

- Engineering Services Key Activities for the Month of August 2006

## Summary

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- Recent Events
- Skinner Area Projects:
  - San Diego Pipeline No. 6 North Reach
  - Skinner Water Treatment Plant Expansion No. 4
- Supply and Delivery Reliability
  - Inland Feeder Program
  - Perris Valley Pipeline Program
- Infrastructure Reliability
  - Conveyance and Distribution System Rehabilitation Program
  - Reservoir Cover and Replacement Program
  - Weymouth Water Treatment Plant Improvements Program
- Integrated Area Studies
- Water Quality:
  - Oxidation Retrofit Program
- Regulatory:
  - Chlorine Containment and Handling Facilities

## Attachments

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Monthly Progress Report of Construction and Procurement Contracts for July 2006.

## Detailed Report

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This report details key engineering activities for the month August 2006.

## Board Report (Engineering Key Activities Report for the month of August 2006)

### **Recent Events:**

- First Annual California Construction Expo – The Expo was held on August 17, 2006, at the Los Angeles Convention Center. It was a collaboration of Metropolitan, Los Angeles Unified School District, and Los Angeles Community College District to encourage contractors to learn about upcoming projects and attend workshops on how to conduct business with the public sector. The objective was to promote competitive bids for our projects by encouraging more contractors to bid on Metropolitan projects during the current busy market environment.
- On August 22, 2006, the Engineering and Operations Committee conducted a director's trip to the Eagle Rock Operations Control Center. Briefings were given on Metropolitan's Supervisory Control and Data Acquisition (SCADA) system and Water System Operations' automation efforts.
- OC-88 Incentive Rebate – In November 2005, as part of the Southern California Edison "Savings by Design" program, Metropolitan received an incentive rebate in the amount of \$415,000 for the OC-88 Energy Efficiency project. This August, a second incentive payment was received for \$75,000, for a total rebate amount of \$490,000. Operation of the OC-88 Pump Station is now expected to reduce Metropolitan's electricity cost by an average \$1.1 million per year.
- Mills Capacity Upgrade Program – A Value Engineering (VE) session was conducted in late July, focusing on the Modules 1 and 2 Rehabilitation and Chemical System Capacity Upgrades. Metropolitan will review the draft report in August and incorporate selected recommendations in the final design phase of both projects.
- Notices Inviting Bids for the following project were issued in August:
  - Specification No. 1561A – Colorado River Aqueduct, Siphons, Transitions, Canals, and Tunnels Rehabilitation
  - Specification No. 1542 – Air Release and Vacuum Valve Relocation for Treated Water Pipelines, Construction Package No. 1
- Bids for the following project were opened in August:
  - Specification No. 1539A – San Diego Canal Rehabilitation Phase I
  - Specification No. 1561 – Colorado River Aqueduct Siphons, Transitions, Canals, and Tunnels Rehabilitation – All bids were rejected and the project has been rebid.
  - Specification No. 1571 – Foothill Feeder Santa Clara Valley Pipeline Repair

**Skinner Area Projects**

**San Diego Pipeline No. 6 North Reach:** Installation of the North Reach pipeline is complete. The contractor has also completed installation of piping at the blow-off structure located at station 2+40 (Figure 1). The pipe is currently being filled with raw water from Lake Skinner in preparation for final pressure testing. The tunnel excavation, pipeline installation, and backfilling at Rancho California Road are complete.

Permanent fencing along Buck Road and the Johnson Reserve boundary was completed this month. Road restoration, backfilling minor structures, and other miscellaneous punch list items along the alignment continue.

Construction of the North Reach has been completed on schedule and within budget. Full on-line service is scheduled for September 30, 2006.



Figure 1: Installation of piping at the blow-off structure

**Skinner Area Projects (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. In order to expedite construction of the expansion, the work is being completed under multiple construction contracts. Module No. 7 construction is approximately 87 percent complete and is scheduled to be completed in March 2007. Recent activities include the following:

- The Washwater Reclamation Plant No. 3 (Figure 2), which is part of the ORP construction contract, is approximately 71 percent complete and is scheduled to be completed in November 2006.
- The Chemical Systems Modifications work is approximately 39 percent complete and is scheduled to be completed in June 2007.

The additional 110 mgd of treatment capacity is scheduled to be on-line by summer 2007. All remaining work under the program, including final site improvements and non-critical-path piping work, is on schedule to be completed in fiscal year 2008/09.



Figure 2: Washwater Reclamation Plant No. 3 Inlet Line – looking southwest

Board Report (Engineering Key Activities Report for the month of August 2006)

**Supply and Delivery Reliability:**

**Inland Feeder Program:** The 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 Devil Canyon Afterbay. Eight of nine construction contracts have been completed. Recent activities include the following:

- Arrowhead East Tunnel – Favorable rock and relatively low groundwater conditions continued on the Arrowhead East Tunnel, which allowed the contractor to make steady mining progress. During August (through the 21st) the tunnel-boring machine (TBM) advanced 385 feet for a total of 14,000 feet (62 percent of the total length) to date. In early August, the contractor halted mining for five days and performed a planned replacement of the TBM screw auger.
- Arrowhead West Tunnel (Figure 3) – The TBM continues moving slowly through an extended length of fault/shear zone material. During August (through the 21st) the TBM advanced 160 feet for a total of 6,620 (33 percent of the total length) to date.
- On August 15, 2006, the Board approved a proposed settlement agreement with the contractor, and amendment of the contract for construction of the Arrowhead Tunnels.

The program is expected to be completed by 2010 and within the Board-approved budget of \$1.186 billion.



Figure 3: Tunnel operations at the Waterman Canyon portal site

**Supply and Delivery Reliability (cont):**

**Perris Valley Pipeline:** This 96-inch diameter pipeline will extend from the Mills plant and provide service to Eastern Municipal Water District (EMWD) and Western Municipal Water District of Riverside County (WMWD). A portion of the pipeline at the Mills plant was recently constructed via a contract issued by WMWD (Figure 4).

The agencies have been negotiating with a design-builder to complete the remaining portions of the pipeline. However, the parties have been unable to reach agreement on terms of the design-build contract, as reported to the Engineering and Operations Committee at its August meeting. Metropolitan staff is evaluating options and will return to the Board with a recommendation for construction of the Perris Valley Pipeline.



Figure 4: Installation of valve for Perris Valley Pipeline -Phase I

Board Report (Engineering Key Activities Report for the month of August 2006)

**Infrastructure Reliability:**

**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 52 projects, of which 20 have been completed. Recent activities include the following:

- Box Springs Feeder Repairs – This project initially consists of the repair of one broken-back prestressed concrete cylinder pipe section. Design is 50 percent complete with completion scheduled for September 2006.
- Foothill Feeder Repair – Construction of this project was originally scheduled for February 2006, but it was discovered that groundwater in the area is contaminated. The project documents have been revised to include procedures and permits for treating the groundwater prior to excavation and during construction. Bids were opened on August 7 and a request to the Board to award a contract is scheduled for September 2006.
- St. Johns Canyon Channel Erosion Damage Repair – This project consists of repair of the channel where it was damaged by storm runoff (Figure 5). Preliminary design is 95 percent complete with completion scheduled for September 2006.
- San Diego Canal Lining Repairs - This project consists of repairs to the San Diego Canal liner that were identified during a January 2005 inspection. The inspection revealed damaged areas including exposed reinforcing steel, spalled concrete, separation cracks, and differential settlement. Bids were opened on August 16, 2006 and a request to the Board to award a contract is scheduled for September 2006.

