



## City Council Staff Report

Date: July 16, 2014

CONSENT CALENDAR

Subject: APPROVAL OF A NOTICE TO PROCEED FOR VEOLIA WATER WEST OPERATING SERVICES, INC., FOR THE LIFT STATIONS COMMUNICATIONS UPGRADE, CITY PROJECT 14-11

From: David H. Ready, City Manager

Initiated by: Public Works and Engineering Department

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### SUMMARY

Approval of this item will authorize Veolia Water West Operating Services, Inc., ("Veolia") to proceed to upgrade the communication and alarming capabilities to the five (5) lift stations they maintain for the Palm Springs Waste Water Treatment Plant.

### RECOMMENDATION:

Authorize the Director of Public Works/City Engineer to issue a Notice to Proceed for Veolia Water West Operating Services, Inc., in the amount of \$35,000 for the Lift Stations Communications Upgrade Project, City Project No. 14-11.

### STAFF ANALYSIS:

The current communication system is based on telephone lines and modems. While it works in its current state, it is problematic and not 100% reliable. Veolia staff uses pagers to receive alarms; however they have problems with the phone lines quite often.

The loss of communications to the Lift Stations lead to gaps in monitoring that increases the potential for a Sanitary Sewer Overflow. Veolia has had communication failures at least once a month for the last 6 months. The failure periods last from 1 day up to 5 days. During the outage periods Veolia staff is only able to do spot checks once or twice a day. The phone lines are all City lines and as such the repairs have to go through to the City.

The existing modem system as connected to the PLC (Programmable Logic Controller – industrial strength computers to monitor and control the plant) is problematic as well. There is feedback from the modem that corrupts the data files in the PLC causing the modem polling to fail, resulting in loss of communications to the Lift Stations. This problem is very intermittent. Veolia staff have been unable to resolve this problem after extensive research and troubleshooting with the equipment manufacturers and vendors. Attached are two reports from Veolia's computerized maintenance systems for your reference.

ITEM NO. 2.4.

The new Mission system that is proposed is based on cellular carrier signals; the vendor claims 99.9% reliability. This will be a web based system, which we would log in to a website to see the status of pumps, wet well levels, etc. This new system also calls a telephone number and notifies the user of what the alarm is and requires a response before it is cleared. The price is for an installed system at each of the five (5) lift stations. Also included is the software to allow us to bring the Lift Station data from the vendor's servers to the Supervisory Control and Data Acquisition (SCADA) system. The M800 Service Package is initially included in this proposal, but will have an annual fee of \$2,817 to maintain the service package per year moving forward. This annual service fee will be included in Veolia's new 15 year contract as part of the Operations and Maintenance costs.

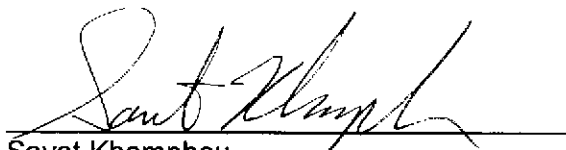
Per agreement with Veolia, "the City agrees not to solicit or retain any Person other than Veolia to design, construct, manage or supervise any Capital Project without inviting Veolia to make a first proposal to do so . . ." Their proposal follows this staff report.

FISCAL IMPACT:

Sufficient funds are available in account No. 420-6800-TBA (Lift Stations Communications Upgrade) and account No. 420-6800-50000 (Unscheduled Capital Projects).

SUBMITTED:

Prepared by:



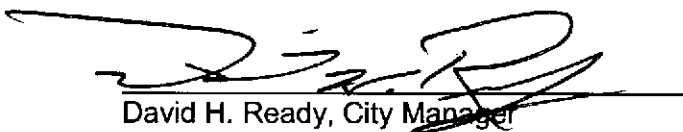
Savat Khamphou  
Assistant Director of Public Works

Recommended by:



David J. Barakian  
Director of Public Works/City Engineer

Approved by:



David H. Ready, City Manager

Attachments:

1. Veolia's Proposal: Palm Springs 2014 Lift Stations Communications Upgrade
2. Veolia's Job + Monthly Maintenance Report
3. Veolia's Loss of Communications Report



**April 22, 2014**  
**City of Palm Springs**  
**2014 Lift Station Communications Upgrade – Project Proposal**

Veolia Water West Operating Services, Inc. is pleased to submit the following proposal to upgrade the communication and alarming capabilities to the (5) lift stations that we maintain. Our current system is based on telephone lines and modems. While it works in its current state, it is problematic and not 100% reliable. Veolia staff uses pagers to receive alarms; however we have problems with the phone lines quite often. They are the Cities phone lines so we have to contact the City for repairs, causing additional delay to get the repairs made. The new Mission system is based on cellular carrier signals; the vendor claims 99.9% reliability. This is a web based system, which we would log in to a website to see the status of pumps, wet well levels, etc. This new system also calls a telephone number and notifies the user of what the alarm is and requires a response before it is cleared. The price is for an installed system at each of the (5) lift stations. Also included is the software to allow us to bring the Lift Station data from the vendor's servers to our SCADA system. The M800 Service Package is initially included in this proposal, but will have an annual fee of \$2,817 to maintain the service package per year moving forward. Our proposal includes:

**Communications Unit**

Mission Communications M800 RFU in Flatpak enclosure w/ Digital Expansion Board (5)  
Mission Service Package for one year  
Dual Band Low Profile Antenna (5)  
Mission Communications SCADA integration software

**Construction Management Services**

Coordinate installation/integration activities.  
Monitor daily progress.  
Monitor schedule.  
Provide monthly reports.  
Monitor construction safety.

**General Liability Insurance**

Veolia general liability insurance

We have negotiated a firm price with Southland Water Technologies (proposal included for reference) who will also complete the installation and integration at the (5) lift stations over a 7 day period.

**Our base not to exceed fee for the project is \$35,000.**

Thank you for the opportunity to present this proposal for the 2014 Lift Station Communications Upgrade Project. We look forward to working with you on this project. Please do not hesitate to contact me should you have any questions or need additional information on this proposal.

