

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Public Works	(2) MEETING DATE 11/25/2014	(3) CONTACT/PHONE Brian Uder, Staff Engineer (805) 781-1186	
(4) SUBJECT Request to approve a new capital project to replace and update Supervisory Control and Data Acquisition (SCADA) equipment and software at the Zone 3 Lopez Water Treatment Plant (LWTP); and authorize a budget adjustment in the amount of \$75,000 to move funds from the Zone 3 Turnout SCADA project to fund the new project. Districts 3 and 4.			
(5) RECOMMENDED ACTION It is recommended that the Board, acting as the San Luis Obispo County Flood Control and Water Conservation District (District): <ol style="list-style-type: none"> 1. Approve a new capital project to replace and update Supervisory Control and Data Acquisition (SCADA) equipment and software at the Zone 3 Lopez Water Treatment Plant (LWTP); and 2. Authorize a budget adjustment in the amount of \$75,000 to move funds from the Zone 3 Turnout SCADA project to fund the new project, by 4/5 vote. 			
(6) FUNDING SOURCE(S) Flood Control Zone 3 SCADA Project	(7) CURRENT YEAR FINANCIAL IMPACT \$0.00	(8) ANNUAL FINANCIAL IMPACT \$0.00	(9) BUDGETED? No
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. ___) <input type="checkbox"/> Board Business (Time Est. ___)			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input checked="" type="checkbox"/> N/A			
(12) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) N/A		(13) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: 1415040 <input checked="" type="checkbox"/> 4/5 Vote Required <input type="checkbox"/> N/A	
(14) LOCATION MAP N/A	(15) BUSINESS IMPACT STATEMENT? No	(16) AGENDA ITEM HISTORY <input checked="" type="checkbox"/> N/A Date: _____	
(17) ADMINISTRATIVE OFFICE REVIEW			
(18) SUPERVISOR DISTRICT(S) District 3 District 4			

Reference: 14NOV25-C-5

County of San Luis Obispo



TO: Board of Supervisors
FROM: Public Works
Brian Uder, Staff Engineer
VIA: Dean Benedix, Utilities Division Manager
DATE: 11/25/2014

SUBJECT: Request to approve a new capital project to replace and update Supervisory Control and Data Acquisition (SCADA) equipment and software at the Zone 3 Lopez Water Treatment Plant (LWTP); and authorize a budget adjustment in the amount of \$75,000 to move funds from the Zone 3 Turnout SCADA project to fund the new project. Districts 3 and 4.

RECOMMENDATION

It is recommended that the Board, acting as the San Luis Obispo County Flood Control and Water Conservation District (District):

1. Approve a new capital project to replace and update Supervisory Control and Data Acquisition (SCADA) equipment and software at the Zone 3 Lopez Water Treatment Plant (LWTP); and
2. Authorize a budget adjustment in the amount of \$75,000 to move funds from the Zone 3 Turnout SCADA project to fund the new project, by 4/5 vote.

DISCUSSION

Flood Control and Water Conservation District Zone 3 (Zone 3) funds the operations of the Lopez Project which includes the Lopez Lake and Dam, the Lopez Terminal Reservoir, Lopez Water Treatment Plant (LWTP) and the distribution system. The Lopez Project provides drinking water to the communities of Arroyo Grande, Avila Beach, Grover Beach, Oceano and Pismo Beach. Collectively, representatives of the District, the communities and other agencies appointed by the District comprise the Zone 3 Advisory Committee to advise the District on matters relating to the Lopez Project. These committee items include recommending operational improvements and budget items.

The Zone 3 FY 2014-15 budget included a capital improvement project to develop an equipment replacement plan for the LWTP. The equipment replacement plan is based on the systems currently in use at the LWTP. The results of the plan are discussed with the Zone 3 Technical Advisory Group for recommended action by the Zone 3 Advisory Committee and, as necessary, the Board of Supervisors.

The first operating system examined was the SCADA computer system used to operate the LWTP. This examination concluded that the SCADA computer components (hardware and software) are beyond their operational life and need to be replaced. To eliminate phased replacement issues, the Zone 3 Advisory Committee recommended that both the hardware and software components at the LWTP be replaced at this time. This will provide the LWTP with the latest computer components and reduce the potential for system interruptions due to outdated computer equipment.

To assist with immediate implementation, the Zone 3 Advisory Committee recommended the transfer of \$75,000 from the existing Zone 3 Turnout SCADA project (WBS 300500) to fund this project (WBS 300534). The \$75,000 budget includes replacement of the LWTP SCADA computer equipment, system software, upgrades, installation and overhead, as well as the necessary service, testing and programming.

WBS 300500 is currently budgeted in the amount of \$415,000 with a remaining budget of approximately \$274,000. The \$75,000 budget transfer to WBS 300534 will leave approximately \$199,000 in WBS 300500 which is adequate to complete the design and permitting phases. To account for this transfer, funds to complete WBS 300500 will be included in the Zone 3 FY 2015-16 Budget.

OTHER AGENCY INVOLVEMENT/IMPACT

On September 18, 2014 the Flood Control Zone 3 Advisory Committee approved the transfer of \$75,000 from the FY 2014-15 budget for WBS 300500 to the budget for the WBS 300534.

FINANCIAL CONSIDERATIONS

This project will be budgeted in Flood Control Zone 3. The estimated project costs to replace the computer equipment and upgrade the software are \$75,000. The project will be funded from the Zone 3 Turnout SCADA project (WBS 300500).

Please see Exhibit "A" for an estimated cost breakdown of the project.

RESULTS

Approval of the recommended action will authorize creation of a new Lopez Water Treatment Plant SCADA Computer Replacement project, which will provide for a reliable and safe water supply for the South County. This in turn will contribute to the County's goal of a safe, livable and well governed community.

File: Contract No. 300534

Reference: 14NOV25-C-5

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ATTACHMENTS

1. Exhibit A - Project Cost Estimates