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



Figure 5: Storm run-off damage at St. Johns Canyon Channel

**Infrastructure Reliability (cont.)**

**Reservoir Cover and Replacement Program:** This program consists of replacement of the floating covers, installation of liners, and related repairs at the Orange County, Palos Verdes, and Skinner Finished Water (FWR) Reservoirs. The existing floating covers at these three facilities have reached the end of their useful lives and require replacement.

- Orange County Reservoir: Staff is proceeding with final design of the replacement floating cover. The existing cost-sharing agreement with Municipal Water District of Orange County (MWDOC) and the Cities of Brea, Fullerton, and La Habra expired in July 2006. Metropolitan has resumed control of the other parties' storage allocations and the corresponding cover maintenance costs.
- Palos Verdes Reservoir: Preliminary design is underway and is expected to be completed by September 2006.
- Skinner Finished Water Reservoir: A recent inspection of Skinner FWR indicated accelerated aging of the floating cover material (Figure 6). Staff is preparing a September Board letter to recommend design of the replacement floating cover.

The program is on schedule to be completed by fiscal year 2009/2010 and is within budget.



Figure 6: Skinner Finished Water Reservoir in background



## Board Report (Engineering Key Activities Report for the month of August 2006)

### **Infrastructure Reliability (cont.)**

**Weymouth Water Treatment Plant Improvements Program:** This program was initiated to maintain reliability and improve the operating efficiency of the Weymouth plant through specific improvement projects. The program currently contains 17 projects. Recent activities include the following:

- Solids Handling Facilities – The facility is operational and modifications to the control software have been completed.
- La Verne Power System Upgrade Project – Preliminary design is 75 percent complete and is scheduled to be completed by fall 2006.
- Filter Valve Improvements – Final design is 95 percent complete and is scheduled to be completed in October 2006.
- Weymouth Perimeter Improvements – The Weymouth perimeter improvements will be staged in several work packages. Bids were opened for the first package, for improvements along the west plant boundary, on July 11 and a September Board action is planned to award a construction contract. The second package will include landscaping and perimeter improvements along the north and south plant boundaries. Landscaping will utilize California Friendly vegetation. The third package will include traffic and security improvements at the Wheeler Avenue entrance. The fourth stage of improvements will be constructed along with the Weymouth Oxidation Retrofit Program.
- Seismic Upgrades – Preliminary design for seismic upgrade of the Junction Structure was completed. An October Board action is planned for authorization of final design.
- Drop Gates – A September Board action is planned for authorization of final design of a gate to isolate Basins 1–4 from Basins 5–8.

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

### **Integrated Area Studies:**

In an effort to better integrate local and regional water systems and planning efforts, Metropolitan and its member agencies are conducting joint Integrated Area Studies (IAS) to identify the local and regional facilities that will be required to meet future water demands. Due to the importance of reaching a consensus on the demand projection and facility timing analyses, Metropolitan formed a technical review panel in July composed of members from the Riverside /San Diego and Central Pool IAS teams. This review team was provided with technical memoranda explaining Metropolitan's methodologies and assumptions on demands, peaking and facility timing models. A workshop was held on August 2nd where the IAS technical panel could receive clarifications from Metropolitan staff and raise questions and/or suggestions to be considered by an expert panel of consultants. These IAS panel questions were forwarded to the expert panel for consideration of how we may increase the accuracy of the IAS projections and bracket the amount of uncertainty. A second workshop will be held September 14th to discuss feedback from the expert panel. The results will then be shared with the full IAS teams in a joint Riverside/San Diego and Central pool IAS meeting on September 21st.

Date of Report: September 12, 2006

Board Report (Engineering Key Activities Report for the month of August 2006)

**Water Quality:**

**Oxidation Retrofit Program:** This program was established to reduce the level of disinfection by-products in the finished water at all five of Metropolitan’s treatment plants in order to meet state and federal drinking water regulations and to remove blend or plant capacity restrictions at the three blend plants. Recent activities include the following:

- Mills Plant – The plant’s ozone system became fully operational in March 2003. Final design of two new ozone contactors to upgrade the plant’s ozonation system capacity to 326 mgd is 90 percent complete. It is anticipated that the project will be advertised for bid in January 2007.
- Jensen Plant – The plant’s ozone system became fully operational on July 1, 2005.
- Skinner Plant – Ozone facilities construction is approximately 29 percent complete (Figure 7).
- Weymouth Plant – Final design is 90 percent complete and is scheduled to be completed by December 2006.
- Diemer Plant – In preparing the site for upcoming ozone construction, support facilities are being relocated and the south slope stabilization is underway. Construction of the new Plant Maintenance Facilities is approximately 52 percent complete. Construction of the Vehicle Maintenance Center is 65 percent complete. Both facilities are scheduled to be completed by December 2006. Construction of Phase I of the Chemical Tank Farm improvements for the ORP is 40 percent complete, with completion scheduled in early 2007. The south slope stabilization contractor has mobilized and is preparing submittals for review. This contract is scheduled to be completed in March 2008. Final design of the overall ozone facilities is 55 percent complete.



Figure 7: Skinner plant – Connection between Plant No.1 inlet pipe and contactor outlet channel

Board Report (Engineering Key Activities Report for the month of August 2006)

**Regulatory:**

**Chlorine Containment and Handling Facilities:** This program includes design and construction of facilities at all five water treatment plants and the Chlorine Unloading Facility (CUF) to handle and contain chlorine, minimizing the possibility of a chlorine leak. Recent activities include the following:

- Diemer and Weymouth Plants – The Diemer and Weymouth projects were completed in 2002 and 2005, respectively, and are fully operational.
- Jensen Plant – The Board awarded a construction contract in July 2006. Notice to Proceed was issued in August.
- Mills Plant – The Board awarded a construction contract in May 2006. Construction of the chlorine containment facilities is 4 percent complete (Figure 8).
- Skinner Plant – Construction of the chlorine containment facilities is 37 percent complete.
- Chlorine Unloading Facility (CUF) – Preliminary design is scheduled to commence in late 2006.

The program is on schedule to be completed in fiscal year 2009/10 and is within budget.



Figure 8: Mills plant – Chlorine containment excavation and formwork



**MONTHLY PROGRESS REPORT  
OF CONSTRUCTION AND PROCUREMENT CONTRACTS  
July 2006  
(Progress Through July 25, 2006)**

| <b>Summary of Progress</b>  |                |                     |
|---|----------------|---------------------|
|   | Construction   | Related Procurement |
| Number of Contracts   | 28             | 5                   |
| Total Bid Amount of Contracts in Progress   | \$ 897,869,141 | \$ 35,781,809       |
| Number of Contracts Awarded This Month  | 1              | 0                   |
| Total Bid Amount of Contracts Awarded This Month  | \$ 19,988,000  | \$ -                |
| Contract Gross Earnings This Month*   | \$ 26,340,051  | \$ 663,632          |
| <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**

Contract No. 1633, Joseph Jensen Water Treatment Plant Chlorine Containment and Fluoride Project, in the amount of \$19,988,000, was awarded to Brutoco Engineering and Construction, Inc. 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.

**Contracts Completed This Month**

Contract No. 1603, F.E. Weymouth Water Treatment Plant, Replace Surface Wash Headers in Filter Building No. 1, was completed on July 24, 2006, and the notice of completion was recorded on August 1, 2006.