Sincerely,



Michelle McLey  
Project Manager  
Veolia Water West Operating Services, Inc.  
562-397-5706 - cell

**Southland Water Technologice**

2588 El Camino Real  
Suite F-510  
Carlsbad, CA 92008  
United States

Voice: 760-230-5231  
Fax: 760-431-7397



**QUOTATION**

Quote Number: 091013-13MC  
Quote Date: Jan 30, 2014  
Page: 1

Drop Shipment  
UPS Ground

**Quoted To:**  
Veolia Water North America  
115 W. Washington Street  
Suite 1450S  
Indianapolis, IN 46204

Veolia Water- City of Palm Springs  
4375 Mesquite Avenue  
Palm Springs, CA 92264  
United States

Customer	Quote Date	Payment Terms	Salesperson
Veolia Water NA	3/1/14	Net 30 Days	KB

Quantity	Part Number	Description	Unit Price	Total Price
QUOTED TO DOUG LOAR - CITY OF PALM SPRINGS WASTEWATER OPERATIONS				
5.00	M803C	Mission Communications M800 RTU in FlatPak Enclosure, includes battery, charger, antenna with bracket, Dallas Keys	1,995.00	9,975.00
5.00	580	M800 Service Package 1 yr	563.40	2,817.00
5.00	650	Digital Expansion Board	495.00	2,475.00
5.00	581	Single Expansion Board Service Adder	60.00	300.00
47.00	AB-700-HK36A1	General purpose Slim Line Relay, 16 Amp contact, SPDT, 120V 50/60Hz	18.00	846.00
47.00	AB-700-HN121	Mini 5-Blade Base Socket, Screw Terminals, Guarded Touch Safe Terminal Construction	17.00	799.00
5.00	415C	Mission Communications ultra low loss antenna cable- 25 feet	104.00	520.00
5.00	411	3db Gain Low Profile Antenna Without Cable. Dual band tamper resistant without cable. Comes with N to TNC female connector	87.00	435.00
1.00	550	New Account Setup Fee	250.00	250.00
5.00	651	Mission Communication wet well module- includes two current sensors	165.00	825.00
1.00	586	Mission Communications SCADA OPC integration software	1,790.00	1,790.00

Subtotal	Continued
Sales Tax	Continued
Freight	Continued
<b>TOTAL</b>	<b>Continued</b>

**Southland Water Technologik**

2588 El Camino Real  
 Suite F-510  
 Carlsbad, CA 92008  
 United States

Voice: 760-230-5231  
 Fax: 760-431-7397



**QUOTATION**

Quote Number: 091013-13MC  
 Quote Date: Jan 30, 2014  
 Page: 2

Drop Shipment  
 UPS Ground

Veolia Water North America  
 115 W. Washington Street  
 Suite 1450S  
 Indianapolis, IN 46204

Veolia Water- City of Palm Springs  
 4375 Mesquite Avenue  
 Palm Springs, CA 92264  
 United States

Customer	Quote Date	Payment Terms	Ship To
Veolia Water NA	3/1/14	Net 30 Days	KB

Quantity	Description	Unit Price	Amount
40.00	Labor	Labor Estimated 8 Hours Per Station, Inclusive of Travel	95.00 3,800.00
Subtotal			24,832.00
Sales Tax			1,589.85
Freight			125.00
<b>TOTAL</b>			<b>26,546.85</b>

**PROJECT DATA INPUT**

Job No.	Project Name	Location	Revision	Date	Job Model
TBD	LIR Station Communication Upgrade	Palm Springs WWTP	0	04/07/14	VLS.PS

**PROPOSAL INFORMATION**

Project Name:	LIR Station Communication Upgrade
Job Number:	TBD
Location:	Palm Springs WWTP
Project Manager:	Michael McLean
Proposal Manager:	Paul Anderson
Date:	4/22/2014
Revision:	0

**Master  
Job Cost Estimate Model  
Version 1.6 City of Palm Springs  
Password (1111)**

**MULTIPLIERS**

	CONTINGENCY	MARK UP		
Construction Subcontractors:	0.0%	12.5%	Estimate Total \$	35,000
Engineering Consultants:	0.0%	12.5%	Mark Up \$	3,318
Intercompany Services:	0.0%	12.5%		
Material & Equipment:	0.0%	12.5%		
Labor:	0.0%	0.0%		
Travel and Living:	0.0%	0.0%		
Taxes Bonds Other:	0.0%	0.0%		
Site Costs:	0.0%	0.0%		
<b>TOTAL:</b>				<b>3,318</b>

**10 - CONSTRUCTION & PROFESSIONAL SERVICES**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
100 Demolition Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
101 Site Remediation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
102 Earthwork Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
103 Civil/Concrete Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
104 General/Building Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
105 Mechanical Installation Subcontractors	\$ 26,547	\$ -	\$ 3,318	\$ 29,865	85.3%
106 Electrical Installation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
107 Field Erected Tanks Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
108 Miscellaneous Installation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
150 Professional Services	\$ -	\$ -	\$ -	\$ -	0.0%
160 Intercompany Services	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 26,547</b>	<b>\$ -</b>	<b>\$ 3,318</b>	<b>\$ 29,865</b>	<b>85.3%</b>

**20 - MATERIAL & EQUIPMENT**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
200 Mechanical Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
210 Electrical Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
220 Intercompany Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
230 Other Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

**30 - LABOR**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
300 Project Management	\$ 4,904	\$ -	\$ -	\$ 4,904	14.0%
305 Senior Project Management	\$ -	\$ -	\$ -	\$ -	0.0%
310 Principal	\$ -	\$ -	\$ -	\$ -	0.0%
320 Administration	\$ -	\$ -	\$ -	\$ -	0.0%
330 Construction Manager	\$ -	\$ -	\$ -	\$ -	0.0%
340 Assistant Project Manager	\$ -	\$ -	\$ -	\$ -	0.0%
350 Sr. Construction Manager	\$ -	\$ -	\$ -	\$ -	0.0%
360 Project Engineer	\$ -	\$ -	\$ -	\$ -	0.0%
370	\$ -	\$ -	\$ -	\$ -	0.0%
380 Labor - Commissions	\$ -	\$ -	\$ -	\$ -	0.0%
390 Operations Labor	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 4,904</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,904</b>	<b>14.0%</b>

**40 - TRAVEL & LIVING / CONCUR**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
400 Travel & Living	\$ -	\$ -	\$ -	\$ -	0.0%
490 Travel & Living Other	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

**41 - (CM) TRAVEL & LIVING / CONCUR**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
410 Travel & Living	\$ -	\$ -	\$ -	\$ -	0.0%
410 Travel & Living Other	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

**50 - TAXES, BONDS, OTHER**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
500 Freight	\$ -	\$ -	\$ -	\$ -	0.0%
500 Surety Bonds	\$ -	\$ -	\$ -	\$ -	0.0%
500 Bid Bonds	\$ -	\$ -	\$ -	\$ -	0.0%
500 Builders Risk Insurance	\$ -	\$ -	\$ -	\$ -	0.0%
500 General Liability Insurance	\$ 231.00	\$ -	\$ -	\$ 231	0.7%
500 Sales & Use Tax	\$ -	\$ -	\$ -	\$ -	0.0%
500 License/Permit Fees	\$ -	\$ -	\$ -	\$ -	0.0%
500 Southern California Edison Installation	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 231</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 231</b>	<b>0.7%</b>

