

- **Board of Directors**  
**Engineering and Operations Committee**

May 10, 2005 Board Meeting

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8-3

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**Subject**

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Appropriate \$38.53 million; award a \$29.26 million contract to Brutoco Engineering and Construction, Inc. for construction of the Diemer Solids Handling Facilities and Vehicle Maintenance Center; and authorize a new consulting agreement and amendments to existing agreements (Approps. 15363, 15389, and 15227)

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**Description**

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The Robert B. Diemer Water Treatment Plant has several capital programs under way which will provide improvements in treated water quality, address reliability concerns, and provide flexibility in treating varying blends of State project water (SPW) and Colorado River water (CRW). Three such projects have recently completed final design. Staff has combined these three projects into one construction contract to increase efficiency in light of their overlapping construction schedules and relative proximity to one another.

**Diemer Solids Handling Facilities – Construction (\$30.59 million)**

Due to reductions in Metropolitan's allocation of CRW, the Diemer plant has in recent years treated a higher percentage of SPW. Higher percentages of SPW necessitate the use of higher coagulant dosages, which produce increased amounts of residual solids. This increased solids production is currently being mechanically processed with temporary (leased) equipment.

Permanent solids handling facilities are required to reliably treat higher percentages of SPW on a long-term basis, while complying with water quality regulations and existing permit conditions. The new permanent solids handling facilities will include two additional thickeners, three belt presses, a polymer feed and storage system, and four solids hoppers. The belt presses and polymer feed system will be housed in a new dewatering building located west of the existing thickeners. Final design of the permanent solids handling facilities was authorized by Metropolitan's Board in July 2003.

**Diemer Vehicle Maintenance Center – Construction (\$7.94 million)**

The existing Vehicle Maintenance Center (VMC) at the Diemer plant provides for maintenance of Metropolitan vehicles associated with operation of the Diemer plant and conveyance and distribution facilities. The building is presently located on the southwest corner of the plant's main level, an area that will be used for future ozone contactors. The VMC must be relocated at this time so that the ozone contactors can be constructed under the Diemer Oxidation Retrofit Program. The current project will construct the VMC on a pad at the plant's northwest hill, immediately adjacent to the new Solids Handling Facilities. The VMC will include three repair bays, a refueling station, and a vehicle washing area. Final design of the relocated VMC was authorized by Metropolitan's Board in December 2003.

**Diemer Entrance Enhancements – Construction (No Funds Required)**

The existing security guard enclosure at the Diemer plant is set back from the property line by approximately 1,000 feet and does not have direct line of sight to the recently relocated Diemer plant entrance. This project will construct a new security guard enclosure, install an automated entrance gate, and provide enhanced security features (cameras and lighting) at the relocated entrance to the Diemer plant.

In February 2001, the Board appropriated \$775,000 and authorized final design and construction of the new entrance facilities. No additional funds are required to complete this work.

**Contract Award**

On March 24, 2005, one bid was received and opened under Specifications No. 1504 for the Diemer Solids Handling Facilities, VMC, and Entrance Enhancements. The bid from Brutoco Engineering and Construction, Inc., in the amount of \$29.26 million, complies with the requirements of the specifications. The engineer's estimate was \$25.8 million. For this project, Metropolitan requires Small Business Enterprise participation of at least 25 percent of the total construction bid. Brutoco Engineering and Construction, Inc. has committed to meet this requirement.

The project was advertised in December 2004 with bids initially due in January 2005. Staff extended the initial bid opening date by four weeks to February 2005 when a potential prime contractor requested a time extension and only one bid was anticipated. When staff again learned that only one prime contractor was interested in bidding in February 2005, the bid opening date was extended by another five weeks to March 2005 and the Small Business Enterprise participation was reduced from 35 percent to 25 percent. During this bidding period, staff held three pre-bid conferences that were attended by eight potential prime contractors. In addition, staff made dozens of calls to prime contractors to generate interest in the project. Staff learned that contractors were busy preparing other competing bids around Southern California and were selective with work choice due to limited key resources.

