



## City Council Staff Report

Date: October 15, 2014 CONSENT CALENDAR

Subject: APPROVAL OF A NOTICE TO PROCEED FOR VEOLIA WATER WEST OPERATING SERVICES, INC., FOR THE CONSTRUCTION OF THE 2014 SEWER COLLECTION SYSTEM REPAIRS AND FOR THE CONSTRUCTION PHASE OF THE TWO SOUTHERLY TRICKLING FILTERS ARM REPLACEMENT PROJECT, CITY PROJECTS 14-10 AND 14-12, RESPECTIVELY

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 with the construction of the 2014 Sewer Collection System Repairs project at various locations throughout the City of Palm Springs and proceed with the two southerly Trickling Filters Arm Replacements.

### RECOMMENDATION:

1. 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 \$469,978 for the construction of the Sewer Collection System Repair Project, City Project No. 14-10.
2. 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 \$422,294 for the installation the two southerly Trickling Filters Arm Replacement project, City Project No. 14-12.

### STAFF ANALYSIS:

#### **CP 14-10, 2014 Sewer System Repairs:**

The City has approximately 230 miles of sewer mainline in the collection system that transports sewerage to the Wastewater Treatment Plant (WWTP). The City's contract with Veolia includes monitoring the collection system network. Veolia routinely video tapes, records, and rates the sewer mainlines. Per agreement with the City, Veolia is allocated \$2,500 per month to pay for minor individual repairs to the sewer collection system. When the needed repair exceeds these costs, a capital improvement project is initiated. Veolia proposes to perform these major repairs

to keep the system continually safe and operable. Through the Collections Department at the Wastewater Treatment Plant, Veolia has identified various locations in need of repair. The repairs consist of removal and replacement of damaged mainline sewer collection pipe, Cured-In-Place Pipe (CIPP) Point Repair and Lining, and 30 manhole repairs throughout the City as identified by Veolia's Pipeline Assessment Certification Program (PACP), rated 3 or higher, 5 being the worst condition.

Two of the three preselected contractors in the Coachella Valley responded to Veolia's request for invitation to bid:

1. G&M Construction, Palm Springs, CA; Bid Amount: \$355,455
2. Tri-Star Contracting II, Inc., Desert Hot Springs, CA; Bid amount \$360,897

The estimated construction cost per Veolia was \$270,000. The winning bid of \$355,455 by G&M Construction is being used for this proposal.

Veolia has submitted a proposal to the City for the construction phase of this project which includes the following items:

1. Professional Construction Services	\$399,876 (includes 12.5% mark-up)
2. Veolia Construction Management Services	\$ 64,956
3. Travel & Living Expenses	\$ 2,800
4. General Liability Insurance	<u>\$ 2,346*</u>
Total:	\$469,978

*\*With any capital project undertaken at the WWTP, Veolia operates as the general contractor under its own contractor's license. As the general contractor, Veolia is responsible for ensuring all construction is performed in accordance with State and federal rules and regulations, and is liable for all risks and damages that may occur. Accordingly, Veolia obtains general liability insurance for each project, which is passed as a direct cost to the City.*

#### **CP 14-12, Trickling Filter Arm Replacements:**

The City and Veolia continue to coordinate on various capital improvement projects at the City's WWTP. The original trickling filter arms to all four trickling filters were installed in 1978 and have been in continual use for over 34 years. In 2002, the existing lower rotary bearing units were replaced with mast type center bearing assemblies. At that time the arms were assessed and it was determined that they were not in need of replacement but would need to be replaced at a later date. Twelve years later, that time has come. Last year, in order to provide continuity of service, only the two northerly trickling filters' arms were replaced. Veolia is now proposing to replace the two remaining southerly trickling filters' arms.

Ovivo USA, LLC is the "Sole" manufacturer and exclusive distributor of the trickling filter arms for the WWTP. Ovivo's proposal for parts and installation is \$332,535.