**60 - SITE COSTS**

Cost Code / Phase	Description	Direct Cost	Contingency	Mark up	Total	% of Sell
600	General Site Costs	\$ -	\$ -	\$ -	\$ -	0.0%
600	CM Living Expenses	\$ -	\$ -	\$ -	\$ -	0.0%
610	Fleet Vehicle	\$ -	\$ -	\$ -	\$ -	0.0%
620	Start-up Costs	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

**TOTALS**

<b>Cost</b>	<b>Contingency</b>	<b>Gross Mark Up</b>	<b>Sell</b>	
\$ 31,681.64	\$ -	\$ 3,318.36	\$ 35,000.00	100.0%



# JOB COST ESTIMATE

Job No: **TBD** Project Name: **Lift Station Communication Upgrade** Revision: **0** Date: **4/7/2014** JCE Model: **NAPS**

Account Code	Cost Code	Sub-Ledger SL	Description	Original Cost Budget	Change Order	Adjusted Current Cost Budget
				A	B	C
				A+B		
	<b>10</b>		<b>CONSTRUCTION &amp; PROFESSIONAL SERVICES</b>			
	<b>100</b>					
603010	1001	6657		\$ -	\$ -	\$ -
603010	1002	6657		\$ -	\$ -	\$ -
603010	1003	6657		\$ -	\$ -	\$ -
603010	1004	6657		\$ -	\$ -	\$ -
603010	1005	6657		\$ -	\$ -	\$ -
	<b>101</b>		<b>Site Remediation Subcontractors</b>			
603010	1011	6657		\$ -	\$ -	\$ -
603010	1012	6657		\$ -	\$ -	\$ -
603010	1013	6657		\$ -	\$ -	\$ -
603010	1014	6657		\$ -	\$ -	\$ -
603010	1015	6657		\$ -	\$ -	\$ -
	<b>102</b>		<b>Site Work Subcontractors</b>			
603010	1021	6657		\$ -	\$ -	\$ -
603010	1022	6657		\$ -	\$ -	\$ -
603010	1023	6657		\$ -	\$ -	\$ -
603010	1024	6657		\$ -	\$ -	\$ -
603010	1025	6657		\$ -	\$ -	\$ -
	<b>103</b>		<b>CM/Concrete Subcontractors</b>			
603010	1031	6657		\$ -	\$ -	\$ -
603010	1032	6657		\$ -	\$ -	\$ -
603010	1033	6657		\$ -	\$ -	\$ -
603010	1034	6657		\$ -	\$ -	\$ -
603010	1035	6657		\$ -	\$ -	\$ -
	<b>104</b>		<b>General Building Subcontractors</b>			
603010	1041	6657		\$ -	\$ -	\$ -
603010	1042	6657	0	\$ -	\$ -	\$ -
603010	1043	6657	0	\$ -	\$ -	\$ -
603010	1044	6657	0	\$ -	\$ -	\$ -
603010	1045	6657		\$ -	\$ -	\$ -
	<b>105</b>		<b>Mechanical Installation Subcontractors</b>			
603010	1051	6657	Southland Water Technologies	\$ 26,546.85	\$ -	\$ 26,546.85
603010	1052	6657		\$ -	\$ -	\$ -
603010	1053	6657		\$ -	\$ -	\$ -
603010	1054	6657		\$ -	\$ -	\$ -
603010	1055	6657		\$ -	\$ -	\$ -
	<b>106</b>		<b>Electrical Installation Subcontractors</b>			
603010	1061	6657	0	\$ -	\$ -	\$ -
603010	1062	6657	0	\$ -	\$ -	\$ -
603010	1063	6657	0	\$ -	\$ -	\$ -
603010	1064	6657	0	\$ -	\$ -	\$ -
603010	1065	6657	0	\$ -	\$ -	\$ -
	<b>107</b>		<b>Pipe Erect/Tanks Subcontractors</b>			
603010	1071	6657		\$ -	\$ -	\$ -
603010	1072	6657		\$ -	\$ -	\$ -
603010	1073	6657		\$ -	\$ -	\$ -
603010	1074	6657		\$ -	\$ -	\$ -
603010	1075	6657		\$ -	\$ -	\$ -
	<b>108</b>		<b>Miscellaneous Installation Subcontractors</b>			
603010	1081	6657	0	\$ -	\$ -	\$ -
603010	1082	6657	0	\$ -	\$ -	\$ -
603010	1083	6657		\$ -	\$ -	\$ -
603010	1084	6657		\$ -	\$ -	\$ -
603010	1085	6657		\$ -	\$ -	\$ -
603010	1086	6657		\$ -	\$ -	\$ -
603010	1087	6657		\$ -	\$ -	\$ -
603010	1088	6657		\$ -	\$ -	\$ -
603010	1089	6657		\$ -	\$ -	\$ -
603010	1090	6657		\$ -	\$ -	\$ -
603010	1091	6657		\$ -	\$ -	\$ -
603010	1092	6657		\$ -	\$ -	\$ -
603010	1093	6657		\$ -	\$ -	\$ -
603010	1094	6657		\$ -	\$ -	\$ -
603010	1095	6657		\$ -	\$ -	\$ -
	<b>150</b>		<b>Professional Services</b>			
603125	1501	N/A		\$ -	\$ -	\$ -
603125	1502	N/A	0	\$ -	\$ -	\$ -
603125	1503	N/A	0	\$ -	\$ -	\$ -
603125	1504	N/A	0	\$ -	\$ -	\$ -
603125	1505	N/A	0	\$ -	\$ -	\$ -





# JOB COST ESTIMATE

Job No. **TBD** Project Name **Lift Station Communication Upgrade** Revision **0** Date **4/7/2014** JCE Model **v14.9**

