



Montecito Sanitary District

1042 Monte Cristo Lane
Santa Barbara, CA 93108

A Public Service Agency

Phone: (805) 969-4200
www.montsan.org

BOARD PACKET

For the Regular Board Meeting of

Thursday, September 9, 2021

- 1. Agendawww.montsan.org/2021-09-09-board-of-directors-meeting
- 2. Minutes of the Meeting of the Board on August 26, 20212
- 3. Minutes of the Meeting of the Board on September 2, 20216
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- 5. EXHIBIT A – Staff Report: Hwy 192 Sewer Manhole Adjustments11
- 6. EXHIBIT B – Staff Report: Hwy 101 Swr Main Relocation Project.....*to follow via email*
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MINUTES

For the Regular Meeting of the Board on:

August 26, 2021

1. CALL TO ORDER

The Governing Board of the Montecito Sanitary District convened a regular meeting at 2:00 pm on Thursday, August 26, 2021 using Zoom teleconferencing in accordance with the State Executive Order No. N-29-20 issued on March 17, 2020.

ATTENDANCE

Board Members Present:

President Dorinne Lee Johnson, Vice President Woody Barrett, and Treasurer Don Eversoll, and Director Gary Fuller

Secretary Dana Newquist joined the meeting at 2:08pm

Board Members Absent:

Also Present and Participating:

Brad Rahrer, P.E., MSD General Manager
Carrie Poytress, P.E. MSD Engineering Manager
Mark Manion, MSD General Counsel, Price Postel & Parma
Rico Larroude, MSD Collections & Maintenance Supervisor
Betsy Byrne, MSD Clerk of the Board & District Administrator
Carole Rollins, MSD Laboratory & Pretreatment Manager
Jeff Kerns
Nick Panofsky
Ken
Jim Salvito
Bob Hazard
KScott
Bryce Ross
Guest

2. PUBLIC COMMENT

None.

3. APPROVAL OF MINUTES

ON MOTION by Director Barrett, Second by Director Eversoll, the Board voted to approve the Minutes from Board Meeting held on August 12, 2021.

AYES:	Directors Barrett, Eversoll, Fuller, and Johnson
NAYS:	None
ABSTAIN:	None

ABSENT: Director Newquist

4. APPROVAL OF PAYABLES

ON MOTION by Director Barrett, Second by Director Eversoll, the Board voted to approve the District payables for checks dated August 7th, 2021 through August 16th, 2021.

AYES: Directors Barrett, Eversoll, Fuller, and Johnson
NAYS: None
ABSTAIN: None
ABSENT: Director Newquist

Secretary Dana Newquist joined the meeting at 2:08pm

5. CLOSED SESSION

A. PUBLIC EMPLOYEE EVALUATION (Government Code Section 54957)
No reportable Action.

6. OLD BUSINESS

A. HIGHWAY 101 SEWER MAIN RELOCATION PROJECT

General Manager Rahrer recused himself from this discussion due to a disqualifying conflict of interest, and was placed in the (zoom) waiting room.

The Board received report from General Counsel Mark Manion of Price, Postel & Parma: A lift station was constructed at the Miramar; there were two easements granted. They are still in effect. The grant of easement expressly contemplates the ability of the District to expand the lift station on two grounds: being forced to do so, or technological advancements in the future. In summary, the District has the ability to discharge to that lift station.

Public Comment: from Mr. Bryce Ross, Sr. Vice President Miramar; I was on staff at the time of construction when the lift station was built. It was definitely clear that the lift station was designed to serve the Miramar. The document describes that it was constructed to treat wastewater from the Miramar. Our interest comes in, we have a big investment in the community, big investment in the Miramar. Want to make sure the Miramar has its full capacity to treat the wastewater. It was designed based on the flows and calculations exclusively coming from the Miramar. Our aim is to ensure that the capacity is there. We haven't seen the full capacity coming from the Miramar. Just getting up to speed & getting there. It would be terrific to sit down with Staff & look at all different options & alternatives and have some of our professionals join that conversation as well to ensure this is a success for everyone.

Director Johnson read into record, an email from Bryce Ross of the Miramar of August 24th to Brad Rahrer, GM and Engineering Manager Poytress: *I hope that you are both well. Following up on our recent meeting at the Miramar regarding the districts "101 Sewer Main Relocation Project", we are proceeding with our diligence*

as we discussed to facilitate the district. As we had discussed in our meeting, it was our understand that the Miramar lift station was designed by the district to only serve the needs of the Miramar, and given that 2019 was a slow ramp up year, and then in 2020 the pandemic hit, we are concerned that the full operational demands of the Miramar relative to the lift station may not be represented in the flows you have and are receiving, and therefore we would like to ensure that the Miramar be able to operate properly.

We would like to have our engineering team look at the following documents for the lift station: The districts basis of design used to design the life station, specifications, and engineering/construction drawings. It would also be helpful for us to have the historical flow reports for the Miramar from February 2019 – July 2021. Our team will begin our review quickly upon receipt of these documents from the district.

We appreciate your help.

The Board received a status report including summary of the opportunities and challenges to each of three alternative alignments to the Sewer Main Relocation project, and an update on the work completed, the draft technical memo flows, and the future project schedule from Engineering Manager Poytress.

The Board discussed the Sewer Main Relocation project; no action taken.

General Manager Rahrer was admitted to the meeting from the waiting room.

7. NEW BUSINESS

A. INFLUENT CHANNEL GRINDER REPLACEMENT

ON MOTION by Director Eversoll, Second by Director Barrett, the Board voted to authorize the General Manager to issue a purchase order to JWC Environmental in the amount of \$23,430.98 to replace one of the influent channel grinders.

AYES: Directors Barrett, Eversoll, Fuller, Newquist, and Johnson
NAYS: None
ABSTAIN: None
ABSENT: None

8. COMMITTEE REPORTS

None

9. DISTRICT OPERATIONS AND MAINTENANCE

A. INFORMATION ITEMS

General Manager Bradley Rahrer P.E., provided informational, nonactionable updates regarding matters before the District.

- i. Bradley Rahrer attended the CASA Conference where presentations included an update on American Rescue Plan Act and noted that he saw Board members from other agencies at the conference.

- ii. In the process of executing the Enhanced Recycled Water Feasibility Study contract with Carollo and Montecito Water District. Expect a kick-off meeting in September.
- iii. The State Water Resources Control Board notified the District that they are working on our NPDES permit renewal.
- iv. Board room is under construction, will be completed in the coming weeks.
- v. There will be a zoom Board Training on Monday August 30, 2021 at 12:30pm
- vi. The Pfizer vaccine has been officially approved; however, still no anticipated return to in-person Board or committee meetings.

B. AGREEMENTS TO BE SIGNED

None

C. OPERATIONS AND MAINTENANCE REPORTS

10. ITEMS FOR THE NEXT AGENDA

The next regular Board meeting will be on September 9, 2021 at 2:00 pm, agenda items may include but not limited to:

- i) Further discussion of the Highway 101 Sewer Main Relocation project contract
- ii) An update from General Counsel on an Ordinance to collect deferred construction costs on the County Tax Roll
- iii) Award Contract for roof repair
- iv) Renew a Purchase order: SmartCover Manhole monitors
- v) Assignment of committees
- vi) \$8,400 Connection Fees: to be discussed at next Finance Committee meeting, and the subsequent regular Board meeting.

11. ADJOURNMENT

The meeting adjourned at 4:10pm ON MOTION by Director Newquist, second by Director Eversoll.

These minutes were presented for approval at the Board Meeting on September 9, 2021.

Dorinne Lee Johnson, President

Ellwood T. Barrett II, Vice President

Dana Newquist, Secretary

Donald M. Eversoll, Treasurer

Gary Fuller, Director



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MINUTES

For the Special Meeting of the Board on:
September 2, 2021

1. CALL TO ORDER

The Governing Board of the Montecito Sanitary District convened a special meeting at 2:30 pm on Thursday, September 2, 2021 using Zoom teleconferencing in accordance with the State Executive Order No. N-29-20 issued on March 17, 2020.

