

- Engineering Services Key Activities for the Month of January 2009

Summary

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 - Weymouth Water Treatment Plant Improvements Program
- Water Quality:
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Attachments

Monthly Progress Report of Construction and Procurement Contracts for December 2008.

Detailed Report

This report details key engineering activities for the month of January 2009.

Recent Events:

CIP Reassessment: In response to concerns regarding the economy and the current credit market, staff has reexamined the timing and urgency of all planned requests to the Board for capital project authorizations, with the consideration of optimizing the sale of bonds for program funding. Total projected capital expenditures for fiscal year 2008/09 were originally budgeted to be \$468 million. However, given the latest construction progress, reprioritization of planned authorizations, and the challenging financial market conditions, staff's current estimate for the fiscal year is approximately \$400 million.

Staff has also completed an assessment of the urgency and need for all existing and new capital projects as part of the fiscal year 2009/10 budget process. As a result, approximately \$240 million of capital expenditures were deferred beyond fiscal year 2011/2012.

Perris Valley Pipeline: This 96-inch diameter pipeline will be approximately 6.5 miles long, extending east and south from the Mills plant to provide service to Eastern Municipal Water District and Western Municipal Water District of Riverside County (Western). The contractor completed installation and hydro-testing of all pipe for the North Reach (Figure 1). Deliveries to Service Connection EM- 23 will be available to the member agency by January 2009.



Figure 1: Installation of last pipe segment for Perris Valley Pipeline North Reach

Supply and Delivery Reliability:

Inland Feeder Program: This program consists of 44 miles of pipeline and tunnels that will enable Metropolitan to convey up to 1,000 cubic feet per second of State Water Project supplies from the Devil Canyon Second Afterbay to Diamond Valley Lake. Eight of nine construction contracts have been completed. Recent activities include the following:

- **Arrowhead East Tunnel (AET)** – In December, the contractor continued hauling the tunnel’s reinforced concrete cylinder pipe (RCCP) from the storage area at Etiwanda Reservoir to the Strawberry Canyon portal site. At the end of the month, the contractor was permitted to move up to 18 pieces of pipe per day (split between the two tunnel portals). The contractor installed 1,173 feet of pipe in December and another 683 feet in the first few weeks of January. The total length of pipe installed through January 9th is 2,450 feet (11 percent of the tunnel’s length). Staff is working to secure a long-term hauling permit that will allow up to 12 or more segments to be transported per day to the East Tunnel Portal, and 9 per day to the West Tunnel Portal. In order for the work to proceed on budget and within schedule, daily pipe deliveries for the two tunnels will need to be increased to at least 21 per day by early February. The contractor will continue to work with the city of San Bernardino to increase the daily delivery limit. The prolonged delay in issuing a transportation permit by the city has delayed the initiation of pipe lining in the AET by nearly ten weeks.
- **Arrowhead West Tunnel (AWT)** – The first RCCP pipe for AWT was transported to the Waterman portal in early December. The contractor installed 1,235 feet of pipe in December and another 938 feet in the first few weeks of January. The total length of pipe installed through January 9th is 2,453 feet (12 percent of the tunnel’s length). At the Devil Canyon portal, the contractor completed construction of the outer walls for the concrete vault/lift-out structure located just outside the entrance to the portal (Figure 2). In late-December, the contractor began backfilling around the outside of this structure.



Figure 2: RCCP being transported into AWT at Waterman Canyon Portal

Supply and Delivery Reliability (cont.):

Mills Water Treatment Plant Capacity Upgrade: This program will upgrade specific components of the Mills plant to match the plant's hydraulic capacity of 326 mgd. The program consists of four projects. Recent activities include the following:

- **Ozone Contactors Nos. 3 and 4** – Under the original Mills Oxidation Retrofit Program (ORP) project, Ozone Contactors Nos. 1 and 2 were installed with a combined capacity of 160 mgd. To increase the ozonation capacity to 326 mgd, two new ozone contactors are required. Figure 3 shows the installation of ozone piping in Contactors Nos. 3 & 4. Construction is approximately 80 percent complete and is scheduled to be completed by July 2009.
- **Modules Nos. 1 and 2 Rehabilitation** – To fully upgrade the Mills plant, Modules Nos. 1 and 2 will be rehabilitated and returned to service. Final design is 99 percent complete and is scheduled to be completed by February 2009. Staff will return to the Board in mid-2009 to request award of a construction contract.
- **Solids Handling Upgrades** – This project will upgrade the solids system to reliably handle solids after the plant's full 326-mgd capacity is achieved. Preliminary design is 60 percent complete. The recommended upgrades include addition of a washwater reclamation plant and thickeners. Value engineering was completed which recommended that a solids pipeline, valve structures, and related equipment be added to the Modules Nos. 1 and 2 Rehabilitation project, in order to minimize potential contractor interferences during upcoming construction at the Mills plant, and to defer expenditures. In November 2008, the Board authorized additional final design services to incorporate these recommended features. Preliminary design of the solids pipeline is complete and final design is scheduled to commence in February 2009. Preliminary design of the washwater reclamation plant and thickeners is scheduled to be completed by summer of 2009.
- **Chemical System Capacity Upgrades** – Portions of the existing chemical facilities will be upgraded to support the full 326-mgd plant capacity. Final design is 99 percent complete and is scheduled to be completed by February 2009. Staff will return to the Board in mid-2009 to request award of the construction contract.

The program is scheduled to be completed in 2011/12 and is within budget.



Figure 3: Installation of ozone piping in Contactors Nos. 3 and 4

Date of Report: February 10, 2009

Supply and Delivery Reliability (cont.):

Quagga Mussel Control Program: This program includes a comprehensive plan that incorporates enhanced detection, surveillance and mitigation strategies for controlling quagga mussel growth. This program will be conducted in at least three phases. Phase I addressed immediate quagga mussel detection, surveillance and mitigation strategies for the first seven months of infestation and has been completed. Phase II consists of a comprehensive, multi-year approach for mussel management, and Phase III will address long-term needs and cost minimization strategies. Phase II currently includes the following five projects:

- Copper Basin Interim Chlorination Facility – The interim chlorination system was placed into service in June 2008. The contract for the roof cover for the tank farm was awarded by the Board in January 2009.
- Lake Mathews Interim Chlorination Facility – The interim chlorination system was placed into service in November 2008 (Figure 4). The remaining contractor punch-list items are being addressed.
- Design of Permanent Chlorination Facilities at Various Locations – Staff is developing a research strategy for new quagga mussel control approaches to be used at Metropolitan’s raw water conveyance systems and water treatment plants. The research will be completed by early 2009.
- Isolation Gates Along the Colorado River Aqueduct – A study is being conducted which identifies alternatives for controlling quagga mussels on the Intake Pumping Plant trash racks. One alternative is to isolate the pumping plant from Lake Havasu using metal or Hypalon barriers, then treat the water inside the barrier with chlorine to kill the mussels. Another alternative is to replace the trash racks with new trash racks especially coated to resist quagga colonization. Various coatings are being tested for resistance to quagga. The study is scheduled to be completed by April 2009.
- Relocation of Chlorine Injection at Skinner Plant – The chlorine injection point on the Lake Skinner Outlet Conduit must be relocated to a point downstream of the new ozone contactor inlet connection to avoid chlorinated water from entering the contactors. Construction commenced in January 2009 and is scheduled to be completed by April 2009.



