

JOHNSON COUNTY WASTEWATER MIDDLE BASIN WWTF DIGESTION AND SOLIDS IMPROVEMENTS



PROJECT SUMMARY



Delivery Method:

Collaborative Delivery pending Board review and approval; preferably Construction Manager at Risk.

Estimated Total Project Budget:

\$150 MILLION –
\$170 MILLION

includes escalation to midpoint of construction in 2031

Tentative Scope Summary:

- » Convert secondary digester to primary digester
- » New digested sludge storage tank
- » New support building for electrical gear and boiler room
- » Rehabilitate existing digestion facilities
- » New solids processing forcemains
- » New two-story solids process building with three centrifuges and loading bay
- » Centrate equalization
- » Building #2 modifications
- » Site pavement and improvements

Budget Considerations: Cost certainty and maintaining the project budget will be critical. It is the first in a series of large projects. Cost increases could impact future JCW projects. Scope creep will need to be minimized to maintain budget.



Tentative Schedule Pending Board Review and Approval



Engineering
RFP Release:
August 2026



Design
2027 - 2029



**Construction
Procurement**
RFQ Release:
November 2026



Construction
2029 - 2033

Schedule Considerations: This is driven by the need to replace existing facilities at the end of their useful life and expand digestion capacity. Schedule delays would increase the risk and cost of emergency repairs on failing assets and processes.



Challenges:

- » Multiple MOPOs will be required over the course of the project to bring new facilities online and decommission old facilities
- » Relatively tight site on active WWTF

Drivers:

- » Equipment at or past its useful life.
- » Digester Redundancy and process reliability