**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 2)**

| Cont. No.                      | Spec. No. | Feature  | Contractor                               | Bid Amount            | Earnings This Month | Earnings To Date      | Net Extra Work To Date | Start Date | Contract Completion Date | Estimated Completion Date | Estimated Percent Complete |
|--------------------------------|-----------|--|--|-----------------------|---------------------|-----------------------|------------------------|------------|--------------------------|---------------------------|----------------------------|
| <b>Inland Feeder Contract</b>  |           |  |  |                       |                     |                       |                        |            |                          |                           |                            |
| 1542                           | 1437      | Arrowhead Tunnels Project  | J. F. Shea / Kenny                       | \$ 242,250,000        | \$ 2,399,591        | \$ 167,846,979        | \$ 27,283,402          | 8/2/02     | 7/11/07                  | 11/08                     | 62%                        |
| <b>Inland Feeder Totals</b>    |           |  |  | <b>\$ 242,250,000</b> | <b>\$ 2,399,591</b> | <b>\$ 167,846,979</b> | <b>\$ 27,283,402</b>   |            |                          |                           |                            |
| <b>Miscellaneous Contracts</b> |           |  |  |                       |                     |                       |                        |            |                          |                           |                            |
| 1569                           | 1466      | OC-88 Energy Savings Modifications   | Kiewit Pacific Co.                       | \$ 9,095,000          | \$ -                | \$ 9,448,177          | \$ 710,066             | 8/13/03    | 11/3/05                  | 8/06                      | 96% <sup>1</sup>           |
| 1588                           | 1468      | Diemer Water Treatment Plant Settling Basin No. 8 Spillway Conduit   | Kiewit Pacific Co.                       | \$ 3,726,000          | \$ 4,800            | \$ 3,850,691          | \$ 175,091             | 10/27/04   | 1/15/07                  | 1/07                      | 99%                        |
| 1589                           | 1492      | Weymouth Water Treatment Plant Solids Handling Facilities  | Brutoco Engineering & Construction, Inc. | \$ 14,090,000         | \$ 70,073           | \$ 14,261,454         | \$ 180,484             | 10/20/04   | 3/30/2006                | 10/06                     | 99% <sup>2</sup>           |
| 1593                           | 1489      | Skinner Water Treatment Plant Expansion No. 4 Module No. 7   | J. R. Filanc Construction Company, Inc.  | \$ 76,383,645         | \$ 2,826,552        | \$ 68,890,844         | \$ 4,093,754           | 1/5/05     | 3/19/07                  | 3/07                      | 86%                        |
| 1598                           | 1479      | San Diego Pipeline No. 6 North Reach   | J. F. Shea Construction, Inc.            | \$ 65,806,000         | \$ 2,507,933        | \$ 62,965,231         | \$ 578,812             | 1/24/05    | 1/20/07                  | 2/07                      | 95%                        |
| 1599                           | 1496      | Diemer Water Treatment Plant Yorba Linda Feeder Bypass   | Mladen Buntich Construction Co.          | \$ 5,915,000          | \$ -                | \$ 5,913,744          | \$ 26,294              | 2/16/05    | 6/22/06                  | 9/06                      | 99% <sup>1</sup>           |
| 1603                           | 1506A     | Weymouth Water Treatment Plant Replace Surface Wash Headers in Filter Building No. 1                         | Brutoco Engineering & Construction, Inc. | \$ 3,136,400          | \$ -                | \$ 3,133,393          | \$ 125,000             | 5/19/05    | 7/24/06                  | 7/06                      | 100%                       |
| 1605                           | 1513A     | Diemer Water Treatment Plant Administration Building Reroofing   | Best Roofing & Waterproofing, Inc.       | \$ 161,094            | \$ -                | \$ 161,094            | \$ -                   | 5/19/05    | 12/10/05                 | 8/06                      | 99% <sup>1</sup>           |
| 1607                           | 1504      | Diemer Water Treatment Plant Entrance Relocation, Vehicle Maintenance Center, and Solids Handling Facilities | Brutoco Engineering & Construction, Inc. | \$ 29,260,000         | \$ 2,079,605        | \$ 18,783,255         | \$ 91,015              | 6/13/05    | 11/16/06                 | 11/06                     | 64%                        |
| 1609                           | 1483      | Skinner Water Treatment Plant Oxidation Retrofit Program and Washwater Reclamation Plant No. 3               | Shimmick Construction/Obayashi Corp. JV  | \$ 184,650,000        | \$ 4,161,110        | \$ 50,209,911         | \$ 484,631             | 7/28/05    | 1/8/09                   | 1/09                      | 27%                        |
| 1610                           | 1501      | Weymouth Water Treatment Plant Finished Water Reservoir Roof Recoating                                       | CentiMark Corporation                    | \$ 1,440,000          | \$ 142,860          | \$ 1,523,140          | \$ -                   | 7/27/05    | 12/25/05                 | 8/06                      | 99% <sup>2</sup>           |
| 1611                           | 1503A     | Fire Protection for Remote Communication Sites   | Sabah International, Inc.                | \$ 231,348            | \$ -                | \$ 211,676            | \$ -                   | 9/13/05    | 6/27/06                  | 9/06                      | 91% <sup>2</sup>           |
| 1612                           | 1528      | Diemer Water Treatment Plant Rehabilitate Filter Surface Wash Headers  | Norman A. Olsson Construction, Inc.      | \$ 1,849,331          | \$ 36,986           | \$ 1,223,831          | \$ -                   | 10/12/05   | 9/25/07                  | 9/07                      | 66%                        |

<sup>1</sup> Contract accepted as substantially complete. Punch list work remains.

<sup>2</sup> Time Extension pending.

**SUMMARY CONTINUED ON NEXT PAGE**



Summary of Construction Contracts (Page 2 of 2)