Figure 4: Lake Mathews Interim Chlorination Facility

Supply and Delivery Reliability (cont.):

Skinner Water Treatment Plant Expansion No. 4: This program includes construction of a new 110-mgd water treatment module (Module No. 7) and supporting facilities. Module No. 7 commenced operation in July 2007, while Wastewater Reclamation Plant No. 3 and a coal removal structure were completed in December 2006. Construction of the Chemical Systems Modifications was completed in October 2007. All chemical systems have been placed into service except the sodium hypochlorite and filter backwash polymer, which are required when the Skinner ozone facilities commence operation. Remaining work includes the reclaimed washwater return pumping station, which is 94 percent complete and is scheduled to be completed by May 2009 (Figure 5).

The program is on schedule to be completed in fiscal year 2008/09 and is within budget.



Figure 5: Construction of reclaimed washwater return pumping station

Infrastructure Reliability:

Capital Program for Projects Costing Less than \$250,000: The minor capital projects support timely and essential repairs and upgrades throughout the distribution system, including equipment such as pumps and valves, structural components, plumbing or electrical equipment, HVAC systems, etc. Each fiscal year, the Board is requested to authorize the General Manager to execute capital projects costing less than \$250,000. Recent activities include the following:

- Diemer Ammonia and Caustic Diffuser Modifications – Diffusers are being modified to improve the mixing process and to strengthen operationally damaged diffusers. Final design is 65 percent complete and is scheduled to be completed by February 2009.
- Microwave Communication Sites Building Upgrades – This project will upgrade six microwave communication facilities to meet current local fire codes. Final design has been completed, and staff is working with local officials to obtain building permits. Construction is scheduled to be completed by August 2009.
- Black Metal Mountain Electrical Transformer – This project will upgrade the electrical transformer at Black Metal Mountain to meet increased electrical demands. Final design is 85 percent complete and is scheduled to be completed by February 2009. Construction is scheduled to be completed by August 2009.
- Wadsworth Pumping Plant Circuit Breaker Upgrades – Faulty circuit breakers controlling power to the pumps and turbine-generators have been replaced. Installation was completed in September 2008. Performance testing of the circuit breaker was completed in December 2008.
- Weymouth Compressed Air Supply System – This project will replace the air compressor for plant pneumatic equipment. Construction is 80 percent complete and is scheduled to be completed by March 2009 (Figure 6).

The overall program is on schedule and is within budget.



Figure 6: Weymouth air compressors (former equipment on left, and indoor replacement equipment on right)

Infrastructure Reliability (cont.):

Conveyance and Distribution System Rehabilitation Program: This program was initiated to maintain reliable deliveries through specific repair and rehabilitation projects on Metropolitan’s pipelines, reservoirs, and control structures. The program currently contains 36 active projects, while 39 have been completed.

Recent activities include the following:

- St. John Canyon Channel Repair and Modifications – This project will repair storm run-off damage and construct modifications to prevent re-occurrence. Construction is 30 percent complete and is scheduled to be completed by March 2009 (Figure 7).
- Foothill Feeder Cathodic Protection – Construction of a cathodic protection system was completed in December 2008.
- Hydroelectric Plant Discharge Elimination – This project will eliminate seal water discharges at five hydroelectric plants. New mechanical seals have been installed in two plants. The remaining three plants are scheduled to be completed by December 2009.
- Lake Skinner East Bypass Screening Structure Rehabilitation – This project involves rehabilitation of the existing screening structures, enabling the removal of algae mats and other floating debris. Construction is 20 percent complete and is scheduled to be completed by September 2009.
- OC-71 Service Connection Fire Repairs – This project will repair fire damage caused by the 2007 wildfires. Construction is 20 percent complete and is scheduled to be completed by June 2009.

The program is on schedule to be completed in fiscal year 2018/19 and is within budget.



Figure 7: St. Johns Canyon channel repair looking west

Infrastructure Reliability (cont.):

Reservoir Cover Replacement Program: This program consists of replacement of the floating covers, installation of liners, and related repairs at Orange County, Palos Verdes, and Skinner Finished Water Reservoirs, and at Jensen Finished Water Reservoir No. 2.

- Orange County Reservoir – Final design is 30 percent complete and is scheduled to be completed by November 2009.
- Skinner Finished Water Reservoir – Final design is complete. Advertisement for bids is planned for February 2009. Staff will return to the Board in May 2009 to request award of a construction contract.
- Palos Verdes Reservoir – Final design has been initiated and is scheduled to be completed in early 2010. Staff is in the process of dewatering the reservoir to remove the existing floating cover. The floating cover will be removed as part of the design to identify the damaged reservoir liner and to prepare specifications for repair.
- Jensen Finished Water Reservoir No. 2 – A request to the Board for award of a construction contract is scheduled for May 2009.

The program is on schedule to be completed by fiscal year 2012/2013 and is within budget.



Figure 8: Palos Verdes Reservoir

Infrastructure Reliability (cont.):

Weymouth Water Treatment Plant Improvements Program: This program was initiated to maintain reliability and to improve operating efficiency of the Weymouth plant through specific improvement projects. These improvements are also critical in upgrading the plant facilities and processes in preparation for the Weymouth Oxidation Retrofit project. The program currently contains 30 active projects, while 9 have been completed. Recent activities include the following:

- Weymouth Coagulant Tank Farm – Construction is 15 percent complete and is scheduled to be completed by November 2010.
- Weymouth Electrical Upgrade Project – Final design is 85 percent complete and is scheduled to be completed by April 2009.
- Inlet Conduit Relocation and Rapid Mix Project – Final design is 90 percent complete and is scheduled to be completed by February 2009.
- Weymouth Perimeter Improvements – The Weymouth perimeter improvements will be constructed in three phases. Phases I and II along the west, north and south plant boundaries are complete. Phase III includes modifications to the Wheeler Gate entrance and to install California Friendly landscaping around the Water Quality Laboratory. Final design is 90 percent complete.
- Junction Structure Seismic Upgrades – This project will repair leaky valves and will seismically upgrade the Junction Structure. Final design is 30 percent complete and is scheduled to be completed by November 2009.
- Plant Operations & Maintenance Center – Construction is complete and staff is moving into the new facility (Figure 9).

