



**Project Fact Sheet**  
**Super Critical Water Oxidation Pilot**  
**PN 1-C-019-25**  
**October 21, 2025**

**Project Manager:** Nate Baldwin / Sabrina Parker

**Description:** This project will pilot a Super Critical Water Oxidation (SCWO) unit that will destroy poly- and perfluoro alkylated compounds (PFAS) that have become an increasing concern amongst the public and regulatory agencies. On January 14, 2025, the EPA released the Draft Sewage Sludge Risk Assessment for PFAS compounds which outlines potential risks to human health and the environment from PFAS present in biosolids.

**Justification:** This project is needed to pilot a technology that destroys PFAS compounds from Cedar Creek biosolids. If the pilot is successful, the SCWO unit could be upscaled to be an economical solution for solids handling in advance of the closure of the landfill our Cedar Creek solids are currently sent to as well as protecting the plant from potential future regulations.

**Comments:** This project has been awarded \$4,568,000 in Kansas State Revolving Funds (100% loan forgiveness) through the Kansas Water Pollution Control Revolving Loan Program with additional funds of \$1,192,000 available with the State Fiscal Year 2026 Intended Use Plan with a future loan amendment.

| <b>Schedule:</b>                  | <b>Item</b>            | <b>Date</b>            |
|-----------------------------------|------------------------|------------------------|
| Design:                           | RFQ                    | 09/13/2024             |
|                                   | Consultant Selection   | 04/01/2024             |
| Construction Manager:             | RFQ                    | 10/18/2024             |
|                                   | CMAR Selection         | 04/01/2025             |
| Construction                      | GMP #1                 | 10/21/2025             |
|                                   | GMP #2                 | Spring 2027 - Estimate |
|                                   | Completion             | Winter 2027 - Estimate |
| <b>Council Actions:</b>           | <b>Date</b>            | <b>Amount</b>          |
| Approved in CIP                   | 2025-2029              | \$ 5,658,000           |
| Project Authorization             | 01/21/2025             | \$193,905,150          |
| Resolution for SRF Application    | 02/04/2025             | \$ 4,568,000           |
| Professional Services Agreement   | 04/01/2025             | \$ 2,635,459           |
| CMAR Agreement                    | 04/01/2025             | \$ 40,000              |
| SRF Loan Agreement                | 10/21/2025             | \$ 4,568,000           |
| Water & Sewer Fund Transfer       | 10/21/2025             | \$ 950,429             |
| Accept Bid/Award Contract – GMP#1 | 10/21/2025             | \$ 6,188,970           |
| SRF Loan Amendment                | Spring 2026 – Estimate | \$ 1,192,000           |
| Accept Bid/Award Contract – GMP#2 | Spring 2027 – Estimate |                        |

| <b>Funding Sources:</b>      | <b>Amount</b>      | <b>CIP Year</b>       |
|------------------------------|--------------------|-----------------------|
| State Revolving Fund (2025)  | \$4,568,000        | 2025                  |
| Revenue Bonds                | \$2,154,000        | 2025/2026             |
| State Revolving Funds (2026) | \$1,192,000        | 2026                  |
| Water and Sewer Fund         | \$ 950,429         | 2025                  |
|                              |                    |                       |
| <b>Expenditures:</b>         | <b>Budget</b>      | <b>Amount to Date</b> |
| Construction                 | \$6,228,970        | \$ 0                  |
| <u>Design</u>                | <u>\$2,635,459</u> | <u>\$208,280</u>      |
| <b>Total</b>                 | <b>\$8,864,429</b> | <b>\$208,280</b>      |