Veolia's has submitted a proposal to the City for the construction phase of this project which includes the following items:

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1. Professional Construction Services	\$374,102 (includes 12.5% mark-up)
2. Veolia Construction Management Services	\$ 45,997
3. General Liability Insurance	\$ 2,195*
Total:	\$422,294

*\*With any capital project undertaken at the WWTP, Veolia operates as the general contractor under its own contractor's license. As the general contractor, Veolia is responsible for ensuring all construction is performed in accordance with State and federal rules and regulations, and is liable for all risks and damages that may occur. Accordingly, Veolia obtains general liability insurance for each project, which is passed as a direct cost to the City.*

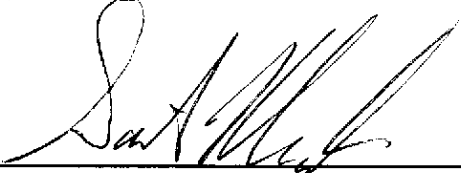
In accordance with Section 5.3 (f) of the Amended and Restated Wastewater Services Agreement between the City and Veolia, Veolia is entitled to make a first proposal to do any Capital Project related to the wastewater treatment plant. The Agreement provides for a mark-up and profit margin varying between 12.5% and 16%. For this project, Veolia has proposed a 12.5% mark-up (the lowest mark-up available by contract) which is not applied to Veolia's own labor rates and general liability insurance cost.

FISCAL IMPACT:

Sufficient funds are available in account No. 420-6800-57030 (Sewer System Repair), account No. 520-6800-57028 (Trickling Filter Rotator), and account No. 420-6800-50000 (Unscheduled Capital Projects).

SUBMITTED:

Prepared by:



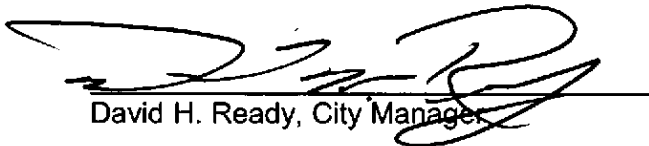
Savat Khamphou  
Assistant Director of Public Works

Recommended by:



David J. Barakian  
Director of Public Works/City Engineer

Approved by:



David H. Ready, City Manager

Attachments:

1. Veolia's 2014 Sewer Collection System Repair - Construction Proposal
2. Veolia's 2014 WWTP Trickling Filter Arm Replacement Project Proposal



**September 15, 2014**  
**City of Palm Springs**  
**2014 Sewer Collection System Repair – Construction Proposal**

Veolia Water West Operating Services, Inc. is pleased to submit the following proposal to repair manholes and repair sections of mainline sewer collection pipe identified by our certified CCTV inspectors and NASSCO (the nationally recognized leader in setting industry standards for the rehabilitation of underground utilities) Pipeline Assessment Certification Program (PACP) rated 3 or higher (ratings are from 1-5, 5 being the worst condition). Our proposal includes:

**Removal and Replacement of damaged pipe**

Removal and replacement by open cut method at 12 locations.

**CIPP Point Repair**

7 short length repairs of 10ft or less that can be made inside the mainline sewer pipe.

**CIPP Lining**

7 repair sections of pipe interior lining manhole to manhole.

**Manhole Repair**

30 repairs to manholes either by replacing ring and cover or raising manhole.

**Traffic Control**

Traffic control is to be provided for each repair.

**Permits**

Each repair will require an application for a separate no cost permit by the City of Palm Springs.

**Construction Management Services**

Coordinate day to day construction activities.  
Monitor daily progress.  
Monitor construction schedule.  
Provide monthly reports.  
Track progress.  
Monitor construction safety.  
Review post construction CCTV and verify that repairs were completed.  
Assist in the preparation of permits  
Monitor notifications required in specifications

**General Liability Insurance**

Veolia general liability insurance

Two of the three preselected contractors in the Coachella Valley we requested bids from responded to our request for proposal. G&M Construction bid \$355,445.00 and Tristar Contracting II, Inc. bid \$360,897.00. Our approximate value of the construction cost sent with the bid documents was \$270,000.00. The winning bid of \$355,445.00 by G&M Construction is being used for this proposal. The construction will be per plans and specifications prepared for this project and included in the bid request documents, a copy of which is included in the electronic documents submitted with this proposal. Exclusions to this proposal are hazardous material removal. The list of repairs is not inclusive of all repairs needed for the collection system.

