



## CITY MANAGER'S REPORT AGENDA ITEM REQUEST UTILITIES DEPARTMENT

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**TO:** Ed Lavallee, City Manager

**THROUGH:** Len Bramble, P.E., Utilities Director

**FROM:** Tim Hochuli, P.E., Assistant Utilities Director

**DATE:** September 12, 2013

**SUBJECT:** **Reverse Osmosis (RO) Membrane Replacement/SCADA Upgrade Design-Build Agreement Phase 2 – The Haskell Company**

**Background:**

Replacement of the RO membranes and associated equipment, as well as replacement and expansion of the Supervisory Control and Data Acquisition (SCADA) system have been identified for several years as critical projects for the City's potable water system. The current membranes were replaced in the late 1990s and are beyond their useful life. Due to the age, condition, and state of obsolescence of the vessels and mounting racks associated with the membranes, replacement parts for these appurtenances are difficult to procure and are also in need of replacement.

In addition, and similar to the membrane equipment, the existing SCADA system at the WTP has also reached a point of obsolescence where replacement parts are no longer available.

In May 2012, Council approved a Work Assignment with MWH Americas to provide Owner's Representative Services for a Progressive Design-Build project to design and construct the discussed improvements. Staff believes this process is the best method of procuring the desired services. In January, 2013, Council approved the Phase 1 Agreement with The Haskell Company (Haskell), the design-build team, for the design of the improvements. At that time, staff indicated that the next step would be to bring forward for Council action an amendment to the Phase 1 Agreement which would include construction of the improvements (Phase 2). Attached is the Amendment No. 1 to the Phase 1 Agreement which adds construction of the improvements.

As part of the Phase 1 project, Haskell has worked with the City staff to clearly define the proposed improvements to the City's water treatment plant. Listed below are the improvements included in the Phase 2 construction:

- Four RO membrane systems
- Four vertical turbine RO feed pumps
- Two variable frequency drives
- Four cartridge filters
- Sodium hypochlorite feed system
- Membrane clean in place system
- Antiscalant feed system
- SCADA system upgrading and additions
- Associated civil, structural, mechanical, electrical and related services for the improvements

**Requested Action:**

We request Council's approval of the *Amendment No. 1 to the Standard Form of Agreement Between Owner and Design-Builder – Cost Plus Fee with an Option for a Guaranteed Maximum Price* with The Haskell Company in the amount of \$6,700,108.00.

**City Attorney Review:**

The City Attorney has reviewed this document and finds its legal form to be acceptable.

**Risk Management Review:**

The Risk Manager has reviewed this document and finds no risk management objections.

**Funds Availability (account number):**

Based on council approval, funds are available in account number 421-1203-533.64-00 (Machinery & Equipment – BOND 12).