ATTENDANCE

Board Members Present:

Directors Dorinne Lee Johnson, Woody Barrett, Don Eversoll, Gary Fuller, and Dana Newquist

Board Members Absent:

Also Present and Participating:

Carrie Poytress, P.E. MSD Engineering Manager
Mark Manion, PP&P; MSD General Counsel
Betsy Byrne, MSD District Administrator
Ricardo Larroude, MSD Collections & Maintenance Supervisor
Miranda Patton
Tyler
Jim Salvito
KScott
iPhone
Bradley Rahrer, P.E. MSD General Manager/District Engineer

2. PUBLIC COMMENT

None.

Board President Johnson announced that she has appointed Director Gary Fuller as her alternate to the ACWA JPIA Board of Directors.

3. OLD BUSINESS

A. HIGHWAY 101 SEWER MAIN RELOCATION PROJECT

ON MOTION by Director Johnson, Second by Director Eversoll, the Board voted to form an Ad-hoc Committee consisting of Directors Barrett and Johnson to ensure the correct scope and fees from proposing engineering firms.

AYES: Directors Barrett, Eversoll, Newquist, and Johnson

NAYS: Director Fuller

ABSTAIN: None

ABSENT: None

ON MOTION by Director Fuller, Second by Director Barrett, the Board voted to terminate the contract with Flowers and Associates.

AYES: Directors Barrett, Eversoll, Fuller, Newquist, and Johnson
NAYS: None
ABSTAIN: None
ABSENT: None

ON MOTION by Director Barrett, Second by Director Eversoll, the Board voted to direct staff to issue a Request for Proposal as quickly as possible, and include all three alternative alignments in the scope of work for the RFP.

AYES: Directors Barrett, Eversoll, Fuller, Newquist, and Johnson
NAYS: None
ABSTAIN: None
ABSENT: None

Engineering Manager Carrie Poytress made a statement for the record that she is very concerned about meeting the Caltrans schedule for the project based on the Board's decisions today to form an ad-hoc committee and directing staff to re-issue a request for proposal and the associated negotiations that are required for the process.

4. NEW BUSINESS

None.

5. ITEMS FOR THE NEXT AGENDA

The next regular Board meeting will be on September 9, 2021 at 2:00 pm.

- i) Highway 101 Sewer Main Relocation Project
- ii) Highway 192 Sewer Manhole Adjustments
- iii) Renewing a Purchase Order for SmartCover © manhole monitors
- iv) Discussing existing committee assignments
- v) Discuss two recent invoices from Kimley Horn and Associates
- vi) Discuss the District's \$8,400 connection fee
- vii) Discuss the discontinued \$2,000 Sewer Lateral Rebate program.

6. ADJOURNMENT

The meeting adjourned at 3:36 pm.

These minutes were presented for approval at the Board Meeting on September 9, 2021.

Dorinne Lee Johnson, President

Ellwood T. Barrett II, Vice President

Dana Newquist, Secretary

Donald M. Eversoll, Treasurer

Gary Fuller, Director



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BOARD LIST OF PAYABLES

<u>CHECK DATE</u>	<u>SUMMARY & TYPE</u>	<u>BATCH TOTAL</u>
08/27/2021	ACCOUNTS PAYABLE	40,002.24
08/27/2021	CAPITAL IMPROVEMENT PROJECTS	3,467.50
08/26/2021	PAYROLL	82,443.22
	TOTAL	\$ 125,912.96

Approved for Payment:

Date: September 9, 2021

Amount: \$ 125,912.96

_____,

General Manager

_____,

Treasurer

_____,

Director

Check History Report
Sorted By Check Number
Activity From: 8/27/2021 to 8/27/2021
MONTECITO SANITARY DISTRICT (MSD)

Check Number	Check Date	Name	Check Amount	Description
026842	8/27/2021	AT&T MOBILITY	144.75	Wireless Data Ports for Office & Lift Station-August
026843	8/27/2021	BARTLETT, PRINGLE & WOLF, LLP	861.00	Pre-Audit Meeting with CPA
026844	8/27/2021	1260 BB PROPERTY, LLC	1,600.00	Permit Cancellation Refund-1260 Channel Drive
026845	8/27/2021	ELIZABETH BYRNE	335.35	Reimbursement - Computer Equipment
026846	8/27/2021	COMPUVISION COMMUNICATIONS	1,740.00	Datto Cloud Backup, NetAlert Managed Services - September
026847	8/27/2021	DUGAN FAMILY TRUST	750.00	Permit Cancellation Refund-759 Picacho Lane
026848	8/27/2021	ENV SERVICES INC, c/o MUNICIPAL	339.63	Lab Chemical Fume Hood Annual Required Testing
026849	8/27/2021	FASTENAL COMPANY	880.13	Plant Maint. Materials - Disposable Gloves, Safety Glasses
026850	8/27/2021	GLASER, ALLEN	2,216.00	Deposit Refund less pro-rated SSC-765 Hot Springs Road
026851	8/27/2021	GRAINGER	1,420.36	Plant Maint. Materials - Board Room Repairs
026852	8/27/2021	HACH COMPANY	481.62	LBOD Replacement Probe for Laboratory
026853	8/27/2021	MARBORG INDUSTRIES	2,580.08	Restroom Trailer Rental COVID - August
026854	8/27/2021	MCCORMIX CORP	844.39	Vehicle Fuel 8/1-8/15/21
026855	8/27/2021	MCMaster-CARR SUPPLY COMPANY	515.51	Board Room Wire Raceway & Conduit
026856	8/27/2021	OILFIELD ENVIRONMENTAL & COMPLIANCE	181.00	Outside Lab Analyses 8/24
026857	8/27/2021	PLUMBERS DEPOT, INC	1,098.33	CCTV Camera Repair
026858	8/27/2021	PRICE POSTEL & PARMA	5,044.50	Legal Counsel Services-July
026859	8/27/2021	PURETEC INDUSTRIAL WATER	55.44	Water Softener Sodium Tank Exchange-August
026860	8/27/2021	QUINN COMPANY	2,671.25	Lift Station 5 - Battery Charger Repair
026861	8/27/2021	RINGCENTRAL, INC.	531.64	Phone Services - August
026862	8/27/2021	ROBERTSON, DONALD	1,925.00	Permit Cancellation Refund-1586 San Leandro Lane
026863	8/27/2021	SHERWIN-WILLIAMS CO.	253.44	Paint Supplies for Board Room
026864	8/27/2021	STANDARD INSURANCE COMPANY	1,619.93	Short & Long Term Disability-September
026865	8/27/2021	STARK, JULIE ANN	3,450.00	Deposit Refund-1775 San Leandro Lane
026866	8/27/2021	SYMINGTON, ANN	1,150.00	Permit Cancellation Refund-246 Miramar Avenue
026867	8/27/2021	T-MOBILE	20.00	Wireless Data Port for UF/RO-August
026868	8/27/2021	UNIVAR SOLUTIONS	5,815.49	Plant Chemicals 8/11-8/25
026869	8/27/2021	VENTURA AIR CONDITIONING CO.	954.00	Lab Condenser Fan Motor Replacement
026870	8/27/2021	WINZER	523.40	Disposable Gloves for Operations
Bank B Total:			40,002.24	

CIP Check History Report
Sorted By Check Number
Activity From: 8/27/2021 to 8/27/2021
MONTECITO SANITARY DISTRICT (MSD)

Check Number	Check Date	Name	Check Amount	Description
001294	8/27/2021	FILIPPIN ENGINEERING	1,887.50	CIP No. 2-Hwy 192 Manhole Raising Project
001295	8/27/2021	HAMNER JEWELL ASSOCIATES	1,580.00	CIP No. 9-Ashley Rd Lift Station Surveying Services
Bank G Total:			<u>3,467.50</u>	



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MONTECITO SANITARY DISTRICT STAFF REPORT

DATE: September 9, 2021

TO: Board of Directors

FROM: Brad Rahrer, General Manager

PREPARED BY: Carrie Poytress, Engineering Manager

SUBJECT: Bid 2021-02 Highway 192 Sewer Manhole Adjustments

SUMMARY: Caltrans requires the District to lower 60 manholes prior to Caltrans's contractor grinding Highway 192 as part of the Debris Flow roadway repair. Once the road is repaved, then the District is required to raise the manholes to grade.