The program is on schedule to be completed in fiscal year 2012/13 and is within budget.



Figure 9: Completed Weymouth Plant Operations and Maintenance Center

Water Quality:

Oxidation Retrofit Program: This program was established to add ozone to provide disinfection, to control tastes and odors, and to reduce the level of disinfection by-products in the finished water at all five of Metropolitan's treatment plants. Ozone will enable Metropolitan to meet state and federal drinking water regulations. Recent activities include the following:

- Mills Plant – A construction contract to add two new ozone contactors to upgrade the plant's ozonation capacity to 326 mgd is approximately 80 percent complete and is scheduled to be completed by July 2009. Fabrication of additional ozone equipment is approximately 30 percent complete and is scheduled to be completed by December 2009.
- Jensen Plant – The plant's ozone system became fully operational in July 2005.
- Skinner Plant – Construction is approximately 94 percent complete and is scheduled to be completed by mid-2009.
- Weymouth Plant – This program consists of multiple, staged construction contracts. Final design of a new plant inlet conduit, which will relocate the existing conduit from beneath the Administration Building to the location of the planned ozone contactors, is 95 percent complete and is scheduled to be completed by February 2009. The Weymouth ozone facilities are currently scheduled within Metropolitan's CIP to be completed by late 2014.
- Diemer Plant – Construction of ozone facilities commenced in August 2008 and is approximately 7 percent complete. Construction is scheduled to be completed by mid-2012 (Figure 10). Fabrication of ozone equipment is approximately 65 percent complete and is scheduled to be completed by September 2009.



Figure 10: Diemer ORP contactor formwork construction

Regulatory:

Chlorine Containment and Handling Facilities: This program includes construction of facilities to handle and contain chlorine to prevent a chlorine leak and to ensure compliance with security and safety regulations. Recent activities include the following:

- Diemer, Weymouth, and Skinner Plants – The Diemer, Weymouth, and Skinner projects were completed in 2002, 2005, and 2008, respectively.
- Mills and Jensen Plants – Construction of the chlorine containment facilities is complete. Start-up testing has been completed and the facilities are now operational. Figure 11 shows the exterior of the Mills facility.
- Chemical Unloading Facility – Preliminary design is underway for a dechlorination system and a chlorine containment facility. Preliminary design for the two systems is scheduled to be completed by April 2009 and November 2009, respectively.

The program is on schedule to be completed in fiscal year 2011/12 and is within budget.



Figure 11: Recently completed Mills Chlorine Containment Facility



**MONTHLY PROGRESS REPORT
OF CONSTRUCTION AND PROCUREMENT CONTRACTS
DECEMBER 2008**
(Progress Through December 25, 2008)

Summary of Progress		
	Construction	Related Procurement
Number of Contracts	25	4
Total Bid Amount of Contracts in Progress	\$ 935,843,414	\$ 45,501,420
Number of Contracts Awarded This Month	0	0
Total Bid Amount of Contracts Awarded This Month	\$ -	\$ -
Contract Gross Earnings This Month*	\$ 13,469,073	\$ 1,249,221
<p><i>*Note: Earnings reflected in this report represent the value of the work performed by the contractor through the 25th day of the month. Earnings include contract retention and other similar deductions from amounts earned by the contractor but otherwise required to be withheld by Metropolitan by law or by contract. Further, payments are made in the month following the performance of the work. For these reasons, contract payments reflected in Metropolitan's financial system will be less than the earnings shown in this report until the final payment has been made to the contractor.</i></p>		

Contracts Awarded This Month

No contracts were awarded this month.

Contracts Completed This Month

Contract No. 1666, Phase Two Network Upgrade - Desert Fiber Optic Cable, was completed on December 18, 2008, and the notice of completion was recorded on January 7, 2009.

Summaries/Status of Contracts

The summaries/status of current construction and construction-related procurement contracts are provided on the following pages.

Summary of Construction Contracts (Page 1 of 3)

Cont. No.	Spec. No.	Feature	Contractor	Contract Amount	Earnings This Month	Earnings To Date	Net Extra Work To Date	Start Date	Contract Completion Date	Estimated Completion Date	Estimated Percent Complete
		Inland Feeder Contract		Projected Cost to Complete							
1542	1437	Arrowhead Tunnels Project ¹	J. F. Shea Const Inc/Kenny Const Co., JV	\$ 397,000,000	\$ 4,328,280	\$ 320,077,565	N/A	8/2/02	9/15/10	9/10	81%
		Inland Feeder Totals		\$ 397,000,000	\$ 4,328,280	\$ 320,077,565	\$ -				
		Other Contracts		Bid Amount							
1609	1483	Robert A. Skinner Water Treatment Plant Oxidation Retrofit Program and Washwater Reclamation Plant No. 3	Shimmick Construction/Obayashi Corp., JV	\$ 184,650,000	\$ 2,743,139	\$ 187,083,733	\$ 8,959,348	7/28/05	5/5/09	5/09	97%
1628	1517	Henry J. Mills Water Treatment Plant Chemical System Upgrades	J. R. Filanc Construction Co., Inc.	\$ 19,914,600	\$ 9,793	\$ 20,428,609	\$ 523,637	5/2/06	10/1/08	01/09 ²	99%
1633	1516A	Joseph Jensen Water Treatment Plant Jensen Chlorine Containment and Fluoride Project	Brutoco Engineering & Construction, Inc.	\$ 19,988,000	\$ 417,924	\$ 20,932,621	\$ 944,621	8/29/06	12/30/08	1/09	99%
1649	1559	F. E. Weymouth Water Treatment Plant Operations and Maintenance Building	Brutoco Engineering & Construction, Inc.	\$ 9,030,000	\$ 14,550	\$ 9,112,448	\$ 82,448	7/13/07	12/29/08	1/09	99% ³
1650	1549	Henry J. Mills Water Treatment Plant Ozone Contactors Nos. 3 and 4	C.W. Roen Construction Co.	\$ 14,556,000	\$ 595,881	\$ 11,446,369	\$ 52,290	7/25/07	6/12/09	6/09	78%
1651	1589	Perris Valley Pipeline North Reach	W.A. Rasic Construction Co., Inc.	\$ 39,250,000	\$ 1,136,468	\$ 36,252,111	\$ 214,758	8/7/07	10/23/08	6/09 ⁴	92%
1653	1568	CRA Reliability Program Phase 6	Abhe & Svoboda, Inc.	\$ 3,382,110	\$ -	\$ 1,150,347	\$ 18,114	10/8/07	5/8/09	5/09	34%
1659	1584	Air Release and Vacuum Valve Relocation for Treated Water Pipelines Construction Package No. 4	Spiniello Companies	\$ 1,447,500	\$ 72,594	\$ 267,919	\$ -	6/13/08	6/11/09	6/09	19%
1660	1597	Air Release and Vacuum Valve Relocation for Treated Water Pipelines Construction Package No. 5	Zusser Company, Inc.	\$ 1,278,500	\$ 61,674	\$ 311,414	\$ -	6/20/08	6/3/09	6/09	24%

