

OTAY WATER DISTRICT
ENGINEERING, OPERATIONS & WATER RESOURCES COMMITTEE MEETING
and
SPECIAL MEETING OF THE BOARD OF DIRECTORS

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA
Board Room

WEDNESDAY
September 28, 2011
11:30 A.M.

This is a District Committee meeting. This meeting is being posted as a special meeting in order to comply with the Brown Act (Government Code Section §54954.2) in the event that a quorum of the Board is present. Items will be deliberated, however, no formal board actions will be taken at this meeting. The committee makes recommendations to the full board for its consideration and formal action.

AGENDA

1. ROLL CALL
2. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

DISCUSSION ITEMS

3. APPROVE A CONSTRUCTION CONTRACT WITH 3-D ENTERPRISES, INC. IN AN AMOUNT NOT-TO-EXCEED \$53,500 FOR HVAC IMPROVEMENTS AT THE 803-1 AND 850-2 PUMP STATIONS (MARCHIORO) [5 minutes]
4. APPROVE AN AS-NEEDED ENGINEERING DESIGN SERVICES CONTRACT WITH ATKINS IN AN AMOUNT NOT-TO-EXCEED \$175,000 FOR FISCAL YEARS 2012 AND 2013 (KAY) [5 minutes]
5. APPROVE AN AS-NEEDED CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES CONTRACT WITH VALLEY CONSTRUCTION MANAGEMENT IN AN AMOUNT NOT-TO-EXCEED \$175,000 FOR FISCAL YEARS 2012 AND 2013 (KAY) [5 minutes]
6. APPROVE AN AS-NEEDED TRAFFIC ENGINEERING SERVICES CONTRACT WITH INFRASTRUCTURE ENGINEERS IN AN AMOUNT NOT-TO-EXCEED \$175,000 FOR FISCAL YEARS 2012 AND 2013 (CAMERON) [5 minutes]
7. APPROVE THE WATER SUPPLY ASSESSMENT REPORT DATED JULY 2011 FOR THE PIO PICO ENERGY CENTER PROJECT AS REQUIRED BY SENATE BILL 610 (KENNEDY) [10 minutes]
8. REVIEW OF THE DISTRICT'S REGIONAL POWER OUTAGE REPORT
9. SAN DIEGO COUNTY WATER AUTHORITY UPDATE (WATTON) [10 minutes]
10. ADJOURNMENT

BOARD MEMBERS ATTENDING:

Jose Lopez, Chair
Gary Croucher

All items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

The Agenda, and any attachments containing written information, are available at the District's website at www.otaywater.gov. Written changes to any items to be considered at the open meeting, or to any attachments, will be posted on the District's website. Copies of the Agenda and all attachments are also available through the District Secretary by contacting her at (619) 670-2280.

If you have any disability that would require accommodation in order to enable you to participate in this meeting, please call the District Secretary at 670-2280 at least 24 hours prior to the meeting.

Certification of Posting

I certify that on September 23, 2011 I posted a copy of the foregoing agenda near the regular meeting place of the Board of Directors of Otay Water District, said time being at least 24 hours in advance of the meeting of the Board of Directors (Government Code Section §54954.2).

Executed at Spring Valley, California on September 23, 2011.



Susan Cruz, District Secretary



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	October 5, 2011
SUBMITTED BY:	Jeff Marchioro <i>JM</i> Senior Civil Engineer	PROJECT/ SUBPROJECT:	P2502-001102 DIV. 5 P2503-001102 NO.
	Ron Ripperger <i>RR</i> Engineering Manager		
APPROVED BY: (Chief)	Rod Posada <i>RP</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña <i>M Magaña</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Award of a Construction Contract to 3-D Enterprises, Inc. for HVAC Improvements at the 803-1 and 850-2 Pump Stations		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board of Directors (Board) awards a construction contract to 3-D Enterprises, Inc. (3-D Enterprises) and to authorize the General Manager to execute an agreement with 3-D Enterprises in an amount not-to-exceed \$53,500 for HVAC improvements at the 803-1 and 850-2 Pump Stations (see Exhibit A for Project location).

COMMITTEE ACTION: _____

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the General Manager to enter into a construction contract with 3-D Enterprises in an amount not-to-exceed \$53,500 for HVAC improvements at the 803-1 and 850-2 Pump Stations.

ANALYSIS:

The 803-1 and 850-2 Pump Stations are located adjacent to each other at the Regulatory Site. Both Pump Stations currently lift water from the 520 Reservoirs to their respective pressure zones. With the new 640-1 and 640-2 Reservoirs in place since 2008, and the completion of the 36-inch Jamacha Road pipeline in the fall of 2010, the District now has the opportunity for significant energy cost savings by modifying these stations to enable pumping from the 640-1 and 640-2 Reservoirs rather than the 520-2 and 520-3 Reservoirs.

To accomplish this change in pumping operation, it is necessary to replace the motor starters in the existing motor control centers (MCCs) with variable frequency drives (VFDs) and active line conditioners (ALCs). This will allow the existing pumps to operate at a lower speed to match the reduced pumping head. It will also provide the operational flexibility to return to the higher pumping head configuration, if necessary. The purchase of the VFDs in the amount of \$246,885 from Sloan Electromechanical Service & Sales and the purchase of ALCs from OneSource Distributors for \$134,252 were approved at the May 4, 2011 Board Meeting.

In addition, at the June 1, 2011 Board Meeting, the Board authorized a purchase order to Propulsion Controls Engineering in the amount of \$103,356 for the remanufacture of motors at these two Pump Stations in order to be compatible with the VFDs.

The VFDs will radiate a significant heat load in the electrical rooms of each of the Pump Stations. When coupled with summer ambient temperatures, the temperature in the electrical rooms may frequently be well in excess of 100°F. The VFDs have a high temperature threshold of 104°F for effective operation. Operating at extreme temperatures will reduce efficiency and shorten the life of the equipment. Consequently, it is important that air conditioners be installed in the electrical rooms to prolong the useful life of the electrical equipment. The air conditioners will operate on thermostat control with a design setpoint of 85°F. Providing temperature control will have a secondary benefit of creating a work environment conducive for District Operations personnel. The HVAC improvements were designed by HVAC Engineering, Inc.

The Project was originally advertised for bid on May 11, 2011. However, due to non-compliance with the contractors license requirements specified in the contract documents, all bids were rejected at the July 15, 2011 Board Meeting.

The Project was re-advertised for bid August 8, 2011 on the District's website and several other publications including the Union Tribune and the San Diego Daily Transcript.

A Pre-Bid Meeting and site tour were held on August 16, 2011, which was attended by nine (9) contractors. Six (6) bids were received on August 30, 2011. The table below provides the bid results.

<u>CONTRACTOR</u>	<u>TOTAL BID AMOUNT</u>	<u>CORRECTED BID AMOUNT</u>
1. 3-D Enterprises, Inc.	\$53,500	
2. Becerra's HVAC	\$54,000	
3. Paradigm Mechanical Corp.	\$63,500	
4. Accurate Engineering Integrated Construction Services, Inc.	\$74,390	
5. Southcoast Heating and Air Conditioning L.P.	\$86,090	
6. Ahrens Corporation	\$115,600	\$116,100

The Engineer's Estimate is \$55,000.

Staff reviewed the bids submitted for conformance with the contract requirements and determined that 3-D Enterprises was the lowest responsive and responsible bidder. 3-D Enterprises holds a valid contractor's license with multiple classifications including A, B, C8, C10, C16, C20, and C27. Their license expires on June 30, 2013. The contract documents require that the Contractor shall possess a valid Class A, Class B, or a Specialty Class C20 license at the time of award.

Overall, the reference checks indicate a good performance record by 3-D Enterprises on similar projects. Staff has verified that the bid bond provided by 3-D Enterprises is valid. Staff will also verify that 3-D Enterprises' performance bond is valid prior to execution of the contract.

FISCAL IMPACT:



The FY 2012 budget for CIP P2502 is \$575,000. Total expenditures, plus outstanding commitments and forecast, including this contract, is \$502,598. See Attachment B-1 for budget detail.

The FY 2012 budget for CIP P2503 is \$475,000. Total expenditures, plus outstanding commitments and forecast, including this contract, is \$434,319. See Attachment B-2 for budget detail.

Based on a review of the financial budgets, the Project Manager anticipates the CIP budgets will be sufficient to support the Project.

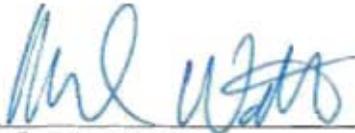
Finance has determined that 100% of the funding is available from the Betterment Fund for both CIP P2502 and CIP P2503.

STRATEGIC GOAL:

This Project supports the District's Mission statement, "To provide the best quality of water and wastewater services to the customers of Otay Water District, in a professional, effective, and efficient manner." This Project fulfills the District's Strategic Goals No. 1 - Community and Governance, and No. 5 - Potable Water, by maintaining proactive and productive relationships with the Project stakeholders and by guaranteeing that the District will provide for current and future water needs.

LEGAL IMPACT: _____

None.



General Manager

P:\WORKING\CIP P2502 803-1 Pump Station Modifications\Staff Reports\80-10-05-2011_Staff Report_Authorize Award of Contract for HVAC Improvements_(JN-RR).doc

GS/RR:jf

Attachments: Attachment A - Committee Action
Attachment B-1 - Budget Detail for CIP P2502
Attachment B-2 - Budget Detail for CIP P2503
Exhibit A - Location Map



ATTACHMENT A

SUBJECT/PROJECT: P2502-001102 P2503-001102	Award of a Construction Contract to 3-D Enterprises, Inc. for HVAC Improvements at the 803-1 and 850-2 Pump Stations
---------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------

COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on September 28, 2011. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.