**Our base not to exceed fee for the project is \$469,978.**

Thank you for the opportunity to present this proposal for the 2014 Sewer Collection System Repair 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

2014 Sewer Collections Repair Construction Project

1 Mobile/Demobilization		Lump Sum not to exceed 5% of total bid											
Upstream MH	Downstream MH	Street Name	Cross Street	Pipe Size	Type of Pipe Material	Video Direction	Date	Approximate Estimated Begin Damage	Approximate Estimated End Damage	PACP Quick Rating	A Rand R	B CIPP Point Repair	C CIPP Lining
2	D10067	D10065	BELARDO RD	BARISTO RD	6"	VCP	Downstream	4/21/2008	011.6	014.3	5211		
3	H10012	H10011	EL CIELO RD	RAMON RD	12"	VCP	Downstream	4/28/2014	035.3	231.5	2113	X	X
4	G09121	G09119	TAHQUITZ CANYON WY	LOUELLA RD	8"	VCP	Upstream	3/14/2014	012.9	209.5	5100		X
5	D01035	D02069	PALM VISTA DR	COROZON AVE	8"	VCP	Downstream	2/10/2010	028.4	053.8	3212	X	
6	C11005	C11003	LA MIRADA RD	SUNNY DUNES RD	8"	VCP	Downstream	9/1/2010	066.3	066.3	5111		X
7	C10021	C10019	RAMON RD	FERN CANYON DR	8"	VCP	Downstream	9/7/2010	027.8	027.8	5100		X
8	K10002	K11053	SAN LUIS REY DR	RAMON RD	15"	VCP	Downstream	3/22/2011	012.0	144.6	5131	X	
9	E05057	E15031	EASEMENT (JAQUES DR)	VISTA CHINO	8"	VCP	Downstream	9/20/2012	042.7	325.8	5141		X
10	C06095	C06093	ROSE AVE	STEVENS RD	8"	VCP	Downstream	10/29/2012	004.4	199.1	4131		X
11	C06091	C06077	FRIAR CT	LOS ROBLES DR	8"	VCP	Downstream	11/5/2012	063.9	144.4	3321		X
12	C07077	C07053	VIA MONTE VISTA	LEISURE WAY	8"	VCP	Downstream	1/8/2013	089.4	090.3	5223		X
13	F08107	F08105	ALEJO RD	SUNRISE WAY	12"	VCP	Down/Upstrm	4/24/2013	015.4	019.0	5100	X	
14	D07149	D07147	TACHEVAH DR	AVENIDA OLIVOS	8"	VCP	Downstream	8/5/2013	001.6	213.8	5131		X
15	E06117	E06115	VIA DONNA	DIANA CIR	8"	VCP	Down/Upstrm	9/10/2013	009.3	009.3	5232	X	
16	D07115	D07113	VALMONTE DEL NORTE	VIA CHICA	8"	VCP	Downstream	10/24/2013	109.5	109.5	5123		X
17	F08047	G08019	BELDING DR	CERRITOS DR	8"	VCP	Downstream	1/24/2014	093.4	093.4	5111	X	
18	E09011	E09010	E TAHQUITZ CANYON DR	AVENIDA CABALLEROS	10"	VCP	Downstream	1/16/2014	150.9	150.9	5431	X	
19	E09050	E09049	ANDREAS RD	CALLE EL SEGUNDO	8"	VCP	Downstream	1/14/2014	085.1	085.1	5314	X	
20	D09031	D09015	BELARDO RD	ARENAS RD	8"	VCP	Upstream	3/27/2014	171.0	171.0	5121	X	
21	H10013	H10012	EL CIELO RD	RAMON RD	12"	VCP	Downstream	4/28/2014	033.1	065.7	3115		X
22	D06017	D07081	N PALM CANYON DR	TACHEVAH AVE	10"	VCP	Downstream	5/9/2013	082.2	082.2	5131	X	
23	E05109	E05025	COTTONWOOD RD	AVENIDA CABALLEROS	8"	VCP	Downstream	5/7/2013	230.0	240.0	4131	X	
24	D06017	D07081	N PALM CANYON	TACHEVAH DR	10"	VCP	Downstream	5/9/2013	231.8	237.5	5131	X	
25	E16057	E16055	CAMINO REAL	VIA LAZO	8"	VCP	Downstream	9/8/2008	117.7	118.7	5111		X
26	H08001	H09031	EL CIELO RD	AVIATION	12"	VCP	Downstream	7/15/2014	031.0	150.0	3123		X

