

**TOWN OF PRESCOTT VALLEY
REQUEST FOR COUNCIL ACTION**

Date: September 13, 2012

SUBJECT: Grant Agreement with US Bureau of Reclamation for Smart Irrigation Controllers

SUBMITTING DEPARTMENT: Parks/Management

PREPARED BY: John Munderloh, Water Resources Manager, Jason Elmer, Parks and Recreation Manager

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

ATTACHMENTS: Memo - Evaluation of Smart Irrigation Controllers

SUMMARY BACKGROUND: Town staff has recently received a notice of award for a grant from the US Bureau of Reclamation to install “smart” irrigation controllers at Town parks. These controllers use state of the art technology to determine the correct amount of water to apply to turf grass at each irrigation cycle based on recent climatic conditions. The controllers can also adjust the amount of water applied to help make the best use of precipitation received at each park and conserve groundwater supplies. Currently, the Parks Department staff members manually adjust the irrigation controllers in the field based on their evaluation of turf conditions. Although this has been an effective means to save water and water cost, it is a labor intensive effort.

The total estimated amount of federal funding for this agreement is \$41,980, of which the initial amount of federal funds available is limited to \$20,990 for the first 1-year grant period (October 1, 2012 to September 30, 2013). This provides funding specifically to purchase irrigation controllers and appurtenances. Subject to the availability of Congressional appropriations, the second year’s funds will be made available for payment through written modifications to this agreement. The Town’s required match will be in the form of labor for installation, system monitoring and evaluation, and grant management and reporting. The estimated total Town commitment is \$33,592 for the first year and \$64,693 total over the two-year period. Town costs have been included in the Parks Operations budget and in the Water Resources budget. A conservative estimate of savings for water and labor costs is approximately \$10,000 per year.

PREVIOUS ACTIONS: On March 22, 2012, Council approved Town Staff’s proposal to pursue this grant in an amount up to \$25,000 per year.

OPTION ANALYSIS: The Council may vote to:

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

ACTION OPTION: Motion to authorize the Mayor (or in his absence the Vice Mayor) to sign the attached agreement accepting US Bureau of Reclamation grant funds.

VOTE.

RECOMMENDATION: Town staff recommends approving this grant agreement with the US Bureau of Reclamation.

FISCAL ANALYSIS:

Description		Cost, Year 1	Cost, Year 2
	USBR Grant to pay for Horizon Water Management System Irrigation Controllers	\$20,990.00	\$20,990.00
	In-kind matching costs from Parks Staff and other Town Staff for Administration, Installation and Maintenance - from operating budget	\$33,592.00	\$31,101.00
		\$0.00	\$0.00
TOTAL:		\$54,582.00	\$52,091.00

REVIEWED BY:

Management Services Director _____

Town Clerk _____

Town Attorney _____

Town Manager _____

COUNCIL ACTION: Approved Denied Tabled/Deferred Assigned to _____