| Cont. No.  | Spec. No. | Feature  | Contractor                                 | Bid Amount            | Earnings This Month  | Earnings To Date      | Net Extra Work To Date | Start Date | Contract Completion Date | Estimated Completion Date | Estimated Percent Complete |
|--|-----------|--|--|-----------------------|----------------------|-----------------------|------------------------|------------|--------------------------|---------------------------|----------------------------|
| <b>Miscellaneous Contracts</b>                           |           |  |  |                       |                      |                       |                        |            |                          |                           |                            |
| 1613   | 1533      | Diemer Washwater Tank Pumps Replacement  | DenBoer Engineering & Construction, Inc.   | \$ 355,000            | \$ 8,000             | \$ 126,500            | \$ -                   | 11/9/05    | 8/25/06                  | 8/06                      | 36%                        |
| 1614   | 1505      | Diemer Plant Maintenance Facilities  | Brutoco Engineering & Construction, Inc.   | \$ 8,219,000          | \$ 475,560           | \$ 4,239,351          | \$ 100,000             | 11/9/05    | 3/8/07                   | 3/07                      | 51%                        |
| 1616   | 1498      | Skinner Water Treatment Plant Chemical Systems Modifications                           | Kiewit Pacific Co.                         | \$ 109,944,000        | \$ 7,580,539         | \$ 38,191,777         | \$ 294,958             | 11/28/05   | 6/5/07                   | 6/07                      | 35%                        |
| 1619   | 1400      | Mills Water Treatment Plant Main Entrance Road Realignment and Perimeter Landscaping   | Mega Way Enterprises                       | \$ 3,295,000          | \$ 120,000           | \$ 500,000            | \$ -                   | 1/25/06    | 7/2/07                   | 7/07                      | 15%                        |
| 1620   | 1495      | Diemer Water Treatment Plant Chemical System Upgrades                                  | Brutoco Engineering & Construction, Inc.   | \$ 13,960,000         | \$ 1,461,125         | \$ 5,644,415          | \$ -                   | 1/13/06    | 1/24/07                  | 1/07                      | 40%                        |
| 1623   | 1540      | Foothill Feeder Carbon Fiber Liner Repairs   | Fibrwrap Construction, Inc.                | \$ 1,250,000          | \$ -                 | \$ 116,541            | \$ -                   | 1/30/06    | 5/19/06                  | <sup>1</sup>              | 9%                         |
| 1625   | 1527      | Jensen Water Treatment Plant Elevator Rehabilitation                                   | Excel Elevator Services, Inc.              | \$ 98,500             | \$ -                 | \$ -                  | \$ -                   | 5/8/06     | 11/10/06                 | 10/06                     | 0%                         |
| 1626   | 1553      | Diamond Valley Lake East Recreation Area Landscaping and Signage Improvements, Phase 1 | Sunrise Landscape Co., Inc.                | \$ 1,963,700          | \$ 206,306           | \$ 1,861,226          | \$ -                   | 3/9/06     | 10/05/06                 | 11/06                     | 95%                        |
| 1627   | 1531      | Diamond Valley Lake East Recreation Area Searl Parkway Improvements, Phase 2           | Griffith Company                           | \$ 6,242,068          | \$ 988,532           | \$ 2,050,392          | \$ -                   | 3/27/06    | 1/9/07                   | 1/07                      | 33%                        |
| 1628   | 1517      | Mills Water Treatment Plant Chemical System Upgrades                                   | J. R. Filanc Construction Co., Inc.        | \$ 19,914,600         | \$ 108,629           | \$ 559,431            | \$ -                   | 5/2/06     | 10/4/07                  | 10/07                     | 3%                         |
| 1630   | 1522      | Magazine Canyon Canopy   | C. J. Tech Construction Inc.               | \$ 144,000            | \$ -                 | \$ 39,500             | \$ -                   | 5/8/06     | 8/29/06                  | 8/06                      | 27%                        |
| 1631   | 1535      | Diemer Water Treatment Plant Site Preparation for Oxidation Retrofit Program           | Kiewit Pacific Co.                         | \$ 70,516,455         | \$ 1,080,600         | \$ 2,610,600          | \$ -                   | 5/15/06    | 2/19/08                  | 2/08                      | 4%                         |
| 1632   | 1518A     | Weymouth Water Treatment Plant Chemical System Upgrades                                | Brutoco Engineering and Construction, Inc. | \$ 3,985,000          | \$ 81,250            | \$ 171,250            | \$ -                   | 6/19/06    | 11/19/07                 | 11/07                     | 4%                         |
| 1633   | 1516A     | Jensen Water Treatment Plant Chlorine Containment and Fluoride Project                 | Brutoco Engineering and Construction, Inc. | \$ 19,988,000         | \$ -                 | \$ -                  | \$ -                   | 8/29/06    | 6/24/08                  | 6/08                      | 0%                         |
| <b>Miscellaneous Contract Totals</b>                     |           |  |  | <b>\$ 655,619,141</b> | <b>\$ 23,940,460</b> | <b>\$ 296,687,424</b> | <b>\$ 6,860,105</b>    |            |                          |                           |                            |
| <b>Total Value of Construction Contracts in Progress</b> |           |  |  | <b>\$ 897,869,141</b> | <b>\$ 26,340,051</b> | <b>\$ 464,534,403</b> | <b>\$ 34,143,507</b>   |            |                          |                           |                            |

<sup>1</sup> Time extension pending.





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

| Cont. No. | Spec. No. | Feature  | Contractor                               | Bid Amount   | Estimated Final Earnings | Total Net Value of Extra Work | Date Work Accepted | Date Notice of Completion Recorded | Date Final Payment Due |
|-----------|-----------|--|--|--------------|--------------------------|-------------------------------|--------------------|------------------------------------|------------------------|
| 1603      | 1506A     | F.E. Weymouth Water Treatment Plant, Replace Surface Wash Headers in Filter Building No. 1 | Brutoco Engineering & Construction, Inc. | \$ 3,136,400 | \$ 3,133,393 *           | \$ 125,000                    | 7/24/06            | 8/1/06                             | 9/22/06                |
|           |           |  |  |              |                          |                               |                    |                                    |                        |

\*Combination of extra work, credits and bid quantity variations caused the estimated final earnings to be less than bid amount.

**Summary of Procurement Contracts**


| Cont. No.   | Spec. No. | Feature   | Contractor                    | Bid Amount           | Earnings This Month | Earnings to Date     | Starting Date | Delivery Date | Remarks   |
|---|-----------|---|-------------------------------|----------------------|---------------------|----------------------|---------------|---------------|---|
| 1582  | 1480      | Oxygen/Ozone System Equipment for the Robert A. Skinner Water Treatment Plant Oxidation Retrofit Program  | Ozonia North America          | \$ 8,409,000         | \$ -                | \$ 5,431,610         | 6/22/04       | 11/30/08      | Payments on this contract are made quarterly                              |
| 1584  | 1494      | Butterfly Valves for the San Diego Pipeline No. 6 North Reach Project   | Sojitz Corporation of America | \$ 796,045           | \$ -                | \$ 792,354           | 7/19/04       | 12/13/05      | Operation & testing in progress before final payment                      |
| 1601  | 1519      | Fabricated Steel Pipe and Fittings for the Robert A. Skinner Water Treatment Plant Oxidation Retrofit Program and Washwater Reclamation Plant No. 3 | Ameron International          | \$ 8,545,000         | \$ 663,632          | \$ 5,300,029         | 3/22/05       | 03/22/06      | Pipe is continuously fabricated and delivered. Estimated completion 9/06. |
| 1622  | 1515A     | Oxygen/Ozone System Equipment for the Robert B. Diemer and F. E. Weymouth Water Treatment Plants Oxidation Retrofit Program                         | Ozonia North America          | \$ 15,322,800        | \$ -                | \$ -                 | 2/2/06        | 11/07/08      | Payments on this contract are made quarterly                              |
| 1624  | 1552      | Butterfly Valves for the Second Lower Cross Feeder, Rialto Pipeline, and the Perris Valley Pipeline   | Hughes Water & Sewer Ltd.     | \$ 2,708,964         | \$ -                | \$ -                 | 2/21/06       | 07/03/07      |   |
| <b>Total Value of Procurement Contracts in Progress</b> |           |   |                               | <b>\$ 35,781,809</b> | <b>\$ 663,632</b>   | <b>\$ 11,523,993</b> |               |               |   |