¹ Earnings for this project are as of November 25, 2008.

² Time extension pending.

³ Contract substantially complete. Punch list work remains.

⁴ Water deliveries are anticipated to begin by February 2009, pending completion of member agency facilities.



Summary of Construction Contracts (Page 2 of 3)

Cont. No.	Spec. No.	Feature	Contractor	Contract Amount	Earnings This Month	Earnings To Date	Net Extra Work To Date	Start Date	Contract Completion Date	Estimated Completion Date	Estimated Percent Complete
Other Contracts (cont'd)				Bid Amount							
1661	1439A	Robert B. Diemer Water Treatment Plant West Washwater Tank Refurbishment	Abhe & Svoboda, Inc.	\$ 1,053,100	\$ 82,487	\$ 388,110	\$ -	6/13/08	2/3/09	2/09	37%
1663	1608	Perris Valley Pipeline, South Reach	Oscar Renda Contracting, Inc.	\$ 22,300,000	\$ 565,314	\$ 1,998,889	\$ -	9/4/08	1/12/10	1/10	9%
1664	1574	F.E. Weymouth Water Treatment Plant Coagulant Tank Farm Modifications	Orion Construction Corp.	\$ 10,437,000	\$ 123,100	\$ 1,360,350	\$ -	6/30/08	11/30/10	11/10	13%
1665	1598	Air Release and Vacuum Valve Relocation for Treated Water Pipelines Construction Package No. 6	Cora Constructors, Inc.	\$ 1,609,100	\$ 129,590	\$ 657,890	\$ -	7/2/08	6/15/09	6/09	41%
1666	1621	Phase Two Network Upgrade - Desert Fiber Optic Cable	Western Lightwave, Inc.	\$ 200,491	\$ 96,328	\$ 200,491	\$ -	8/6/08	12/18/08	12/08	100%
1667	1500	Robert B. Diemer Water Treatment Plant Oxidation Retrofit Program	Shimmick Construction/Obayashi Corp. JV	\$ 188,080,588	\$ 2,683,108	\$ 14,018,034	\$ 15,697	8/15/08	5/18/12	5/12	7%
1668	1619	Skinner Water Treatment Plant Solar Power Generation Facility	SunPower Corporation, Systems	\$ 9,984,000	\$ -	\$ 241,613	\$ -	8/6/08	5/20/09	5/09	2%
1669	1575A	Union Station Tenant Improvements	W.E. O'Neil Construction Co. of California	\$ 162,457	\$ 23,043	\$ 153,457	\$ -	8/22/08	1/9/09	1/09	94%
1670	1609	Olinda Pressure Control Facility Pavement Repair	Terra Pave, Inc.	\$ 107,400	\$ 24,100	\$ 68,000	\$ -	9/22/08	2/6/09	2/09	63%
1671	1590	Diamond Valley Lake - St. John Channel Repair and Modifications	Grand Pacific Contractors, Inc.	\$ 503,100	\$ 46,280	\$ 59,982	\$ -	9/22/08	4/1/09	4/09	12%
1672	1616	Lake Skinner East Bypass Screening Structure Rehabilitation	Gantry Constructors, Inc.	\$ 4,591,500	\$ 117,800	\$ 406,300	\$ -	9/17/08	10/9/09	10/09	9%

SUMMARY CONTINUED ON NEXT PAGE



Summary of Construction Contracts (Page 3 of 3)

Cont. No.	Spec. No.	Feature	Contractor	Contract Amount	Earnings This Month	Earnings To Date	Net Extra Work To Date	Start Date	Contract Completion Date	Estimated Completion Date	Estimated Percent Complete
		Other Contracts (cont'd)		Bid Amount							
1673	1557	Joseph Jensen Water Treatment Plant Solids Thickeners 5 and 6	Brutoco Engineering & Construction, Inc.	\$ 5,499,000	\$ 170,620	\$ 518,620	\$ -	10/28/08	3/5/10	3/10	9%
1674	1644	Phase 2 Enhanced Vapor Recovery Systems for Desert Region	Fleming Environmental Inc.	\$ 314,135	\$ 10,000	\$ 10,000	\$ -	10/27/08	4/20/09	4/09	3%
1675	1645	Phase 2 Enhanced Vapor Recovery Systems for Western Region	American Construction & Environmental Services, Inc.	\$ 288,833	\$ 7,000	\$ 7,000	\$ -	10/27/08	4/20/09	4/09	2%
1676	1646	Phase 2 Enhanced Vapor Recovery Systems for Eastern Region	Environmental Project Services, Inc.	\$ 216,000	\$ 10,000	\$ 10,000	\$ -	10/30/08	4/22/09	4/09	5%
				\$ 538,843,414	\$ 9,140,793	\$ 307,084,307	\$ 10,810,913				
Total Value of Construction Contracts in Progress				\$ 935,843,414	\$ 13,469,073	\$ 627,161,872	\$ 10,810,913				





Summary of Construction and Procurement Contracts Completed This Month Pending Final Payment

Cont. No.	Spec. No.	Feature	Contractor	Bid Amount	Estimated Final Earnings	Estimated Total Net Value of Extra Work	Date Work Accepted	Date Notice of Completion Recorded	Date Final Payment Due
1666	1621	Phase Two Network Upgrade - Desert Fiber Optic Cable	Western Lightwave, Inc.	\$ 200,491	\$ 204,375	\$ 3,884	12/18/08	1/7/09	2/16/09