Staff recommends that the Board award the contract to Brutoco Engineering and Construction, Inc. to construct the Diemer Solids Handling Facilities, VMC, and Entrance Enhancements for the following reasons: (1) The plant would otherwise need to extend usage of the existing leased belt press at a monthly cost of approximately \$60,000, and which would overextend the temporary use agreement with Chino Hills State Park to use their access road to reach the existing leased belt presses, and would continue to extend the risk of disrupting plant operations due to failure of the leased belt press; (2) A delay in demolition of the existing VMC would impact the schedule of the Diemer Oxidation Retrofit Program; (3) The impact on bid prices of rejecting the sole bid and re-advertising the project is difficult to predict, given the current bidding climate in Southern California; and (4) Brutoco Engineering and Construction, Inc. has proven to be reliable as shown by the recent successful completion of the Weymouth Chlorine Containment Project and on-going construction of the Weymouth Solids Handling Facilities Project. Brutoco Engineering and Construction's bid is within 11 percent of the engineer's estimate.

This action awards a \$29.26 million contract to Brutoco Engineering and Construction, Inc. to construct the Diemer Solids Handling Facilities, Vehicle Maintenance Center, and Entrance Enhancements, and authorizes construction inspection and support for this project. Metropolitan staff will perform construction management, inspection, and install related security, telecommunication, and SCADA systems for the new buildings; and two consulting firms will provide technical support during construction. For this contract, the anticipated cost of inspection and support is approximately 7.5 percent of the construction cost. The Engineering Services goal for inspection of projects with construction cost more than \$3 million is 9 to 12 percent.

**Consultant Agreement Amendments**

Two consultant agreement amendments are recommended to provide technical support during construction of these projects. Utilization of professional services consultants is consistent with the Corporate Resources Group's staffing plan incorporated within the fiscal year 2004/05 budget.

Black & Veatch Corporation was the design consultant for the Diemer Solids Handling Facilities. Black & Veatch was selected through a competitive process (RFQ 578) to perform this type of work and authority to enter into a professional services agreement was approved by Metropolitan's Board in May 2003. In July 2003, the Board authorized final design of the Diemer Solids Handling Facilities by Black & Veatch. This action authorizes an increase in agreement authority of \$0.95 million to Black & Veatch's existing professional services agreement, for a new not-to-exceed total of \$4.75 million, to provide technical support during construction of the Diemer Solids Handling Facilities. The fee for planned work is \$0.80 million; the remainder of agreement authority is intended to be held in reserve by staff.

RNL Design was the design consultant for the VMC and Diemer Entrance Enhancements. RNL Design was selected through a competitive process (RFP 555) to perform this type of work and authority to enter into a professional services agreement was delegated to the Chief Executive Officer by Metropolitan's Board in March 2002. In December 2003, Metropolitan's Board authorized final design of the Diemer VMC by RNL Design. This action authorizes an increase in agreement authority of \$0.25 million to RNL Design's existing professional services agreement, for a new not-to-exceed total of \$2.495 million to provide architectural and engineering support during construction of these projects. The fee for planned work is \$0.20 million; the remainder of agreement authority is intended to be held in reserve by staff.

Amendment of these agreements is consistent with their scopes of work, with the original intent of RFQ 578 and RFP 555, and with the planned approach for project implementation.

### **Environmental Services Agreement**

Metropolitan's Board previously adopted environmental documentation for various projects within the Diemer Improvements Program, the Diemer ORP, and other capital programs. Construction of several of these projects is now ongoing and construction of the remaining projects identified in the environmental documentation is expected to be completed in approximately 2013. The environmental documentation and various regulatory permits require the implementation, monitoring, and reporting of numerous mitigation measures over a period of eight years. Staff has identified the need to augment existing personnel with a consultant in order to execute the Diemer plant projects in accordance with their board-adopted schedules.

In February 2005, RFP 732 was issued for environmental services for these Diemer plant projects. The scope of the RFP included preparing additional California Environmental Quality Act (CEQA) documents, preparing and analyzing technical environmental reports, analyzing environmental resource issues, assisting in permit preparation and agency coordination, and preparing and implementing Mitigation Monitoring Plans. In response to RFP 732, 12 proposals were received. Based upon a competitive evaluation process, staff recommends entering into an agreement with Ecosystems Restoration Associates for Diemer plant environmental services.

