

**TOWN OF PRESCOTT VALLEY
REQUEST FOR COUNCIL ACTION
Date: August 18, 2016**

SUBJECT: Agreement with E. L. Montgomery & Associates for Water Recharge and Recovery Analysis Project, CIP # W388

SUBMITTING DEPARTMENT: Water Resources Management

PREPARED BY: John Munderloh, Water Resources Manager

AGENDA LOCATION: Comments/Communications , Consent , Work/Study ,
New Business , Public Hearing , Second Reading

ATTACHMENTS: a) Agreement with E. L. Montgomery, and b) Exhibit "A" – Scope of Services

SUMMARY BACKGROUND: The Approved Budget for Fiscal Year 2016/2017 includes professional services for assisting the Town with planning for future phases of water recharge and recovery operations.

Reclaiming and recycling effluent produced by the Town of Prescott Valley is a significant part of the Town's water portfolio. For example, in 2015 the Town was able to reclaim about 65% (or around 2,860 acre feet) of the water delivered to Town customers. A portion of the reclaimed water is used to offset groundwater uses through direct delivery, and the remainder (about 84% of the total) is delivered to the Town's two recharge facilities. However, as reclaimed water volumes increase and as storage space becomes filled up, the existing recharge facilities are unable to recharge all of the water that is available. In 2015, about 670 acre-feet of effluent was not credited to the Town's Long-Term Storage Account due to either high water table or natural events (storm water washing out berms).

Staff is developing a long-term recharge and recovery plan. Part of that effort is this proposed agreement with Errol L. Montgomery & Associates Inc. to determine how to more efficiently use existing recharge facilities, look at locations and concept designs for additional facilities, and determine how best to obtain water credits. Montgomery & Associates is uniquely suited for this work, having previously provided professional hydrogeologic services to the Town for developing and permitting the Agua Fria River Recharge Project and the North Plains Recharge Project.

This proposed project is broken into three phases:

- Evaluate near-term options:
 - Increase efficiency at North Plains Recharge Facility
 - Possibly incorporate unused wells for direct injection (if water quality concerns are addressed)
- Evaluate long-term options:
 - Previously examined sites with new methods (e.g. Direct Injection)
 - Examine additional Sites not yet considered
- Develop a plan to recover the recharged water as water credits recognized by the Arizona Department of Water Resources

The Agreement for Professional Services with Montgomery and Associates is summarized as follows.

Table 1

Task Description	Cost
Task 1 Kickoff Meeting, Coordination and Adiminstration	\$3,520.00
Task 2 Review Data, Identify Sites and Site Visit	\$10,910.00
Task 3 Develop Recharge Plan Elements	\$11,710.00
Task 4 Develop Recovery Plan Elements	\$3,980.00
Task 5 Prepare Recharge and Recovery Planning Document	\$19,000.00
TOTAL:	\$49,120.00

PREVIOUS ACTIONS:

- On September 7, 2007, Council approved a contract with E. L. Montgomery & Associates related to the site selection, permitting, and design of the North Plains Recharge Facility.
- On August 12, 2004, Council approved a contract with Montgomery & Associates for professional services related to the development, permitting and monitoring of the Agua Fria Recharge Project. Since May 2001, the Council has approved an Agreement and five Amendments with this consulting firm.
- On August 11, 2005, Council approved a contract with Montgomery & Associates for professional services related to the research, development, design, and permitting of an additional recharge facility for the Town. Over the past two years, much of the effort involved research, appraisal and feasibility level investigations of approximately 23 potential sites. However, efforts to develop, design and obtain permits for the best potential sites has been delayed due to land access issues.

OPTION ANALYSIS: The Council may vote to:

- 1.) approve this Agreement, **OR**
- 2.) not approve this Agreement, **AND/OR**
- 3.) direct staff to pursue other options.

ACTION OPTION: Motion to approve this Agreement with Montgomery & Associates to provide professional hydrogeologic services for the Water Recharge and Recovery Analysis Project, CIP # W388, in a total amount of up to \$49,120, **OR** Motion not to approve this Agreement. **VOTE.**

RECOMMENDATION: Town staff recommends approval of this Agreement with Montgomery & Associates.

FISCAL ANALYSIS: The current status of the budget for this project is outlined in Table 1 below.

Table 2

Recharge/Water Resource Other Professional Services a.k.a. Water Recharge and Recovery Analysis Project, CIP # W388 HTE Code: 541-7040-641.32-75 Finance Proj. # N/A	
FISCAL YEAR 2016/2017	Budget: \$60,000.00 Expended & Encumbered: \$0.00 Agrmt: <u>(\$49,120.00)</u> < (this action) Balance: \$10,880.00
	FISCAL YEAR 2007/2008

REVIEWED BY:

Management Services Director _____

Town Clerk _____

Town Attorney _____

Town Manager _____

COUNCIL ACTION:

Approved Denied Tabled/Deferred Assigned to: _____