



# **Fuel Supply Infrastructure for Denton Energy Center Item 16-1591 Approval**

**City Council  
April 18, 2017**



# **Topics for Discussion**

- **Fuel Supplier**
- **Major Fuel Supply Components**
- **Budgeted Items & Cost**
- **PUB & Staff Recommendation**



# **Fuel Supplier**

- **Enterprise Texas Pipeline, LLC.**
  - **Main transmission line is located on project site**
  - **Familiar with serving power plants**



# Budgeted Items and Cost

Item	Status	Budgeted/Estimated Cost
Equipment and Construction of Facility	Contracts Executed	\$196,505,561
Land	Contract Executed	\$3,193,481
Jim Christal Substation Upgrade (TCOS)	Contracts Executed	\$7,000,000
Owner's Engineer	Contract Executed	\$963,930
SCADA System	Contract Executed	\$446,318
Fuel Supply Equipment Yard	Contract Executed	\$988,984
Phase 1 Water Line (Fire Protection)	Contract Executed	\$530,485
Phase 2 Water Line (Fire Protection)	Summer 2017	\$2,250,000
Wastewater Line	Summer 2017	\$1,500,000
IT/Communications Equipment	Spring 2017	\$1,053,682
Fuel Supply Infrastructure	Spring 2017	\$1,800,000
Landscape Buffer	Spring 2018	\$150,000
Contingency	N/A	\$10,617,559
Total		\$227,000,000



# **Budgeted Items & Cost**

<b>Budgeted amount</b>	<b>\$1,800,000</b>
<b>Proposal*</b>	<b>\$1,386,000</b>
<b>Under-budget Savings</b>	<b>\$ 414,000</b>

**\*This is a time and materials basis not to exceed amount and includes 15% contingency.**



# **Major Fuel Supply Components**

- **Engineering & permits**
- **Transmission line tap**
- **10” lateral pipeline to plant**
  - **Approximately 1,050 feet**
- **Equipment located in concrete fenced area**
  - **Meters**
  - **Filter separator, water tank & foundation for gas moisture removal**
  - **SCADA (electronic data communication)**
  - **Chromatograph (measures chemical composition of fuel)**



# **PUB & Staff Recommendation**

**PUB and Staff recommend approval by City Council of the proposed fuel supply interconnection agreement with Enterprise Texas Pipeline, LLC. on a time and materials basis in an amount not to exceed \$1,386,000 to provide fuel supply infrastructure for the Denton Energy Center.**

