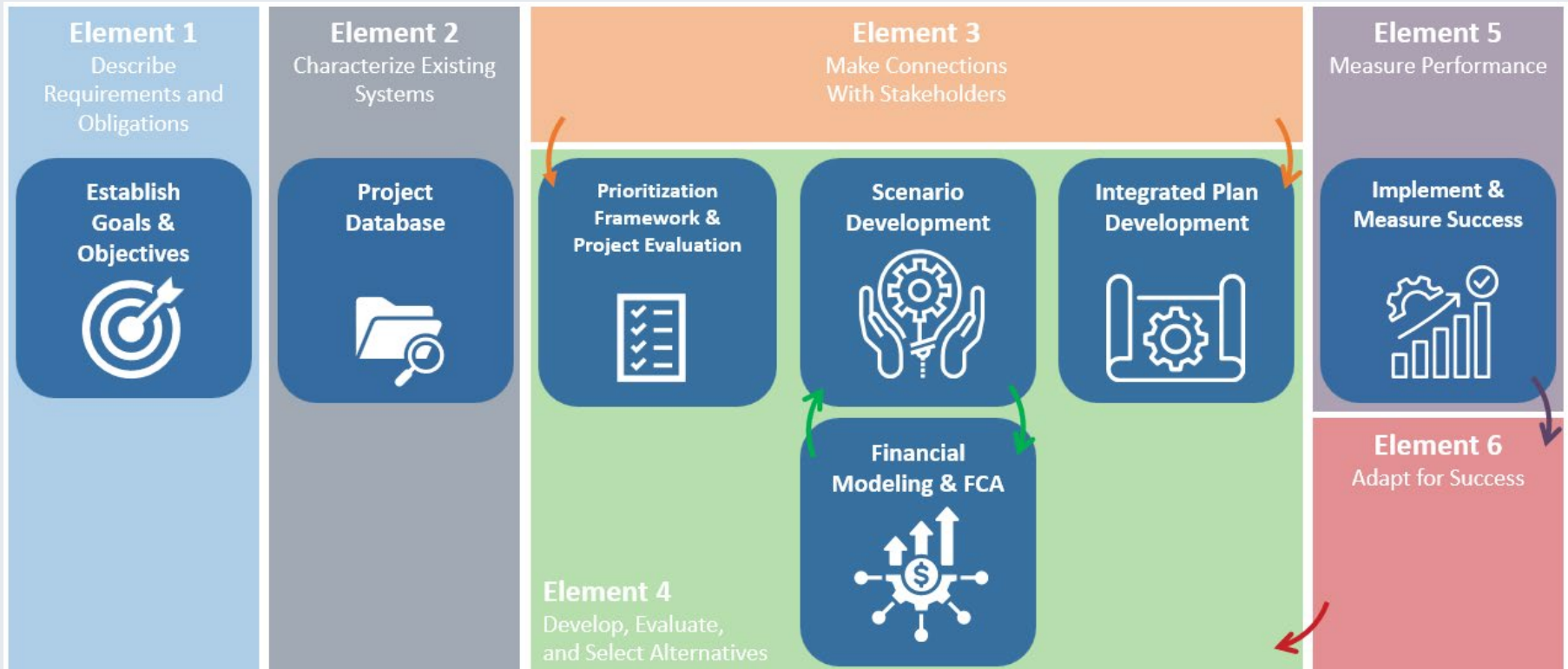
Drivers for Integrated Management Plan (IMP)

- Consent Decree-driven Overflow Control Plan - by 2035 (total planned investment ~ \$2.2B vs forecasted \$3B)
- New plant effluent total phosphorus limit (MoDNR October 2023, ~ \$1B)
- New Water Treatment Plant (~\$740M)
- Lead and Copper Rule Service Line Replacement (2025 – 2034, ~\$20M/year)
- Large stormwater projects for Brush Creek and Little Blue River



Integrated Management Planning for KC Water

Guidance set by MDNR and EPA



Ongoing Community Engagement

- Mayoral-appointed **Public Advisory Committee**
- Objective:
 - To bring together a diverse group of Kansas Citians to collaboratively assess and provide input into KC Water's approach to prioritizing the community's most pressing water, wastewater, and stormwater utility needs and challenges
- Engagement Process:
 - Broad cross-section of community stakeholder groups
 - Educational component on KC Water's water, wastewater, and stormwater systems
 - Feedback focused on consideration of community's needs

IMP Public Advisory Committee

- 6 sessions over six months (April to Sept 2025)
- 3 sessions completed
- Next session in July

| Sector / Interest | Identified Organizations / Individuals |
|-------------------|--|
| Environmental | Heartland Conservation Alliance |
| Public Works | Kansas City Public Works Department - City Engineer |
| Higher Education | UMKC Center of Neighborhoods in the Department of Architecture, Urban Planning, and Design |
| African American | National Society of Black Engineers - Kansas City Chapter |
| Hispanic | Hispanic Chamber of Commerce of Greater Kansas City |
| Women | National Association of Woman in Construction - Kansas City Chapter |
| Business / Health | Garney Construction / Children's Mercy Hospital |
| Construction | Builders - Kansas City Chapter of Associated General Contractors |

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M/WBE CREO KC Goals and Participation

CREO KC established goals of 15% MBE and 10% WBE on this Design Professional Services project on June 22, 2023.

The Contractor Utilization Plan was approved on June 23, 2023 with 15% MBE and 10% WBE participation and will remain to be met with this amendment.

MBE Firms

3T Design & Development, LLC
Dubois Consultants, Inc.
HG Consult, Inc.
NEER Technologies, Inc.
Parson & Associates, LLC
Taliaferro & Browne, Inc.

WBE Firms

3T Design & Development, LLC
Lynchpin Ideas, LLC
Macy Consulting Services, Inc.
TREKK Design Group, LLC
Vireo

THANK YOU