Recommendation – THEREFORE, STAFF RECOMMENDS THAT

1. The Board of Directors approve a change order allowance of 10% for expenditures up to \$18,550 for changes to the existing contract with Tierra Contracting due to scope and schedule changes for the Caltrans Highway 192 Paving Project.

Fiscal Impact – The construction contract with Tierra Contracting is for \$185,500. The change order allowance of \$18,550 allows the General Manager to use as unexpected changes to the project come up, but may not be fully needed for the project.

Previous Related Action – The Board awarded the construction contract to Tierra Contracting on June 30, 2021, but a change allowance was not included in that authorization by the Board.

Goals and Objectives – To comply with the Caltrans' requirements.

Environmental Determination – Categorically exempt by CEQA.

Analysis – Justifications: Caltrans is grinding and repaving Highway 192 from the Cold Springs to East Valley Road, Hot Springs Road to Moore Road, and Romero Canyon Road to Ladera Lane. The Caltrans paving scope of work required the District to lower sixty (60) manholes prior to the grinding work and to raise the manholes after the paving is completed. Caltrans awarded the roadway work to Toro Enterprises and Caltrans notified the District of this project on May 7, 2021. As required by Purchasing Resolution No. 2021-931 for contractors for public improvement projects and as directed by District Council, staff was required to advertise for bid. Staff advertised the project on May 30th and June 6th, held a mandatory pre-bid meeting on June 7th, and opened bids on June 21st.

To prepare the manholes for the paving work to begin, Caltrans notified the District that the manholes needed to be lowered by their Contractors start date. Caltrans gave a must start date to Toro of August 2, 2021; therefore, Tierra Contracting started lowering the manholes on July 26th and completed them on July 29th.

District staff have been monitoring the progress of Caltrans contractor (Toro) and unfortunately, Toro did not start the grinding work until September 2021 due to submittal approval delays with Caltrans. MSD Staff have not received an expected completion date from Caltrans on when the manholes may be raised and accessible.

Staff have identified two issues that will result in a change order to its Contract with Tierra. The first is that Caltrans added 250 linear feet of paving to the initial scope provided to the District, resulting in two additional manholes that needed to be lowered and raised for the project. Second, the additional delay from Caltrans schedule is extending the duration the manholes are protected with a steel plate and will result in additional costs for Tierra. MSD staff are in communication with Caltrans to resolve this matter and request financial relief due to Caltrans contractor's delay.

OTHER DEPARTMENTS INVOLVED: Collections

ATTACHMENTS: None



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MONTECITO SANITARY DISTRICT STAFF REPORT

DATE: Thursday, September 9, 2021

TO: Board of Directors

FROM: Bradley Rahrer, General Manager

PREPARED BY: Rico Larroude, Acting Operations and Maintenance Manager

SUBJECT: SmartCover Manhole Monitoring Renewal

RECOMMENDATION: That the board of Directors:

1. Authorize the General Manager to issue a purchase order to SmartCover Systems (aka Hadronex) in the amount of \$29,250.00 to renew the annual contract for monitoring and parts for the District's 30 SmartCover manhole covers; and
2. Authorize the General Manager to renew the purchase order (PO) annually.

DISCUSSION

Background – Over the past 13 years, the District has purchased and installed 30 SmartCovers in strategic locations throughout the District. The purpose of this critical equipment is to protect the District's collection system from possible sewer system overflows by monitoring flow levels in 25 manhole locations and at all five District Lift Stations.

The sensors installed underneath the manhole cover monitor the water level in the manhole 24 hours a day, seven days a week and transmit the data via satellite to a website. Operations staff is notified via text and email when significant level changes occur and staff respond accordingly. These devices help deploy operators to locations before problems arise and are a key element to the District's sewer system management plan for sustaining good performance by helping prevent dry weather and wet weather related sewer system overflows.

The annual renewal scope and cost includes covers, the software and data subscription, replacement of the battery power systems, and parts warranty for any damage to the 30 sensors or antennas.

Fiscal Impact – Staff includes the cost for the annual software and hardware renewal in the annual budget under Contracted Services.

Analysis – Justifications: – Soliciting bids is not a preferable approach as the equipment is owned by the District and SmartCover is the sole provider of the service. While other flow level monitor solutions exist on the market and the software renewal and data costs may be comparable, the costs for replacing hardware, installing new units and training operators on a new system would be significantly more expensive than using the existing monitoring equipment already installed throughout the District and not be in the best interest of the District.

OTHER DEPARTMENTS INVOLVED: None

ATTACHMENTS: Renewal Quotation from SmartyCover Inc. dated 7/2/21

Please remit payment electronically to:

Account Name: KIMLEY-HORN AND ASSOCIATES, INC.
 Bank Name and Address: WELLS FARGO BANK, N.A., SAN FRANCISCO, CA 94163
 Account Number: 2073089159554
 ABA#: 121000248

If paying by check, please remit to:

KIMLEY-HORN AND ASSOCIATES, INC.
 P.O. BOX 847385
 LOS ANGELES, CA 90084-7385

MONTECITO SANITARY DISTRICT
 1042 MONTE CRISTO LANE
 MONTECITO, CA 93108

Invoice No: 19253162
 Invoice Date: Jul 15, 2021
 Invoice Amount: \$7,431.38

Federal Tax Id: 56-0885615
 For Services Rendered through Jul 15, 2021

Project No: 099832001.2
 Project Name: MSD GM SUPPORT
 Project Manager: WONG, PATRICK

Client Reference:

HOURLY

Description	Current Amount Due
TASK 1 - GENERAL ADMIN	5,567.50
TASK 2 - TECHNICAL ENGINEERING	1,510.00
EXPENSES	353.88
Subtotal	7,431.38
Total HOURLY	7,431.38

MONTECITO SANITARY DISTRICT
 1042 MONTE CRISTO LANE
 MONTECITO, CA 93108

Invoice No: 19253162
 Invoice Date: Jul 15, 2021

Project No: 099832001.2
 Project Name: MSD GM SUPPORT
 Project Manager: WONG, PATRICK

HOURLY

Task	Description	Hrs/Qty	Rate	Current Amount Due
01GENERAL ADMIN	ANALYST	2.0	140.00	280.00
	SENIOR PROFESSIONAL I	1.5	215.00	322.50
	SENIOR PROFESSIONAL II	20.0	240.00	4,800.00
	SUPPORT STAFF	1.5	110.00	165.00
TOTAL 01GENERAL ADMIN		25.0		5,567.50
02TECHNICAL ENGINEERING	SENIOR PROFESSIONAL I	2.0	215.00	430.00
	SENIOR PROFESSIONAL II	4.5	240.00	1,080.00
TOTAL 02TECHNICAL ENGINEERING		6.5		1,510.00
99OFFICE EXPENSE	OFFICE EXPENSE			353.88
TOTAL 99OFFICE EXPENSE				353.88
TOTAL LABOR AND EXPENSE DETAIL				7,431.38

This page is for informational purposes only. Please pay amount shown on cover page.