|  |  |
|--|--|
| <p>Contract No. 1542<br/>Specifications No. 1437<br/>Contractor: J. F. Shea / Kenny</p>  | <p><b>Inland Feeder Program<br/>Arrowhead Tunnels Project</b></p>                    |
| <p><b>Scope of Work:</b><br/>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.</p>  |    |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>62%</b><br/>Percent Extra Work <b>11%</b><br/>Estimated Completion Date <b>November 2008 *</b></p>  |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$242,250,000</b><br/>Earnings To Date <b>\$167,846,979</b><br/>Net Extra Work To Date <b>\$27,283,402</b><br/>Earnings This Month <b>\$2,399,591</b><br/>Net Extra Work This Month <b>\$300</b><br/>Contract Start <b>8/2/02</b><br/>Duration in Working Days <b>1050</b><br/>Contract Completion <b>7/11/07 *</b></p>                             | <p>Drilling probe holes in Arrowhead West Tunnel</p>                                 |
| <p>Contract No. 1569<br/>Specifications No. 1466<br/>Contractor: Kiewit Pacific Co.</p>  | <p><b>OC-88 Energy Savings Modifications</b></p>                                     |
| <p><b>Scope of Work:</b><br/>The work consists of furnishing and installing the following: 2 spherical surge tanks, 8 surge anticipation valves, 1 plant flow meter, 3 new pumps, motors, and variable frequency drives. Additional work consists of modifying the following existing items: a forebay, chlorine room, discharge line, sodium hypochlorite feed system, and 4 pumps.</p> |  |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>96%</b><br/>Percent Extra Work <b>8%</b><br/>Estimated Completion Date <b>August 2006</b></p>   |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$9,095,000</b><br/>Earnings To Date <b>\$9,448,177</b><br/>Net Extra Work To Date <b>\$710,066</b><br/>Earnings This Month <b>\$0</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>8/13/03</b><br/>Duration in Working Days <b>540</b><br/>Contract Completion <b>11/3/05 **</b></p>   | <p>Completed spherical surge tanks</p>   |

\* Contract completion to be revised based on tunneling progress and negotiations with the contractor.

\*\* Contract accepted as substantially complete as of November 3, 2005. Punch list work remains.





|   |                     |  |
|---|---------------------|--|
| Contract No.  | 1588                | <b>Diemer Water Treatment Plant<br/>Settling Basin No. 8 Spillway Conduit</b>      |
| Specifications No.  | 1468                |  |
| Contractor:   | Kiewit Pacific Co.  |  |
| <b>Scope:</b><br>The work consists of constructing an 84-inch diameter fabricated steel spillway conduit, an overflow structure, an energy dissipater, and associated work. |                     |  |
| <b>At a Glance:</b>   |                     |  |
| Estimated Percent Complete  | <b>99%</b>          |  |
| Percent Extra Work  | <b>5%</b>           |  |
| Estimated Completion Date   | <b>January 2007</b> |  |
| <b>Details:</b>   |                     |  |
| Bid Amount  | <b>\$3,726,000</b>  |  |
| Earnings To Date  | <b>\$3,850,691</b>  |  |
| Net Extra Work To Date  | <b>\$175,091</b>    |  |
| Earnings This Month   | <b>\$4,800</b>      |  |
| Net Extra Work This Month   | <b>\$0</b>          |  |
| Contract Start  | <b>10/27/04</b>     | Flags and cones mark boundary of landscape maintenance limits                      |
| Duration in Working Days  | <b>536</b>          |  |
| Contract Completion   | <b>1/15/07 *</b>    |  |


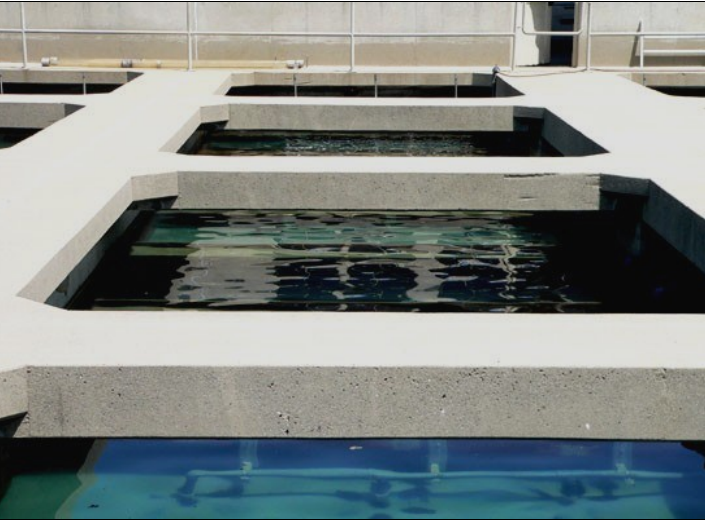
|   |  |  |
|---|--|--|
| Contract No.  | 1589                                     | <b>Weymouth Water Treatment Plant<br/>Solids Handling Facilities</b>                 |
| Specifications No.  | 1492                                     |  |
| Contractor:   | Brutoco Engineering & Construction, Inc. |  |
| <b>Scope:</b><br>The work consists of upgrading an existing sludge pump station; constructing two gravity thickeners, a new solids dewatering facility building to house three new filter belt presses, a truck loading facility, four solids storage hoppers, and associated work. |  |  |
| <b>At a Glance:</b>   |  |  |
| Estimated Percent Complete  | <b>99%</b>                               |  |
| Percent Extra Work  | <b>1%</b>                                |  |
| Estimated Completion Date   | <b>October 2006</b>                      |  |
| <b>Details:</b>   |  |  |
| Bid Amount  | <b>\$14,090,000</b>                      |  |
| Earnings To Date  | <b>\$14,261,454</b>                      |  |
| Net Extra Work To Date  | <b>\$180,484</b>                         |  |
| Earnings This Month   | <b>\$70,073</b>                          |  |
| Net Extra Work This Month   | <b>\$58,937</b>                          |  |
| Contract Start  | <b>10/20/04</b>                          | Belt filter press in operation   |
| Duration in Working Days  | <b>280</b>                               |  |
| Contract Completion   | <b>3/30/2006 **</b>                      |  |

\* All construction work accepted April 25, 2006. Landscape maintenance will continue through January 2007.


\*\* Time extension pending.


|  |                     |  |
|--|---------------------|--|
| Contract No.   | 1593                | <b>Skinner Water Treatment Plant<br/>Expansion No. 4 Module No. 7</b>              |
| Specifications No.   | 1489                |  |
| Contractor: J. R. Filanc Construction Company, Inc.  |                     |  |
| <b>Scope:</b><br>The work consists of construction of a water treatment module, new utilities, a new pumping station, a new electrical switchgear facility, and associated work. |                     |  |
| <b>At a Glance:</b>  |                     |  |
| Estimated Percent Complete   | <b>86%</b>          |  |
| Percent Extra Work   | <b>5%</b>           |  |
| Estimated Completion Date  | <b>March 2007</b>   |  |
| <b>Details:</b>  |                     |  |
| Bid Amount   | <b>\$76,383,645</b> | Installation of forming and rebar for filter rejection line in progress            |
| Earnings To Date   | <b>\$68,890,844</b> |  |
| Net Extra Work To Date   | <b>\$4,093,754</b>  |  |
| Earnings This Month  | <b>\$2,826,552</b>  |  |
| Net Extra Work This Month  | <b>\$127,608</b>    |  |
| Contract Start   | <b>1/5/05</b>       |  |
| Duration in Working Days   | <b>527</b>          |  |
| Contract Completion  | <b>3/19/07</b>      |  |

|  |                      |  |
|--|----------------------|--|
| Contract No.   | 1598                 | <b>San Diego Pipeline No. 6<br/>North Reach</b>                                      |
| Specifications No.   | 1479                 |  |
| Contractor: J. F. Shea Construction, Inc.  |                      |  |
| <b>Scope:</b><br>The work consists of the construction of approximately seven miles of fabricated steel pipeline, constructing facility connections, installing butterfly valves, and associated work. |                      |  |
| <b>At a Glance:</b>  |                      |  |
| Estimated Percent Complete   | <b>95%</b>           |  |
| Percent Extra Work   | <b>1%</b>            |  |
| Estimated Completion Date  | <b>February 2007</b> |  |
| <b>Details:</b>  |                      |  |
| Bid Amount   | <b>\$65,806,000</b>  | Installation of blowoff piping in progress   |
| Earnings To Date   | <b>\$62,965,231</b>  |  |
| Net Extra Work To Date   | <b>\$578,812</b>     |  |
| Earnings This Month  | <b>\$2,507,933</b>   |  |
| Net Extra Work This Month  | <b>\$447,954</b>     |  |
| Contract Start   | <b>1/24/05</b>       |  |
| Duration in Working Days   | <b>500</b>           |  |
| Contract Completion  | <b>1/20/07</b>       |  |