Account Code	Cost Code	Sub-Ledger SL	Description	Original Cost Budget	Change Order	Adjusted Current Cost Budget
603125	1506	N/A		0	\$ -	\$ -
603125	1507	N/A		0	\$ -	\$ -
603125	1508	N/A		0	\$ -	\$ -
603125	1509	N/A		0	\$ -	\$ -
603125	1510	N/A		0	\$ -	\$ -
603125	1511	N/A		0	\$ -	\$ -
603125	1512	N/A		0	\$ -	\$ -
603125	1513	N/A		0	\$ -	\$ -
603125	1514	N/A		0	\$ -	\$ -
603125	1515	N/A		0	\$ -	\$ -
	<b>160</b>		<b>Intracompany Services</b>			
603020	1601	N/A		0	\$ -	\$ -
603020	1602	N/A			\$ -	\$ -
603020	1603	N/A			\$ -	\$ -
603020	1604	N/A			\$ -	\$ -
603020	1605	N/A			\$ -	\$ -
603020	1606	N/A			\$ -	\$ -
603020	1607	N/A			\$ -	\$ -
603020	1608	N/A			\$ -	\$ -
603020	1609	N/A			\$ -	\$ -
603020	1610	N/A			\$ -	\$ -
	<b>20</b>		<b>MATERIAL &amp; EQUIPMENT</b>			
	<b>200</b>		<b>Mechanical Equipment</b>			
606410	2001	N/A		0	\$ -	\$ -
606410	2002	N/A			\$ -	\$ -
606410	2003	N/A			\$ -	\$ -
606410	2004	N/A			\$ -	\$ -
606410	2005	N/A			\$ -	\$ -
606410	2006	N/A			\$ -	\$ -
606410	2007	N/A			\$ -	\$ -
606410	2008	N/A			\$ -	\$ -
606410	2009	N/A			\$ -	\$ -
606410	2010	N/A			\$ -	\$ -
606410	2011	N/A			\$ -	\$ -
606410	2012	N/A			\$ -	\$ -
606410	2013	N/A			\$ -	\$ -
606410	2014	N/A			\$ -	\$ -
606410	2015	N/A			\$ -	\$ -
606410	2016	N/A			\$ -	\$ -
606410	2017	N/A			\$ -	\$ -
606410	2018	N/A			\$ -	\$ -
606410	2019	N/A			\$ -	\$ -
606410	2020	N/A			\$ -	\$ -
	<b>210</b>		<b>Electrical Equipment</b>			
606410	2101	N/A		0	\$ -	\$ -
606410	2102	N/A			\$ -	\$ -
606410	2103	N/A			\$ -	\$ -
606410	2104	N/A			\$ -	\$ -
606410	2105	N/A			\$ -	\$ -
	<b>220</b>		<b>Intracompany Equipment</b>			
606410	2201	N/A			\$ -	\$ -
606410	2202	N/A			\$ -	\$ -
606410	2203	N/A			\$ -	\$ -
606410	2204	N/A			\$ -	\$ -
606410	2205	N/A			\$ -	\$ -
	<b>230</b>		<b>Other Equipment</b>			
606410	2301	N/A		0	\$ -	\$ -
606410	2302	N/A			\$ -	\$ -
606410	2303	N/A			\$ -	\$ -
606410	2304	N/A			\$ -	\$ -
606410	2305	N/A			\$ -	\$ -
	<b>30</b>		<b>LABOR</b>			
	<b>300</b>		<b>Project Management</b>			
601025	3000	N/A	PM No. 1 - Michelle McLeay		\$ 4,903.79	\$ 4,903.79
601382					\$ -	\$ -
607670					\$ -	\$ -
			Total	\$ 4,903.79	\$ -	\$ -
601025	3001	N/A	PM No. 2		\$ -	\$ -
601382					\$ -	\$ -
607670					\$ -	\$ -
			Total	\$ -	\$ -	\$ -
	<b>305</b>		<b>Senior Project Management</b>			
601025	3050	N/A	SR, PM No. 1		\$ -	\$ -



**JOB COST ESTIMATE**

Job No. **TBD** Project Name **Lift Station Communication Upgrade** Revision **0** Date **4/7/2014** JCE Model **VIAPS**

Account Code	Cost Code	Sub-Ledger SL	Description	Original Cost Budget	Change Order	Adjusted Current Cost Budget
	<b>40</b>	N/A	<b>TRAVEL &amp; LIVING / CONCIER</b>			
	<b>400</b>		<b>Travel &amp; Living</b>			
601910	4000	N/A	Meals & Entertainment/Business Meals	\$ -	\$ -	\$ -
601915	4000	N/A	Airfare/Lodging/Car Rental/Mileage/Travel-Other	\$ -	\$ -	\$ -
602515	4000	N/A	Office Supplies-Other	\$ -	\$ -	\$ -
602810	4000	N/A	Postage	\$ -	\$ -	\$ -
604610	4000	6620	Mobile / Cellular Telephone	\$ -	\$ -	\$ -
	<b>410</b>		<b>CM Travel</b>			
601910	4100	N/A	Meals & Entertainment/Business Meals	\$ -	\$ -	\$ -
601915	4100	N/A	Airfare/Lodging/Car Rental/Mileage/Travel-Other	\$ -	\$ -	\$ -
602515	4100	N/A	Office Supplies-Other	\$ -	\$ -	\$ -
602810	4100	N/A	Postage	\$ -	\$ -	\$ -
604610	4100	6620	Mobile / Cellular Telephone	\$ -	\$ -	\$ -
	<b>50</b>		<b>TAXES-BONDS-OTHER</b>			
	<b>500</b>		<b>Taxes - Bonds - Other</b>			
602810	5000	N/A	Freight	\$ -	\$ -	\$ -
604310	5000	N/A	Surety Bonds	\$ -	\$ -	\$ -
604310	5000	N/A	Bid Bonds	\$ -	\$ -	\$ -
604320	5000	N/A	Builders Risk Insurance	\$ -	\$ -	\$ -
607070	5000	N/A	General Liability Insurance	\$ 231.00	\$ -	\$ 231.00
607315	5000	N/A	Sales & Use Tax	\$ -	\$ -	\$ -
607615	5000	N/A	License/Permit Fees	\$ -	\$ -	\$ -
607675	5000	N/A	Southern California Edison estimate - direct pay	\$ -	\$ -	\$ -
	<b>60</b>		<b>SITE COSTS</b>			
	<b>600</b>		<b>General Site Costs</b>			
602510	6000	N/A	Office Equipment Rental / Lease	\$ -	\$ -	\$ -
603010	6000	6224	Cleaning / Janitorial	\$ -	\$ -	\$ -
604610	6000	6610	Long-Distance Telephone	\$ -	\$ -	\$ -
606110	6000	N/A	Water	\$ -	\$ -	\$ -
606115	6000	N/A	Electricity	\$ -	\$ -	\$ -
606125	6000	N/A	Sewage	\$ -	\$ -	\$ -
606135	6000	N/A	Utilities-Other	\$ -	\$ -	\$ -
606420	6000	N/A	Equip/Trailer Rental	\$ -	\$ -	\$ -
607635	6000	N/A	Miscellaneous	\$ -	\$ -	\$ -
See Accounting	6000	N/A	CM Living Expenses	\$ -	\$ -	\$ -
	<b>610</b>		<b>Fleet Vehicle</b>			
602210	6100	N/A	Vehicle Lease Expense	\$ -	\$ -	\$ -
602215	6100	N/A	Vehicle Maintenance/Fuel/Other	\$ -	\$ -	\$ -
	<b>620</b>		<b>Start-up Costs</b>			
605210	6200	Specify	Other Chemicals	\$ -	\$ -	\$ -
603010	6201	6690	Other Outside Services	\$ -	\$ -	\$ -
	<b>70</b>		<b>CONTINGENCY</b>			
	<b>700</b>		<b>Contingency</b>			
606969	7000	N/A	Contingency	\$ -	\$ -	\$ -
				\$ 31,681.64	\$ -	\$ 31,681.64