Hours & Notes by Project, Task, Day

Task	Task Name	Employee Name	Hours Date	Cell Comments	Entered Hours
PM: WONG, PATRICK					
099832001.2 MSD GM SUPPORT					
099832001.2.101	01GENERAL ADMIN -Task 1		07/01/2021	Admin Support	1.0
			07/09/2021	Admin Support	0.5
					1.5
			07/09/2021	Grant funding background research for monday meeting	0.5
					0.5
			07/14/2021	Rate schedule review/follow up/update	1.0
					1.0
			07/02/2021	Project Support	2.0
					2.0
			07/01/2021	Progress Report Review and Invoice Preparation	1.0
			07/09/2021	Funding research	1.0
			07/12/2021	Project Management and Coordination	1.0
			07/14/2021	Funding preparation meeting and agenda review.	2.0
			07/15/2021	Funding criteria research for Board Meeting	2.0
					7.0
			07/01/2021	Review and coordinate 7-8-21 Regular Board of Directors meeting Final agenda items and Packet staff reports.	1.5
			07/06/2021	Preparation and coordinate bi-weekly status report for 2nd half month of June activities.	2.0
			07/08/2021	Attend Virtual Regular Board of Directors meeting.	2.0
			07/09/2021	Grant funding coordination and research.	2.0
			07/12/2021	Develop and identify grant funding per request of BOD President.	1.5
			07/14/2021	Prepare and coordinate status report of last week regular board meeting. Establish Grand funding opportunities.	2.0
			07/15/2021	Attend Virtual meeting on Strategic Planning Committee meeting-Presentation of Enhanced Feasibility Study by Carollo Engineer.	2.0
					13.0
	Total 099832001.2.101				25.0
099832001.2.101					
25.0					
099832001.2.102	02TECHNICAL ENGINEERING - Task 2		07/13/2021	Call with team to discuss grant funding opportunities for MSD to consider	1.0
			07/14/2021	Grant funding background research and discussion call	1.0
					2.0
			07/01/2021	Review new enhanced feasibility study proposal scope of work.	1.5
			07/06/2021	Review new MWD-MSD new scope of work.	1.0
			07/07/2021	Review Alternative analysis.	1.0
			07/08/2021	Review Alternate MWD-MSD Enhance Feasibility Study Scope of work. Analyze and determine outline of Master Plan Items.	1.0
					4.5
	Total 099832001.2.102				6.5
099832001.2.102					
6.5					

Hours & Notes Proj/Task/Day

Jul 21, 2021 @ 9:11:32 PM

Progress Report for July 1 thru 15, 2021

July 20, 2021

Project Name: MSD Interim General Management

Client: Montecito Sanitary District (MSD)

Project Manager: Patrick Wong

Snapshot of Project and Meetings

Activity	Percent Complete	Hours spent	Delivery Date	Responsible Party
Senior Professional Level I	No deliverable	3.5 hrs.	Ending 7-15-21	Kimley-Horn
Senior Professional Level II	No deliverable	24.5 hrs.	Ending 7-15-21	Kimley-Horn
Analyst	No deliverable	2 hrs.	Ending 7-15-21	Kimley-Horn
Staff-Support	No deliverable	1.5 hrs.	Ending 7-15-21	Kimley-Horn

Snapshot of Project Budget Hours

Budget (Hr.)	Incurred (Hr.)	Budget Remaining (Hr.)
64 hrs./2 wk.+	31.5 Hrs.	32.5 Hrs.

Original proposal/contract on Time & Materials (T&M) with an estimated 20-30 hours per week approved March 1, 2021.

Status Summary

Kimley-Horn staff participated in:

1. Committee and standing board meetings and MSD Committee meetings with the District staff.
2. Reviewed and coordinated draft and final agenda of Board meetings.
3. Coordinate and review of the Lilac and Oak Grove bid and analysis.
4. Coordinate with permanent GM on project status and related items.
5. Review, coordinate, and edit meeting agendas for Regular Board and Committee meetings.
6. Coordinate, review, and report of Enhanced Feasibility Study proposal.
7. Coordinate and review of annual collection of homeowners' sewer payment via tax roll collection procedure.
8. Consultation and review of Grant Funding opportunity.

Should there be questions regarding this Progress Report, please contact Tony Wong at (213) 261-4057 or tony.wong@kimley-horn.com.



Tony K. Wong, P.E.

Please remit payment electronically to:

Account Name: KIMLEY-HORN AND ASSOCIATES, INC.
 Bank Name and Address: WELLS FARGO BANK, N.A., SAN FRANCISCO, CA 94163
 Account Number: 2073089159554
 ABA#: 121000248

If paying by check, please remit to:

KIMLEY-HORN AND ASSOCIATES, INC.
 P.O. BOX 847385
 LOS ANGELES, CA 90084-7385

MONTECITO SANITARY DISTRICT
 1042 MONTE CRISTO LANE
 MONTECITO, CA 93108

Invoice No: 19299461
 Invoice Date: Jul 31, 2021
 Invoice Amount: \$6,311.89

Federal Tax Id: 56-0885615
 For Services Rendered through Jul 31, 2021

Project No: 099832001.2
 Project Name: MSD GM SUPPORT
 Project Manager: WONG, PATRICK

Client Reference:

HOURLY

Description	Current Amount Due
TASK 1 - GENERAL ADMIN	3,480.00
TASK 2 - TECHNICAL ENGINEERING	2,470.00
EXPENSES	361.89
Subtotal	6,311.89
Total HOURLY	6,311.89

MONTECITO SANITARY DISTRICT
 1042 MONTE CRISTO LANE
 MONTECITO, CA 93108

Invoice No: 19299461
 Invoice Date: Jul 31, 2021
 Project No: 099832001.2
 Project Name: MSD GM SUPPORT
 Project Manager: WONG, PATRICK

HOURLY

Task	Description	Hrs/Qty	Rate	Current Amount Due
01GENERAL ADMIN	SENIOR PROFESSIONAL II	14.5	240.00	3,480.00
TOTAL 01GENERAL ADMIN		14.5		3,480.00
02TECHNICAL ENGINEERING	SENIOR PROFESSIONAL I	2.0	215.00	430.00
	SENIOR PROFESSIONAL II	8.5	240.00	2,040.00
TOTAL 02TECHNICAL ENGINEERING		10.5		2,470.00
99EXPENSES	TRAVEL - CAR RENTAL			95.13
TOTAL 99EXPENSES				95.13
99OFFICE EXPENSE	OFFICE EXPENSE			266.76
TOTAL 99OFFICE EXPENSE				266.76
TOTAL LABOR AND EXPENSE DETAIL				6,311.89

This page is for informational purposes only. Please pay amount shown on cover page.

Hours & Notes by Project, Task, Day

Task	Task Name	Employee Name	Hours Date	Cell Comments	Entered Hours		
PM: WONG, PATRICK							
099832001.2 MSD GM SUPPORT							
099832001.2.101	01GENERAL ADMIN	Task 1	07/16/2021	Funding review, coordination and analysis preparation	0.5		
			07/19/2021	Funding coordination and analysis preparation	0.5		
			07/20/2021	Monthly Progress Report	0.5		
			07/21/2021	Funding Analysis and Preparation Meeting	0.5		
			07/22/2021	Board Meeting and Funding Support	1.0		
			07/26/2021	Progress Report. Funding Master Plan Coordination	1.0		
							4.0
		Task 1	07/16/2021	Draft and Develop MSD Recycle water participation criteria based on discussion with BOD President.			2.0
			07/20/2021	Preparation and coordination of MSD-MWD Participation criteria.			2.0
			07/21/2021	Preparation and coordination of MSD-MWD Participation criteria in conjunction with the Enhanced Feasibility Study.			2.5
			07/22/2021	Develop and coordinate Grant Funding list and criteria.			1.5
			07/26/2021	Coordinate, preparation and attend Manager's Weekly meeting.			1.0
			07/29/2021	Coordinate and review of documents for project closeout.			1.5
		Total 099832001.2.101					10.5
							14.5
099832001.2.101							
14.5							
099832001.2.102	02TECHNICAL ENGINEERING	Task 2	07/19/2021	Grant funding team call and background support.	1.0		
			07/22/2021	Grant writing support Analysis	1.0		
							2.0
		Task 2	07/22/2021	Develop and coordinate Enhanced Feasibility Study cost sharing criteria.			2.5
			07/26/2021	Coordinate, analysis, and review of Engineering projects - SR101 HOV Sewer Relocation and Lilac and Oak Groves redesign.			1.0
			07/27/2021	Review SR 101 HOV Sewer relocation and Lilac and Oak Groves design criteria.			2.0
			07/28/2021	1. Review re-design Lilac and Oak Groves package of PS&E and Qa/Qc Team review and meeting discussion. 2. Review and discuss SR 101 HOV Sewer Main Relocation. 3. Review and meeting on other transition items.			3.0
							8.5
		Total 099832001.2.102					10.5
							10.5
099832001.2.102							
10.5							



