

AGENDA ITEM # _____

DATE: October 6, 2014

COAC NUMBER: 14-5370

**CITY OF GOODYEAR
CITY COUNCIL ACTION FORM**

**SUBJECT: Approval of FY15
Purchase Order for Integrated Water
Master Plan with Carollo Engineering**

STAFF PRESENTER: Mark Holmes,
Water Resources Manager
Mark Seamans, Environmental Services
Manager
COMPANY:
CONTACT:

RECOMMENDATION:

Approve a purchase order for the Integrated Water Master Plan (IWMP) contract with Carollo Engineering in the amount of \$601,509.

PURPOSE:

All budgeted expenditures of \$500,000 or more are required to obtain Council approval before the issuance of a Purchase Order, Change Order, or Notice to Proceed. Council approved \$720,000 in the CIP for FY 14-15 budget and came in under budget at \$601,509. However, because the Purchase Order for Fiscal Year 2015 exceeds \$500,000, it is being brought before Council for approval. (Mark Holmes, Water Resources Manager)

BACKGROUND AND COMMUNITY BENEFIT:

Master planning for municipal water and wastewater services is a very dynamic process that needs to account for population; economic development and growth; redevelopment; water supply availability; drought management; changes in water and wastewater treatment technologies; engineering and new water quality regulations.

The purpose of this IWMP is to provide the City of Goodyear with a comprehensive master plan that will analyze each of the above challenges and provide recommendations to adequately address them. This will allow Goodyear to continue providing the highest level of services to its citizens in the most effective manner while meeting all regulations standards.

PREVIOUS ACTIONS AND DISCUSSION:

Previously, the City completed a 2007 IWMP based on information from 2006, and the information and predictions created at that time for water resources, water distribution, wastewater and reclaimed water.

Also, in 2013, update was provided for the infrastructure improvement plan (IIP) and establishment of Development Impact Fees.

The IWMP will have four (4) areas of technical work to include:

1. Water Resources Master Plan
2. Water Distribution Master Plan
3. Wastewater System Master Plan
4. Reclaimed Water Master Plan

Output from this IWMP will include a comprehensive five (5) year CIP plan, integration of the new CIP plan into the Utility Rate Study and vetted through the Water Planning Commission.

Below are a sample of significant new questions that need to be answered.

1. New Ground Water Model that was created for the City's designation of assured water supply renewal permit has shown there is not enough groundwater (wet water) within the aquifer under the City for build out.
 - a. Where will the physical (wet water) needed for long range development and build-out originate from?
2. The City does not have enough water resources within its portfolio for long range development and build-out.
 - a. How much water will the City need for long range development and build-out and what will the anticipated costs for that water be?
 - b. Where will these new water supplies originate from and be treated and what are the capital costs associated with these activities projected to be?
3. There are significant large vacant tracks of land within the City that are projected to have large commercial and industrial development to occur. To ensure the City is able to provide water and sewer to these developments corridors at the right timing, what volumes of water resources and infrastructure will need to be reserved and constructed for these areas and what capital costs are needed to support these activities?
4. Outdoor water consumption still remains the most significant water consumptive use of water supplies within the City. Balancing water consumption, projected prolonged drought and the need for increased water efficiencies and sustainability while maintaining an expected quality of life and beautiful City; what new water conservation and efficiency attributes are needed to balance these aspects?
5. Reclaimed water is one of the City's increasing renewable water supplies. To ensure the maximum and most efficient use of this water supply what new practices and policies are needed to ensure this water supply is used to its maximum most efficient use?
6. Significant and prolonged drought are expected and projected to loom over the Southwest United States. How can the City ensure that it can become drought proof and ensure it can carry out a "business as usual" for residential, commercial, and industrial water users?
7. Potable water storage capacities predicted in 2007 IWMP are in question. New IWMP will determine actual requirements needed, locations will be determined and infrastructure cost will be validated.

FISCAL ANALYSIS:

\$720,000 was approved in the CIP for FY 14-15 budget and came in under budget at \$601,509.

ATTACHMENTS:

IWMP scope of work.