## 2014 Collection System Repair Project Manhole Repair List

<u>Manhole Number</u>	<u>Street Name</u>	<u>Cross Street</u>	<u>Ring and Cover</u>	<u>Raise</u>
F10073	Ramon Rd	Hermosa Dr	X	
F10072	Ramon Rd	Hermosa Dr	X	
F10051	Ramon Rd	Sunrise Way	X	
F10049	Ramon Rd	Cerritos Dr	X	
G10081	Ramon Rd	Farrell Dr	X	
H10039	Ramon Rd	Compadre Rd	X	
H10037	Ramon Rd	El Cielo Rd	X	
H10007	Ramon Rd	Desert View Dr	X	
H10015	El Cielo Rd	Ramon Rd		X
H09031	El Cielo Rd	Aviation Way		X
F09015	Sunrise Way	E Tahquitz Canyon Way	X	
F09017	Sunrise Way	E Tahquitz Canyon Way	X	
F09019	Sunrise Way	E Tahquitz Canyon Way	X	
F09025	Sunrise Way	Amado Rd	X	
F06111	Sunrise Way	Tachevah Dr	X	
F06141	Sunrise Way	Paseo El Mirador	X	
F06117	Sunrise Way	Mel Ave	X	
F06119	Sunrise Way	Chia Rd	X	
E09057	Avenida Caballeros	E Tahquitz Canyon Way	X	
E08041	Avenida Caballeros	Via Colusa	X	
D07094	Tamarisk Rd	N Palm Canyon Dr		X
E08059	Via Miraleste	Via Colusa		X
D09065	Indian Canyon Dr	Arenas Rd	X	
D10111	Indian Canyon Dr	Baristo Rd	X	
D10021	Indian Canyon Dr	Baristo Rd	X	
D13069	E Palm Canyon Dr	W Palm Canyon Dr	X	
D13063	E Palm Canyon Dr	Via Salida	X	
D13075	S Palm Canyon Dr	W Palm Canyon Dr		X
D13077	S Palm Canyon Dr	El Camino Way		X
D14043	S Palm Canyon Dr	El Portal	X	
<b>**All Old Manhole Covers will be returned to Veolia at the Palm Springs Wastewater Treatment Plant upon removal.**</b>				

**PROJECT DATA INPUT**

Job No.	Project Name	Location	Revision	Date	JCE Model
1008134	2014 Collection System Repair Construction	Palm Springs WWTP	1	09/13/14	VI 8 PS

**PROPOSAL INFORMATION**

Project Name:	2014 Collection System Repair Bid Package
Job Number:	1008134
Location:	Palm Springs WWTP
Project Manager:	Michelle McLey
Proposal Manager:	Fadi Alabbas
Date:	9/13/2014
Revision:	1