This action authorizes an agreement with Ecosystems Restoration Associates in an amount not to exceed \$1.5 million to provide Diemer plant environmental services for a period up to eight years. No additional funds are required under this action. The environmental services for each project will be authorized at the time the project is approved by the Board and funding is appropriated.

These three projects have been evaluated and recommended by Metropolitan's Capital Investment Plan Evaluation Team and funds have been included in the fiscal year 2004/05 capital budget under the Diemer Solids Handling and Water Reclamation Program (Approp. 15363); the Diemer Oxidation Retrofit Program (Approp. 15389); and the Diemer Land Acquisition, Habitat Conservation Plan, and Site Grading Program (Approp. 15227).

See [Attachment 1](#) for the Detailed Report, [Attachment 2](#) for the Abstract of Bids, [Attachment 3](#) for the Financial Statement, and [Attachment 4](#) for the Location Map.

### **Policy**

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Metropolitan Water District Administrative Code Section 5108: Capital Project Appropriation  
Metropolitan Water District Administrative Code Section 8113: Construction Contract Award  
Metropolitan Water District Administrative Code Section 8117: Professional and Technical Consultants

### **California Environmental Quality Act (CEQA)**

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CEQA determination for Option #1:

The environmental effects from the design, construction, and operation of the Diemer Solids Handling Facility, Vehicle Maintenance Center, and Entrance Enhancements were evaluated in the Robert B. Diemer Filtration Plant Improvements Project Final EIR, which was certified by the Board on February 13, 2001. The Board also approved the Findings of Fact (findings), the Statement of Overriding Considerations (SOC), the Mitigation Monitoring and Reporting Program (MMRP), and the overall improvements project itself. Subsequently, staff

recommended major modifications to the approved Diemer Improvements Project that necessitated the preparation and processing of the Robert B. Diemer Filtration Plant Improvements Project Final Supplemental Environmental Impact Report (Final SEIR), which was certified by the Board on August 20, 2002. During that same meeting, the Board approved the amended findings, the amended SOC, and amended MMRP, along with the proposed project modifications. By 2004, in order to accommodate certain site preparation activities, staff had determined that minor changes were needed with regards to the construction techniques and schedule previously developed for the original improvements project. As a result, Addendum No. 2 to the Final EIR was prepared and processed. On March 9, 2004, the Board then certified this addendum and approved these minor technical changes to the original project, including the Diemer Solids Handling Facility, Vehicle Maintenance Center, and Entrance Enhancements. The current board actions would not result in any further changes to the original improvements project and its approved modifications. Hence, the previous environmental documentation taken by the Board in conjunction with the proposed actions fully complies with CEQA and the State CEQA Guidelines. Moreover, authorization to enter into an agreement with Ecosystems Restoration Associates would facilitate implementation of mitigation measures mandated by the EIR, SEIR, and Addendum No. 2 prepared for these projects. Therefore, no further CEQA documentation is necessary for the Board to act on the proposed actions.

The CEQA determination is: Determine that the proposed actions have been previously addressed in the certified 2001 Final EIR, 2002 Final SEIR, 2004 Addendum No. 2, along with the approved and amended documentation (i.e., findings, SOC, and MMRP to the Final EIR and Final SEIR), and that no further environmental analysis or documentation is required.

CEQA determination for Option #2:

None required

## **Board Options/Fiscal Impacts**

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### **Option #1**

Adopt the CEQA determination and

- a. Appropriate \$38.53 million in budgeted funds;
- b. Award a contract for \$29.26 million to Brutoco Engineering and Construction, Inc. to construct the Diemer Solids Handling Facilities, Vehicle Maintenance Center, and Entrance Enhancements;
- c. Authorize an increase of \$0.95 million to the agreement with Black & Veatch Corporation, for a new not-to-exceed total of \$4.75 million;
- d. Authorize an increase of \$0.25 million to the agreement with RNL Design, for a new not-to-exceed total of \$2.495 million; and
- e. Authorize an agreement with Ecosystems Restoration Associates in an amount not to exceed \$1.5 million for Diemer plant environmental services.

