

**TOWN OF
APPLE VALLEY, CALIFORNIA**

AGENDA MATTER

Subject Item:

RATIFY AND APPROVE EMERGENCY EXPENDITURES AND AUTHORIZE BUDGET AMENDMENT IN THE WASTEWATER FUND

Summary Statement:

In October 2009, two overflows occurred at Town wastewater lift station 3A-#2. Emergency repairs were necessary in order to abate an overflow and resume normal operation. Because of the overflow events, staff made every effort to find timely solutions and make complete, permanent, long lasting repairs related to this emergency. In the process, a full control logic operations review was performed to address known and unknown deficiencies at the same time.

1. Unanticipated Emergency Repairs. As a result a failure of the control logic and drive features of the lift station, immediate repairs to the AD3A-2 station drive systems were classified as emergency repairs and said repairs were determined to be of a sole-source nature. \$18,061.66 was initially paid from the System Maintenance account 5010-4210-7942. Additionally, a drive system failure occurred at the AD3A-#1 lift station on December 6, 2009 resulting in costs totaling \$7,748.89. Total emergency repair costs were \$25,810.55. (Continued)

Recommended Action:

1. Ratify, approve and authorize emergency expenditure from the Wastewater System Maintenance account 5010-4210-7942 in the amount of \$25,810.55 for the emergency repairs associated with the AD3A-1/2 lift stations, and appropriate funds (\$25,810.55) from existing Fund Balance (AD-3A Bond Fund reserve account).
2. Ratify, approve and authorize payment to AES Global Inc. for costs associated with the Capital Project "Radio Telemetry", totaling \$42,005.15 from the Wastewater Capital Projects account 5010-4210-9300 (\$70,000 budgeted, resulting in a surplus of \$27,993.85).
3. Approve and authorize payment to So & Associates for costs associated with the Capital Project "AD3A PLC replacement", estimated at \$75,000. \$40,000 to be paid from the Wastewater Capital Projects account 5010-4210-9300 (\$40,000 budgeted for this component), and the remaining balance by authorizing a fund transfer (\$35,000) from existing Fund Balance (AD3A Bond Fund reserve account).

Proposed by: Dennis Cron, Assistant Town Manager _____ **Item Number** _____

T. M. Approval: _____ **Budgeted Item** Yes No N/A

2. Capital Project "Radio Telemetry". Although programmed in the FY09-10 budget as a Capital Project and as a contributing factor to the overflow events, it was determined that work should commence immediately to find a solution for and replace the existing radio telemetry communication system that has increasingly plagued the Town's four lift stations located along the west side of town, as well as the base SCADA system that, after nearly 20 years has become increasingly unreliable and outdated. Because of the emergency failure and the need for a timely solution/repair, the Town's formal purchasing process was waived. AES Global Inc., who has performed routine maintenance on the telemetry system and has extensive familiarity with the system, was engaged to perform this work. The solutions and repairs totaled \$42,006.15 and were paid out of the Capital Projects account 5010-4210-9300. \$70,000 was allocated within the account for this work, leaving a budget surplus of \$27,993.85.

3. Capital Project - AD3A Programmable Logic Controllers (PLC). While not a contributing factor to the overflow event at lift station AD3A-2, the AD3A-#1&2 PLC's have become increasingly problematic and unreliable. These units, the "computer brain" that makes operational decisions at the lift station, are original to the lift stations, 20 year old design and technology, and are no longer supported by the original manufacturer, who is no longer in business. As a result, staff engaged the Town's consulting wastewater engineer, So & Associates, to evaluate the existing PLC systems and provide recommendations and proposals for upgrades and replacements with current manufactured technology. The result would be a total cost of \$75,000 to be paid out of the Capital Projects account 5010-4210-9300. \$40,000 was allocated within the account for this component, leaving a deficit of \$35,000.