**Master  
Job Cost Estimate Model  
Version 1.8 City of Palm Springs  
Password (1111)**

**MULTIPLIERS**

	CONTINGENCY	MARK UP	
Construction Subcontractors:	0.0%	12.5%	Estimate Total \$ 469,978
Engineering Consultants:	0.0%	12.5%	Mark Up \$ 44,431
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>\$ -</b>	<b>\$ 44,431</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	\$ 355,445	\$ -	\$ 44,431	\$ 399,876	85.1%
105 Mechanical Installation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
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>\$ 355,445</b>	<b>\$ -</b>	<b>\$ 44,431</b>	<b>\$ 399,876</b>	<b>85.1%</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	\$ 13,412	\$ -	\$ -	\$ 13,412	2.9%
305 Senior Project Management	\$ -	\$ -	\$ -	\$ -	0.0%
310 Principal	\$ 3,608	\$ -	\$ -	\$ 3,608	0.8%
320 Administration	\$ -	\$ -	\$ -	\$ -	0.0%
330 Construction Manager	\$ 47,936	\$ -	\$ -	\$ 47,936	10.2%
340 Assistant Project Manager	\$ -	\$ -	\$ -	\$ -	0.0%
350 Sr. Construction Manager	\$ -	\$ -	\$ -	\$ -	0.0%
360 Project Engineer	\$ -	\$ -	\$ -	\$ -	0.0%
370 x	\$ -	\$ -	\$ -	\$ -	0.0%
380 Labor - Commissions	\$ -	\$ -	\$ -	\$ -	0.0%
390 Operations Labor	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 64,956</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 64,956</b>	<b>13.8%</b>

**40 - TRAVEL & LIVING / CONCUR**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
400 Travel & Living	\$ 2,800	\$ -	\$ -	\$ 2,800	0.6%
400 Travel & Living Other	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 2,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,800</b>	<b>0.6%</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	\$ 2,345.94	\$ -	\$ -	\$ 2,346	0.5%
500 Sales & Use Tax	\$ -	\$ -	\$ -	\$ -	0.0%
500 License/Permit Fees	\$ -	\$ -	\$ -	\$ -	0.0%
500 Southern California Edison Installation	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 2,346</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,346</b>	<b>0.5%</b>

**60 - SITE COSTS**

Cost Code / Phase	Description	Direct Cost	Contingency	Mark up	Total	% of Sell
800	General Site Costs	\$ -	\$ -	\$ -	\$ -	0.0%
800	CM Living Expenses	\$ -	\$ -	\$ -	\$ -	0.0%
810	Fleet Vehicle	\$ -	\$ -	\$ -	\$ -	0.0%
820	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>	
\$ 425,547.17	\$ -	\$ 44,430.63	\$ 469,977.79	100.0%





**September 15, 2014  
City of Palm Springs  
2014 WWTP Trickling Filter Arm Replacement ST-ME-07 and ST-ME-08– Project Proposal**

Veolia Water West Operating Services, Inc. is pleased to submit the following proposal to install replacement arms for the remaining two existing 140' arms on the two southerly trickling filters at the Palm Springs Waste Water Treatment Plant. The technical names for the last two trickling filters that need the arm replacement are ST-ME-07 and ST-ME-08. The original arms were installed in 1978 and have been in almost continual use for over 35 years. In 2002, the existing lower rotary bearing units were replaced with mast type center bearing assemblies. At that time the arms were assessed and it was determined that they were not in need of replacement but would need to be replaced at a later date. Twelve years later that time has come. The project includes:

**Replacement Rotary Distributor Arm Assembly**

Two (2) primary and two (2) secondary arms made of ½" thick carbon steel with high density galvanizing including upper and stabilizer bearing assemblies.

All hardware and tie rods (304 stainless steel) and gaskets necessary to install the arms

Shipping

Installation

1 year warranty

**Construction Management Services**

Coordinate day to day construction activities with plant operations

Monitor daily progress

Monitor construction schedule

Provide monthly reports

Track progress

Monitor construction safety

**General Liability Insurance**

Veolia general liability insurance

Ovivo is the sole source for the arm replacement. Included with our proposal is their sole source letter.