**Fiscal Impact:** \$38.53 million of budgeted funds under the following appropriations:

Approp. 15363 (Diemer Solids Handling and Water Reclamation Program) – \$30.59 million budgeted

Approp. 15389 (Diemer Oxidation Retrofit Program) – \$7.94 million budgeted

### **Option #2**

Do not award the construction contract and re-advertise the project in an attempt to obtain more favorable bids. Staff will (1) continue to use the existing leased belt press at a monthly cost of approximately \$60,000, incurring additional operating cost and overextending the temporary use agreement with the Chino Hills State Park to use their access road to the leased belt press, and (2) delay the planned demolition of the existing vehicle maintenance center in preparation for the Diemer Oxidation Retrofit Program south-facing slope stabilization work.

**Fiscal Impact:** None

**Staff Recommendation**

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Option #1

  
\_\_\_\_\_  
Roy L. Wolfe  
Manager, Corporate Resources

4/17/2005  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dennis B. Underwood  
CEO/General Manager

4/20/2005  
\_\_\_\_\_  
Date

**Attachment 1 – Detailed Report**

**Attachment 2 – Abstract of Bids**

**Attachment 3 – Financial Statements**

**Attachment 4 – Location Map**

BLA #2987

## **Detailed Report**

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The Robert B. Diemer Water Treatment Plant was placed into service in 1963 with an initial capacity of 200 million gallons per day (mgd). The plant was expanded in 1969 and now has a design capacity of 520 mgd. The plant delivers treated water to Orange County and to Metropolitan's Central Pool portion of the distribution system.

### **Diemer Solids Handling Facilities – Construction (\$30.59 million)**

#### ***Purpose/Background***

Due to reductions in Metropolitan's allocation of Colorado River water, the Diemer plant has in recent years treated a higher percentage of State project water (SPW). Higher percentages of SPW necessitate the use of higher coagulant dosages, which produce increased amount of residual solids. The increased solids production is currently being mechanically processed with temporary (leased) equipment, located at the plant lagoons, at an average monthly cost of \$60,000. In order to reach the lagoons for solids disposal, Metropolitan has negotiated a temporary use of an access road to the lagoons through Chino Hills State Park.

In May 2003, Metropolitan's Board authorized preliminary design of the Diemer Solids Handling Facilities and authorized a professional services agreement with Black & Veatch Corporation for water treatment process engineering services, including design of solids handling facilities. In July 2003, Metropolitan's Board appropriated funds and authorized final design of the Diemer Solids Handling Facilities. Addition of these facilities will allow Metropolitan to reliably treat higher percentages of SPW with permanent equipment while complying with water quality regulations.

#### ***Project Description***

The new permanent solids handling facilities will consist of two additional thickeners, three belt presses, a polymer feed system, four hoppers, and pumping, piping, electrical, and control systems necessary for a complete and reliable system. The belt presses and polymer feed system will be housed in a new dewatering building located west of the existing thickeners. Because the solids handling facilities will be adjacent to the newly developed residential area and visible from the city of Yorba Linda-owned Black Gold Golf Course to the south, the project site will be landscaped to be compatible with surrounding developed areas. The solids handling building is built on the upper pad of the northwest hill to minimize interference with the future Diemer Oxidation Retrofit Program (DORP) work.

### **Diemer Vehicle Maintenance Center – Construction (\$7.94 million)**

#### ***Purpose/Background***

The existing Diemer Vehicle Maintenance Center (VMC) provides for maintenance of Metropolitan vehicles associated with operation of the Diemer plant and Metropolitan's distribution system. The building is presently located on the southwest corner of the plant's main level. This location is required for construction of future ozone contactors. The VMC must be relocated at this time so that the ozone contactors can be constructed under the DORP. The current project will construct the VMC on the recently created pad at the plant's northwest hill, immediately adjacent to the new Solids Handling Facilities, with goal of minimizing interference with future ORP work.

