



## MEMORANDUM

**To:** Mayor and City Council

**From:** Mike Garza, P.E., Assistant Director of Public Works  
Kent Collins, P.E., Director of Public Works

**Date:** July 14, 2020

**Reference:** Design Contract for a standby generator at Village Parkway Pump Station

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### General:

- This contract is for design and construction phase support services only. The award of a construction contract will be presented for approval in a future meeting after design is complete.
- Design cost is \$175,500.00 and the estimated construction cost is approximately \$2,200,000.

### Introduction:

This agenda item is being presented for approval to enter into a design contract with Gupta & Associates, Inc. in the amount of \$175,500.00 for the detailed design of a standby generator for the Village Parkway Pump Station.

### Analysis:

The City of Coppell is a wholesale water customer of Dallas Water Utilities (DWU). This means we purchase all of our water from Dallas, and it is delivered to us already treated and ready for distribution to our residents and business customers. Our distribution system includes two elevated storage tanks, 200 miles of water main, two ground storage tanks, and the Village Parkway Pump Station (VPPS). Using these facilities, we purchase and pump more than 3,000,000,000 gallons of water annually.

The Village Parkway Pump Station was constructed in 1990 with three pumps and a single ground storage tank. In 1995 the facility was expanded and three additional pumps and an additional ground storage tank were added. All the water purchased by the City of Coppell from DWU is delivered to the VPPS and passes through these two ground storage tanks, and is pumped out into our distribution system through this pump station.

The VPPS has two Oncor primary services that feed the pump station. These feeds power the station and the pumps. Multiple times a year we lose power to one or both feeds due to various circumstances such as lightning storms, car accidents, rolling brown outs, etc. When we lose power the pumps

cannot run and supply the system with water. Several years ago we installed a portable generator on a trailer that we can manually start up in the event that we lose power, however that generator will only run one or two pumps at a time. During peak times this does not handle the demand.

This design contract is to install a permanent automatic transfer standby generator that is capable of powering the entire station in the event of power loss. The estimated construction cost, which includes the purchase of the generator, is approximately \$2.2 Million.

**Legal Review:**

The City's standard design contract has been reviewed by legal periodically, with changes made as requested.

**Fiscal Impact:**

The fiscal impact of this Agenda item is \$175,500.00 from the 2018 Bond Funds.

**Recommendation:**

The Public Works Department recommends approval of this contract with Gupta & Associates, Inc.