END OF SHEET

## Palm Springs Monthly Maintenance Report

06/26/2013 To 07/10/2014

Date Complete	WO#	Equipment	Task Description	Assigned To	Hours
7/10/2013	31550	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED	Doug Loar	0.5
<p>WO Notes: Problem: Phone bill for Lift Station Dialer was higher than normal again. Check dialer settings in PLC.            Corrective Action: Found extra character in dialer string. Removed extra character. Downloaded to PLC. Back in service.</p>					
7/15/2013	27249	PLC-MCB - PLC, Admin	PM - Bi-Annual PLC Battery Replacement	Dave Sopko	1
<p>WO Notes: ( x) Replace battery on processor board.</p>					
2/17/2014	33483	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED	Maintenance Crew	3
<p>WO Notes: Problem: Alarm failure, No communications at All Lift Stations..            Corrective Action: Reset CPU at Administration Office, Doug programed and cleared system with the Laptop, Put back system on line... All lift Stations are communicating.. System Good.</p>					
3/17/2014	33686	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED	Dave Sopko	3
<p>WO Notes: Problem: Lift stations loss of communication, Scada data wire framed            Corrective Action: check lift stations for proper operation, reboot plc, ( still wire framed ) download known good program to replace corrupted program on scada. test run ok at this time.</p>					
4/1/2014	34201	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED	Dave Sopko	4
<p>WO Notes: Problem: intermittent loss of communication for lift stations            Corrective Action: replace back plane on plc. nessesary to upload program and reprogram when done</p>					
4/11/2014	34277	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED		1.5
<p>WO Notes: Problem: loss of communication to all lift stations            Corrective Action: Verify problem install known good program into PLC, Test OK</p>					
4/18/2014	34307	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED	Domingo Felix	7

Date Complete	WO#	Equipment	Task Description	Assigned To	Hours
WO Notes: Problem: PLC loss of communications to lift stations. Corrective Action: Reset PLC power. Hard fault. Reset power Soft fault. PLC lost program, reprogram PLC with known good saved program. Run OK.					
4/24/2014	34357	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED	Dave Sopko	3
WO Notes: Problem: Loss of communication to all lift stations Corrective Action: Cycle power to plc. reprogram plc test ok at this time					
5/16/2014	34951	PLC-MCB - PLC, Admin	*CMU - CORRECTIVE MAINTENANCE - UNPLANNED		10
WO Notes: Problem: Loss of communicatins from LS -04, 05. Corrective Action: Switched modems. Reset PLC. Reloaded program into PLC. Switched phone lines at the plant. Nothing seems to work. Intermittent communications failures. Left message for Randy Cobb at the City to contact Verizon. Phone lines were fixed the following Wednesday. All back to normal.					

