



Legislation Details (With Text)

File #: K-1819-56 **Version:** 1 **Name:** WTP Backwash Tower Resurfacing Project
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Title: CONTRACT K-1819-56: A CONTRACT BY AND BETWEEN THE NORMAN UTILITIES AUTHORITY AND DUNHAM ENGINEERING, INC. IN THE AMOUNT OF \$30,000 FOR ENGINEERING SERVICES ASSOCIATED WITH THE WATER TREATMENT PLANT BACKWASH TOWER RESURFACING PROJECT.

Sponsors:

Indexes:

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Attachments: 1. Text File, 2. K-1819-56, 3. WTP Backwash Tower Photos, 4. Requisition

Date	Ver.	Action By	Action	Result
9/25/2018	1	City Council		

CONTRACT K-1819-56: A CONTRACT BY AND BETWEEN THE NORMAN UTILITIES AUTHORITY AND DUNHAM ENGINEERING, INC. IN THE AMOUNT OF \$30,000 FOR ENGINEERING SERVICES ASSOCIATED WITH THE WATER TREATMENT PLANT BACKWASH TOWER RESURFACING PROJECT.

BACKGROUND: The Water Treatment Plant (WTP) Backwash Tower Resurfacing Project (WA0274) provides for the resurfacing of the water tower and installation of a new paint coating system. The tower contains 100,000 gallons of fresh water and is used for the filter backwashes at the WTP that occur one to three times per day. The Backwash Tower was last painted in 1993; the paint on the exterior of the tower is peeling and in poor condition. Additionally, the access hatches do not meet current standards and the safety railing and ladder provided for safe access to the tank are in need of repair (see attached pictures).

The project has been delayed until the WTP Phase II project is complete. A temporary back wash mechanism is being installed as a part of the WTP construction so the Backwash Tower can be taken out of service for several months for repair and recoating. Design will begin now so the resurfacing project can be initiated once the WTP Phase II project is complete in Fall 2019.

DISCUSSION: Staff considered utilizing the WTP Phase II design consultant but since this type of work was not their specialty, staff recommends using a different engineering firm which specializes in preparing plans and specifications for repairs, sandblasting and painting of water towers. Dunham Engineering of Oklahoma City has this expertise and has recently provided inspection services for the recoating work on two of our water towers.

The proposed contract will authorize Dunham to provide drawings and specifications for bidding purposes, and construction inspection for rehabilitation and resurfacing the 100,000 gallon Backwash Tower located at the WTP. The existing coating will be checked for the presence of lead paint, and if found, the specifications will outline required safety protocols for proper removal and disposal of the lead paint as well as ensure the safety of workers during the project. Pit welding will be required to patch the tank bowl, as well as install new handrails, the replacement ladder, the access manway, and the vent pipe. Dunham will also provide all required welding inspections as part of the contract. Design is expected to be complete by July 2019.

The proposed contract amount of \$30,000 for the design services and construction inspection was negotiated with Dunham by staff. The fiscal year ending June 30, 2019 (FYE19) Water Fund budget includes \$60,000 for this project in the Treatment Plant Improvements, Design account (031-9939-462.62.01) for the Backwash Tower Repaint project (WA0274).

RECOMMENDATION: Staff recommends the Norman Utilities Authority approve Contract K-1819-56 in the amount of \$30,000 with Dunham Engineering, Inc. for design and inspection services associated with the Backwash Tower Resurfacing project.