Summary of Procurement Contracts


Cont. No.	Spec. No.	Feature	Contractor	Bid Amount	Earnings This Month	Earnings to Date	Starting Date	Delivery Date	
1582	1480	Oxygen/Ozone System Equipment for the Robert A. Skinner Water Treatment Plant Oxidation Retrofit Program	Ozonias North America	\$ 8,409,000	\$ -	\$ 6,222,760	6/22/04	12/30/09	Payments on this contract are made quarterly
1622	1515A	Oxygen/Ozone System Equipment for the Robert B. Diemer and F. E. Weymouth Water Treatment Plants Oxidation Retrofit Program	Ozonias North America	\$ 15,733,300	\$ -	\$ 7,448,401	2/2/06	6/3/10	Payments on this contract are made quarterly
1645	1547	Steel Pipe and Fittings for Perris Valley Pipeline	Northwest Pipe Company	\$ 17,955,170	\$ 1,249,221	\$ 12,959,958	3/5/07	4/30/09	
1655	1604	Henry J. Mills Water Treatment Plant Ozone System Reliability Upgrade Equipment	Ozonias North America	\$ 3,403,950	\$ -	\$ 49,777	1/17/08	12/18/09	Payments on this contract are made quarterly
Total Value of Procurement Contracts in Progress				\$ 45,501,420	\$ 1,249,221	\$ 26,680,896			

Contract No. 1542 Specifications No. 1437 Contractor: J. F. Shea Const Inc/Kenny Const Co., JV	Inland Feeder Program Arrowhead Tunnels Project
Scope of Work: The project consists of purchasing two tunnel boring machines (TBMs); excavating two 12-foot interior finished diameter tunnels; constructing three portal structures; furnishing and installing a precast concrete segmental liner and a final liner for the Arrowhead West tunnel. Project modified to a cost reimbursable contract effective April 26, 2006.	
At a Glance: Estimated Percent Complete 81% Estimated Completion Date September 2010	
Details: Projected Cost to Complete \$397,000,000 Earnings To Date \$320,077,565 * Earnings This Month \$4,328,280 * Contract Start 8/2/02 Contract Completion 9/15/10	Backfilling pipe at Devil Canyon portal


Contract No. 1609 Specifications No. 1483 Contractor: Shimmick Construction/Obayashi Corp., JV	Robert A. Skinner Water Treatment Plant Oxidation Retrofit Program and Washwater Reclamation Plant No. 3
Scope: The work consists of construction of buildings and water treatment structures, washwater reclamation plant, chemical and liquid oxygen facilities, cooling water pump station, power substation, switchgear building, and associated work.	
At a Glance: Estimated Percent Complete 97% Percent Extra Work 4.9% Estimated Completion Date May 2009 Details: Bid Amount \$184,650,000 Earnings To Date \$187,083,733 Net Extra Work To Date \$8,959,348 Earnings This Month \$2,743,139 Net Extra Work This Month \$705,165 Contract Start 7/28/05 Duration in Working Days 865 Contract Completion 5/5/09	


*Earnings for this project are as of November 25, 2008.

Contract No. 1628 Specifications No. 1517 Contractor: J. R. Filanc Construction Co., Inc.	Henry J. Mills Water Treatment Plant Chemical System Upgrades
Scope: The work consists of construction of new chlorine containment facility including truck unloading and acid storage buildings, evaporator room, injection facility, and chlorine scrubber areas.	
At a Glance: Estimated Percent Complete 99% Percent Extra Work 2.6% Estimated Completion Date January 2009	
Details: Bid Amount \$19,914,600 Earnings To Date \$20,428,609 Net Extra Work To Date \$523,637 Earnings This Month \$9,793 Net Extra Work This Month \$3,092 Contract Start 5/2/06 Duration in Working Days 360 Contract Completion 10/1/08 *	
Completed chlorine containment facility	


Contract No. 1633 Specifications No. 1516A Contractor: Brutoco Engineering & Construction, Inc.	Joseph Jensen Water Treatment Plant Jensen Chlorine Containment and Fluoride Project
Scope: The work consists of construction of new chlorine containment facility, evaporator room, and chlorine scrubber area, new fluorosilicic acid unloading, storage and injection facility, and associated work.	
At a Glance: Estimated Percent Complete 99% Percent Extra Work 4.7% Estimated Completion Date January 2009	
Details: Bid Amount \$19,988,000 Earnings To Date \$20,932,621 Net Extra Work To Date \$944,621 Earnings This Month \$417,924 Net Extra Work This Month \$133,924 Contract Start 8/29/06 Duration in Working Days 460 Contract Completion 12/30/08 *	
Final asphalt concrete paving	


*Time extension pending.

Contract No. 1649 Specifications No. 1559 Contractor: Brutoco Engineering & Construction, Inc.	F. E. Weymouth Water Treatment Plant Operations and Maintenance Building
Scope: The work consists of constructing a new centralized Operations and Maintenance Building of approximately 26,566 square feet including a Weld Shop, Machine Shop, Pipe Shop, Carpentry Shop, Test Area, Parts Storage Area, Instrumentation Shop, office areas, and restrooms/locker rooms.	
At a Glance: Estimated Percent Complete 99% Percent Extra Work 0.91% Estimated Completion Date January 2009	
Details: Bid Amount \$9,030,000 Earnings To Date \$9,112,448 Net Extra Work To Date \$82,448 Earnings This Month \$14,550 Net Extra Work This Month \$0 Contract Start 7/13/07 Duration in Working Days 220 Contract Completion 12/29/08 *	New 4-ton monorail crane in machine shop

Contract No. 1650 Specifications No. 1549 Contractor: C.W. Roen Construction Co.	Henry J. Mills Water Treatment Plant Ozone Contactors Nos. 3 and 4
Scope: The work consists of constructing two new contactors, installing Metropolitan-furnished ozone equipment, and making tie-ins to existing process and utility lines within the existing contactor structure.	
At a Glance: Estimated Percent Complete 78% Percent Extra Work 0.36% Estimated Completion Date June 2009	
Details: Bid Amount \$14,556,000 Earnings To Date \$11,446,369 Net Extra Work To Date \$52,290 Earnings This Month \$595,881 Net Extra Work This Month \$788 Contract Start 7/25/07 Duration in Working Days 460 Contract Completion 6/12/09	Installation of back-up power feed for contactors

*Contract substantially complete. Punch list work remains.