In December 2003, Metropolitan's Board authorized final design of the VMC. The final design was prepared primarily by an architectural consultant, RNL Design.

***Project Description***

The new VMC will include three repair bays, a tire shop, a battery room, a chemical waste tanks area, a mezzanine, and associated offices. A covered refueling station and covered vehicle wash area will be adjacent to the VMC. These structures are designed to comply with all chemical storage and containment regulations. The VMC, fueling station, and vehicle wash area will serve all vehicles housed at the Diemer plant and other Metropolitan facilities in Orange County. The VMC will comply with city of Yorba Linda and Orange County Fire Authority ordinances and regulations.

**Diemer Entrance Enhancements – Construction (No Funds Required)*****Purpose/Background***

The existing location of the security guard enclosure at the Diemer plant is set back from the property line by approximately 1,000 feet. This location was suitable when the adjacent lands were unoccupied oil fields. Recently, these adjacent lands have been developed into a new residential community and the plant's entrance road has been relocated. The current project will move the plant entrance facilities to the new plant boundary. The new location for the entrance guard enclosure, immediately adjacent to the Diemer property line, will provide a suitable line-of-sight and place additional security between the plant boundary and the western portion of the plant.

In February 2001, Metropolitan's Board appropriated \$775,000 and authorized final design and construction of the Diemer Entrance Enhancements. No additional funds are required to complete this work. Final design was performed by RNL Design.

***Project Description***

Entrance enhancements at the relocated Diemer plant entrance will consist of a new guard enclosure, new entrance sign, an automated entrance gate, enhanced security features (cameras and lighting), and necessary utility relocations. The new entrance road will also be resurfaced and re-landscaped to match the adjacent city property.

**Specifications No. 1504 for the Diemer Solids Handling Facilities, Vehicle Maintenance Center, and Entrance Relocation Project*****Bid Results and Business Outreach***

As shown in Attachment 2, on March 24, 2005, one bid was received and opened under Specifications No. 1504 for the Diemer Solids Handling Facilities, VMC, and Entrance Relocation Project. Eight prime contractors attended the three pre-bid conferences, and significant efforts were undertaken by staff to attract more bidders. The initial bid opening date was extended by four weeks from January 2005 to February 2005 when a prime contractor requested a time extension, and only one bid was anticipated. The bid opening date was then extended by another five weeks to March 2005 and the Small Business Enterprise participation was lowered from 35 percent to 25 percent when staff again learned that only one bid would be submitted. In addition, staff made dozens of calls to generate interest in the project. Staff learned that many contractors were busy preparing other bids around Southern California and were selective with work choice due to limited key resources and nature of work.

Staff recommends that the Board award the contract to Brutoco Engineering and Construction Inc. to construct the Diemer Solids Handling Facilities, VMC, and Entrance Enhancements for the following reasons: (1) The plant would otherwise need to extend usage of the existing leased belt press at a monthly cost of approximately \$60,000, and which would overextend the temporary use agreement with Chino Hills State Park to use their access road to reach the existing leased belt presses, and would continue to extend the risk of disrupting plant operations due to failure of the leased belt press; (2) A delay in demolition of the existing VMC would impact the schedule of the Diemer Oxidation Retrofit Program (ORP); (3) The impact on bid prices of rejecting the sole bid and re-advertising the project is difficult to predict, given the current bidding climate in Southern California; and (4) Brutoco Engineering and Construction, Inc. has proven to be reliable as shown by the recent successful

completion of the Weymouth Chlorine Containment Project and ongoing construction of the Weymouth Solids Handling Facilities Project. Brutoco Engineering and Construction's bid is within 11 percent of the engineer's estimate.

### ***Cost Estimate***

Attachment 3 shows the total requested funding of \$38.53 million to complete this project. The construction phase funding will be apportioned between the Diemer Solids Handling and Water Reclamation Program (Approp. 15363) - \$30.57 million and the Diemer ORP (Approp. 15389) - \$7.94 million. The apportionment is based on the breakdown of work developed for preparation of the engineer's estimate. This apportionment will be refined after receipt of the contractor's breakdown of work for progress payments, which will be submitted to Metropolitan following contract award.