**Summary**

Total # of WO's	9
Total Hours	33.00

### Lift Station Loss Communication Report

Location	Maintenance type	Task status	Cause of failure	Date/Time planned	Date/Time started	Team leader	Date completed	Completed	Asset Type	Notes
LS #5	LS (CO)	COMP	COM FAIL	6/2/2014 14:00	6/2/2014 18:05	LOPEZ	6/2/2014 18:35	1	LS	
LS #4	LS (CO)	COMP	COM FAIL	6/2/2014 14:00	6/2/2014 17:30	LOPEZ	6/2/2014 18:02	1	LS	
LS #3	LS (CO)	COMP	COM FAIL	6/2/2014 14:00	6/2/2014 17:02	LOPEZ	6/2/2014 17:30	1	LS	
LS #2	LS (CO)	COMP	COM FAIL	6/2/2014 16:00	6/2/2014 16:30	LOPEZ	6/2/2014 17:01	1	LS	Check the LS and make sure the pumps are working.
LS #1	LS (CO)	COMP	COM FAIL	6/2/2014 14:00	6/2/2014 16:00	LOPEZ	6/2/2014 16:30	1	LS	Check the LS and make sure the pumps are working.
LS #4	LS (CO)	COMP	COM FAIL	5/5/2014 17:56	5/5/2014 17:00	KNOLES	5/5/2014 18:00	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	5/3/2014 15:00	5/3/2014 15:00	KNOLES	5/3/2014 18:00	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	4/27/2014 15:30	4/27/2014 15:30	KNOLES	4/27/2014 17:00	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	4/24/2014 9:05	4/24/2014 9:05	HUNTZINGER	4/24/2014 14:42	1	LS	All LS went down, let Dave know so he could fix them.
LS #4	LS (CO)	COMP	COM FAIL	4/24/2014 9:04	4/24/2014 9:04	HUNTZINGER	4/24/2014 14:40	1	LS	All LS went down, let Dave know so he could fix them.
LS #3	LS (CO)	COMP	COM FAIL	4/24/2014 9:03	4/24/2014 9:03	HUNTZINGER	4/24/2014 14:38	1	LS	All LS went down, let Dave know so he could fix them.
LS #2	LS (CO)	COMP	COM FAIL	4/24/2014 9:02	4/24/2014 9:02	HUNTZINGER	4/24/2014 14:26	1	LS	All LS went down, let Dave know so he could fix them.
LS #1	LS (CO)	COMP	COM FAIL	4/24/2014 9:01	4/24/2014 9:01	HUNTZINGER	4/24/2014 14:23	1	LS	All LS went down, let Dave know so he could fix them.
LS #1	LS (CO)	COMP	COM FAIL	4/14/2014 0:00	4/14/2014 0:00	HUNTZINGER	4/14/2014 0:00	1	LS	All LS went down Dave came in and fix them.
LS #2	LS (CO)	COMP	COM FAIL	4/14/2014 7:00	4/14/2014 0:00	HUNTZINGER	4/14/2014 0:00	1	LS	All LS went down Dave came in and fix them.
LS #3	LS (CO)	COMP	COM FAIL	4/14/2014 7:00	4/14/2014 0:00	HUNTZINGER	4/14/2014 0:00	1	LS	All LS went down Dave came in and fix them.
LS #4	LS (CO)	COMP	COM FAIL	4/14/2014 7:00	4/14/2014 0:00	HUNTZINGER	4/14/2014 0:00	1	LS	All LS went down Dave came in and fix them.
LS #5	LS (CO)	COMP	COM FAIL	4/14/2014 7:00	4/14/2014 0:00	HUNTZINGER	4/14/2014 0:00	1	LS	All LS went down Dave came in and fix them.
LS #5	LS (CO)	COMP	COM FAIL	4/10/2014 10:22	4/10/2014 10:22	HUNTZINGER	4/10/2014 11:04	1	LS	All LS went down, let Dave know so he could fix them.
LS #4	LS (CO)	COMP	COM FAIL	4/10/2014 10:10	4/10/2014 10:12	HUNTZINGER	4/10/2014 11:03	1	LS	All LS went down, let Dave know so he could fix them.
LS #3	LS (CO)	COMP	COM FAIL	4/10/2014 10:10	4/10/2014 10:10	HUNTZINGER	4/10/2014 11:01	1	LS	All LS went down, let Dave know so he could fix them.
LS #2	LS (CO)	COMP	COM FAIL	4/10/2014 9:59	4/10/2014 9:59	HUNTZINGER	4/10/2014 10:59	1	LS	All LS went down, let Dave know so he could fix them.
LS #1	LS (CO)	COMP	COM FAIL	4/10/2014 9:58	4/10/2014 9:58	HUNTZINGER	4/10/2014 10:55	1	LS	All LS went down, let Dave know so he could fix them.
LS #3	LS (CO)	COMP	COM FAIL	3/30/2014 8:42	3/30/2014 8:40	KNOLES	3/30/2014 9:40	1	LS	All Lift Stations had Communications Failed, Dave could not fix so Buddy check all LS to make sure everything else is in working condition.
LS #2	LS (CO)	COMP	COM FAIL	3/30/2014 8:39	3/30/2014 8:38	KNOLES	3/30/2014 9:38	1	LS	All Lift Stations had Communications Failed, Dave could not fix so Buddy check all LS to make sure everything else is in working condition.
LS #5	LS (CO)	COMP	COM FAIL	4/27/2014 8:32	3/30/2014 8:27	KNOLES	3/30/2014 9:27	1	LS	All Lift Stations had Communications Failed, Dave could not fix so Buddy check all LS to make sure everything else is in working condition.
LS #4	LS (CO)	COMP	COM FAIL	8/30/2014 8:00	3/30/2014 8:36	KNOLES	3/30/2014 8:36	1	LS	All Lift Stations had Communications Failed, Dave could not fix so Buddy check all LS to make sure everything else is in working condition.
LS #1	LS (CO)	COMP	COM FAIL	3/30/2014 8:00	3/30/2014 8:34	KNOLES	3/30/2014 8:34	1	LS	All Lift Stations had Communications Failed, Dave could not fix so Buddy check all LS to make sure everything else is in working condition.