Contract No. 1651 Specifications No. 1589 Contractor: W.A. Rasic Construction Co., Inc.	Perris Valley Pipeline North Reach															
<p>Scope: The project consists of installing approximately 2.7 miles of large-diameter welded steel pipe. The work includes excavation; tunneling; pipe installation and welding; street improvements; construction of service connection EM-23; furnishing and installing valves and related piping; constructing manhole, blow-off, and other cast-in-place reinforced concrete vault structures; and electrical instrumentation and equipment.</p>																
<p>At a Glance:</p> <table border="0"> <tr> <td>Estimated Percent Complete</td> <td style="text-align: right;">92%</td> </tr> <tr> <td>Percent Extra Work</td> <td style="text-align: right;">0.55%</td> </tr> <tr> <td>Estimated Completion Date</td> <td style="text-align: right;">June 2009</td> </tr> </table>		Estimated Percent Complete	92%	Percent Extra Work	0.55%	Estimated Completion Date	June 2009									
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<p>Details:</p> <table border="0"> <tr> <td>Bid Amount</td> <td style="text-align: right;">\$39,250,000</td> </tr> <tr> <td>Earnings To Date</td> <td style="text-align: right;">\$36,252,111</td> </tr> <tr> <td>Net Extra Work To Date</td> <td style="text-align: right;">\$214,758</td> </tr> <tr> <td>Earnings This Month</td> <td style="text-align: right;">\$1,136,468</td> </tr> <tr> <td>Net Extra Work This Month</td> <td style="text-align: right;">\$116,754</td> </tr> <tr> <td>Contract Start</td> <td style="text-align: right;">8/7/07</td> </tr> <tr> <td>Duration in Working Days</td> <td style="text-align: right;">250</td> </tr> <tr> <td>Contract Completion</td> <td style="text-align: right;">10/23/08 *</td> </tr> </table>	Bid Amount	\$39,250,000	Earnings To Date	\$36,252,111	Net Extra Work To Date	\$214,758	Earnings This Month	\$1,136,468	Net Extra Work This Month	\$116,754	Contract Start	8/7/07	Duration in Working Days	250	Contract Completion	10/23/08 *
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Net Extra Work This Month	\$116,754															
Contract Start	8/7/07															
Duration in Working Days	250															
Contract Completion	10/23/08 *															
	Grading on Alessandro Boulevard															

Contract No. 1653 Specifications No. 1568 Contractor: Abhe & Svoboda, Inc.	CRA Reliability Program Phase 6															
<p>Scope: The project consists of rehabilitating deteriorated slide gates and upgrading electrical equipment at the San Jacinto Diversion Structure, and replacing valves and installing a security fence at the Desert Water/Coachella Valley discharge structure located at the Whitewater River.</p>																
<p>At a Glance:</p> <table border="0"> <tr> <td>Estimated Percent Complete</td> <td style="text-align: right;">34%</td> </tr> <tr> <td>Percent Extra Work</td> <td style="text-align: right;">0.54%</td> </tr> <tr> <td>Estimated Completion Date</td> <td style="text-align: right;">May 2009</td> </tr> </table>		Estimated Percent Complete	34%	Percent Extra Work	0.54%	Estimated Completion Date	May 2009									
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<p>Details:</p> <table border="0"> <tr> <td>Bid Amount</td> <td style="text-align: right;">\$3,382,110</td> </tr> <tr> <td>Earnings To Date</td> <td style="text-align: right;">\$1,150,347</td> </tr> <tr> <td>Net Extra Work To Date</td> <td style="text-align: right;">\$18,114</td> </tr> <tr> <td>Earnings This Month</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Net Extra Work This Month</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Contract Start</td> <td style="text-align: right;">10/8/07</td> </tr> <tr> <td>Duration in Working Days</td> <td style="text-align: right;">400</td> </tr> <tr> <td>Contract Completion</td> <td style="text-align: right;">5/8/09</td> </tr> </table>	Bid Amount	\$3,382,110	Earnings To Date	\$1,150,347	Net Extra Work To Date	\$18,114	Earnings This Month	\$0	Net Extra Work This Month	\$0	Contract Start	10/8/07	Duration in Working Days	400	Contract Completion	5/8/09
Bid Amount	\$3,382,110															
Earnings To Date	\$1,150,347															
Net Extra Work To Date	\$18,114															
Earnings This Month	\$0															
Net Extra Work This Month	\$0															
Contract Start	10/8/07															
Duration in Working Days	400															
Contract Completion	5/8/09															
	Existing plug valve to be replaced with stainless steel valve and spool															

*Water deliveries are anticipated to begin by February 2009, pending completion of member agency facilities.

Contract No. 1659
Specifications No. 1584
Contractor: Spiniello Companies

Air Release and Vacuum Valve Relocation for Treated Water Pipelines - Construction Package No. 4

Scope:
The project consists of removal of existing subsurface vacuum and air release valves; abatement of lead and asbestos-containing material inside subsurface vaults; and modification and extension of piping system for installation of new vacuum and air release valves at above-ground locations within the cities of Beverly Hills, Burbank, Carson, Downey, Gardena, Glendale, Inglewood, La Mirada, Los Angeles, Norwalk, Santa Fe Springs, Torrance, West Hollywood, and portions of Los Angeles County.



At a Glance:
Estimated Percent Complete 19%
Percent Extra Work 0.00%
Estimated Completion Date June 2009

Details:
Bid Amount \$1,447,500
Earnings To Date \$267,919
Net Extra Work To Date \$0
Earnings This Month \$72,594
Net Extra Work This Month \$0
Contract Start 6/13/08
Duration in Working Days 240
Contract Completion 6/11/09

Removal of 8-inch vacuum valve located in the city of Los Angeles

Contract No. 1660
Specifications No. 1597
Contractor: Zusser Company, Inc.

Air Release and Vacuum Valve Relocation for Treated Water Pipelines - Construction Package No. 5


Scope:
The project consists of removal of existing subsurface vacuum and air release valves; abatement of lead and asbestos-containing material inside subsurface vaults; and modification and extension of piping system for installation of new vacuum and air release valves at above-ground locations within the cities of Burbank, San Fernando, and the communities of Chatsworth, Granada Hills, Mission Hills, Pacoima, Sherman Oaks, Sun Valley, and Van Nuys within the City of Los Angeles.