Metropolitan staff will install the security, telecommunication, and data acquisition systems, and will perform construction management and inspection for this project, while the design consultants, Black & Veatch Corporation and RNL Design, will provide follow-up technical support during construction.

### **Consultant Agreement Amendments**

Black & Veatch Corporation was the design consultant for the Diemer Solids Handling Facilities. Black & Veatch was selected through a competitive process (RFQ 578) to perform this type of work and authority to enter into a professional services agreement was approved by Metropolitan's Board in May 2003. In July 2003, Metropolitan's Board authorized final design of the Diemer Solids Handling Facilities by Black & Veatch. This action authorizes an increase of \$0.95 million in agreement authority to Black & Veatch's existing professional services agreement, for a new not-to-exceed total of \$4.75 million with a \$0.80 million fee to provide technical support during construction of the Diemer Solids Handling Facilities. The fee for planned work is \$0.80 million; the remainder of agreement authority is intended to be held in reserve by staff.

RNL Design was the design consultant for the Vehicle Maintenance Center and Diemer Entrance Enhancements. RNL Design was selected through a competitive process (RFP 555) to perform this type of work and authority to enter into a professional services agreement was delegated to the Chief Executive Officer by Metropolitan's Board in March 2002. In December 2003, Metropolitan's Board authorized final design of the Vehicle Maintenance Center at Diemer by RNL Design. This action authorizes an increase of \$0.25 million in agreement authority to RNL Design's existing professional services agreement, for a new not-to-exceed total of \$2.495 million to provide technical support during construction of these projects. The fee for planned work is \$0.20 million; the remainder of agreement authority is intended to be held in reserve by staff.

Amendment of these agreements is consistent with their scopes of work, with the original intent of RFQ 578 and RFP 555, and with the planned approach for project implementation.

### **Environmental Services Agreement**

Beginning in 1996, a comprehensive planning effort was undertaken to identify modifications and improvements necessary to ensure reliable Diemer plant operations and safety in the future. Metropolitan's Board previously certified the environmental documentation for these projects, which include several within the Diemer Improvements Program, the Diemer ORP, and other capital programs. Construction of several of these projects is now ongoing and construction of the remaining projects identified in the environmental documentation is expected to be completed in approximately 2013.

The environmental documentation and various regulatory permits require the implementation, monitoring, and reporting of numerous mitigation measures throughout the plant's construction projects. Staff has identified the need to augment existing personnel with a consultant in order to execute the Diemer plant projects in accordance with their board-adopted schedules.

In February 2005, RFP 732 was issued for environmental services for the Diemer plant projects. The scope of the RFP included preparing additional California Environmental Quality Act documents, preparing and analyzing technical environmental reports, analyzing environmental resource issues, assisting in permit preparation and agency coordination, and preparing and implementing Mitigation Monitoring Plans. In response to RFP 732, 12 proposals were received. Based upon a competitive evaluation process, Ecosystems Restoration Associates was deemed best qualified to provide these services to Metropolitan. Staff recommends entering into an agreement with Ecosystems Restoration Associates, in an amount not to exceed \$1.5 million, for a period up to eight years for Diemer plant environmental services.

No additional funds are required for this agreement. The funding for environmental services for each project will be authorized at the time each project is approved by the Board and funding is appropriated.

***Project Milestones***

July 2005 – Issue Notice to Proceed to Contractor

December 2006 – Completion of construction

**The Metropolitan Water District of Southern California**

**Abstract of Bids Received on March 24, 2005 at 2:00 P.M.**

**Specifications No. 1504**

**Robert B. Diemer Water Treatment Plant**

**Solids Handling Facilities, Vehicle Maintenance Center, and Entrance Relocation**

The contract consists of construction of two gravity solids thickeners, a solids dewatering building, a vehicle maintenance center, a refueling station, a covered vehicle wash area, and a new entrance gate facility.