ATTACHMENT B-1

SUBJECT/PROJECT:	Award of a Construction Contract to 3-D Enterprises, Inc.
P2502-001102	for HVAC Improvements at the 803-1 and 850-2 Pump Stations
P2503-001102	

Otay Water District
P2502 - 803-1 Pump Station Modifications

Date Updated: August 31, 2011

<i>Budget</i>	<i>Committed</i>	<i>Expenditures</i>	<i>Outstanding Commitment & Forecast</i>	<i>Projected Final Cost</i>	<i>Vendor/Comments</i>
575,000					
Planning					
Labor	11,738	11,738	-	11,738	
Consultant Contracts	9,711	8,051	1,660	9,711	HVAC ENGINEERING INC
Total Planning	21,449	19,789	1,660	21,449	
Design					
Labor	48,000	45,161	2,839	48,000	
Professional Legal Fees	117	117	-	117	STUTZ ARTIANO SHINOFF
Consultant Contracts	175	175	-	175	MWH CONSTRUCTORS INC
Construction Contracts	2,687	2,687	-	2,687	CPM PARTNERS INC
Service Contracts	41	41	-	41	SAN DIEGO DAILY TRANSCRIPT
	679	679	-	679	MAYER REPROGRAPHICS INC
	365	365	-	365	SAN DIEGO UNION-TRIBUNE LLC
Total Design	52,065	49,226	2,839	52,065	
Construction					
Labor	125,000	12,752	112,248	125,000	
Professional Legal Fees	922	922	-	922	STUTZ ARTIANO SHINOFF
Motor Remanufacture	52,602	-	52,602	52,602	PROPULSION CONTROLS
Service Contracts	582	540	42	582	HORIZON CRANE SERVICE LLC
VFD Procurement	141,919	-	141,919	141,919	SLOAN ELECTRIC COMPANY
ALC Procurement	67,126	-	67,126	67,126	ONESOURCE DISTRIBUTORS LLC
HVAC Installation	26,750	-	26,750	26,750	3-D ENTERPRISES
Motor Repair	14,185	-	14,185	14,185	PROPULSION CONTROLS
Total Construction	429,084	14,214	414,870	429,084	
Grand Total	502,598	83,229	419,369	502,598	



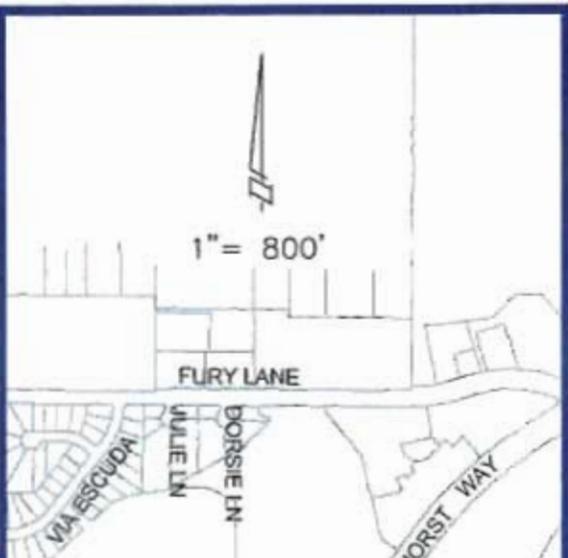
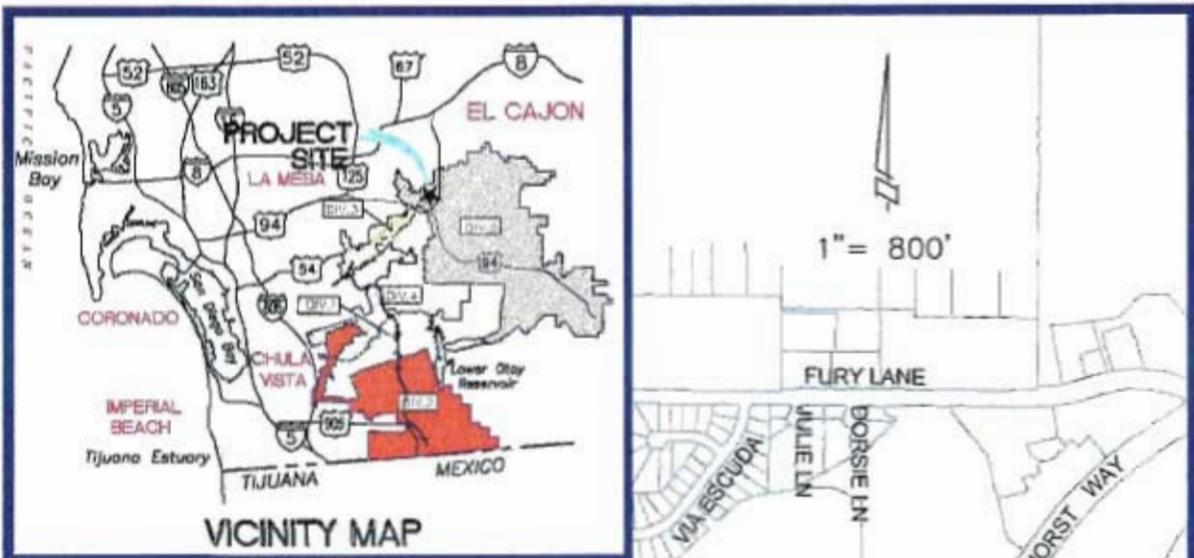
ATTACHMENT B-2

SUBJECT/PROJECT: P2502-001102 P2503-001102	Award of a Construction Contract to 3-D Enterprises, Inc. for HVAC Improvements at the 803-1 and 850-2 Pump Stations
---------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------

Otay Water District
 P2503 - 850-2 Pump Station Modifications

Date Updated: August 31, 2011

<i>Budget</i>	<i>Committed</i>	<i>Expenditures</i>	<i>Outstanding Commitment & Forecast</i>	<i>Projected Final Cost</i>	<i>Vendor/Comments</i>
475,000					
Planning					
Addl subprojects					
Labor	19,029	19,029	-	19,029	
Consultant Contracts	9,711	8,376	1,335	9,711	HVAC ENGINEERING INC
Total Planning	28,739	27,404	1,335	28,739	
Design					
Labor	38,000	35,208	2,792	38,000	
Professional Legal Fees	138	138	-	138	STUTZ ARTIANO SHINOFF
Consultant Contracts	175	175	-	175	MWH CONSTRUCTORS INC
	6,500	6,500	-	6,500	ENGINEERING PARTNERS INC, THE
Construction Contracts	2,687	2,687	-	2,687	CPM PARTNERS INC
Service Contracts	41	41	-	41	SAN DIEGO DAILY TRANSCRIPT
	610	610	-	610	MAYER REPROGRAPHICS INC
	365	365	-	365	SAN DIEGO UNION-TRIBUNE LLC
Equipment Rental	2,790	2,790	-	2,790	ART'S TRENCH PLATE &
Total Design	51,306	48,514	2,792	51,306	
Construction					
Labor	105,000	14,664	90,336	105,000	
VFD Procurement	104,966	-	104,966	104,966	SLOAN ELECTRIC COMPANY
ALC Procurement	67,126	-	67,126	67,126	ONESOURCE DISTRIBUTORS LLC
Motor Remanufacture	50,432	-	50,432	50,432	PROPULSION CONTROLS
HVAC Installation	26,750	-	26,750	26,750	3-D ENTERPRISES
Total Construction	354,273	14,664	339,609	354,273	
Grand Total	434,319	90,582	343,737	434,319	



P:\WORKING\CIP P2502\Staff Reports\Staff Report - Exhibit A.dwg 3/7/2011 9:08:02 AM PST



OTAY WATER DISTRICT
803-1 AND 850-2 PUMP STATION MODIFICATIONS

LOCATION MAP

CIP P2502
CIP P2503

EXHIBIT A



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	October 5, 2011
SUBMITTED BY:	Daniel Kay <i>DK</i> Associate Civil Engineer	PROJECT/ SUBPROJECT:	VARIOUS DIV.NO. ALL
	Ron Ripperger <i>RR</i> Engineering Manager		
APPROVED BY: (Chief)	Rod Posada <i>RP</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña <i>MM</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Award of As-Needed Engineering Design Services Contract for Fiscal Years 2012 and 2013		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board of Directors (Board) awards a professional As-Needed Engineering Design Services contract to Atkins and to authorize the General Manager to execute an agreement with Atkins in an amount not-to-exceed \$175,000 for Fiscal Years 2012 and 2013.

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the General Manager to enter into a professional As-Needed Engineering Design Services agreement with Atkins in an amount not-to-exceed \$175,000 for Fiscal Years 2012 and 2013 (contract ends on June 30, 2013).

ANALYSIS:

The District will require the services of a professional engineering design consultant in support of the District's CIP projects for Fiscal Years 2012 and 2013. It is more efficient and cost effective to issue an as-needed contract for engineering design which will provide the District with the ability to obtain consulting services in a timely and efficient manner. This concept has also been used

in the past for other disciplines such as construction management, geotechnical, electrical, and environmental services.

The District will issue task orders to the consultant for specific projects during the contract period. The consultant will then prepare a detailed scope of work, schedule, and fee estimate for each task order assigned under the contract. Upon written task order authorization from the District, the consultant shall then proceed with the project as described in the scope of work.

The anticipated CIP projects that are estimated to require engineering design services for Fiscal Years 2012 and 2013 are listed below:

CIP	DESCRIPTION	ESTIMATED COST
P2453	SR-11 Utility Relocations	\$65,000
P2504	Regulatory Site Access Road and Pipeline Relocation	\$25,000
S2028	Explorer Way 8-Inch Sewer Main Replacement	\$15,000
S2029	Chase Ave. 8-Inch Sewer Main Replacement	\$15,000
S2031	Julianna Street 8-Inch Sewer Main Replacement	\$15,000
S2032	Puebla Drive 8-Inch Sewer Main Replacement	\$15,000
S2033	Sewer System Various Locations Replacement	\$15,000
TOTAL:		\$165,000

The engineering design scopes of work for the above projects are estimated from preliminary information and past projects. Therefore, staff believes that a \$175,000 cap on the As-Needed Engineering Design Services contract is adequate, while still providing a buffer.