LS #5	LS (CO)	COMP	COM FAIL	3/29/2014 20:26	3/29/2014 20:24	KNOLES	3/29/2014 21:24	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #4	LS (CO)	COMP	COM FAIL	3/29/2014 20:23	3/29/2014 20:23	KNOLES	3/29/2014 21:23	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #3	LS (CO)	COMP	COM FAIL	3/29/2014 20:20	3/29/2014 20:20	KNOLES	3/29/2014 21:20	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #2	LS (CO)	COMP	COM FAIL	3/29/2014 20:19	3/29/2014 20:17	KNOLES	3/29/2014 21:17	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #1	LS (CO)	COMP	COM FAIL	3/29/2014 20:00	3/29/2014 20:14	KNOLES	3/29/2014 21:14	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #4	LS (CO)	COMP	COM FAIL	1/19/2014 18:00	1/19/2014 18:30	KNOLES	1/19/2014 20:03	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #4	LS (CO)	COMP	COM FAIL	1/19/2014 8:00	1/19/2014 9:30	KNOLES	1/19/2014 11:01	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #4	LS (CO)	COMP	COM FAIL	1/18/2014 15:00	1/18/2014 15:30	KNOLES	1/18/2014 17:00	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #4	LS (CO)	COMP	COM FAIL	1/17/2014 11:30	1/18/2014 11:33	KNOLES	1/18/2014 13:00	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #4	LS (CO)	COMP	COM FAIL	12/27/2013 19:45	12/27/2013 21:45	KNOLES	12/27/2013 22:45	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #4	LS (CO)	COMP	COM FAIL	12/21/2013 10:00	12/21/2013 9:45	RYMER	12/21/2013 11:00	1	LS	All Lift Stations had Communications Failed. Buddy call David to come out and fix them.
LS #5	LS (CO)	COMP	COM FAIL	11/14/2013 11:00	11/14/2013 11:00	RYMER	11/14/2013 11:05	1	LS	Reset the LS
LS #1	LS (CO)	COMP	COM FAIL	11/13/2013 11:01	11/13/2013 11:01	RYMER	11/13/2013 11:05	1	LS	Reset the LS
LS #3	LS (CO)	COMP	COM FAIL	11/13/2013 11:03	11/13/2013 11:03	RYMER	11/13/2013 11:05	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	11/13/2013 11:04	11/13/2013 11:04	RYMER	11/13/2013 11:05	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	11/9/2013 17:00	11/9/2013 16:36	KNOLES	11/9/2013 18:00	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	11/8/2013 10:36	11/7/2013 10:36	KNOLES	11/7/2013 11:36	1	LS	Reset the LS
LS #2	LS (CO)	COMP	COM FAIL	11/13/2013 11:02	11/13/2013 11:02	RYMER	11/6/2013 11:05	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	10/17/2013 6:00	10/17/2013 7:00	RYMER	10/17/2013 8:00	1	LS	Check level in the wet well and make sure the pumps are working.
LS #4	LS (CO)	COMP	COM FAIL	10/14/2013 23:00	10/14/2013 0:00	RYMER	10/14/2013 0:00	1	LS	Reset the station
LS #4	LS (CO)	COMP	COM FAIL	10/13/2013 15:34	10/13/2013 18:33	RYMER	10/13/2013 19:33	1	LS	Check level in the wet well and make sure the pumps are working.
LS #4	LS (CO)	COMP	COM FAIL	10/13/2013 6:00	10/13/2013 6:31	RYMER	10/13/2013 7:31	1	LS	Check level in the wet well and make sure the pumps are working.
LS #4	LS (CO)	COMP	COM FAIL	10/17/2013 15:00	10/12/2013 18:30	RYMER	10/12/2013 19:30	1	LS	Check level in the wet well and make sure the pumps are working.
LS #4	LS (CO)	COMP	COM FAIL	10/12/2013 8:00	10/12/2013 8:00	RYMER	10/12/2013 9:00	1	LS	Check level in the wet well and make sure the pumps are working.
LS #4	LS (CO)	COMP	COM FAIL	10/11/2013 14:00	10/11/2013 13:24	RYMER	10/11/2013 14:24	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	10/11/2013 9:00	10/11/2013 9:20	RYMER	10/11/2013 10:20	1	LS	Reset the LS
LS #3	LS (CO)	COMP	COM FAIL	10/3/2013 4:43	10/3/2013 4:43	KNOLES	10/3/2013 5:43	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	9/22/2013 20:00	9/22/2013 19:21	RYMER	9/22/2013 20:21	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	9/22/2013 8:00	9/22/2013 8:18	RYMER	9/22/2013 9:18	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	9/21/2013 20:00	9/21/2013 20:00	RYMER	9/21/2013 21:00	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	9/21/2013 20:00	9/21/2013 20:00	RYMER	9/21/2013 21:00	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	9/20/2013 18:00	9/20/2013 18:00	RYMER	9/20/2013 19:00	1	LS	Reset the LS
LS #1, #2, #3	LS (CO)	COMP	COM FAIL	9/3/2013 19:56	9/3/2013 19:52	KNOLES	9/3/2013 22:11	1	LS	Communications Failed at all LS. Buddy & Hugo check all LS to make sure everything is running. (All Good)
LS #4	LS (CO)	COMP	COM FAIL	9/2/2013 17:45	9/2/2013 17:45	KNOLES	9/2/2013 18:45	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	9/1/2013 12:15	9/1/2013 12:15	KNOLES	9/1/2013 13:15	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	9/1/2013 9:00	9/1/2013 9:00	KNOLES	9/1/2013 10:00	1	LS	Reset the LS
LS #4	LS (CO)	COMP	COM FAIL	9/1/2013 11:13	9/1/2013 5:00	KNOLES	9/1/2013 6:00	1	LS	Reset the LS