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|--|--|
| <p>Contract No. 1599<br/>Specifications No. 1496<br/>Contractor: Mladen Buntich Construction Co.</p>   | <p><b>Diemer Water Treatment Plant<br/>Yorba Linda Feeder Bypass</b></p>                               |
| <p><b>Scope:</b><br/>The work consists of installing approximately 1,580 linear feet of pipeline, including excavation and construction of a tunnel, vertical shaft, and associated work.</p>  |                      |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>99%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>September 2006</b></p>  |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$5,915,000</b><br/>Earnings To Date <b>\$5,913,744</b><br/>Net Extra Work To Date <b>\$26,294</b><br/>Earnings This Month <b>\$0</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>2/16/05</b><br/>Duration in Working Days <b>280</b><br/>Contract Completion <b>6/22/06 *</b></p>       | <p>Asphalt paving adjacent to warehouse in progress</p>  |
| <p>Contract No. 1603<br/>Specifications No. 1506A<br/>Contractor: Brutoco Engineering &amp; Construction, Inc.</p>   | <p><b>Weymouth Water Treatment Plant<br/>Replace Surface Wash Headers in Filter Building No. 1</b></p> |
| <p><b>Scope:</b><br/>The work consists of replacement of the existing filter surface wash system in each of the 24 filters in Filter Building No. 1, and associated work.</p>  |                    |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>100%</b><br/>Percent Extra Work <b>4%</b><br/>Estimated Completion Date <b>July 2006</b></p>  |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$3,136,400</b><br/>Earnings To Date <b>\$3,133,393</b><br/>Net Extra Work To Date <b>\$125,000</b><br/>Earnings This Month <b>\$0</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>5/19/05</b><br/>Duration in Working Days <b>330</b><br/>Actual Contract Completion <b>7/24/06</b></p> | <p>Finished filter bed in normal operation</p>   |


\* Contract substantially complete as of June 22, 2006. Punch list work remains.

|   |  |
|---|--|
| Contract No. 1605   | <b>Diemer Water Treatment Plant<br/>Administration Building Reroofing</b>          |
| Specifications No. 1513A  |  |
| Contractor: Best Roofing & Waterproofing, Inc.  |  |
| <b>Scope:</b><br>The work consists of replacement of existing roofing with new materials. |  |
| <b>At a Glance:</b>   |  |
| Estimated Percent Complete <b>99%</b>   |  |
| Percent Extra Work <b>0%</b>  |  |
| Estimated Completion Date <b>August 2006</b>  |  |
| <b>Details:</b>   |  |
| Bid Amount <b>\$161,094</b>   |  |
| Earnings To Date <b>\$161,094</b>   |  |
| Net Extra Work To Date <b>\$0</b>   |  |
| Earnings This Month <b>\$0</b>  |  |
| Net Extra Work This Month <b>\$0</b>  |  |
| Contract Start <b>5/19/05</b>   | Finished roof  |
| Duration in Working Days <b>90</b>  |  |
| Contract Completion <b>12/10/05 *</b>   |  |



|   |   |
|---|---|
| Contract No. 1607   | <b>Diemer Water Treatment Plant Entrance Relocation,<br/>Vehicle Maintenance Center, and Solids Handling Facilities</b> |
| Specifications No. 1504   |   |
| Contractor: Brutoco Engineering & Construction, Inc.  |   |
| <b>Scope:</b><br>The work consists of construction of gravity thickeners; a solids dewatering facility building; a truck loading facility; elevated solids storage hoppers; a pump station; vehicle maintenance building; and entrance gate facilities. |                                     |
| <b>At a Glance:</b>   |   |
| Estimated Percent Complete <b>64%</b>   |   |
| Percent Extra Work <b>0%</b>  |   |
| Estimated Completion Date <b>November 2006</b>  |   |
| <b>Details:</b>   |   |
| Bid Amount <b>\$29,260,000</b>  |   |
| Earnings To Date <b>\$18,783,255</b>  |   |
| Net Extra Work To Date <b>\$91,015</b>  |   |
| Earnings This Month <b>\$2,079,605</b>  |   |
| Net Extra Work This Month <b>\$0</b>  |   |
| Contract Start <b>6/13/05</b>   | Construction of new sludge thickeners in background   |
| Duration in Working Days <b>350</b>   |   |
| Contract Completion <b>11/16/06</b>   |   |

\* Contract accepted as substantially complete as of December 10, 2005. Punch list work remains.



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|---|---|
| Contract No. 1609   | <b>Skinner Water Treatment Plant Oxidation Retrofit Program<br/>and Washwater Reclamation Plant No. 3</b> |
| Specifications No. 1483   |   |
| Contractor: Shimmick Construction/Obayashi Corp. JV   |   |
| <b>Scope:</b><br>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. |                         |
| <b>At a Glance:</b>   |   |
| Estimated Percent Complete 27%  |   |
| Percent Extra Work 0%   |   |
| Estimated Completion Date January 2009  |   |
| <b>Details:</b>   |   |
| Bid Amount \$184,650,000  |   |
| Earnings To Date \$50,209,911   |   |
| Net Extra Work To Date \$484,631  |   |
| Earnings This Month \$4,161,110   |   |
| Net Extra Work This Month \$51,882  |   |
| Contract Start 7/28/05  | Valve and injection vaults for WWRP No. 3   |
| Duration in Working Days 865  |   |
| Contract Completion 1/8/09  |   |



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|--|--|
| Contract No. 1610  | <b>Weymouth Water Treatment Plant<br/>Finished Water Reservoir Roof Recoating</b>    |
| Specifications No. 1501  |  |
| Contractor: CentiMark Corporation  |  |
| <b>Scope:</b><br>The work consists of removal and replacement of existing roof coating system. |  |
| <b>At a Glance:</b>  |  |
| Estimated Percent Complete 99%   |  |
| Percent Extra Work 0%  |  |
| Estimated Completion Date August 2006  |  |
| <b>Details:</b>  |  |
| Bid Amount \$1,440,000   |  |
| Earnings To Date \$1,523,140   |  |
| Net Extra Work To Date \$0   |  |
| Earnings This Month \$142,860  |  |
| Net Extra Work This Month \$0  |  |
| Contract Start 7/27/05   | Application of upper coating material  |
| Duration in Working Days 90  |  |
| Contract Completion 12/25/05 *   |  |

\* Time extension pending.