This As-Needed Engineering Design Services contract does not commit the District to any expenditure until a task order is approved to perform work on a CIP project. The District does not guarantee work to the consultant, nor does the District guarantee that it will expend all of the funds authorized by the contract on professional services.

The District solicited engineering design services by placing an advertisement on the Otay Water District's website, San Diego Union Tribune, and the San Diego Daily Transcript on June 30, 2011. Twenty-four (24) firms submitted a letter of interest and a statement of qualifications. The Request for Proposal (RFP) for As-Needed Design Services was sent to all twenty-four (24) firms

resulting in thirteen (13) proposals received on August 11, 2011. They are as follows:

- Tran Consulting Engineers
- Parsons Brinkerhoff
- Aegis Engineering Management
- Omega Engineering Consultants
- Bureau Veritas North America Inc.
- Kennedy/Jenks Consultants
- Atkins
- HDR
- Proteus Consulting
- Lee & Ro Inc.
- Martin & Ziemniak
- Tetra Tech, Inc.
- Psomas

The eleven (11) firms that chose not to propose are RBF, Harris & Associates, Arcadis/Malcom Pirnie, NCS Engineers, Snipes Dye Associates, RRM Design Group, Cvaldo Corporation, Bayez & Patel, O'day Consultants, Blue Peak Engineering, and AirX Surveyors.

In accordance with the District's Policy 21, staff evaluated and scored all written proposals. Atkins received the highest score for their services based on their experience, understanding of the scope of work, proposed method to accomplish the work, and their composite hourly rate. Atkins was the most qualified consultant with the best overall proposal. A summary of the complete evaluation is shown in Attachment B.

FISCAL IMPACT:



The funds for this contract will be expended from a variety of projects, as previously noted above. The fees for professional services requested herein are available in the authorized CIP project budgets. This contract is for as-needed professional services based on the District's need and schedule, and expenditures will not be made until a task order is approved by the District for the consultant's services on a specific CIP project.

Based on a review of the financial budgets, the Project Manager anticipates that the budgets will be sufficient to support the professional as-needed consulting services required for the CIP projects noted above.

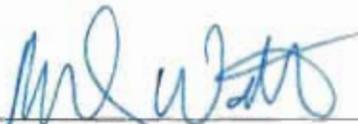
The Finance Department has determined that the funds to cover this contract are available as budgeted for these projects.

STRATEGIC GOAL:

This project supports the District's Mission statement, "To provide the best quality of water and wastewater service to the customers of the Otay Water District, in a professional, effective, and efficient manner," and the District's Strategic Goal, in planning for infrastructure and supply to meet current and future potable water demands.

LEGAL IMPACT:

None.



General Manager

F:\WORKING\As Needed Services\Engineering Design\FY 2012-2013\Staff Reports\SD 10-05-11, Staff Report, As-Needed Engineering Design Services. (DK-RR).docx

DK/RR:jf

Attachments: Attachment A
Attachment B



ATTACHMENT A

SUBJECT/PROJECT: VARIOUS	Award of As-Needed Engineering Design Services Contract for Fiscal Years 2012 and 2013
------------------------------------	----------------------------------------------------------------------------------------

COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on September 28, 2011. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

**ATTACHMENT B
SUMMARY OF PROPOSAL RANKINGS
As-Needed Engineering Design**

	Qualifiers of Staff	Understanding of Scope, Schedule and Resources	WRITTEN				Presented Plans	Client's Decision to Hire	TOTAL SCORE	REFERENCES
			Soundness and Viability of Proposed Project Plan	INDIVIDUAL SUBTOTAL - WRITTEN	AVERAGE SUBTOTAL - WRITTEN					
MAXIMUM POINTS	20	25	20	25	85	15	Y/N	100	Priority/Excluded	
Tran Consulting Engineers	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	21 28 20 29 22	22 26 21 22 27	20 24 24 20 22	22 24 23 22 27	68	14	Y	83	
Parsons Brinckerhoff	Bob Kennedy Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	22 22 26 27 23	22 22 24 24 22	20 19 24 24 22	21 22 21 21 23	61	2	Y	63	
Aegis Engineering Management	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	23 20 20 24 25	22 28 24 22 22	20 20 24 22 22	21 22 24 21 21	71	6	Y	78	
Omega Engineering Consultants	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	19 24 20 20 18	19 20 19 20 19	20 19 19 20 19	19 20 21 20 19	57	15	Y	72	
Bursac Ventile North America, Inc.	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	21 24 24 25 21	21 24 24 23 22	20 20 20 20 20	22 20 20 20 20	67	12	Y	79	
Kennedy/Jenks Consultants	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	24 20 25 21 22	23 20 20 20 20	20 20 20 20 20	22 21 20 20 20	73	5	Y	78	
Adins	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	24 26 21 20 21	20 24 20 20 20	20 20 20 20 20	22 22 20 20 20	73	12	Y	85	Exclude
HDR	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	24 20 24 21 20	20 20 20 20 20	20 20 20 20 20	21 21 20 20 20	74	1	Y	75	
Proteus Consulting	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	22 27 20 22 24	20 20 20 20 20	20 20 20 20 20	22 22 20 20 20	66	10	Y	76	
Lee & Ro, Inc.	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	23 24 24 24 24	20 20 20 20 20	20 20 20 20 20	21 21 21 21 21	72	6	Y	78	
Martin & Ziemniak	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	24 20 21 24 21	20 20 20 20 20	20 20 20 20 20	21 21 20 21 20	62	7	Y	69	
Tetra Tech, Inc.	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	22 24 21 20 22	20 20 20 20 20	20 20 20 20 20	21 21 20 20 21	71	8	Y	79	
Psomas	Ken Peterson Jeff Anderson Bob Kennedy Lisa Cochran-Royal Frank Anderson	21 24 20 21 20	21 21 21 21 21	20 20 20 20 20	21 21 20 21 20	64	6	Y	70	

RATES SCORING CHART			
Consultant	Rate	Position	Score
Omega Engineering Consultants	\$1,040	lowest	25
Tran Consulting Engineers	\$1,061		14
Bursac Ventile North America, Inc.	\$1,135		12
Adins	\$1,151		12
Proteus Consulting	\$1,208		10
Tetra Tech, Inc.	\$1,268		8
Martin & Ziemniak	\$1,304		7
Psomas	\$1,326		6
Lee & Ro, Inc.	\$1,337		6
Kennedy/Jenks Consultants	\$1,348		5
Aegis Engineering Management	\$1,350		5
Parsons Brinckerhoff	\$1,440		2
HDR	\$1,485	highest	1

The fees were evaluated by comparing rates for ten positions. The sum of these ten rates are noted on the table above.

*Review Panel does not see or consider rates when scoring other categories. Rates are scored by the PM, who is not on Review Panel.



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	October 5, 2011
SUBMITTED BY:	Daniel Kay <i>DK</i> Associate Civil Engineer	PROJECT/ SUBPROJECT:	VARIOUS DIV. NO. ALL
	Ron Ripperger <i>[Signature]</i> Engineering Manager		
APPROVED BY: (Chief)	Rod Posada <i>[Signature]</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña <i>[Signature]</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Award of As-Needed Construction Management and Inspection Services Contract for Fiscal Years 2012 and 2013		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board of Directors (Board) awards a professional As-Needed Construction Management and Inspection Services contract to Valley Construction Management (Valley) and to authorize the General Manager to execute an agreement with Valley in an amount not-to-exceed \$175,000 for Fiscal Years 2012 and 2013.

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the General Manager to enter into a professional As-Needed Construction Management and Inspection Services agreement with Valley in an amount not-to-exceed \$175,000 for Fiscal Years 2012 and 2013 (contract ends on June 30, 2013).

ANALYSIS:

The District will require professional construction management and Inspection services (CMIS) from a professional consultant on an as-needed basis to support the District's Capital Improvement Program

(CIP). The District will require the expertise of a consultant to augment staff for CMIS of several projects that will begin construction in Fiscal Years 2012 and 2013. Existing staff will provide CMIS where possible, but will require additional expertise to inspect reservoir coating, welding, and other disciplines on a continuous basis.

It is more efficient and cost effective to issue an as-needed contract for the CMIS which will provide the District with the ability to obtain consulting services in a timely and efficient manner. This concept has also been used in the past for other disciplines such as civil engineering, geotechnical, electrical, and environmental services.

The District will issue task orders to the consultant for specific projects during the contract period. The consultant will then prepare a detailed scope of work, schedule, and fee estimate for each task order assigned under the contract. Upon written task order authorization from the District, the consultant shall then proceed with the project, as described in the scope of work.

The anticipated CIP projects that are estimated to require CMIS for Fiscal Years 2012 and 2013 are listed below:

CIP	DESCRIPTION	ESTIMATED COST
P2370	La Presa System Improvements	\$30,000
P2517	Chase Avenue Helix and Otay Interconnection	\$50,000
P2491	850-3 Reservoir Exterior Coating and Upgrades	\$25,000
P2507	East Palomar Street Utility Relocation	\$30,000
P2513	East Orange Avenue Bridge Crossing	\$30,000
	TOTAL:	\$165,000

The various scopes of work for the above projects are estimated from preliminary information and past projects. Therefore, staff believes that a \$175,000 cap on the As-Needed CMIS contract is adequate, while still providing a buffer.

This As-Needed CMIS contract does not commit the District to any expenditure until a task order is approved to perform work on a CIP project. The District does not guarantee work to the consultant, nor does the District guarantee that it will expend all of the funds authorized by the contract on professional services.

