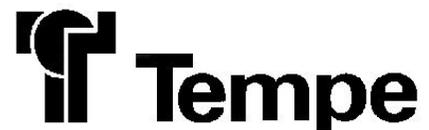


Staff Summary Report



Council Meeting Date: 4/28/11

Agenda Item Number: _____

SUBJECT: Request award of a professional services contract with Wilson Engineers, LLC for Kyrene Water Reclamation Plant decommissioning study.

DOCUMENT NAME: 20110428pwwdr02 KYRENE WATER RECLAMATION PLANT (311 W GUADALUPE) PROJECT NO. 997044

COMMENTS: Total cost for this contract is \$73,090.

PREPARED BY: Donna Rygiel, Engineering Contracts Administrator (x8520)

REVIEWED BY: Don Hawkes, Deputy PW Director/Water Utilities (x2660)
Andy Goh, Deputy PW Director/City Engineer (x8896)

LEGAL REVIEW BY: Judi Baumann, Deputy City Attorney (x8779)

DEPARTMENT REVIEW BY: Don Bessler, Public Works Director (x8205)

FISCAL NOTE: Sufficient funds have been appropriated in Capital Improvement Project No. 7044, Kyrene Water Reclamation Plant Expansion.

RECOMMENDATION: Award professional services contract.

ADDITIONAL INFO: The Kyrene Water Reclamation Plant (KWRP) is to be temporarily decommissioned due to a number of factors including: recent declines in total citywide wastewater flows; commitments to provide reclaimed water via the 91st Avenue Wastewater Treatment Plant (WWTP) to the Palo Verde Nuclear Generation Station, the Buckeye Water Conservation and Drainage District and the Tres Rios Wetlands; the current availability to the City of other water resources; and the high power consumption and operating costs of the KWRP relative to the 91st Ave WWTP. It is expected that the KWRP will be kept offline for a period ranging from 3 to 10 years. A future decision to return the plant to service will be contingent upon citywide wastewater flows returning to past levels and the costs and demand for reclaimed water relative to other water supplies which may be available to the City.

The purpose of this project is to evaluate the specific operation and life cycle cost impacts of temporarily “mothballing” the KWRP and to identify the optimum approach for decommissioning while maintaining the optimum asset value of the currently installed equipment and structures at the facility. An additional aspect of the scope is to study the feasibility and cost associated with “repurposing” the KWRP for possible conversion to a surface water treatment facility. This may enable the plant to be beneficially used in efforts to provide treated surface water for recharge at the Ken McDonald Golf Course Recharge Project that will bolster Tempe’s water resource portfolio. If feasible this may also provide the opportunity to market the treatment and recharge capacity to other valley entities and be an additional revenue source for Tempe’s Water enterprise fund.

Staff has negotiated the fee with Wilson Engineers, LLC and considers it reasonable for the scope of services. Wilson Engineers, LLC was selected from our professional services consultant on-call list based on a qualifications based selection process, pursuant to Arizona Revised Statutes § 34-103, which includes evaluation of the firm in each selected discipline based on the following selection criteria and relative weights:

- 30% Overall capability and qualifications of the firm;
- 30% Relevant municipal project experience of the firm;
- 25% Qualifications and experience of the firm's key local staff, and;
- 15% Overall evaluation of the firm and its familiarity of local regulations.

Once the annual professional services on-call lists are established, consultants are utilized throughout the year based on how their expertise relates to our project needs.