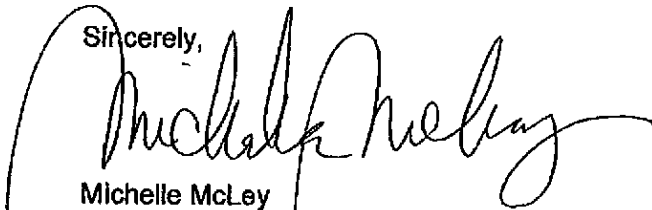
**Timing**

The trickling filters are a biological process. When the arm operation is stopped or hindered (the arms no longer operate as intended), the biological component of the process dies off from lack of water and food. During the summer, the process can be started back up in approximately 30 days, once the arms are functioning as intended. At the plant, we need at least two trickling filters online and one operating as a backup during the non-peak season (summer). There is a long lead time for the offsite manufacturing of the arms and equipment. That lead time along with the 30 day minimum gap (for the biological process to start back up) between the first arm installation and the second installation results in a long overall time to get the project completed before the start of the peak season.

**Our base not to exceed fee for the project is \$422,294.**

The lead time on materials for this project is 8-10 weeks. If we receive approval by mid-May we will be on schedule to have a target date of August to begin work in the field. Thank you for the opportunity to present this proposal for the 2014 Trickling Filter Arm Replacement 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





**Project Cost  
Summary Sheet  
City of Palm Springs**

**PROJECT DATA INPUT**

Job No.	Project Name	Location	Revision	Date	JCE Model
TBD	2014 Trickling Filter Arm Replacement	Palm Springs WWTP	0	04/22/14	V1.8 PS

PROPOSAL INFORMATION

Project Name:	2014 Trickling Filter Arm Replacement
Job Number:	TBD
Location:	Palm Springs WWTP
Project Manager:	Michelle McLey
Proposal Manager:	Fadi Alabbas
Date:	4/22/2014
Revision:	0

**Master  
Job Cost Estimate Model  
Version 1.8 City of Palm Springs  
Password (1111)**

**MULTIPLIERS**

	CONTINGENCY	MARK UP		
Construction Subcontractors:	0.0%	12.5%	Estimate Total \$	422,294
Engineering Consultants:	0.0%	12.5%	Mark Up \$	41,567
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>\$</b>	<b>\$</b>	<b>41,567</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	\$ 332,535	\$ -	\$ 41,567	\$ 374,102	88.6%
105 Mechanical Installation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
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>\$ 332,535</b>	<b>\$ -</b>	<b>\$ 41,567</b>	<b>\$ 374,102</b>	<b>88.6%</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	\$ 38,782	\$ -	\$ -	\$ 38,782	9.2%
305 Senior Project Management	\$ -	\$ -	\$ -	\$ -	0.0%
310 Principal	\$ 7,216	\$ -	\$ -	\$ 7,216	1.7%
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 x	\$ -	\$ -	\$ -	\$ -	0.0%
380 Labor - Commissions	\$ -	\$ -	\$ -	\$ -	0.0%
390 Operations Labor	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 45,997</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,997</b>	<b>10.9%</b>

**40 - TRAVEL & LIVING / CONCUR**

Description	Direct Cost	Contingency	Mark up	Total	% of Sell
400 Travel & Living	\$ -	\$ -	\$ -	\$ -	0.0%
400 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	\$ 2,194.73	\$ -	\$ -	\$ 2,195	0.5%
500 Sales & Use Tax	\$ -	\$ -	\$ -	\$ -	0.0%
500 License/Permit Fees	\$ -	\$ -	\$ -	\$ -	0.0%
500 Southern California Edison installation	\$ -	\$ -	\$ -	\$ -	0.0%
<b>SUBTOTAL:</b>	<b>\$ 2,195</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,195</b>	<b>0.5%</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**

Cost	Contingency	Gross Mark Up	Sell	
\$ 380,726.93	\$ -	\$ 41,566.88	\$ 422,293.81	100.0%