The District solicited as-needed CMIS from professional consulting firms by placing an advertisement on the Otay Water District's website and with various other publications including the San Diego Union Tribune and the San Diego Daily Transcript on June 30, 2011.

Twelve (12) firms submitted a letter of interest and a statement of qualifications. The Request for Proposal (RFP) for As-Needed CMIS was sent to all twelve (12) firms resulting in seven (7) proposals received on August 10, 2011. They are as follows:

- Valley Construction Management
- KOA Corporation/CBM Consulting
- NCS Engineers
- Dudek & Associates, Inc.
- Nolte Vertical Five
- Atkins
- Tetra Tech, Inc.

The five (5) firms that chose not to propose are The Vinewood Company, Vali Cooper & Associates, Echo Pacific Construction, Bureau Veritas, and Harris & Associates.

In accordance with the District's Policy 21, staff evaluated and scored all written proposals. Valley received the highest score for their services based on their experience, understanding of the scope, their proposed method to accomplish the work, and their composite hourly rate. Valley was the most qualified consultant with the best overall proposal. A summary of the complete evaluation is shown in Attachment B.

The District has worked with Valley on the previous As-Needed Construction Management contract for Fiscal Years 2010-2011. Valley provided excellent service to the District and staff worked well with Valley.

FISCAL IMPACT:



The funds for this contract will be expended from a variety of projects, as previously noted above. The fees for professional services requested herein are available in the authorized CIP project budgets. This contract is for as-needed professional services based on the District's need and schedule, and expenditures will not be made until a task order is approved by the District for the consultant's services on a specific CIP project.

Based on a review of the financial budgets, the Project Manager anticipates that the budgets will be sufficient to support the professional as-needed consulting services required for the CIP projects noted above.

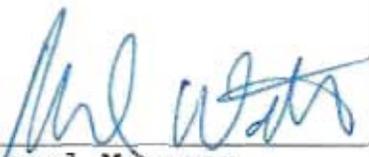
The Finance Department has determined that the funds to cover this contract are available as budgeted for these projects.

STRATEGIC GOAL:

This project supports the District's Mission statement, "To provide the best quality of water and wastewater service to the customers of the Otay Water District, in a professional, effective, and efficient manner," and the District's Strategic Goal, in planning for infrastructure and supply to meet current and future potable water demands.

LEGAL IMPACT: _____

None.



General Manager

P:\WORKING\As Needed Services\Construction Management\As Needed CM & Inspection Svcs FY12, FY13\Staff Report\RD 10-05-11, Staff Report. As-Needed Construction Management and Inspection Services, (DK-RR).docx

DK/RR:jf

Attachments: Attachment A
Attachment B



ATTACHMENT A

SUBJECT/PROJECT: VARIOUS	Award of As-Needed Construction Management and Inspection Services Contract for Fiscal Years 2012 and 2013
------------------------------------	------------------------------------------------------------------------------------------------------------

COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on September 28, 2011. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

**ATTACHMENT B
SUMMARY OF PROPOSAL RANKINGS
As-Needed Construction Management and Inspection Services**

		WRITTEN							REFERENCES	
		Qualification of Staff	Understanding of Scope, Schedule and Resources	Soundness and Viability of Proposed Project Plan	INDIVIDUAL SUBTOTAL - WRITTEN	AVERAGE SUBTOTAL - WRITTEN	Proposed Rates*	Consultant's Commitment to DBE		TOTAL SCORE
MAXIMUM POINTS		30	25	30	85	85	15	Y/N	100	Poor/Good/Excellent
Valley CM	Kevin Cameron	27	24	28	79	75	14	Y	89	Excellent
	David Charles	26	24	26	76					
	Frank Anderson	25	22	26	73					
	Brandon DiPietro	26	24	26	76					
	Ron Ripberger	25	24	26	75					
KOA Corporation/CBM Consulting	Kevin Cameron	25	20	24	69	67	1	Y	68	
	David Charles	22	21	22	65					
	Frank Anderson	30	21	24	65					
	Brandon DiPietro	25	20	25	70					
	Ron Ripberger	22	22	23	67					
NCS Engineers	Kevin Cameron	26	21	25	72	69	15	Y	84	
	David Charles	22	22	23	67					
	Frank Anderson	22	22	21	65					
	Brandon DiPietro	26	21	25	72					
	Ron Ripberger	22	22	23	67					
Dudek	Kevin Cameron	27	22	25	75	71	5	Y	76	
	David Charles	22	22	23	67					
	Frank Anderson	23	23	25	70					
	Brandon DiPietro	27	22	26	75					
	Ron Ripberger	22	22	23	67					
Noite Vertical Five	Kevin Cameron	26	23	27	76	74	7	Y	81	
	David Charles	25	23	27	75					
	Frank Anderson	25	23	24	70					
	Brandon DiPietro	27	23	25	75					
	Ron Ripberger	23	23	24	70					
Atkins	Kevin Cameron	27	23	25	75	73	9	Y	82	
	David Charles	25	24	25	74					
	Frank Anderson	24	23	23	70					
	Brandon DiPietro	27	21	24	72					
	Ron Ripberger	25	23	25	73					
Tetra Tech	Kevin Cameron	27	22	26	75	71	6	Y	77	
	David Charles	22	23	23	68					
	Frank Anderson	21	22	25	68					
	Brandon DiPietro	26	22	27	75					
	Ron Ripberger	22	23	23	68					

RATES SCORING CHART			
Consultant	Rate	Position	Score
NCS Engineers	\$464	lowest	10
Valley CM	\$480		14
Atkins	\$555		9
Noite Vertical Five	\$587		7
Tetra Tech	\$600		6
Dudek	\$618		5
KOA Corporation/CBM Consulting	\$680	Highest	1

The fees were evaluated by comparing rates for five positions. The sum of these five rates are noted on the table above.

*Review Panel does not see or consider rates when scoring other categories. Rates are scored by the PM, who is not on Review Panel.



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	October 5, 2011
SUBMITTED BY:	Kevin Cameron <i>DK for KC</i> Assistant Civil Engineer I	PROJECT/ SUBPROJECT:	Various DIV.NO.: ALL
	Ron Ripperger <i>RR</i> Engineering Manager		
APPROVED BY: (Chief)	Rod Posada <i>R. Posada</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña <i>M. Magaña</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Award of As-Needed Traffic Engineering Services Contract for Fiscal Years 2012 and 2013		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board of Directors (Board) awards a professional As-Needed Traffic Engineering Services contract to Infrastructure Engineers and to authorize the General Manager to execute an agreement with Infrastructure Engineers in an amount not-to-exceed \$175,000 for Fiscal Years 2012 and 2013.

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the General Manager to enter into a professional As-Needed Traffic Engineering Services agreement with Infrastructure Engineers in an amount not-to-exceed \$175,000 for Fiscal Years 2012 and 2013 (contract ends on June 30, 2013).

ANALYSIS:

The District will require the services of a professional traffic engineering consultant to provide as-needed traffic control plans, traffic signal modification plans, striping plans, and traffic control permit work in support of the CIP projects for Fiscal Years

2012 and 2013. It is more efficient and cost effective to issue an as-needed contract for the traffic engineering services which will provide the District with the ability to obtain consulting services in a timely and efficient manner. This concept has also been used in the past for other disciplines such as civil engineering, geotechnical, electrical, and environmental services.

The District will issue task orders to the consultant for specific projects during the contract period. The consultant will then prepare a detailed scope of work, schedule, and fee estimate for each task order assigned under the contract. Upon written task order authorization from the District, the consultant shall then proceed with the project as described in the scope of work.

The anticipated CIP projects that are estimated to require traffic engineering services for Fiscal Years 2012 and 2013 are listed below:

CIP	DESCRIPTION	ESTIMATED COST
P2370	La Presa System Improvements	\$15,000
P2513	East Orange Avenue Bridge Crossing	\$25,000
P2514	Hunte Parkway 30-Inch Pipeline	\$10,000
P2517	Chase Avenue Helix and Otay Interconnections	\$15,000
R2048	RecPL- Otay Mesa Distribution Pipelines and Conversions	\$35,000
S2028	Explorer Way 8-inch Sewer Main Replacement	\$5,000
S2029	Chase Avenue 8-inch Sewer Main Replacement	\$10,000
S2031	Julianna Street 8-inch Sewer Main Replacement	\$10,000
S2032	Puebla Drive 8-inch Sewer Main Replacement	\$10,000
S2034	Vista Grande and Paseo Grande 8-inch Sewer Main Replacement	\$15,000
	TOTAL:	\$150,000

The contract is for an amount not-to-exceed \$175,000 for all task orders. Fees for professional services will be charged to the CIP projects for which the traffic engineering services are performed. The traffic engineering services' scopes of work for the above projects are estimated from preliminary information and past projects. Therefore, staff believes that a \$175,000 cap on the As-Needed Traffic Engineering Services contract is adequate, while still providing a buffer.

This As-Needed Traffic Engineering Services contract does not commit the District to any expenditure until a task order is approved to perform work on a CIP project. The District does not guarantee work

to the consultant, nor does the District guarantee that it will expend all of the funds authorized by the contract on professional services.

The District solicited traffic engineering services by placing an advertisement on the Otay Water District's website, San Diego Union Tribune, and the San Diego Daily Transcript on June 30, 2011. Thirteen (13) firms submitted a letter of interest and a statement of qualifications. The Request for Proposal (RFP) for As-Needed Traffic Engineering Services was sent to all thirteen (13) firms resulting in nine (9) proposals received on August 9, 2011. They are as follows:

- Rick Engineering Company
- VRPA Technologies, Inc.
- Infrastructure Engineers
- Iteris
- KOA Corporation
- Darnell & Associates, Inc.
- Minagar & Associates, Inc.
- Linscott, Law & Greenspan, Engineers
- RBF Consulting

The four (4) firms that chose not to propose were Harris & Associates, Kenney Engineering, Lin Consulting, and O'Day Consultants, Inc.

