

## **Action Item #5 - Hach Service Partnership Agreement**

The Westfield Public Works Department is recommending that the Board of Public Works and Safety consider the Westfield Public Works Department to enter into a Hach Service Partnership Agreement for maintenance on equipment apparatuses associated with the water operation facilities.

The Public Works Water Division uses continuous monitoring equipment within all of the City of Westfield Drinking Water Treatment Facility's. This is equipment monitors various water quality parameters and provides instant notification of a water quality changes. This protects the operations and distribution system in the event of equipment malfunction and provide notifications through the SCADA System which allows Water Division to react to a problem and avoid a potentially water quality issue for our customers. The second benefit of continuous monitoring is that it allows Water Division to provide 24/7/265 monitoring of water quality, through our SCADA system which saves approximately 8-10 hours of overtime every week.

The Hach Service Partnership is a maintenance and repair program that Hach offers for all of their equipment. The coverage is on a per instrument basis. A flat fee is paid per instrument and Hach performs four maintenance visits per year and pays for all parts and repairs, at no additional cost to the Water Division. In addition, if there is any instrument equipment failures between service visits, Hach will respond and perform any repairs at their cost.

Initial cost savings potential cost saving could be in the thousands. For example, the Water Division recently replaced a CA610 Fluoride analyzer for \$5,922; this repair would have been covered by the program and would have been replaced for not cost to the Water Division. Additional, the Water Division recently had a Hach Service person out to repair a CLF10 Chlorine Analyzer at a cost of \$927; this repair also will be covered by the Service Partnership.

Figure 1 is a price breakdown of the actual cost of year one of the Partnership. In summary, the annual cost of the partnership is \$7917. When cost of currently purchased material is subtracted, the actual cost of the partnership is \$1159. This is a small price to pay for all maintenance, parts, and repairs on \$35,824 worth of equipment that insures the safety of our customers.

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Figure

CA610- Fluoride Analyzer-2 Units	Unit Cost	Total Cost
Maintenance Kit-1ea. Quarterly	\$156	\$1,248
Electrode Kit- 1 ea. Annually	\$792	\$1,584
Lanthanum Crystal Tip- 1 ea. Annually	\$709	\$709
New Unit- replacement cost	\$5,922	
CL17 Chlorine Analyzer-3 Units	Unit Cost	Total Cost
Maintenance Kit- 1ea. Quarterly	\$188	\$2,256
New Unit- replacement cost	\$3,448	
1720E Turbidity Analyzer-4 Units	Unit Cost	Total Cost
StabCal Calibration solution-1 quarterly	\$212	\$848
Lights- as needed	\$56.50	\$113.00
New Unit- replacement cost	\$2,547	
Total cost for annual maintenance parts		\$6,758
Annual Cost Service Agreement		\$7,917
<b>Actual cost of maintenance equipment coverage</b>		<b>\$1,159</b>
Total value of equipment		\$35,824

The Director of Enterprise for the City of Westfield Administration Division has reviewed the contract and associated cost benefit summary and recommends to Water Division to enter into this agreement.

Therefore, the Westfield Public Works Department recommends that the Board of Public Works and Safety consider the Water Division entering into to the 3 year Hach Service Partnership Agreement and authorize the Director of Public Works to execute this agreement.