|  |   |
|--|---|
| <p>Contract No. 1611<br/>Specifications No. 1503A<br/>Contractor: Sabah International, Inc.</p>  | <p><b>Fire Protection for Remote Communication Sites</b></p>                            |
| <p><b>Scope:</b><br/>The work consists of installing gas fire suppression systems, smoke detectors, high temperature detectors, and water leak detectors with digital output signals at nine microwave sites operated by Metropolitan.</p>   |       |
| <p><b>At a Glance:</b></p> <p>Estimated Percent Complete <b>91%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>September 2006</b></p>   |   |
| <p><b>Details:</b></p> <p>Bid Amount <b>\$231,348</b><br/>Earnings To Date <b>\$211,676</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$0</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>9/13/05</b><br/>Duration in Working Days <b>200</b><br/>Contract Completion <b>6/27/06 *</b></p>         | <p>Sealing the inside of a remote communication building</p>                            |
|  |   |
| <p>Contract No. 1612<br/>Specifications No. 1528<br/>Contractor: Norman A. Olsson Construction, Inc.</p>   | <p><b>Diemer Water Treatment Plant<br/>Rehabilitate Filter Surface Wash Headers</b></p> |
| <p><b>Scope:</b><br/>The work consists of replacement of filter surface wash main piping with stainless steel piping; removal, refurbishment, and reinstallation of existing filter surface wash headers and valves; and seismic upgrading of all pipe supports.</p>   |     |
| <p><b>At a Glance:</b></p> <p>Estimated Percent Complete <b>66%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>September 2007</b></p>   |   |
| <p><b>Details:</b></p> <p>Bid Amount <b>\$1,849,331</b><br/>Earnings To Date <b>\$1,223,831</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$36,986</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>10/12/05</b><br/>Duration in Working Days <b>479</b><br/>Contract Completion <b>9/25/07</b></p> | <p>New fabricated header tees</p>   |

\* Time extension pending.



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|--|--|---|
| <p>Contract No. 1613<br/>Specifications No. 1533<br/>Contractor: DenBoer Engineering &amp; Construction, Inc.</p>  | <p><b>Diemer Water Treatment Plant<br/>Washwater Tank Pumps Replacement</b></p>      |   |
| <p><b>Scope:</b><br/>The work consists of the replacement of existing pumps, motors, check valves, pressure indicators, and reduced voltage motor starters.</p>  |    |   |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>36%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>August 2006</b></p>   |  |   |
| <p><b>Details:</b><br/>Bid Amount <b>\$355,000</b><br/>Earnings To Date <b>\$126,500</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$8,000</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>11/9/05</b><br/>Duration in Working Days <b>200</b><br/>Contract Completion <b>8/25/06</b></p>            |  |   |
| <p>Installation of variable frequency drive unit</p>   |  |   |
|  |  |   |
| <p>Contract No. 1614<br/>Specifications No. 1505<br/>Contractor: Brutoco Engineering &amp; Construction, Inc.</p>  |  | <p><b>Diemer Water Treatment Plant<br/>Plant Maintenance Facilities</b></p> |
| <p><b>Scope:</b><br/>The work consists of the construction of a new maintenance building, installation of an electrical substation/transformer, and associated work.</p>   |  |   |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>51%</b><br/>Percent Extra Work <b>1%</b><br/>Estimated Completion Date <b>March 2007</b></p>  |  |   |
| <p><b>Details:</b><br/>Bid Amount <b>\$8,219,000</b><br/>Earnings To Date <b>\$4,239,351</b><br/>Net Extra Work To Date <b>\$100,000</b><br/>Earnings This Month <b>\$475,560</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>11/9/05</b><br/>Duration in Working Days <b>260</b><br/>Contract Completion <b>3/8/07</b></p> |  |   |
| <p>Construction of maintenance building in progress</p>  |  |   |



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| <p>Contract No. 1616<br/>Specifications No. 1498<br/>Contractor: Kiewit Pacific Co.</p>   | <p><b>Skinner Water Treatment Plant<br/>Expansion No. 4 Chemical Systems Modifications</b></p>         |
| <p><b>Scope:</b><br/>The work consists of the construction of a chlorine containment and handling facility, water quality monitoring vaults, chemical tank farms, pipe galleries, and new utilities; installation of plant compressed air systems and associated work.</p>  |                      |
| <p><b>At a Glance:</b></p> <p>Estimated Percent Complete <b>35%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>June 2007</b></p>   |  |
| <p><b>Details:</b></p> <p>Bid Amount <b>\$109,944,000</b><br/>Earnings To Date <b>\$38,191,777</b><br/>Net Extra Work To Date <b>\$294,958</b><br/>Earnings This Month <b>\$7,580,539</b><br/>Net Extra Work This Month <b>\$221,690</b><br/>Contract Start <b>11/28/05</b><br/>Duration in Working Days <b>380</b><br/>Contract Completion <b>6/5/07</b></p> | <p>Skinner chlorine storage facility</p>   |
|   |  |
| <p>Contract No. 1619<br/>Specifications No. 1400<br/>Contractor: Mega Way Enterprises</p>   | <p><b>Mills Water Treatment Plant Main Entrance Road<br/>Realignment and Perimeter Landscaping</b></p> |
| <p><b>Scope:</b><br/>The work consists of constructing a new entrance road, a guard station, new fencing, and landscaping.</p>  |                    |
| <p><b>At a Glance:</b></p> <p>Estimated Percent Complete <b>15%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>July 2007</b></p>   |  |
| <p><b>Details:</b></p> <p>Bid Amount <b>\$3,295,000</b><br/>Earnings To Date <b>\$500,000</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$120,000</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>1/25/06</b><br/>Duration in Working Days <b>365</b><br/>Contract Completion <b>7/2/07</b></p>                     | <p>Installation of irrigation piping</p>   |






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| <p>Contract No. 1620<br/>Specifications No. 1495<br/>Contractor: Brutoco Engineering &amp; Construction, Inc.</p>   | <p><b>Diemer Water Treatment Plant<br/>Chemical System Upgrades</b></p>              |
| <p><b>Scope:</b><br/>The work consists of demolition of existing wastewater reclamation facility; construction of sulfuric acid feed and storage system and three other chemical storage tanks; and installation of chemical trenches and chemical lines.</p>   |    |
| <p><b>At a Glance:</b></p> <p>Estimated Percent Complete <b>40%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>January 2007</b></p>  |  |
| <p><b>Details:</b></p> <p>Bid Amount <b>\$13,960,000</b><br/>Earnings To Date <b>\$5,644,415</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$1,461,125</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>1/13/06</b><br/>Duration in Working Days <b>270</b><br/>Contract Completion <b>1/24/07</b></p> | <p>Sulfuric acid tanks at new chemical tank farm</p>                                 |
|   |  |
| <p>Contract No. 1623<br/>Specifications No. 1540<br/>Contractor: Fibrwrap Construction, Inc.</p>  | <p><b>Foothill Feeder Carbon Fiber Liner Repairs</b></p>                             |
| <p><b>Scope:</b><br/>The work consists of installing layers of carbon-fiber reinforcing liner to the interior surface of the Foothill Feeder at two locations.</p>  |  |
| <p><b>At a Glance:</b></p> <p>Estimated Percent Complete <b>9%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>January 2007 *</b></p>   |  |
| <p><b>Details:</b></p> <p>Bid Amount <b>\$1,250,000</b><br/>Earnings To Date <b>\$116,541</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$0</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>1/30/06</b><br/>Duration in Working Days <b>80</b><br/>Contract Completion <b>5/19/06 *</b></p>           | <p>An example of carbon-fiber reinforcing liner</p>                                  |


\* Time extension pending. Project deferred until the 2006/2007 shutdown period.