1300 W MAIN ST
ALHAMBRA, CA 91801-2102

Rental Agreement #:
Bill Ref #:
Invoice Date:
Account #:

3RKP51
9000-4715-7249
06/30/2021

BILLING DETAIL

Description	Qty/Per	Rate	Amount
TIME & DISTANCE	1 DAY	43.00	43.00
Subtotal			43.00
VEHICLE LICENSE RECOVERY FEE	1 DAY	1.63	1.63
SALES TAX	PCT	10.25	4.41
Total Charges (USD)			49.04

BILL TO

PATRICK WONG
526 SANTA MARIA RD
ARCADIA, CA - 91007

RENTAL INFORMATION

Date/Time Out 06/28/2021 05:39 PM
Date/Time In 06/29/2021 06:03 PM

Renter
WONG, PATRICK

RENTAL VEHICLES

Color	License	Model	Unit	Miles/Kms Out In
WHITE	NBD8967	OPTI	7TLVTV	30,833 31,063

VIN: 5XXGT4L35LG441337

CLAIM INFORMATION

Claim# / PO# / RO# **Insured**

Date of Loss **Type of Loss** **Type of Vehicle**

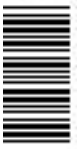
Repair Shop

PAYMENTS

Payment	American Express	-49.04
Total Payments (USD)		-49.04

Amount Due (USD) **0.00**

Individual line item charges such as rental rates for Time and Distance, percentage-based charges (e.g., sales taxes and fees or surcharges), and charges divided between multiple parties may be rounded up or down a whole cent to ensure that the charges equal the actual Total Amount Due and/or to avoid fractional cents.



For Billing Inquiries / Payment Terms :

Tel#: +1 6572214400
32CCARADMIN@erac.com

Thank You For Choosing Enterprise

Please Return This Portion With Remittance		Amount Due (USD)	0.00
Remit To : ENTERPRISE RENT-A-CAR 333 CITY BLVD W ORANGE, CA 92868-		Paid By: PATRICK WONG 526 SANTA MARIA RD ARCADIA, CA 91007	
Fed Tax Id: 95-3475810	Account #	Rental Agreement	Amount
		3RKP51	0.00
			GPBR
			32J3

MSD

S & O OIL SERVICES I
FG06132383001
1600 N EASTERN AVE
LOS ANGELES , CA
90063
06/29/2021 704596528
04:56:52 PM

XXXXXXXXXXXX1005
Am Express
INVOICE 044694
AUTH 597879

PUMP# 3
Regular 7.167G
PRICE/GAL \$4.699

FUEL TOTAL \$ 33.68

CREDIT \$ 33.68

=====
Customer-activated Purchase/Capture
Site #: 000000009765298
Shift Number 11
Sequence Number 41833
Swiped
APPROVED 597879
=====

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visit.com)

Progress Report for July 16 thru 31, 2021

August 5, 2021

Project Name: MSD Interim General Management

Client: Montecito Sanitary District (MSD)

Project Manager: Patrick Wong

Snapshot of Project and Meetings

Activity	Percent Complete	Hours spent	Delivery Date	Responsible Party
Senior Professional Level I	No deliverable	2.0 hrs.	Ending 7-31-21	Kimley-Horn
Senior Professional Level II	No deliverable	23.0 hrs.	Ending 7-31-21	Kimley-Horn
Analyst	No deliverable	0.0 hrs.	Ending 7-31-21	Kimley-Horn
Staff-Support	No deliverable	0.0 hrs.	Ending 7-31-21	Kimley-Horn

Snapshot of Project Budget Hours

Budget (Hr.)	Incurred (Hr.)	Budget Remaining (Hr.)
64 hrs./2 wk.+	25.0 Hrs.	39.0 Hrs.

Original proposal/contract on Time & Materials (T&M) with an estimated 20-30 hours per week approved March 1, 2021.

Status Summary

Kimley-Horn staff participated in:

1. Reviewed and coordinated draft and final agenda of Board meetings.
2. Coordinate and review of the Lilac and Oak Grove bid and analysis.
3. Coordinate with permanent GM on project status and related items.
4. Coordinate, review, and report of Enhanced Feasibility Study proposal.
5. Coordinate and review of annual collection of homeowners' sewer payment via tax roll collection procedure.
6. Consultation and review of Grant Funding opportunity.

Should there be questions regarding this Progress Report, please contact Tony Wong at (213) 261-4057 or tony.wong@kimley-horn.com.



Tony K. Wong, P.E.

Bradley Rahrer

From: Bradley Rahrer
Sent: Tuesday, August 31, 2021 5:08 PM
To: 'Wong, Tony'
Subject: Invoice Revisions

Good Afternoon Tony,

During our call on July 28, you and I discussed the Kimley-Horn presentation on grant funding given to the board on July 22. As you may recall, I stated during our call that your presentation was a Kimely-Horn qualifications and proposal presentation rather than an informational presentation on grant funding opportunities. An informational presentation on grant funding opportunities could be supportable as services under your interim general manager contract, whereas a business development presentation is not.

When I received and reviewed your last two invoices for the contract, I noted several hours were dedicated to preparing for the presentation. While I understand that you were still performing some Interim General Manager services, the District cannot pay consultants for business development time or for making presentations to earn new business contracts.

When you have a convenient moment, would you please give me a call so we can discuss revisions to the two invoices listed below?

- 099832001.2_MSD_GM_SUPPORT_2021-07-15
- 099832001.2_MSD_GM_SUPPORT_2021-07-31

Thank you,
Brad

Bradley Rahrer, P.E.
General Manager/District Engineer
Montecito Sanitary District
1042 Monte Cristo Lane
Santa Barbara, CA 93101
805-969-4200
BRahrer@Montsan.org

Caroline Martin

From: Caroline Martin
Sent: Tuesday, August 10, 2021 11:23 AM
To: Bradley Rahrer
Subject: FW: 166 Santa Elena Lane - Sewer Rehab Program

Here is Mr. Scarminach's dispute and request for his rebate.

Caroline M. Martin
Acct/Administrative Assistant
Montecito Sanitary District
1042 Monte Cristo Lane
Santa Barbara, CA 93108
(805) 969-4200
cmartin@montsan.org

From: Brian Scarminach <brian@templock.com>
Sent: Monday, August 9, 2021 7:57 AM
To: Caroline Martin <cmartin@montsan.org>
Subject: RE: 20BDP-00000-00672; 166 Santa Elena Lane

Caroline,

I received a check for the performance bond for permit A-5113 but not the Rehab program rebate of \$2000. My permit was completed and signed-off on 7/14/21 before the 7/22/21 Board decision to discontinue the program. I complied with the rules of the program and expect a refund.

Thanks,

Brian Scarminach
Templock
The Vercal Building 170
1 N. Calle Cesar Chavez
Santa Barbara, CA 93103
(805)962-3100

Caroline Martin

From: Brett Bronstad <brett@sblandmark.com>
Sent: Friday, August 6, 2021 2:09 PM
To: Bradley Rahrer
Cc: Caroline Martin
Subject: Sewer Lateral Rebate - 2121 Sycamore Canyon Rd

Dear Sir,

I am writing in behalf of the property owners of the subject address, having assisted them through the construction process of their home, some two years ago. Initially, it was their understanding that the lateral replacement was not mandatory, and near to the completion of construction, they became aware of the necessity to replace the lateral due to its condition. They were advised by the district that they would receive a portion of the bond money returned, as well as \$2000 in rebates, to offset this expense. *The application to Caltrans for a road encroachment permit was initiated late fall 2020, and through much convoluted and staff changes there, the permit was not issued until early July, 2021.* The lateral was then replaced, and inspected by the MSD in early July.