In accordance with the District's Policy 21, staff evaluated and scored all written proposals. Infrastructure Engineers received the highest score for their services based on their experience, understanding of the scope of work, proposed method to accomplish the work, and their composite hourly rate. Infrastructure Engineers was the most qualified consultant with the best overall proposal. They are a highly rated company and are readily available to provide the services required. A summary of the complete evaluation is shown in Attachment B.

FISCAL IMPACT:



The funds for this contract will be expended from a variety of projects, as previously noted above. The fees for professional services requested herein are available in the authorized CIP project budgets. This contract is for as-needed professional services based on the District's need and schedule, and expenditures will not be made until a task order is approved by the District for the consultant's services on a specific CIP project.

Based on a review of the financial budgets, the Project Manager anticipates that the budgets will be sufficient to support the professional as-needed consulting services required for the CIP projects noted above.

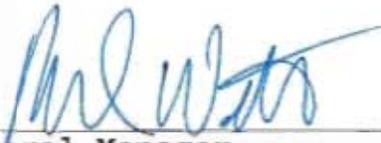
The Finance Department has determined that the funds to cover this contract are available as budgeted for these projects.

STRATEGIC GOAL:

This project supports the District's Mission statement, "To provide the best quality of water and wastewater service to the customers of the Otay Water District, in a professional, effective, and efficient manner," and the District's Strategic Goal, in planning for infrastructure and supply to meet current and future potable water demands.

LEGAL IMPACT:

None.



General Manager

F:\WORKING\As Needed Services\Traffic Engineer\FY12-FY13\Staff Report\80 10-05-11, Staff Report, As-Needed Traffic Engineering Services, (KC-RR).doc

KC/RR/RP:jf

Attachments: Attachment A - Committee Actions
Attachment B - Summary of Proposal Rankings



ATTACHMENT A

SUBJECT/PROJECT: Various	Award of As-Needed Traffic Engineering Services Contract for Fiscal Years 2012 and 2013
----------------------------------------	-----------------------------------------------------------------------------------------

COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on September 28, 2011. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

**ATTACHMENT B
SUMMARY OF PROPOSAL RANKINGS
As-Needed Traffic Engineering**

		WRITTEN							REFERENCES	
		Qualifications of Staff	Understanding of Scope, Schedule and Resources	Soundness and Viability of Proposed Project Plan	INDIVIDUAL SUBTOTAL - WRITTEN	AVERAGE SUBTOTAL - WRITTEN	Proposed Rates*	Consultant's Commitment to DBE		TOTAL SCORE
MAXIMUM POINTS		30	25	30	85	85	15	Y/N	100	Peer/Good/Excellent
Rick Engineering Company	Rod Posada	25	22	25	72	72	10	Y	82	
	Pedro Pomar	22	24	24	70					
	Ron Ripberger	24	21	26	70					
	David Charles	26	24	26	74					
	Daniel Kay	26	23	25	74					
VRPA Technologies, Inc.	Rod Posada	22	20	26	62	66	9	Y	75	
	Pedro Pomar	23	24	24	71					
	Ron Ripberger	22	21	23	66					
	David Charles	22	21	23	66					
	Daniel Kay	23	21	22	66					
Infrastructure Engineers	Rod Posada	27	25	28	80	76	15	Y	91	Excellent
	Pedro Pomar	25	20	25	70					
	Ron Ripberger	25	20	26	74					
	David Charles	26	26	26	77					
	Daniel Kay	28	24	27	79					
Iteris	Rod Posada	26	23	20	74	72	8	Y	80	
	Pedro Pomar	24	25	25	74					
	Ron Ripberger	23	24	23	70					
	David Charles	26	21	26	72					
	Daniel Kay	28	22	24	70					
KOA Corporation	Rod Posada	26	25	28	79	75	10	Y	85	
	Pedro Pomar	24	26	24	73					
	Ron Ripberger	26	22	27	76					
	David Charles	25	23	24	72					
	Daniel Kay	27	24	26	77					
Darnell & Associates, Inc.	Rod Posada	23	24	28	60	75	9	Y	84	
	Pedro Pomar	25	20	25	70					
	Ron Ripberger	26	23	26	74					
	David Charles	27	23	24	74					
	Daniel Kay	28	24	27	79					
Minagar & Associates, Inc.	Rod Posada	24	22	25	71	71	10	Y	81	
	Pedro Pomar	25	25	25	75					
	Ron Ripberger	25	21	24	70					
	David Charles	25	22	23	70					
	Daniel Kay	24	22	24	70					
Linscott, Law & Greenspan, (LLG) Engineers	Rod Posada	25	23	28	78	74	9	Y	83	
	Pedro Pomar	24	24	24	72					
	Ron Ripberger	25	23	25	73					
	David Charles	26	23	24	73					
	Daniel Kay	25	23	24	72					
RBF Consulting	Rod Posada	26	24	28	80	74	1	Y	75	
	Pedro Pomar	25	20	25	70					
	Ron Ripberger	25	23	26	74					
	David Charles	26	23	24	73					
	Daniel Kay	27	23	26	76					

Consultant	Rate	Position	Score
Infrastructure Engineers	\$585	lowest	15
KOA Corporation	\$769		10
Rick Engineering	\$772		10
Minagar & Associates Inc.	\$781		10
Darnell & Associates, Inc.	\$790		9
VRPA Technologies, Inc.	\$806		9
LLG Engineers	\$820		9
Iteris	\$845		8
RBF Consulting	\$1,095	highest	1

The fees were evaluated by comparing rates for seven positions. The sum of these seven rates are noted on the table above.

*Review Panel does not see or consider rates when scoring other categories. Rates are scored by the PM, who is not on Review Panel.



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	October 5, 2011
SUBMITTED BY:	Bob Kennedy <i>BK</i> Senior Civil Engineer	PROJECT/ SUBPROJECT:	D0834- DIV. 2 090094 NO.
APPROVED BY: (Chief)	Rod Posada <i>R. Posada</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña <i>M. Magaña</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Approval of Water Supply Assessment Report (July 2011) for the Pio Pico Energy Center Project		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board of Directors (Board) approves the Water Supply Assessment Report (WSA Report) dated July 2011 for the Pio Pico Energy Center (PPEC) Project, as required by Senate Bill 610 (see Exhibit A for Project location).

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board approval of the July 2011 WSA Report for the PPEC Project, as required by Senate Bill 610 (SB 610).

ANALYSIS:

The California Energy Commission (CEC) is conducting an environmental review of the proposed PPEC Project. SB 610 requires the agency conducting the environmental review to evaluate whether total water supplies will meet the projected water demand for certain "projects" that are otherwise subject to the requirement of the California Environmental Quality Act

(CEQA). SB 610 provides its own definition of "project" in Water Code Section 10912. The CEC submitted a request for a WSA to the District pursuant to SB 610. In response to such request, SB 610 requires that, upon request of the agency conducting the environmental review, a water purveyor, such as the District, prepare the water supply assessment to be included in the CEQA documentation.

The requirements of SB 610 are addressed by the WSA Report for the PPEC Project. Prior to transmittal to the CEC, the WSA Report must be approved by the District Board. Additional information of the intent of SB 610 is provided in Exhibit B and the PPEC Project WSA Report is attached as Exhibit C.

For the PPEC Project, the CEC is the responsible agency that requested the SB 610 water supply assessment from the District, as the water purveyor for the proposed Pio Pico Energy Center Project. The request for the WSA Report, in compliance with SB 610 requirements, was made by the CEC because the PPEC Project meets or exceeds one or both of the following SB 610 criteria:

- A proposed industrial, manufacturing or processing plant or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of area.
- A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project.

The PPEC Project is designed to use recycled water as its primary source of cooling and process water. The PPEC Project will use recycled water, if available, during construction and operational periods. Since recycled water is currently not available at the Project site and the Otay Mesa area in general, the PPEC Project will rely on and use currently available potable water provided by the District. The PPEC Project's interim potable water demands exceed the thresholds contained in the legislation enacted by SB 610 criteria of a project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project and therefore requires preparation of a WSA report.

The District, as the proposed water purveyor for the PPEC Project, does not have to comply with the requirements of Senate Bill 221 (SB 221) because the Project is an industrial development and SB 221 applies to residential subdivisions.

Pursuant to SB 610, the WSA Report incorporates by reference the current Urban Water Management Plans and other water resources planning documents of the District, the San Diego County Water Authority (Water Authority), and the Metropolitan Water District of Southern California (MWD). The District prepared the WSA Report in consultation with Atkins North America, Inc. and the Water Authority which demonstrates and documents that sufficient water supplies are planned for and are intended to be made available over a 20-year planning horizon under normal supply conditions and in single and multiple dry years to meet the projected demand of the PPEC Project and other planned development projects within the District.

The PPEC Project calculated that the interim potable demand for the PPEC plant operation is expected to be approximately 369 acre feet per year (ac-ft/yr), due to higher plant efficiency using potable water. Approximately 1.5 ac-ft/yr of potable demand will serve the PPEC Project administration building and will not convert to recycled water. The total interim potable demand, including 1.2 ac-ft/yr of irrigation, of 372 ac-ft/yr is 306 ac-ft/yr higher than the potable demand estimate in the Otay Water District's 2008 Water Resources Master Plan, updated November 2010 (2010 WRMP Update). However, the projected permanent potable PPEC Project demand of 1.5 ac-ft/yr is 64.5 ac-ft/yr less than the potable demands included in the 2010 WRMP Update.