At a Glance:
Estimated Percent Complete 24%
Percent Extra Work 0.00%
Estimated Completion Date June 2009


Details:
Bid Amount \$1,278,500
Earnings To Date \$311,414
Net Extra Work To Date \$0
Earnings This Month \$61,674
Net Extra Work This Month \$0
Contract Start 6/20/08
Duration in Working Days 240
Contract Completion 6/3/09


Removal of existing 4-inch vacuum valve located in Sun Valley


Contract No. 1661 Specifications No. 1439A Contractor: Abhe & Svoboda, Inc.	Robert B. Diemer Water Treatment Plant West Washwater Tank Refurbishment
Scope: The project consists of abrasive blasting and recoating of the exterior and interior surfaces of a steel water storage tank; seismic retrofit; tank disinfection; repairing trusses, beams, roof, hatch cover, and vent structure.	
At a Glance: Estimated Percent Complete 37% Percent Extra Work 0.00% Estimated Completion Date February 2009	
Details: Bid Amount \$1,053,100 Earnings To Date \$388,110 Net Extra Work To Date \$0 Earnings This Month \$82,487 Net Extra Work This Month \$0 Contract Start 6/13/08 Duration in Working Days 150 Contract Completion 2/3/09	Dehumidification system


Contract No. 1663 Specifications No. 1608 Contractor: Oscar Renda Contracting, Inc.	Perris Valley Pipeline South Reach
Scope: The project consists of constructing approximately 4 miles of 97-inch diameter fabricated steel pipeline with Service Connections EM-24 and WR-35.	
At a Glance: Estimated Percent Complete 9% Percent Extra Work 0.00% Estimated Completion Date January 2010	
Details: Bid Amount \$22,300,000 Earnings To Date \$1,998,889 Net Extra Work To Date \$0 Earnings This Month \$565,314 Net Extra Work This Month \$0 Contract Start 9/4/08 Duration in Working Days 340 Contract Completion 1/12/10	Installation of 97-inch pipe


Contract No. 1664 Specifications No. 1574 Contractor: Orion Construction Corp.	F.E. Weymouth Water Treatment Plant Coagulant Tank Farm Modifications
Scope: The project consists of retrofitting the existing alum/ferric storage and feed facilities, installation of a new roof canopy over the existing coagulant tank farm, construction of modifications to the alum/ferric tank farm, installation of a new polymer tank farm, demolition and removal of the existing storage building, carbon tank facility, and mechanical maintenance shop (Building No. 6), and an underground storage tank.	
At a Glance: Estimated Percent Complete 13% Percent Extra Work 0.00% Estimated Completion Date November 2010	
Details: Bid Amount \$10,437,000 Earnings To Date \$ 1,360,350.00 Net Extra Work To Date \$0 Earnings This Month \$ 123,100.00 Net Extra Work This Month \$0 Contract Start 6/30/08 Duration in Working Days 595 Contract Completion 11/30/10	Excavation and grading for new polymer tank farm chemical unloading pad





Contract No. 1665 Specifications No. 1598 Contractor: Cora Constructors, Inc.	Air Release and Vacuum Valve Relocation for Treated Water Pipelines - Construction Package No. 6
Scope: The project consists of removal of existing subsurface vacuum and air release valves; abatement of lead and asbestos-containing material inside subsurface vaults; and modification and extension of piping system for installation of new vacuum and air release valves at above-ground locations within the cities of Brea, Buena Park, Fullerton, Placentia, Stanton, and Yorba Linda.	
At a Glance: Estimated Percent Complete 41% Percent Extra Work 0.00% Estimated Completion Date June 2009	
Details: Bid Amount \$1,609,100 Earnings To Date \$657,890 Net Extra Work To Date \$0 Earnings This Month \$129,590 Net Extra Work This Month \$0 Contract Start 7/2/08 Duration in Working Days 240 Contract Completion 6/15/09	Welding of neck flanges onto fittings at contractor's yard in Yorba Linda


Contract No. 1666 Specifications No. 1621 Contractor: Western Lightwave, Inc.	Phase Two Network Upgrade - Desert Fiber Optic Cable
Scope: The project consists of installing approximately 6,500 feet of aerial and underground fiber optic cable and equipment at Gene Wash Dam, Iron Mountain Pumping Plant, and Eagle Mountain Pumping Plant.	
At a Glance: Percent Complete 100% Percent Extra Work 0.00% Completion Date December 2008	
Details: Bid Amount \$200,491 Earnings To Date \$200,491 Net Extra Work To Date \$0 Earnings This Month \$96,328 Net Extra Work This Month \$0 Contract Start 8/6/08 Duration in Working Days 80 Actual Contract Completion 12/18/08	
Installation of new fiber optic ductbank at Iron Mountain Pumping Plant	


Contract No. 1667 Specifications No. 1500 Contractor: Shimmick Construction/Obayashi Corp. JV	Robert B. Diemer Water Treatment Plant Oxidation Retrofit Program
Scope: The project consists of constructing an ozone generation building, ozone contactors, contactor inlet and outlet conduits, an underground contactor rejection tunnel, liquid oxygen (LOX) storage and feed system, chemical feed facilities, unit substation, switchgear building, emergency generator building, and large diameter yard conduits and piping.	
At a Glance: Estimated Percent Complete 7% Percent Extra Work 0.01% Estimated Completion Date May 2012	
Details: Bid Amount \$188,080,588 Earnings To Date \$14,018,034 Net Extra Work To Date \$15,697 Earnings This Month \$2,683,108 Net Extra Work This Month \$15,697 Contract Start 8/15/08 Duration in Working Days 950 Contract Completion 5/18/12	
Future site for ozone contactors and contactor building	


Contract No. 1668 Specifications No. 1619 Contractor: SunPower Corporation, Systems	Skinner Water Treatment Plant Solar Power Generation Facility	
<p>Scope: The project consists of providing all equipment and constructing a 1 MW photovoltaic solar power generation facility including ground-mount solar panels on single or dual axis tracking platforms, equipment pads, canopies, inverters, lighting, weather station, monitoring system, chain link fence and gates.</p>		
<p>At a Glance:</p> <p>Estimated Percent Complete 2% Percent Extra Work 0.00% Estimated Completion Date May 2009</p>		
<p>Details:</p> <p>Bid Amount \$9,984,000 Earnings To Date \$241,613 Net Extra Work To Date \$0 Earnings This Month \$0 Net Extra Work This Month \$0 Contract Start 8/6/08 Duration in Working Days 200 Contract Completion 5/20/09</p>		
		Finished grading for installation of solar arrays


Contract No. 1669 Specifications No. 1575A Contractor: W.E. O'Neil Construction Co. of California	Union Station Tenant Improvements	
<p>Scope: The project consists of the addition of storage/work space for the 4th and 5th floors including demolition, modification of lightning and HVAC system, interior walls, custom millwork cabinetry, flooring, painting, ceiling, electrical, and communications. This is a reimbursable project for the tenant, the State of California Division of State Architect (DSA).</p>		
<p>At a Glance:</p> <p>Estimated Percent Complete 94% Percent Extra Work 0.00% Estimated Completion Date January 2009</p>		
<p>Details:</p> <p>Bid Amount \$162,457 Earnings To Date \$153,457 Net Extra Work To Date \$0 Earnings This Month \$23,043 Net Extra Work This Month \$0 Contract Start 8/22/08 Duration in Working Days 80 Contract Completion 1/9/09</p>		
		Millwork in new plan check room on 5th floor