We now come to find out the district board has discontinued the rebate program. It seems more than apparent to me that revoking the rebate for these folks at this juncture is not justifiable. *In fact, the board's decision to stop the program, voted on July 22, was after the lateral was in and approved by the MSD field inspector.* I'm sure you are aware of the challenges these customers have faced, and are looking at a cost of over \$9000, for the plumbing work. Please reconsider this case, so that some lengthy appeal process will not be necessary.

Respectfully,

Brett Bronstad
Agent for the property owner

Caroline Martin

From: Jeffrey Alan Marks <jeffrey@jam-design.com>
Sent: Monday, August 16, 2021 8:46 AM
To: Caroline Martin
Subject: FW: 274 Middle Road Montecito
Attachments: Scan 3.jpeg

FYI. Thank you Caroline

Jeffrey Alan Marks

JEFFREY ALAN MARKS INC

1187 Coast Village Road
Montecito, CA 93108

24 Jeffrey's Lane
East Hampton NY 11937

jam-design.com

From: Jeffrey Alan Marks <jeffrey@jam-design.com>
Date: Thursday, August 12, 2021 at 10:24 AM
To: "brahrer@montsan.org" <brahrer@montsan.org>
Cc: Gregory O'Block <gregoblock@gmail.com>
Subject: 274 Middle Road Montecito

Dear Bradley and Sanitary District Board Members,

I was called to bring my receipts to your office in proof of the over 45K spent on your sewer rehabilitation program for our house at 274 Middle Road- Paperwork dated April 7 2020 only to find out your credit back is being " discontinued" for no reason to all the people that were promised in good faith a credit if the work was done which in my mind was really up the city anyway. I must say, I'm not only shocked at your business practices but think it's appalling behavior to the community of Montecito.

Please advise how you will handle going forward.

Jeffrey Alan Marks

JEFFREY ALAN MARKS INC

1187 Coast Village Road
Montecito, CA 93108

24 Jeffrey's Lane
East Hampton NY 11937



Montecito Sanitary District

1042 Monte Cristo Lane
Santa Barbara, CA 93108

A Public Service Agency

Phone: (805) 969-4200
www.montsan.org

MONTECITO SANITARY DISTRICT STAFF REPORT

DATE: Thursday, September 9, 2021
TO: Board of Directors
FROM: Bradley Rahrer, General Manager]
SUBJECT: Overview of MSD Connection Fees

RECOMMENDATION:

That the Board of Directors:

1. Receive a presentation from the General Manager on connection fees; and
2. Discuss the current connection fee of \$8,400.

DISCUSSION:

Background – Districts, cities, and utilities use rate studies to support the establishment of connection fees. There are generally two methods available to utilities for developing connection fees to recover the cost of capacity available for new service; 1) Average Cost Buy-in method and 2) the Incremental Growth-Related Cost method. Since MSD is a small district and is considered to be nearly built-out, the District elected to use the Average Cost Buy-in method to establish its connection fees.

In 2010, the District hired a consultant, CDM Smith, to analyze the District’s existing connection fees and update those established in MSD Resolution 2004-816. In 2010 the fees were increased from \$3,250 to \$7,300 per equivalent residential unit, or ERU. The fee was calculated from capital asset investments made by the District to develop capacity in the wastewater collection and treatment systems. The recalculated fee allowed for any future customer growth to “pay for itself” without burdening existing customers.

CDM Smith also advised MSD to update the fee periodically based on inflationary escalations in facility construction costs. On October 9, 2017, the MSD Board of Directors passed Resolution 2017-906 amending several District Fees, including the connection fees updating the charge per 1.0 ERU to \$8,400.

Resolution No. 2017-906, took effect on January 1, 2018 and is still currently in effect.

Periodic evaluation and analysis of District fees, annual sewer service charges, is recommended. The District's last rate study was prepared by Water Consultancy in 2016, however the connection fee analysis was not part of the scope of service for that study.

Fiscal Impact – When property owners propose to make a new connection to District facilities, either through development or septic to sewer conversion, the current connection fee is collected and those funds are separated from other District revenue in a general ledger line item and on the financial statements.

Public Notice – Modifying District fees not based solely on inflationary escalations requires a full rate study. And any modification to District fees requires advance public noticing and a new resolution.

OTHER STAKEHOLDERS: NA

ATTACHMENTS:

1. 2010 MSD Updated Connection Fee Memo (CDM Smith, May 5, 2010)
2. Resolution No. 2017-906

ORDINANCE NO. 12

AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE MONTECITO SANITARY DISTRICT

ESTABLISHING CERTAIN RULES REGARDING CONNECTION TO THE DISTRICT'S SEWER SYSTEM, PROHIBITING CONNECTIONS THAT RESULT IN RAINWATER OR STORMWATER DISCHARGES INTO THE DISTRICT'S SEWER SYSTEM, REQUIRING PRETREATMENT MEASURES AND AUTHORIZING PREVENTIVE MEASURES RESPECTING INDUSTRIAL WASTEWATER, AND REQUIRING PROPERTY OWNERS TO CONDUCT VIDEO INSPECTIONS OF PRIVATE SEWER LATERALS THAT DISCHARGE INTO THE DISTRICT'S SEWER SYSTEM

WHEREAS, the District is duly formed and operates pursuant to the Sanitary District Act of 1923, which is codified in Health and Safety Code section 6400 et seq. (the "Act"); and

WHEREAS, Section 6521 of the Act authorizes the District to make and enforce all necessary and proper regulations for all sanitary purposes not in conflict with the laws of the State of California; and

WHEREAS, Section 6522 of the Act further provides that the District may do any act necessary or proper to the complete exercise and effect of any of its powers, or for the purposes for which it was formed; and

WHEREAS, pursuant to California Government Code section 54739(a), the District is authorized, among other things, to require pretreatment of any industrial waste which the District determines is necessary to protect its treatment works or the proper and efficient operation thereof or the health or safety of its employees or the environment, and to require prevention of the entry of such industrial waste into the collection system and treatment works; and

WHEREAS, based upon the express authority set forth in the Act and Government Code section 54739, the District desires to adopt this ordinance regulating connection to and use of the District sewer system and requiring pretreatment of industrial wastewater and prevention of discharge of such wastewater into the District sewer system; and

WHEREAS, the adoption of such an ordinance is exempt from the California Environmental Quality Act ("CEQA") in accordance with Section 15308 of the State CEQA Guidelines that exempts actions taken by regulatory agencies as authorized by State law or local ordinance, to assure the maintenance, restoration, enhancement, or protection of the environment where the regulatory process involves procedures for the protection of the environment.

NOW, THEREFORE, the Board of Directors of the Montecito Sanitary District does ordain as follows:

Section 1. The following ordinance is hereby adopted to read as follows:

I. Purpose

The purpose of this ordinance is to:

A. Insure that a fair and equitable system is established for providing sanitary sewer service to residents of the District and for collecting the revenues necessary to build, operate and maintain the District's collection, treatment, and disposal system.

B. Prohibit any person from making any connection to the District's sewer system that results in rainwater or stormwater being discharged into the District's sewer system.

C. Establish the District's requirements for pretreatment of industrial wastewater that the District determines is necessary to protect its treatment works or the health and safety of its employees or the environment.

D. Establish the District's authority to prevent entry of such industrial wastewater into the collection system and treatment works.

E. Require owners to conduct video inspections of private sewer laterals that discharge into the District sewer system in order to insure the proper maintenance and operation of the District's sewer system.

II. Definitions

Unless specifically defined below, words or phrases used in this ordinance shall be interpreted so as to give them the meaning they have in common usage and to give this ordinance its most reasonable application.

A. "Auxiliary structure" is any structure that is intended for any use other than a dwelling unit.

B. "Board" is the Board of Directors of the Montecito Sanitary District.

C. "District" is the Montecito Sanitary District.

D. "Dwelling unit" is defined as any structure/unit equipped with both food preparation (e.g. oven, cooking surface, microwave, etc.) and bathroom facilities that allows for independent living accommodations for one or more persons. Such units may exist as a house divided into more than one residence, a guest house, an attached or detached residential second unit, a studio, an apartment, a converted garage and/or any other structure attached to or separate from the principal dwelling unit on any parcel.