MWD's Integrated Resource Plan (IRP) identifies a mix of resources (imported and local) that, when implemented, will provide 100 percent reliability for full-service demands through the attainment of regional targets set for conservation, local supplies, State Water Project supplies, Colorado River supplies, groundwater banking, and water transfers. MWD's 2010 update to the IRP (2010 IRP Update) includes a water supply planning buffer to mitigate the risk associated with implementation of local and imported supply programs. The planning buffer identifies an additional increment of water that could potentially be developed if other supplies are not implemented as planned. As part of the establishment of the planning buffer, MWD periodically evaluates supply development to ensure that the region is not under- or over-developing supplies. If managed properly, the planning buffer, along with other alternative supplies, will help ensure that the Southern California region, including San Diego County, will have adequate supplies to meet future demands.

The County Water Authority Act, Section 5, Subdivision 11, states the Water Authority, "as far as practicable, shall provide each of its member agencies with adequate supplies of water to meet their expanding and increasing needs."

The intent of the SB 610 legislation is that the land use agencies and the water agencies coordinate their efforts in planning for new development and thus plan for sufficient water supplies to meet the needs.

As per the requirements of SB 610, if the water supply assessment finds that the supply is sufficient, then the governing body of the water supplier (District) must approve the water supply assessment and deliver it to the lead agency (CEC) within 90 days. The CEC's letter dated July 19, 2011 requested the WSA for the PPEC Project. The deadline for the District to provide a Board approved WSA to the CEC is October 17, 2011. An extension can be requested to provide 30 additional days, if necessary.

Pursuant to SB 610, if the water supply assessment finds overall supplies are insufficient, the water supplier shall provide to the lead agency "its plans for acquiring additional water supplies, setting forth measures that are being undertaken to acquire and develop those water supplies," and the water supplier governing body must approve the assessment and deliver it to the lead agency within 90 days. If the water supplier does conclude that additional water supplies are required, the water supplier should indicate the status or stage of development of the actions identified in the plans it provides. Identification of a potential future action in such plans does not by itself indicate that a decision to approve or to proceed with the action has been made.

Once either of the two actions listed above are accomplished, the District's SB 610 water supply assessment responsibilities are complete.

SB 610 provides that if the SB 610 water supply assessment is not received by the lead agency from the water supplier within the prescribed 90 day period, and any requested time extension, the lead agency may seek legal relief, such as writ of mandamus. The CEC's request letter dated July 19, 2011 was received by the District July 19, 2011 so the 90 day deadline for the District to provide the WSA Report to the CEC is October 17, 2011. If a 30 day extension is requested, the new deadline will be November 16, 2011.

Water supply agencies throughout California continue to face climatological, environmental, legal, and other challenges that impact water source supply conditions, such as the court ruling regarding the Sacramento-San Joaquin Delta issues. Challenges such as these are always present. The regional water supply agencies, the Water Authority, MWD, and the District nevertheless fully intend to have sufficient, reliable supplies to serve the PPEC Project.

FISCAL IMPACT:



The District has been reimbursed \$8,000 for all costs associated with the preparation of the PPEC Project WSA Report. The reimbursement was accomplished via an \$8,000 deposit the Project proponents placed with the District on February 8, 2011.

STRATEGIC GOAL:

The preparation and approval of the PPEC Project WSA Report supports the District's Mission statement, "To provide the best quality of water and wastewater services to the customers of the Otay Water District, in a professional, effective, and efficient manner" and the District's Strategic Goal, in planning for infrastructure and supply to meet current and future potable water demands.

LEGAL IMPACT:

Approval of a WSA Report for the PPEC Project in form and content satisfactory to the Board of Directors would allow the District to comply with the requirements of Senate Bill 610.



General Manager

P:\WORKING\WO D0834 - Apex Power Pio Pico Plant\Staff Report\BD 10-05-11, Staff Report, Pio Pico Energy Center WSA (BK-RP).doc
BK/RP:jf

Attachments: Attachment A - Committee Actions
Exhibit A - Project Location Map
Exhibit B - Explanation of the Intent of SB 610
Exhibit C - Pio Pico Energy Center WSA Report
Exhibit D - Presentation



ATTACHMENT A

SUBJECT/PROJECT: D0834-090094	Approval of Water Supply Assessment Report (July 2011) for the Pio Pico Energy Center Project
-----------------------------------------	-----------------------------------------------------------------------------------------------

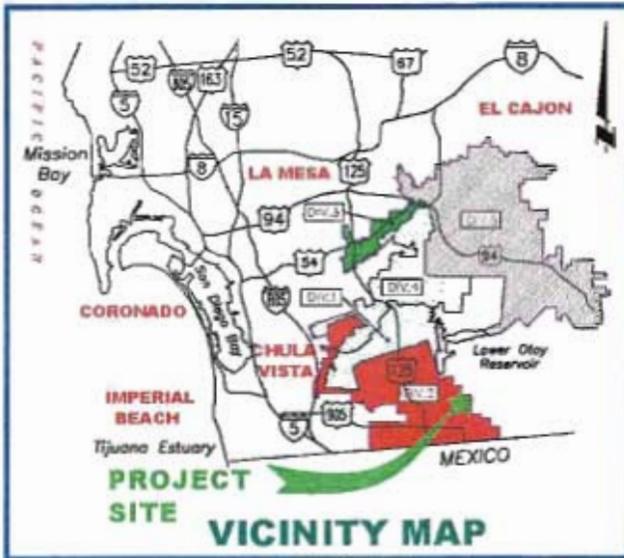
COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on September 28, 2011. The Committee supported Staff's recommendation.

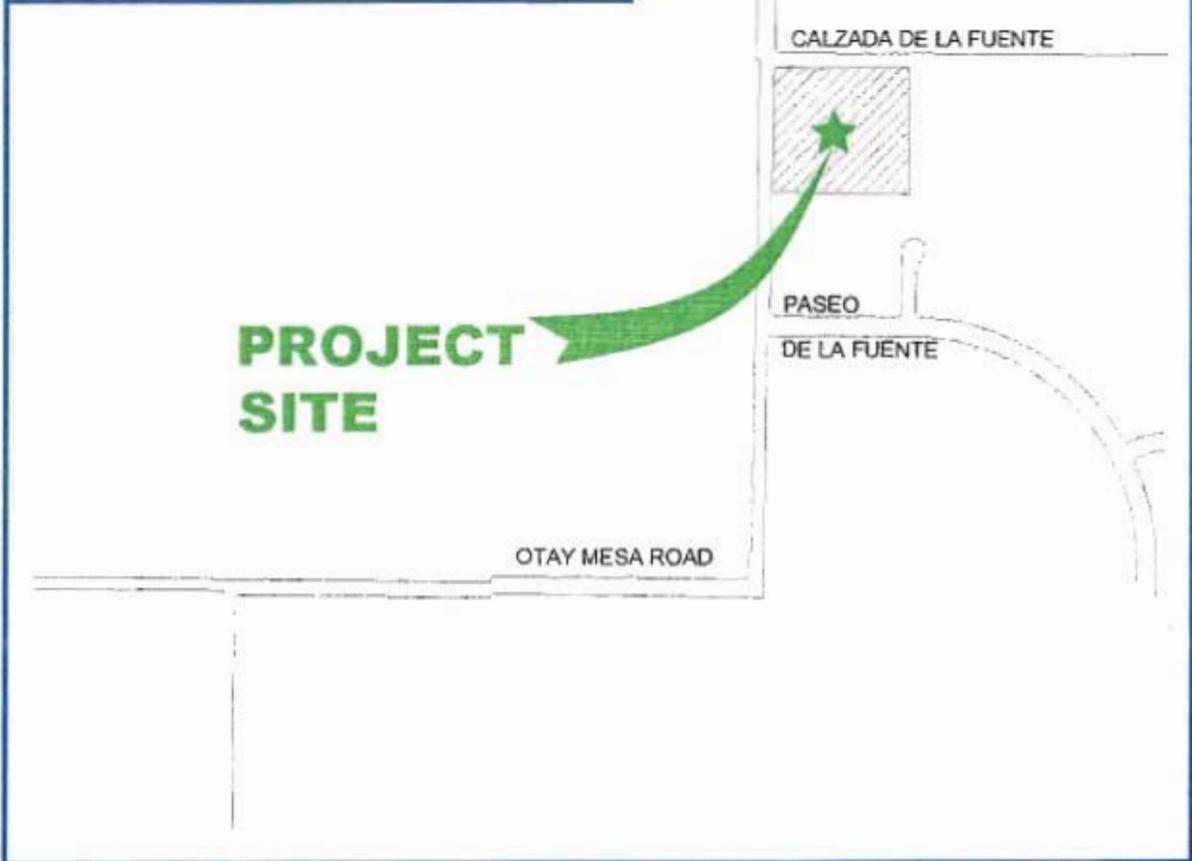
NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

P:\WORKING\WO D0834--APEX POWER PIO PICO PLANT\STAFF REPORT\EXHIBIT A



SCALE: 1"=800'



OTAY WATER DISTRICT

PIO PICO ENERGY CENTER
LOCATION MAP

D-0834-090094

EXHIBIT A

EXHIBIT B

Background Information

The Otay Water District (District) prepared the July 2011 Water Supply Assessment Report (WSA Report) for the Pio Pico Energy Center Project (PPEC Project) development proposal at the request of the California Energy Commission (CEC). The CEC's WSA request letter dated July 19, 2011 was received by the District on July 19, 2011 so the 90 day deadline for the District to provide the Board approved WSA Report to the CEC ends October 17, 2011. The Pio Pico Energy Center LLC, A California Limited Liability Company submitted an Application for Certification to the CEC seeking permission to construct and operate the PPEC power generation facility.

The PPEC Project is located within the jurisdictions of the District, the San Diego County Water Authority (Water Authority), and the Metropolitan Water District of Southern California (MWD). See Exhibit A for Project location. To obtain permanent imported water supply service, land areas are required to be within the jurisdictions of the District, Water Authority, and MWD.

