

COUNCIL ACTION FORM

SUBJECT: FUEL OIL PIPE INSTALLATION AT COMBUSTION TURBINE SITE

BACKGROUND:

This project is for labor and materials to replace fuel oil piping at the Electric Services combustion turbine site. The combustion turbine site is located over a closed landfill north of the City Warehouse in east Ames. It was developed in the late 1960's, with the first unit placed in service in 1972. Fuel oil is delivered to and stored in a 300,000 gallon, 50 feet diameter, steel above-ground tank. Existing underground carbon steel fuel oil pipe runs to and from a pump house located south and across Pullman Street from the 50 foot diameter tank. The existing 4 inch supply and 2½ inch return fuel oil lines total approximately 350 feet of underground piping.

The project scope involves installing new double-walled carbon steel piping to replace the existing underground carbon steel piping that runs from the existing fuel oil storage tank to the existing fuel oil pump house. The new carbon steel pipe will tie into existing above ground flanged connections on the existing lines at the tank and inside the pump house. Existing piping will be abandoned in place.

The engineer's estimate for this project is \$128,000. Funding is available in the approved FY2013/14 Electric Production operating budget, which contains \$139,000 for CT# 1 Gas Turbine maintenance.

ALTERNATIVES:

1. Approve the preliminary plans and specifications for the Fuel Oil Pipe Installation at Combustion Turbine Site and set March 12, 2014, as the bid due date and March 25, 2014, as the date of public hearing and award of contract.
2. Do not approve plans and specifications at this time.

MANAGER'S RECOMMENDED ACTION:

This project is needed because all original lines installed in 1972 are subject to failure. This is the last section of pipe that needs to be replaced.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.