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| <p>Contract No. 1625<br/>Specifications No. 1527<br/>Contractor: Excel Elevator Services, Inc.</p>   | <p><b>Jensen Water Treatment Plant<br/>Elevator Rehabilitation</b></p>                                   |
| <p><b>Scope:</b><br/>The work consists of complete modernization and rehabilitation of the elevator at the Jensen Administration Building.</p>   |                        |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete 0%<br/>Percent Extra Work 0%<br/>Estimated Completion Date <b>November 2006</b></p>  |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$98,500</b><br/>Earnings To Date <b>\$0</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$0</b><br/>Net Extra Work This Month <b>\$0</b><br/>Estimated Contract Start <b>5/8/06</b><br/>Duration in Working Days <b>110</b><br/>Estimated Contract Completion <b>11/10/06</b></p> | <p>Existing motor to be replaced</p>   |
|  |  |
| <p>Contract No. 1626<br/>Specifications No. 1553<br/>Contractor: Sunrise Landscape Co., Inc.</p>   | <p><b>Diamond Valley Lake East Recreation Area<br/>Landscaping and Signage Improvements, Phase 1</b></p> |
| <p><b>Scope:</b><br/>The work consists of landscape and signage improvements in the Diamond Valley Lake East Recreation Area.</p>  |                      |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>95%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>October 2006</b></p>  |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$1,963,700</b><br/>Earnings To Date <b>\$1,861,226</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$206,306</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>3/9/06</b><br/>Duration in Working Days <b>140</b><br/>Contract Completion <b>10/05/06</b></p>    | <p>Installation of pavers at entrance to Searl Parkway</p>   |

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| <p>Contract No. 1627<br/>Specifications No. 1531<br/>Contractor: Griffith Company</p>  | <p><b>Diamond Valley Lake East Recreation Area<br/>Searl Parkway Improvements, Phase 2</b></p> |
| <p><b>Scope:</b><br/>The work consists of grading and construction of a new roadway, drainage channel, and associated utilities.</p>   |              |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>33%</b><br/>Percent Extra Work <b>0%</b><br/>Completion Date <b>January 2007</b></p>  |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$6,242,068</b><br/>Earnings To Date <b>\$2,050,392</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$988,532</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>3/27/06</b><br/>Duration in Working Days <b>180</b><br/>Contract Completion <b>1/9/07</b></p> | <p>Excavation for storm drain lines</p>  |
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| <p>Contract No. 1628<br/>Specifications No. 1517<br/>Contractor: J. R. Filanc Construction Co., Inc.</p>   | <p><b>Mills Water Treatment Plant Chemical System Upgrades</b></p>                             |
| <p><b>Scope:</b><br/>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.</p>  |            |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>3%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>October 2007</b></p>   |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$19,914,600</b><br/>Earnings To Date <b>\$559,431</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$108,629</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>5/2/06</b><br/>Duration in Working Days <b>360</b><br/>Contract Completion <b>10/4/07</b></p>  | <p>Concrete placement for chlorine containment sump</p>  |

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| <p>Contract No. 1630<br/>Specifications No. 1522<br/>Contractor: C. J. Tech Construction Inc.</p>  | <p><b>Magazine Canyon Canopy</b></p>   |
| <p><b>Scope:</b><br/>The work consists of construction of a new metal canopy; removing existing protruding reinforcing steel bars and installing new guardrail.</p>  |          |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>27%</b><br/>Percent Extra Work <b>0%</b><br/>Estimated Completion Date <b>August 2006</b></p>   |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$144,000</b><br/>Earnings To Date <b>\$39,500</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$0</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>5/8/06</b><br/>Duration in Working Days <b>80</b><br/>Contract Completion <b>8/29/06</b></p>                 | <p>Removal of shaft rebar</p>  |
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| <p>Contract No. 1631<br/>Specifications No. 1535<br/>Contractor: Kiewit Pacific Co.</p>  | <p><b>Diemer Water Treatment Plant Site Preparation for Oxidation Retrofit Program</b></p> |
| <p><b>Scope:</b><br/>The work consists of demolition of shop building, underground fuel tanks, and steel pipelines; installation of more than 3,000 feet of steel pipe, motor control center, remote transmitting unit, LPG tank and vaporizer, subdrain systems, and associated work.</p>   |        |
| <p><b>At a Glance:</b><br/>Estimated Percent Complete <b>4%</b><br/>Percent Extra Work <b>0%</b><br/>Completion Date <b>February 2008</b></p>  |  |
| <p><b>Details:</b><br/>Bid Amount <b>\$70,516,455</b><br/>Earnings To Date <b>\$2,610,600</b><br/>Net Extra Work To Date <b>\$0</b><br/>Earnings This Month <b>\$1,080,600</b><br/>Net Extra Work This Month <b>\$0</b><br/>Contract Start <b>5/15/06</b><br/>Duration in Working Days <b>445</b><br/>Contract Completion <b>2/19/08</b></p> | <p>Preparation for electrical duckbank installation</p>                                    |

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| Contract No. 1632   | <p align="center"><b>Weymouth Water Treatment Plant<br/>Chemical System Upgrades</b></p>  <p align="center">Site of fluoride facility</p> |
| Specifications No. 1518A  |   |
| Contractor: Brutoco Engineering and Construction, Inc.  |   |
| <b>Scope:</b><br>The work consists of construction of fluorosilicic acid unloading, storage and injection facilities, steel roof canopies, and associated work. |   |
| <b>At a Glance:</b>   |   |
| Estimated Percent Complete 4%   |   |
| Percent Extra Work 0%   |   |
| Estimated Completion Date <b>November 2007</b>  |   |
| <b>Details:</b>   |   |
| Bid Amount <b>\$3,985,000</b>   |   |
| Earnings To Date <b>\$171,250</b>   |   |
| Net Extra Work To Date <b>\$0</b>   |   |
| Earnings This Month <b>\$81,250</b>   |   |
| Net Extra Work This Month <b>\$0</b>  |   |
| Contract Start <b>6/19/06</b>   |   |
| Duration in Working Days <b>360</b>   |   |
| Contract Completion <b>11/19/07</b>   |   |

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| Contract No. 1633  | <p align="center"><b>Joseph Jensen Water Treatment Plant Chlorine Containment and<br/>Fluoride Project</b></p>  <p align="center">Existing chlorine unloading facility at Jensen to be replaced</p> |
| Specifications No. 1516A   |   |
| Contractor: Brutoco Engineering and Construction, Inc.   |   |
| <b>Scope:</b><br>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. |   |
| <b>At a Glance:</b>  |   |
| Estimated Percent Complete 0%  |   |
| Percent Extra Work 0%  |   |
| Estimated Completion Date <b>June 2008</b>   |   |
| <b>Details:</b>  |   |
| Bid Amount <b>\$19,988,000</b>   |   |
| Earnings To Date <b>\$0</b>  |   |
| Net Extra Work To Date <b>\$0</b>  |   |
| Earnings This Month <b>\$0</b>   |   |
| Net Extra Work This Month <b>\$0</b>   |   |
| Estimated Contract Start <b>8/29/06</b>  |   |
| Duration in Working Days <b>460</b>  |   |
| Estimated Contract Completion <b>6/24/08</b>   |   |