The July 2011 WSA Report for the PPEC Project has been prepared by the District in consultation with Atkins North America, Inc., the Water Authority, and the CEC pursuant to Public Resources Code Section 21151.9 and California Water Code Sections 10631, 10656, 10910, 10911, 10912, and 10915 referred to as Senate Bill (SB) 610. SB 610 amended state law, effective January 1, 2002, intending to improve the link between information on water supply availability and certain land use decisions made by cities, counties, and other regulatory agencies. SB 610 requires that the water purveyor of the public water system prepare a water supply assessment to be included in the California Environmental Quality Act (CEQA) environmental documentation and approval process of certain proposed projects. The requirements of SB 610 are addressed in the July 2011 WSA Report for the PPEC Project.

The PPEC is a 300-megawatt (MW) natural gas-fired simple-cycle generating facility. The project is proposed to be located within the East Otay Mesa community planning area of the County of San Diego. The Project site is located at the southeast corner of the intersection of Alta Road and Calzada de la Fuente. The generating facility will utilize three General Electric (GE) LMS100 natural gas-fired combustion turbine generators (CTGs). The Project will interconnect to an existing substation that serves two (2) existing 230-kilovolt (kV) transmission lines. This substation is located approximately 1,700 feet from the PPEC Project.

The PPEC Project proposes to have a maximum annual capacity factor of approximately 46 percent or a maximum of 4,000 hours per year. Pio Pico Energy Center LLC has negotiated a power purchase agreement (PPA) with San Diego Gas & Electric (SDG&E) which is designed to directly satisfy the San Diego County area demand for peaking and load-shaping generation, near- and long-term.

The PPEC Project is designed to use recycled water as its primary source of cooling and process water. The PPEC Project will use recycled water, if available, during the construction and operational periods. Since recycled water is currently not available at the Project site and in Otay Mesa, the PPEC Project will rely on currently available potable water provided by the District.

The PPEC Project proposes to use recycled water service once available at the Project site. The recycled water demand for the proposed PPEC Project includes 378 ac-ft/yr for plant operation and 1.2 ac-ft/yr for irrigation, for a total of 379 ac-ft/yr.

The PPEC Project calculated that the interim potable demand for the PPEC plant operation is expected to be approximately 369 acre feet per year (ac-ft/yr), due to higher plant efficiency using potable water. Approximately 1.5 ac-ft/yr of potable demand will serve the PPEC Project administration building and will not convert to recycled water. The total interim potable demand, including 1.2 ac-ft/yr of irrigation, of 372 ac-ft/yr is 306 ac-ft/yr higher than the potable demand estimate in the Otay Water District's 2008 Water Resources Master Plan, updated November 2010 (2010 WRMP Update). However, the projected permanent potable PPEC Project demand of 1.5 ac-ft/yr is 64.5 ac-ft/yr less than the potable demands included in the 2010 WRMP Update.

The District currently depends on the Water Authority and the MWD for all of its potable water supplies and regional water resource planning.

The District's 2010 Urban Water Management Plan (UWMP) relies heavily on the UWMP's and Integrated Water Resources Plans (IRPs) of the Water Authority and MWD for documentation of supplies available to meet projected demands. These plans are developed to manage the uncertainties and variability of multiple supply sources and demands over the long-term through preferred water resources strategy adoption and resource development target approvals for implementation.

The new uncertainties that are significantly affecting California's water resources include:

- The Federal Court ruling on previous operational limits on Sacramento-San Joaquin Delta to protect the Delta species. Water agencies are still trying to determine what effect the ruling will have on state water project deliveries. Actual supply curtailments for MWD are contingent upon fish distribution, behavioral patterns, weather, Delta flow conditions, and how water supply reductions are divided between state and federal projects.
- Periodic extended drought conditions.

These uncertainties have rightly caused concern among Southern California water supply agencies regarding the validity of the current water supply documentation.

MWD's October 9, 2007 IRP Implementation Report acknowledges that significant challenges in some resource areas will likely require changes in strategies and implementation approaches in order to reach long-term IRP water supply targets. Significant progress in

program implementation is being realized in most resource areas. However, a further examination of the uncertainty of State Water Project supplies, among other uncertainties, will be required to assess the ability of achieving the long-term IRP targets.

MWD is currently involved in several proceedings concerning Delta operations to evaluate and address environmental concerns. In addition, at the State level, the Delta Vision and Bay-Delta Conservation Plan processes are defining long-term solutions for the Delta. MWD is actively engaged in these processes and in October 2010, approved the update of their IRP. An approved implementation strategy update may not be forthcoming for a year or more.

The State Water Project (SWP) represents approximately 9% of MWD's 2025 Dry Resources Mix with the supply buffer included. A 22% cutback in SWP supply represents an overall 2% (22% of 9% is 2%) cutback in MWD supplies in 2025. Neither the Water Authority nor MWD has stated that there is insufficient water for future planning in Southern California. Each agency is in the process of reassessing and reallocating their water resources.

Under preferential rights, MWD can allocate water without regard to historic water purchases or dependence on MWD. Therefore, the Water Authority and its member agencies are taking measures to reduce dependence on MWD through development of additional supplies and a water supply portfolio that would not be jeopardized by a preferential rights allocation.

As calculated by MWD, the Water Authority's current preferential right is 17.47% of MWD's supply, while the Water Authority accounted for approximately 21% of MWD's total revenue. So MWD could theoretically take a 3.5% cut out of the Water Authority's supply and theoretically, the Water Authority should have alternative water supply sources to make up for the difference. In the Water Authority's 2010 UWMP, they had already planned to reduce reliance on MWD supplies. This reduction is planned to be achieved through diversification of their water supply portfolio.

The Water Authority's Drought Management Plan (May 2006) provides the Water Authority and its member agencies with a series of potential actions to engage when faced with a shortage of imported water supplies due to prolonged drought conditions. Such actions help avoid or minimize impacts of shortages and ensure an equitable allocation of supplies throughout the San Diego County region.

The Otay Water District Board of Directors could acknowledge the ever-present challenge of balancing water supply with demand and the inherent need to possess a flexible and adaptable water supply implementation strategy that can be relied upon during normal and dry weather conditions. The responsible regional water supply agencies have and will continue to adapt their resource plans and strategies to meet climatological, environmental, and legal challenges so that they may continue to provide water supplies to their service areas. The regional water suppliers (i.e., the Water Authority and MWD), along with the District, fully intend to maintain sufficient reliable supplies through the 20-year planning horizon under normal, single, and multiple dry year conditions to meet projected demand of

the PPEC Project, along with existing and other planned development projects within the District's service area.

If the regional water suppliers determine additional water supplies will be required, or in this case, that water supply portfolios need to be reassessed and redistributed with the intent to serve the existing and future water needs throughout Southern California, the agencies must indicate the status or stage of development of actions identified in the plans they provide. MWD's 2010 IRP update will then cause the Water Authority to update its IRP, which will then provide the District with the necessary water supply documentation. Identification of a potential future action in such plans does not by itself indicate that a decision to approve or to proceed with the action has been made. The District's Board approval of the PPEC Project WSA Report does not in any way guarantee water supply to the PPEC Project.

Alternatively, if the WSA Report is written to state that water supply is or will be unavailable; the District must include, in the assessment, a plan to acquire additional water supplies. At this time, the District should not state there is insufficient water supply.

So the best the District can do right now is to state the current water supply situation clearly, indicating intent to provide supply through reassessment and reallocation by the regional, as well as, the local water suppliers. In doing so, it is believed that the Board has met the intent of the SB 610 statute, that the land use agencies and the water agencies are coordinating their efforts in planning water supplies for new development.

With District Board approval of the PPEC Project WSA Report, the Project proponents can proceed with the draft environmental documentation required for the CEQA review process. The water supply issues will be addressed in these environmental documents, consistent with the WSA Report.

The District, as well as others, can comment on the draft EIR with recommendations that water conservation measures and actions be employed on the PPEC Project.

Some recent actions regarding water supply assessments and verification reports by entities within Southern California are as follows:

- The City approved water supply assessment reports for both the La Jolla Crossings Project and the Quarry Falls Project in September 2007.
- Padre Dam Municipal Water District approved a water supply assessment report for the City of Santee's Fanita Ranch development project in April 2006. In October 2007, a follow-up letter was prepared stating the current uncertainties associated with the regional water supply situation. However, the letter concludes that sufficient water exists over the long run in reliance upon the assurances, plans, and projections of the regional water suppliers (MWD and Water Authority).
- The Otay Water District unanimously approved in July 2007 the Eastern Urban Center Water Supply and Assessment Report. The Board also approved the Judd Company

Otay Crossings Commerce Park WSA Report on December 5, 2007 and the Otay Ranch L.P. Otay Ranch Preserve and Resort Project Water Supply Assessment and Verification Report on February 4, 2009.

- The Otay Water District approved water supply assessment and verification reports for the City of Chula Vista Village 8 West Sectional Plan Area and Village 9 Sectional Plan Area. The District also approved the water supply assessment report for the San Diego-Tijuana Cross Border Facility and the Rabago Technology Park.

Water supplies necessary to serve the demands of the proposed PPEC Project, along with existing and other projected future users, as well as the actions necessary to develop these supplies, have been identified in the water supply planning documents of the District, the Water Authority, and MWD.

The WSA Report includes, among other information, an identification of existing water supply entitlements, water rights, water service contracts, or agreements relevant to the identified water supply needs for the proposed PPEC Project. The WSA Report demonstrates and documents that sufficient water supplies are planned and are intended to be available over a 20-year planning horizon, under normal conditions and in single and multiple dry years, to meet the projected demand of the proposed PPEC Project and the existing and other planned development projects within the District.