Lift Station Loss Communication Report

Location	Maintenance type	Task status	Cause of failure	Date/Time planned	Date/Time started	Team leader	Date completed	Completed	Asset Type	Notes
LS #5	LS (CO)	COMP	COM FAIL	9/1/2013 1:44	9/1/2013 1:44	KNOLES	9/1/2013 3:00	1	LS	Reset the LS.
LS #4	LS (CO)	COMP	COM FAIL	8/29/2013 16:30	8/29/2013 16:30	KNOLES	8/29/2013 17:05	1	LS	Reset the LS.
LS #1	LS (CO)	COMP	COM FAIL	8/12/2013 14:00	8/12/2013 14:24	HUNTZINGER	8/12/2013 15:00	1	LS	Reset and everything is working.
LS #5	LS (CO)	COMP	COM FAIL	7/31/2013 12:35	7/31/2013 14:45	HUNTZINGER	7/31/2013 15:15	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	7/31/2013 10:00	7/31/2013 10:00	HUNTZINGER	7/31/2013 10:31	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	7/30/2013 4:00	7/30/2013 4:00	KNOLES	7/30/2013 5:00	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	7/26/2013 3:49	7/26/2013 3:49	KNOLES	7/26/2013 4:49	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	7/15/2013 14:00	7/15/2013 15:15	RYMER	7/15/2013 15:30	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	7/15/2013 8:45	7/15/2013 8:45	HUNTZINGER	7/15/2013 9:00	1	LS	Reset the LS
LS #5	LS (CO)	COMP	COM FAIL	7/13/2013 10:00	7/13/2013 10:08	RYMER	7/13/2013 11:08	1	LS	Reset the LS
LS #3	LS (CO)	COMP	COM FAIL	6/16/2013 16:07	6/16/2013 18:07	KNOLES	6/16/2013 19:58	1	LS	Reset and everything is good.
LS #5	LS (CO)	COMP	COM FAIL	6/8/2013 9:00	6/8/2013 9:00	RYMER	6/8/2013 12:00	1	LS	Reset the station
LS #2	LS (CO)	COMP	COM FAIL	5/31/2013 7:00	5/31/2013 7:00	KNOLES	5/31/2013 7:30	1	LS	
LS #1	LS (CO)	COMP	COM FAIL	5/31/2013 6:45	5/31/2013 6:47	KNOLES	5/31/2013 7:15	1	LS	RESET THE LS
LS #1	LS (CO)	COMP	COM FAIL	5/19/2013 12:15	5/19/2013 12:14	KNOLES	5/19/2013 14:14	1	LS	
LS #3	LS (CO)	COMP	COM FAIL	5/1/2013 14:00	5/1/2013 14:00	RYMER	5/1/2013 14:00	1	LS	
LS #2	LS (CO)	COMP	COM FAIL	5/1/2013 13:54	5/1/2013 13:54	RYMER	5/1/2013 13:54	1	LS	
LS #5	LS (CO)	COMP	COM FAIL	5/1/2013 12:32	5/1/2013 12:32	RYMER	5/1/2013 12:32	1	LS	
LS #1	LS (CO)	COMP	COM FAIL	4/30/2013 22:00	4/30/2013 22:00	RYMER	4/30/2013 23:50	1	LS	Lost communications. Eric reset the LS and let Dave know of the lost communications.
All Lift Station LS (CO)	COMP	COM FAIL	12/13/2012 18:55	12/13/2012 18:55	RYMER	12/13/2012 19:30	1	LS	Loss Communication. Reset everything	
All Lift Station LS (CO)	COMP	COM FAIL	12/12/2012 1:30	12/12/2012 1:30	KNOLES	12/12/2012 3:00	1	LS	Loss Communication. Reset everything	
All Lift Station LS (CO)	COMP	COM FAIL	12/2/2012 10:45	12/2/2012 10:45	LOPEZ	12/2/2012 12:31	1	LS	Loss Communication. Reset everything	
All Lift Station LS (CO)	COMP	COM FAIL	12/1/2012 9:30	12/1/2012 9:30	LOPEZ	12/1/2012 11:30	1	LS	Loss Communication. Reset everything	
All Lift Station LS (CO)	COMP	COM FAIL	11/29/2012 17:29	11/29/2012 19:27	LOPEZ	11/29/2012 21:27	1	LS	Loss Communication. Reset everything	
All Lift Station LS (CO)	COMP	COM FAIL	11/28/2012 20:00	11/28/2012 20:00	LOPEZ	11/28/2012 22:00	1	LS	Loss Communication. Reset everything	
LS #1&3	LS (CO)	COMP	COM FAIL	11/25/2012 9:00	11/25/2012 9:00	KNOLES	11/25/2012 10:30	1	LS	Loss Communication. Reset everything
LS #1	LS (CO)	COMP	COM FAIL	11/23/2012 18:49	11/23/2012 18:49	KNOLES	11/23/2012 20:15	1	LS	Loss Communication. Reset everything
LS #1	LS (CO)	COMP	COM FAIL	11/23/2012 8:23	11/23/2012 8:23	KNOLES	11/23/2012 10:00	1	LS	Loss Communication. Reset everything
LS #2	LS (CO)	COMP	COM FAIL	11/23/2012 2:49	11/23/2012 2:49	KNOLES	11/23/2012 3:15	1	LS	Loss Communication. Reset everything
LS #2	LS (CO)	COMP	COM FAIL	11/22/2012 6:00	11/22/2012 6:47	KNOLES	11/22/2012 8:15	1	LS	Loss Communication. Reset everything.
LS #1	LS (CO)	COMP	COM FAIL	11/21/2012 2:00	11/21/2012 2:42	KNOLES	11/21/2012 4:00	1	LS	Loss Communication. Reset everything
LS #2	LS (CO)	COMP	COM FAIL	11/20/2012 9:21	11/20/2012 22:28	KNOLES	11/20/2012 23:00	1	LS	Loss Communication. Reset everything
LS #2	LS (CO)	COMP	COM FAIL	11/20/2012 9:17	11/20/2012 19:28	KNOLES	11/20/2012 21:00	1	LS	Loss Communication. Reset everything
LS #4	LS (CO)	COMP	COM FAIL	11/20/2012 3:01	11/20/2012 3:06	KNOLES	11/20/2012 4:02	1	LS	Loss Communication. Reset everything
LS #4	LS (CO)	COMP	COM FAIL	11/19/2012 19:51	11/19/2012 19:51	KNOLES	11/19/2012 20:59	1	LS	Loss Communication. Reset everything
LS #4	LS (CO)	COMP	COM FAIL	11/19/2012 3:19	11/19/2012 3:19	KNOLES	11/19/2012 4:50	1	LS	Loss Communication. Reset everything
LS #4	LS (CO)	COMP	COM FAIL	11/18/2012 16:19	11/18/2012 17:19	KNOLES	11/18/2012 20:00	1	LS	Loss Communication. Reset everything
LS #2	LS (CO)	COMP	COM FAIL	11/14/2012 10:11	11/14/2012 18:10	KNOLES	11/14/2012 19:10	1	LS	Loss Communication. Reset everything
LS #5	LS (CO)	COMP	COM FAIL	11/12/2012 10:05	11/12/2012 2:30	RYMER	11/12/2012 3:45	1	LS	Loss Communication. Reset everything
All Lift Station LS (CO)	COMP	COM FAIL	11/11/2012 10:02	11/11/2012 11:00	RYMER	11/11/2012 13:00	1	LS	Loss Communication. Reset everything	
All Lift Station LS (CO)	COMP	COM FAIL	11/10/2012 6:00	11/10/2012 6:30	RYMER	11/10/2012 7:30	1	LS	Loss Communication. Reset everything	
All Lift Station LS (CO)	COMP	COM FAIL	11/9/2012 12:00	11/9/2012 12:00	RYMER	11/9/2012 13:30	1	LS	Loss Communication. Reset everything	
LS #5	LS (CO)	COMP	COM FAIL	11/7/2012 18:00	11/7/2012 18:06	RYMER	11/7/2012 18:30	1	LS	Loss Communication
LS #2	LS (CO)	COMP	COM FAIL	11/7/2012 16:00	11/7/2012 16:04	GUEVARA	11/7/2012 16:15	1	LS	Loss Communication
LS #5	LS (CO)	COMP	COM FAIL	11/7/2012 15:00	11/7/2012 15:45	KNOLES	11/7/2012 16:02	1	LS	Loss Communication
LS #1,2,3,4,5 LS (CO)	COMP	COM FAIL	8/12/2012 16:00	8/12/2012 16:00	KNOLES	8/12/2012 19:00	1	LS	Made sure all lift stations are back on line.	
LS # 1,2,3,4,5 LS (CO)	COMP	COM FAIL	8/12/2012 8:10	8/12/2012 11:00	KNOLES	8/12/2012 14:00	1	LS	Lost communications at all lift stations	
LS# 2	LS (CO)	COMP	COM FAIL	8/5/2012 11:21	8/5/2012 13:30	KNOLES	8/5/2012 15:30	1	LS	Lost communications
LS# 2	LS (CO)	COMP	COM FAIL	8/4/2012 11:19	8/4/2012 19:00	KNOLES	8/4/2012 21:00	1	LS	Lost communications
LS #2	LS (CO)	COMP	COM FAIL	8/4/2012 11:17	8/4/2012 14:00	KNOLES	8/4/2012 16:00	1	LS	Lost communications
LS #2	LS (CO)	COMP	COM FAIL	7/29/2012 23:00	7/29/2012 23:00	LOPEZ	7/29/2012 23:55	1	LS	Lost communications
LS #2	LS (CO)	COMP	COM FAIL	7/29/2012 20:30	7/29/2012 20:30	LOPEZ	7/29/2012 21:30	1	LS	Lost communications
LS #4	LS (CO)	COMP	COM FAIL	6/4/2012 14:00	6/4/2012 14:00	HUNTZINGER	6/5/2012 14:30	1	LS	
LS #4	LS (CO)	COMP	COM FAIL	5/26/2012 16:40	5/26/2012 11:00	KNOLES	5/26/2012 13:00	1	LS	
LS #4	LS (CO)	COMP	COM FAIL	5/19/2012 14:42	5/19/2012 15:00	RYMER	5/19/2012 16:00	1	LS	
LS #5	LS (CO)	COMP	COM FAIL	5/16/2012 10:00	5/16/2012 10:00	BRAVO	5/16/2012 10:30	1	LS	Loss Communication. Reset the LS.
LS #2	LS (CO)	COMP	COM FAIL	2/20/2012 14:12	2/20/2012 2:30	HUNTZINGER	2/20/2012 18:00	1	LS	