**Engineer's Estimate: \$25.8 million**

<b>Bidder and Location</b>	<b>Total \$</b>	<b>SBE \$</b>	<b>SBE %</b>	<b>Met SBE*</b>
Brutoco Engineering and Construction, Inc. Fontana, CA	29.26 million	7,647,796	26%	Yes

\* SBE (Small Business Enterprise) Participation set at 25 percent

N/A – Not Applicable

**Financial Statement for Diemer Solids Handling and Water Reclamation Program**

A breakdown of Board Action No. 5 for Appropriation No. 15363 for the Diemer Solids Handling Facilities Project is as follows:

	<b>Previous Total Appropriated Amount (July 2003)</b>	<b>Current Board Action No. 5 (May 2005)</b>	<b>New Total Appropriated Amount</b>
Labor			
Studies & Investigations	\$ 387,000	\$ 0	\$ 387,000
Final Design	720,000	0	720,000
Owner Costs (Program management & permitting)	614,000	980,000	1,594,000
Construction Inspection & Support	250,000	1,830,000	2,080,000
Metropolitan Force Construction	1,466,000	390,000	1,856,000
Materials & Supplies	1,871,000		2,531,000
SCADA, telecommunication & Metropolitan-furnished equipment		660,000	
Incidental Expenses	50,000	10,000	60,000
Equipment Use	176,000	0	176,000
Professional/Technical Services	1,500,000		2,300,000
Black & Veatch		800,000	
Contracts	3,720,000	23,120,000	26,840,000
Remaining Budget	1,717,000	2,800,000	4,517,000
<b>Total</b>	<b>\$12,471,000</b>	<b>\$30,590,000</b>	<b>\$43,061,000</b>

**Funding Request**

<b>Program Name:</b>	Diemer Plant Solids Handling and Water Reclamation Program		
<b>Source of Funds:</b>	Revenue Bonds, Replacement and Refurbishment or General Funds		
<b>Appropriation No.:</b>	15363	<b>Board Action No.:</b>	5
<b>Requested Amount:</b>	\$ 30,590,000	<b>Capital Program No.:</b>	15363-I
<b>Total Appropriated Amount:</b>	\$ 43,061,000	<b>Capital Program Page No.:</b>	E-30
<b>Program Estimate:</b>	\$ 44,824,000	<b>Program Goal:</b>	I-Infrastructure Reliability

**Financial Statement for Diemer Oxidation Retrofit Program**

A breakdown of Board Action No. 5 for Approp. No. 15389 for the Diemer Vehicle Maintenance Center relocation is as follows:

	<b>Previous Total Appropriated Amount (June 2004)</b>	<b>Current Board Action No. 5 (May 2005)</b>	<b>New Total Appropriated Amount</b>
Labor			
Studies & Investigations	\$ 1,800,000	\$ 0	\$ 1,800,000
Owner Costs (Program management & permitting)	2,247,250	210,000	2,457,250
Final Design	13,130,750	0	13,130,750
Construction Inspection	0	450,000	450,000
Metropolitan Force Construction	77,000	90,000	167,000
Materials & Supplies	30,000		160,000
Security, SCADA, & telecommunication equipment		130,000	
Incidental Expenses	542,000	0	542,000
Professional/Technical Services	2,825,000		3,025,000
RNL Design		200,000	
Equipment Use	23,000	0	23,000
Contracts	0	6,140,000	6,140,000
Remaining Budget	2,855,000	720,000	3,575,000
<b>Total</b>	<b>\$ 23,530,000</b>	<b>\$ 7,940,000</b>	<b>\$ 31,470,000</b>

**Funding Request**

<b>Program Name:</b>	Diemer Oxidation Retrofit Program		
<b>Source of Funds:</b>	Revenue Bonds, Replacement and Refurbishment or General Funds		
<b>Appropriation No.:</b>	15389	<b>Board Action No.:</b>	5
<b>Requested Amount:</b>	\$ 7,940,000	<b>Capital Program No.:</b>	15389-W
<b>Total Appropriated Amount:</b>	\$ 31,470,000	<b>Capital Program Page No.:</b>	E-32
<b>Total Program Estimate:</b>	\$ 186,000,000	<b>Program Goal:</b>	WQ/Compliance