E. “General Manager” is the General Manager of the District or his or her designee.

F. “Industrial Wastewater” is any wastewater that is discharged, directly or indirectly, into the District’s sewer system, which is solid, liquid or gaseous waste and contains pollutants different from or stronger than or with constituents other than those normally included in domestic wastewater.

G. “Non-permitted connection” is any dwelling unit and/or auxiliary structure or portion thereof that has been connected to the District’s sewer system without the issuance of a valid connection permit by the District.

H. “Owner” is the property owner of record at the time of discovery of the non-permitted connection.

I. “Sewer System” is any portion of the District’s collection system, treatment works and/or disposal system.

III. Connection to Sewer System

A. No person shall make any connection or maintain any connection to the District sewer system or to a lateral connected to the District sewer system without obtaining a written permit from the District and paying all required fees and charges.

B. No person shall make any connection or maintain any connection to the District sewer system or to a lateral connected to the District sewer system that results in rainwater or stormwater being discharged into the District sewer system.

C. Once any dwelling unit and/or auxiliary structure on a parcel has been connected to the District’s sewer system, all dwelling units and/or auxiliary structures containing plumbing fixtures on that parcel must also be connected to the sewer system, and all on-site private disposal systems must be properly abandoned in accordance with the law.

IV. Capacity Rights

So long as capacity is available in the District sewer system, the District will provide sanitary sewer service to all existing and/or new dwelling units and/or auxiliary structures upon payment of all applicable fees and charges and issuance of a District sewer connection permit.

V. Non-Permitted Connection to Dwelling Unit and/or Auxiliary Structure

In the event a non-permitted connection to a dwelling unit and/or auxiliary structure exists, and the owner chooses to maintain the connection, owner shall be responsible for paying to District all current District fees and charges related to connecting to the District sewer system and shall be responsible for payment of the annual sewer service charge from the date of the non-permitted connection.

VI. Voluntary Compliance

Any owner that voluntarily discloses the existence of any non-permitted connection will not be charged fees and charges for any prior year's service charges. For such voluntary compliance, only current and future service charges and capacity fees will be imposed on the owner by the District.

VII. Refund Policy

If sufficient evidence is submitted to the satisfaction of the General Manager that incorrect service charges have been collected by the District, the overcharge shall be refunded to the owner at the time of the General Manager's determination, subject to the following limitations:

A. In no event shall an owner be eligible for a refund of service charges for a period of time in excess of three years from the date of the General Manager's determination.

B. Owner is only eligible to receive a refund for the amount overpaid by that owner and not for any amount overpaid by a previous owner. Documentation of the date of title transfer must be submitted by the owner to the District with any request for consideration.

VIII. Video Inspection of Private Laterals and/or On-site Private Collection Systems

A. District may require that an owner conduct video inspections of the private sewer lateral(s) and/or private on-site sewer collection systems that discharge into the District sewer system. Upon written notice from the General Manager, within 90 days owner shall complete the video inspection of owner's private sewer lateral and/or private on-site sewer collection system and provide a copy of the video to District. District shall provide owner with the names of companies that are qualified to provide the video inspection of the private sewer laterals. Owner may choose another company at owner's discretion.

B. In the event the video identifies any necessary repairs to the private lateral(s) and/or private on-site collection system, such repairs shall be undertaken at the owner's sole expense and completed within 90 days of receiving a written notice of repair from the District. Failure to comply with this provision may result in the imposition of civil penalties.

IX. Prohibition Concerning Discharge of Industrial Wastewater

A. No person may discharge any industrial wastewater into the District sewer system, whether from a private lateral, manhole, or other point of connection, without first obtaining written approval from the District to permit such industrial wastewater to enter the District sewer system. The District may require pretreatment, in a manner acceptable to the District, of any such industrial wastewater that the District determines may pose a substantial risk to the District sewer system or the proper and efficient operation thereof, or to the health or safety of its employees, or to the environment.

B. At any time while this Ordinance remains in effect, the District may adopt such requirements as it deems necessary to prevent the entry of industrial wastewater into the District sewer system.

C. Any person who violates any prohibition or requirement of the District pursuant to this section shall be subject to civil liability in accordance with Government Code Section 54740 *et seq.* The provisions of Section X Enforcement and Appeals of this Ordinance shall not apply in the event of a violation under this Section IX except to the extent that Section X is consistent with the statutory provisions of Government Code sections 54740.5 and 54740.6.

X. Enforcement and Appeals

A. Owner may appeal the General Manager's determination of any violation of this ordinance by requesting a review by the Board. At the Board hearing, the owner may present evidence to the Board as to why the alleged violation does not exist. Any hearing before the Board will require the preparation of written request for a hearing within 15 days after the final determination by the General Manager. If the owner does not request the hearing within the time allowed, the right to appeal the General Manager's determination shall be deemed waived.

B. The District will provide a final notice of determination explaining the decision of the Board and the required actions.

C. In the event any outstanding fees and charges are not paid in the manner ordered by the Board, such fees and charges will be added to the County tax roll for the property to be collected during the next fiscal year. In such instances, an additional administrative fee in the amount of \$300 will be added to the fees and charges.

Section 2. Findings

In adopting this ordinance, the District Board hereby finds as follows:

A. That the content of this ordinance is a necessary and proper regulation for all sanitary purposes and is not in conflict with the laws of the State of California.

B. That the adoption of this ordinance is necessary and proper for the complete exercise of the purposes contained in the Sanitary District Act of 1923.

C. The improper maintenance of private sewer laterals may result in a discharge of excessive amounts of water into the District's sewer system resulting in the potential inundation of the District's sewer system and may cause damage to the District's sewer system and treatment plant. Further, improper maintenance may result in sanitary sewer overflows sending untreated wastewater into the waters of the United States and causing public health problems and environmental damage.

D. The improper discharge of industrial wastewater, or failure to prevent such discharge, may result in damage to the District sewer system, to the health and safety of its employees, or to the environment.

Section 3. This Ordinance No. 12 repeals and supersedes Ordinance No. 9 and any other District ordinance, resolution, rule or regulations inconsistent herewith.

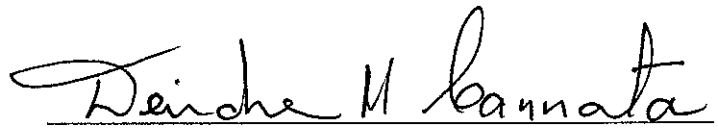
Section 4. If any chapter, article, section, subsection, subdivision, sentence, clause, phrase, or portion of this ordinance, or the application thereof to any person, is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance or its application to other persons. The District Board hereby declares that it would have adopted this ordinance and each chapter, article, section, subsection, subdivision, sentence, clause, phrase, or portion thereof, irrespective of the fact that any one or more chapters, articles, sections, subsections, subdivisions, sentences, clauses, phrases, or portions of the application thereof to any person, be declared invalid or unconstitutional. No portion of this ordinance shall supersede any local, State, or federal law, regulation, or code.

Section 5. Immediately following adoption, the Clerk shall cause this ordinance to be published one time in a newspaper of general circulation within the District. Ordinance No.12 was adopted on September 24, 2007, to become effective following its publication in a newspaper of general circulation.