Contract No. 1670 Specifications No. 1609 Contractor: Terra Pave, Inc.	Olinda Pressure Control Facility Pavement Repair
Scope: The project consists of repairing approximately 11,500 square feet of existing asphalt and constructing drainage features.	
At a Glance: Estimated Percent Complete 63% Percent Extra Work 0.00% Estimated Completion Date February 2009	
Details: Bid Amount \$107,400 Earnings To Date \$68,000 Net Extra Work To Date \$0 Earnings This Month \$24,100 Net Extra Work This Month \$0 Estimated Contract Start 9/22/08 Duration in Working Days 80 Contract Completion 2/6/09	
Contract No. 1671 Specifications No. 1590 Contractor: Grand Pacific Contractors, Inc.	Diamond Valley Lake - St. John Channel Repair and Modifications
Scope: The project consists of demolition, removal, and replacement of portions of the existing concrete and gabion channel lining; grading of an earthen access road; and construction of concrete slope lining and cutoff walls, reinforced concrete-lined trapezoidal ditch and v-ditches, reinforced concrete overpours, and reinforced concrete access road.	
At a Glance: Estimated Percent Complete 12% Percent Extra Work 0.00% Estimated Completion Date April 2009	
Details: Bid Amount \$503,100 Earnings To Date \$59,982 Net Extra Work To Date \$0 Earnings This Month \$46,280 Net Extra Work This Month \$0 Estimated Contract Start 9/22/08 Duration in Working Days 120 Contract Completion 4/1/09	

Contract No. 1672 Specifications No. 1616 Contractor: Gantry Constructors, Inc.	Lake Skinner East Bypass Screening Structure Rehabilitation
Scope: The project consists of removing and disposing of the existing two inoperative screens; designing, furnishing, and installing three new dual flow rotating screens, four trash racks, and one slide gate; refurbishing existing algae removal facilities; and removing and replacing the existing emergency generator and fuel tanks.	
At a Glance: Estimated Percent Complete 9% Percent Extra Work 0.00% Estimated Completion Date October 2009	
Details: Bid Amount \$4,591,500 Earnings To Date \$406,300 Net Extra Work To Date \$0 Earnings This Month \$117,800 Net Extra Work This Month \$0 Estimated Contract Start 9/17/08 Duration in Working Days 260 Contract Completion 10/9/09	
Location of future screening units	

Contract No. 1673 Specifications No. 1557 Contractor: Brutoco Engineering & Construction, Inc.	Joseph Jensen Water Treatment Plant Solids Thickeners 5 and 6
Scope: The project consists of constructing two gravity solids thickeners and a sludge vault; replacing three centrifugal pumps, two rotary lobe pumps, and two sludge scraper rake gearboxes; adding one rotary lobe pump; installing four annular feed rings on four existing gravity solids thickeners; reconfiguring piping systems; and performing sitework. The work also includes removal of PCB-containing joint sealants and PCB-contaminated concrete, construction and expansion joint cleaning and preparation, sealant placement in construction and expansion joints, and replacement of wood boards in Sedimentation Basin No. 3.	
At a Glance: Estimated Percent Complete 9% Percent Extra Work 0.00% Estimated Completion Date March 2010	
Details: Bid Amount \$5,499,000 Earnings To Date \$518,620 Net Extra Work To Date \$0 Earnings This Month \$170,620 Net Extra Work This Month \$0 Contract Start 10/28/08 Duration in Working Days 340 Contract Completion 3/5/10	
Excavation for new sludge thickeners	

Contract No. 1674 Specifications No. 1644 Contractor: Fleming Environmental Inc.	Phase 2 Enhanced Vapor Recovery Systems for Desert Region
Scope: The project consists of upgrading the existing gasoline-fuel stations with new vapor recovery equipment to comply with California Air Resources Board Phase 2 Enhanced Vapor Recovery Rule at Metropolitan's Eagle Mountain, Gene, Hinds, and Iron Mountain Pumping Plants.	
At a Glance: Estimated Percent Complete 3% Percent Extra Work 0.00% Estimated Completion Date April 2009	
Details: Bid Amount \$314,135 Earnings To Date \$10,000 Net Extra Work To Date \$0 Earnings This Month \$10,000 Net Extra Work This Month \$0 Contract Start 10/27/08 Duration in Working Days 120 Contract Completion 4/20/09	
Fuel dispensers and existing fuel tank lids at Gene Pumping Plant	

Contract No. 1675 Specifications No. 1645 Contractor: American Construction & Environmental Services, Inc.	Phase 2 Enhanced Vapor Recovery Systems for Western Region
Scope: The project consists of upgrading the existing gasoline-fuel stations with new vapor recovery equipment to comply with California Air Resources Board Phase 2 Enhanced Vapor Recovery Rule at Metropolitan's Jensen Plant, Sunset Garage, Soto Street, and Weymouth Plant.	
At a Glance: Estimated Percent Complete 2% Percent Extra Work 0.00% Estimated Completion Date April 2009	
Details: Bid Amount \$288,833 Earnings To Date \$7,000 Net Extra Work To Date \$0 Earnings This Month \$7,000 Net Extra Work This Month \$0 Contract Start 10/27/08 Duration in Working Days 120 Contract Completion 4/20/09	
Contractor's permit consultant at Soto Street	

Contract No. 1676 Specifications No. 1646 Contractor: Environmental Project Services, Inc.	Phase 2 Enhanced Vapor Recovery Systems for Eastern Region
Scope: The project consists of upgrading the existing gasoline-fuel stations with new vapor recovery equipment to comply with California Air Resources Board Phase 2 Enhanced Vapor Recovery Rule at Metropolitan's Lake Mathews, Mills Plant, and Skinner Plant.	
At a Glance: Estimated Percent Complete 5% Percent Extra Work 0.00% Estimated Completion Date April 2009	
Details: Bid Amount \$216,000 Earnings To Date \$10,000 Net Extra Work To Date \$0 Earnings This Month \$10,000 Net Extra Work This Month \$0 Contract Start 10/30/08 Duration in Working Days 120 Contract Completion 4/22/09	
Existing vent lines at Skinner Plant	