Accordingly, after approval of a WSA Report for the PPEC Project by the District's Board of Directors, the WSA Report may be used to comply with the requirements of the legislation enacted by Senate Bills 610 as follows:

Senate Bill (SB) 610 Water Supply Assessment: The District's Board of Directors approved WSA Report may be incorporated into the California Environmental Quality Act (CEQA) compliance process for the PPEC Project as a water supply assessment report consistent with the requirements of the legislation enacted by SB 610. The CEC, as lead agency under the CEQA for the PPEC Project environmental documentation, may cite the approved WSA Report as evidence that a sufficient water supply is planned and intended to be available to serve the PPEC Project.

**Exhibit C
(Agenda Item 7)**

***PIO PICO ENERGY CENTER
WATER SUPPLY ASSESSMENT REPORT***

Attached Under Separate Cover

Otay Water District Board of Directors Meeting

October 5, 2011



**Water Supply Assessment Report for the
Pio Pico Energy Center
SB 610 Compliance**



Background

Senate Bills 610 and 221 became effective on January 1, 2002, with the primary intent to improve the link between water supply availability and land use decisions.

SB 610 Water Supply Assessment (WSA):

- Requires water purveyor to prepare a Water Supply Assessment report for inclusion in agency CEQA documentation.

SB 221 Water Supply Verification:

- Does not apply to the PPEC Project for it is an industrial subdivision.

The PPEC Project Water Supply Assessment Report:

- Board approval required for submittal of the WSA to the California Energy Commission.

Pio Pico Energy Center

- **300 Megawatt Natural Gas Fired Power Generating Facility**
- **Operate up to 4,000 Hours a Year**



Pio Pico Energy Center

- Plant Startup May 2014
- Interim Potable Demand of 369 AFY until Recycled Water is Available



PPEC Project Water Supply Assessment

- **The regional and local water supply agencies acknowledge the challenges and fully intend to develop sufficient, reliable supplies to meet demands.**
- **Water suppliers recognize additional water supplies are necessary and portfolios need to be reassessed and redistributed with intent to serve existing and future needs.**

PPEC Project Water Supply Assessment

- **The WSA Report documents the planned water supply projects and the actions necessary to develop the supplies.**
- **Water supply for the PPEC Project and for existing and future developments within the District for a 20-year planning horizon, under normal and in single and multiple dry years are planned for and are intended to be made available.**

Otay Water District Planned Local Water Supply Projects

- **Rancho Del Rey Groundwater Well (500-600 AFY)**
- **Rosarito Ocean Desalination Project (24,000-50,000 AFY)**
- **Otay Mesa Lot 7 Groundwater Well (300-400 AFY)**
- **Otay Mesa Recycled Water Supply Link Project (400-800 AFY)**

Otay Water District

Projected Balance of Supply and Demand

	Normal Year	Single Dry Year	Multiple Dry Years		
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Demands					
Otay Water District Demands	37,176	41,566	43,614	46,385	50,291
PPEC Project Demand Increase				372	372
Additional Conservation Target				(372)	(372)
Total Demand	37,176	41,566	43,614	46,385	50,291
Supplies					
Water Authority Supply	33,268	37,535	39,460	42,108	45,891
Recycled Water Supply	3,908	4,031	4,154	4,277	4,400
Total Supply	37,176	41,566	43,614	46,385	50,291
Supply Surplus/(Deficit)	0	0	0	0	0

Table 9 of PPEC WSA Report

District Demand totals with SBX7-7 conservation target achievement with single dry year and multiple dry year increase as shown. The Water Authority could implement its DMP. In these instances, the Water Authority may have to allocate supply shortages based on the equitable allocation methodology in its DMP.

Conclusion

- **Water demand and supply forecasts are included in the planning documents of MWD, Water Authority, and the Otay Water District.**
- **Actions necessary to develop the identified water supplies are documented.**
- **PPEC Project SB 610 WSA demonstrates and documents that sufficient water supplies are planned for and are intended to be available over the next 20 years.**

Conclusion continued

- **It is believed that the Board has met the intent of SB 610 statute in that:**
 - 1) Land use agencies and water suppliers have demonstrated strong linkage.**
 - 2) The PPEC Project Water Supply Assessment clearly documents the current water supply situation.**

Staff Recommendation

That the Board of Directors approve the Senate Bill 610 Water Supply Assessment Report dated July 2011 for the PPEC Project.

Questions?



Water Supply Assessment Report for the Pio Pico Energy Center Project SB 610 Compliance





STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	October 5, 2011
SUBMITTED BY:	Gary Stalker, System <i>GS</i> Operations Manager	W.O./G.F. NO:	DIV. NO.
APPROVED BY:	Pedro Porras, Chief of Operations <i>P.P.</i> (Chief)		
APPROVED BY:	Manny Magaña, Assistant General Manager, Engineering and (Asst. GM): Water Operations <i>M. Magaña</i>		
SUBJECT:	Regional Power Outage Summary Report		

GENERAL MANAGER'S RECOMMENDATION:

This is an informational item and requires no Board action.

COMMITTEE ACTION:

See Attachment "A"

PURPOSE:

This is to inform the Board of the District's experiences and actions taken during the regional power outage on September 8, 2011.

ANALYSIS:

The power was out for approximately 10 hours at the main headquarters building and from six to twelve hours at other District facilities. Water service was maintained at normal pressures throughout the District's service area during the outage. District staff responded as needed and back-up staff were designated to come in as relief.

Seventeen staff from Water Operations and the safety and security administrator worked after-hours to monitor potential affects due to the outage. The power outage did bring forth some potential areas of improvements in our emergency power systems that need to be evaluated. Some of these issues were already recognized and equipment has been budgeted this fiscal year to improve them.

The primary issue was that the SCADA system radio communications were largely offline because long term back-up power equipment has not been purchased for the new Ethernet radio system. Two water systems operators visually checked reservoir levels and manually started pumps where necessary. Most of the new Ethernet radios were initially installed with small UPS batteries to handle short localized power outages of up to 30 minutes. Larger battery back-up was to be added later once the combined power needs for operations, security, and other IT equipment was determined. The present plan is to connect SCADA radios at pump stations, and reservoirs near pump stations, to the emergency generators to provide considerably longer back-up time. In addition, a three day emergency battery back-up will be supplied at remote reservoir sites so that the reservoir level signals will be transmitted to the pump station. These batteries can be recharged using small portable generators during more extended emergencies. Staff is also evaluating partnering with cellular site companies to use power from their generators as back-up power for radios. Many reservoirs have cellular sites on or adjacent to them that have generator power.

The District's major computer systems stayed up in the headquarters building and most workstations were back online within a few minutes when the back-up generator kicked in. A UPS failure was detected in the first floor switch-room, but its impact was minor. The cellular communications were impacted and spotty initially, but our internet and radio systems worked well.

The generator in the Operations Center/EOC also kicked in immediately and kept systems on-line. When SDG&E power was restored, the automatic transfer switch (ATS) for this generator did not work properly and power had to be manually switched back to the grid by one of our electricians. The pump electric supervisor will have the ATS tested. In addition, one generator was previously evaluated to power both the Warehouse and fuel island. This generator was budgeted for this fiscal year and the purchase of it will be expedited.

All of the permanently installed back-up generators for the pump stations functioned properly. Fleet maintenance staff topped off fuel as needed and the District has enough fuel on-hand to normally operate all pump stations for approximately eight days during high demand periods. In addition, during extended power outages, demands are expected to be lower than normal due to loss of power to dishwashers, washing machines and sprinkler systems controllers. Two portable generators needed to be manually wired to pump stations because the Air Pollution Control District does not allow portable generators to be continually connected at a facility. Permanent generators have been budgeted this fiscal year for these two pump stations.

The treatment plant's back-up generator started properly but overheated and shutdown due to being overloaded, which also shutdown the treatment plant. After non-critical load was shed, the generator

was restarted and continued operating to power the aeration blowers and lighting. It was decided not to restart the plant during the outage while flows were diverted to Metro. The District has already purchased a larger generator for the plant, which will be installed during the low recycled water demand period this winter. Other improvements that could be made to be more efficient during similar emergencies are:

- Add generator fuel level readings to SCADA so staff does not need to manually check fuel levels.
- Add battery powered emergency lights at the Operations Center/EOC and Treatment Plant office, in case a generator does not function properly.
- Evaluate emergency access to facilities with electric gates. Some electric gates are not powered by a generator and do not have convenient alternative entry. Also evaluate emergency access to gated communities that have District facilities within.
- Identify stores that have emergency back-up power and would likely remain open in emergencies.
- The County of San Diego Office of Emergency Services' WebEOC website was monitored and was useful for information updates and requests for mutual aid from other agencies. The San Diego County Water Authority has staff at this EOC. The District did not receive any requests for mutual aid, such as equipment or staffing. The Sweetwater Authority took 5,250 gallons of water through an interconnection that automatically opens when their water pressure gets low in the Naples/Oleander area of Chula Vista.

In short, this outage was a good test for the District's emergency response and communications. The District maintained full service to customers and the improvements/upgrades mentioned above will be further evaluated.

FISCAL IMPACT:

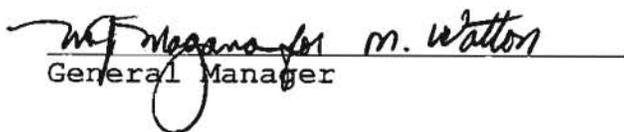
None

STRATEGIC GOAL:

Meets the District's strategy to "Improve business functionality by constantly improving the efficiency and effectiveness of important business processes".

LEGAL IMPACT:

Not applicable.


General Manager



ATTACHMENT A

SUBJECT/PROJECT:	Regional Power Outage Summary Report
-------------------------	--------------------------------------

COMMITTEE ACTION:

This item will be presented to the Engineering and Operations Committee on September 28, 2011.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a committee approved item, or modified to reflect any discussion or changes as directed from the committee prior to presentation to the full board.