

**TOWN OF PRESCOTT VALLEY  
REQUEST FOR COUNCIL ACTION  
Date: November 10, 2016**

**SUBJECT:** Amendment to CH2MHILL/OMI Agreement for Out-of-Scope Services for Combined Water and Wastewater Capital Projects FY16/17

**SUBMITTING DEPARTMENT:** Utilities Department

**PREPARED BY:** Mark Kieren - Operations Manager, for  
Neil Wadsworth, PE - Utilities Director

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

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**ATTACHMENTS:** a.) Amendment for CH2MHILL/OMI Agreement for Out-of-Scope Services  
b.) Out of Scope Letter of Agreement (Exhibit A)

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**SUMMARY BACKGROUND:** CH2MHILL provides all operations for our Wastewater System and Water Distribution System. Due to their expertise and extensive knowledge of both systems, we utilize our Professional Services agreement with CH2MHILL to complete complex or technical tasks from time to time. We have six specific projects that are funded from two Water accounts and two Wastewater accounts that we are combining under one Out-of-Scope Agreement.

**Water Enterprise Fund:**

- Fat Chance Well: Currently this well operates with two different types of Programmable Logic Controller, (PLC's). The scope for this work includes the removal of both old PLC's and replacing them with a New Allen Bradley PLC. This will update and expand control function at our well site and dramatically reduce nuisance alarms. (See Fiscal Analysis Table 2)
- Lower Lynx Well: Recently we had all of our electrical switch gear and secondary controls replaced at this well site. The scope of work for this well is to install a new Allen Bradley PLC, perform all required Integration/Programming for the associated Remote Transmitting Units, (RTU's) to provide total automation for this site. (See Fiscal Analysis Table 2)
- PCC Well: The current PLC is limiting our operational capabilities at this location and the scope of work for this site also includes the installation of a new Allen Bradley PLC and Integration/programming. (See Fiscal Analysis Table 2)
- Tri-Plex/Duplex Booster Station-Tank Farm: Currently the function of this site for both boosters is controlled by one PLC. In the past we have had control issues associated with only one of the Boosters at this location, but due to the control function being common to one PLC, we have lost both sites for a period of time. The scope of work for this location includes the addition of a PLC including Integration/Programming, which will allow us to control each booster station independently. (See Fiscal Analysis Table 2)

**Wastewater Enterprise Fund:**

- WWTP Roto-Mat control upgrade: Labor and materials required to install new cabinet and controls including Integration/Programming for our # 3 Roto-mat at the head works of the WWTP. (See Fiscal Analysis Table 3)
- Variable Frequency Drive (VFD) replacement supporting our Aeration Brushes: The Variable Frequency Drives (VFD's), controlling the brushes at the plant are of older technology and extremely hard to find replacement parts for. The brushes are used for primary aeration and are key to our process and it's now time to replace the outdated VFD's with new equipment. A secondary benefit to completing this replacement now is the cost recovery incentives offered by Arizona Public service. APS provides a rebate for each VFD we replace with a newer, more efficient model. The scope of work for this equipment includes the replacement of 5 VFD's at the WWTP. (See Fiscal Analysis Table 4)

We intend to utilize our Professional Services Agreement with CH2MHILL/OMI and complete this project under the Out-of-Scope Services Clause in Section 9 of the Restated and Amended Agreement dated June 23, 2016 for an amount of \$91,895.19.

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**OPTIONS ANALYSIS:** For Discussion Only.

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**ACTION OPTION:** For Discussion Only.

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**RECOMMENDATION:** For Discussion Only.

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**FISCAL ANALYSIS:** The following tables summarize the budget items needed to complete these projects.

Table 1

PUMPING EQUIPMENT		511-7020-700-7412
FISCAL YR 2016/2017	Budget:	\$200,000.00
	Expended/Encumbered:	\$0.00
	Budget Transfer to: 511-7020-700-7320	<u>(\$26,576.00) &lt;this action</u>
	Remaining Balance	\$173,424.00
FISCAL YR 2016/2017		

Table 2

SITE IMPROVEMENTS		511-7020-700-7320 - CW1603
FISCAL YR 2016/2017	Scada Control System Upgrades Budget:	\$25,000.00
	Expended/Encumbered:	\$0.00
	Budget transfer:	\$26,576.00 From Table
	Water System - Control Upgrades	<u>(\$51,575.20) &lt;this action</u>
	Remaining Balance	\$0.80
FISCAL YR 2016/2017		

Table 3

SITE IMPROVEMENTS		501-7010-700-7320 - CR1701	
FISCAL YR 2016/2017	Lift Station Rehab Budget:	\$20,000.00	FISCAL YR 2016/2017
	Expended/Encumbered:	\$0.00	
	Lift Station Rehab/ Roto-mat control upgrades	<u>(\$3,741.38) &lt;this action</u>	
	Remaining Balance	\$16,258.62	

Table 4

MACHINERY AND EQUIPMENT		501-7010-700-7410	
FISCAL YR 2016/2017	Budget:	\$200,000.00	FISCAL YR 2016/2017
	Expended/Encumbered:	\$0.00	
	Variable Frequency drives for Aeration	<u>(\$36,578.61) &lt;this action</u>	
	Remaining Balance	\$163,421.39	

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**REVIEWED BY:**

Management Services Director \_\_\_\_\_

Town Clerk \_\_\_\_\_

Town Attorney \_\_\_\_\_

Town Manager \_\_\_\_\_

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**COUNCIL ACTION:**

Approved    Denied    Tabled/Deferred    Assigned to \_\_\_\_\_