AYES: Arnold, Cannata, Eidelson, Hovey, Ishkanian

NAYS: None

ABSENT: None



President

ATTEST:



Secretary



RESOLUTION NO. 2017-906

**RESOLUTION OF THE GOVERNING BOARD
OF THE MONTECITO SANITARY DISTRICT
AMENDING SECTION VIII OF RESOLUTION 2010-861 AND
REPEALING ALL PRIOR BOARD ACTION RELATED
TO ESTABLISHING FEE SCHEDULES**

WHEREAS the Governing Board of the Montecito Sanitary District adopted Resolution No. 1961-44 on May 29, 1961, titled “Standard Requirements for the Design and Processing of Private Contract Sewer Plans” (hereafter “the Standard Requirements”); and

WHEREAS the Standard Requirements include Section VIII (Fees); and

WHEREAS Section VIII (Fees) of the Standard Requirements has been revised by Board action in resolutions numbered 1982-610, 1985-642, 1990-675, 2004-816, and 2010-861 and other action as may be reflected in Board Minutes; and

WHEREAS the Governing Board desires to amend Section VIII (Fees) of Resolution No. 2010-861 and to repeal all prior Board action related to establishing fee schedules; and

WHEREAS information establishing the basis for increasing residential and non-residential sewer connection fees has been available to the public for at least ten days before the Governing Board’s October 9, 2017 meeting;

WHEREAS the Governing Board has heard and considered all objections and comments related to the information establishing the basis for increasing said fees;

NOW, THEREFORE, BE IT RESOLVED:

1. That all of the recitals contained in the preamble to this Resolution are true;
2. That the fee increases allowed and established by this Resolution are exempt from the California Environmental Quality Act, because they comply with subdivision (b)(8) of section 21080 of the Public Resources Code;
3. That as required by sections 50076 and 66016 of the Government Code, the Governing Board has determined that each fee prescribed in this Resolution does not exceed the estimated reasonable cost to provide the service for which the fee is charged and that no fee is levied for general revenue purposes; and
4. That Section VIII of Resolution No. 2010-861 is amended to read as hereinafter stated:

SECTION VIII – FEES

1. **Sewer Main Extension – Design Review and Plan Checking Fees** – Montecito Sanitary District (District) costs for design review, plan check, and site investigation shall be reimbursed by an applicant requiring a sewer extension permit. An applicant requiring these services shall make a deposit with the District in the following amount, based on the total lineal feet (L.F.) of the extension proposed for construction:

Less than 1,000 L.F.	\$1,725
1,000 L.F. to 3,000 L.F.	\$2,875
3,001 L.F. to 5,000 L.F.	\$4,025
Greater than 5,000 L.F.	\$5,175

Any unused amount of the deposit will be refunded to the applicant. A “per-hour rate” shall be charged against the deposit based on the District’s current hourly rate for staff member(s) assigned to the work. If total charges for actual District costs exceed the deposit, the applicant will be required to pay the additional costs before the permit is issued.

2. **Administrative Review Fees** – An applicant seeking review of a property or properties for a District “Sewer Availability” or “Letter of Certification” required by the County of Santa Barbara Planning and Development Department will pay these administrative fees:

Administrative Review – No MSD permit(s) required	\$ 85
Administrative Review – MSD permit(s) required	\$175

3. **Engineering Review Fees** – Engineering Review Fees must be paid by any applicant requiring an Engineering Review. Engineering Reviews may be required by the District or of the District by the County of Santa Barbara for a project, including, but not limited to, a lot line adjustment, condo conversion, subdivision, development of commercial property, and review of encroachment into a District easement. These review fees are:

Engineering Review – No MSD permit(s) required	\$175
Engineering Review – MSD permit(s) required	\$345

4. **Construction Inspection Fees** – Before granting a permit for the construction of a main line sewer and appurtenances, the District shall collect a deposit from an applicant to cover the actual cost to provide field inspection of the proposed construction. The amount of the deposit will be based on the estimated number of days of construction multiplied by the daily cost to the District to provide full time inspection.

Any unused amount of the deposit will be refunded to the applicant. If the deposit is exceeded by actual District costs, the applicant will be required to pay the additional costs before the permit is issued.

5. **Sewer Easement Processing Fee** – A privately constructed sewer main to be dedicated to the District must be located within an easement dedicated to the District. Said dedication requires payment of a sewer easement processing fee of \$2,300 for the first parcel and \$1,150 for each additional parcel.

6. **Reimbursement Project / Reimbursement Agreement Processing Fee** – When private construction of a sewer main to be dedicated to the District includes a request for a reimbursement agreement, said agreement is subject to an administrative processing fee deposit of \$865 and a deposit of adequate funds to reimburse the District the cost of a reimbursement analysis that is performed by an independent engineering firm.

7. **Agreement Processing Fees** – The District incurs costs to process customer agreements. These administrative fees apply to processing agreements between the District and a property owner:

Dedication Agreement for Sewer Facilities <i>(for the construction of sewer mains)</i>	\$2,300
License Agreement <i>(for encroachment into a District easement)</i>	\$5,750
Agreement for the Construction of Private Building Sewer	\$1,150
Crossing Two Adjacent Properties Agreement for Service to Condominiums	\$1,150
Residential Sewer Service Agreement for Private Pumping Station and Pressure Line Building Sewer	\$1,150
Residential Sewer Service Agreement <i>(For existing and new auxiliary structures/buildings)</i>	\$230
Accessory Dwelling Unit (ADU) Sewer Service Agreement	\$230
Termination of Residential Sewer Service Agreement <i>(For existing auxiliary structures that are converted into an ADU)</i>	\$115

8. **Connection Fees** – An owner seeking a connection of a parcel, building, or facility to the District’s sanitary sewer system (“System”) shall pay to the District a one-time connection fee based on the specifics of the connection, as defined in this section. The fee calculations are divided between new sewer connections and property improvements on connected parcels.

8.1 **New Sewer Connections** – Payments for new connections are required when a new connection to the System is established. The payment is based on the connecting customer type, and is divided between residential and non-residential customer classes. All connection fees are based on equivalent residential units (ERUs). **The charge per 1.0 ERU is set at \$8,400 as calculated for calendar year 2018.**

8.1.1 **Residential Sewer Connections** – A connection fee of 1.0 ERU is charged per residential dwelling unit of any type. A residential dwelling unit is defined as an independent living quarter with sleeping, bathroom, and cooking facilities, without regard for the number of bedrooms.

Auxiliary structures are buildings on single family dwelling parcels with indoor plumbing facilities, but without the capability of providing cooking facilities. An auxiliary structure is typically a guest house, pool cabana, art studio, workshop, gym, office, or similar use. Auxiliary structures connected to the System shall pay a connection fee of 0.31 ERU.

Residential dwellings include multi-family dwellings, such as apartments and condominium units. A single parcel may have residential and non-residential uses.

Connection fees for a parcel complex with multi-family dwellings and common areas are calculated as a combination of separate residential dwelling units, with each charged 1.0 ERU, plus non-residential common areas charged as described below.

8.1.2 Non-Residential Sewer Connections – The connection fee for all non-residential connections is calculated using a pro-rata 1.0 ERU, as specified herein and in accompanying tables.

The Montecito Water District (“MWD”) assigns a water base allotment to each parcel in the District’s service area. The calculation of the District connection fee shall be based on MWD’s Base Allotment¹ and the sewage strength classification associated with the customer class specified in Table 1 of this section, plus an administrative facility fee for the non-residential connection.

The connection fee for a non-residential sewer connection equals the calculated ERU for the parcel multiplied by the charge in dollars per ERU (\$8,400 per ERU in calendar year 2018).

The calculated ERU is determined by using MWD’s Water Base Allotment in HCF per month or gallons per day multiplied by the appropriate figure from Table 2 for the customer’s sewage strength provided in Table 1.

¹ The Base Allotment defines the basic water supply allocation to each MWD account.

TABLE 1
Categorical Sewage Discharge Strengths

Billing Classification	Strength Class (a)
Residential Dwelling Unit (1.0 ERU)	
Non-Residential	
Church	Low
Clubs	Low
Offices	Low
Laboratory or Doctor's Office	Med
Food Market	High
Barber and Beauty Shop	Low
Fire Station	Med
Other Commercial / Governmental	Low
Meeting / Convention Hall	Low
Hotel / Motel without Laundry	Low
Hotel / Motel with Laundry	Med
Park	Low
Food Serving Facility (restaurant, etc.)	High
School and Colleges without Residential Living	Low
Resident School Attendance (w/ living facilities)	Med
Auxiliary Structures	Varies
Service Station/Garage	Low
Water Treatment Process Wastewater	High

Med: Medium; Res: Residential; ERU: Equivalent Residential Unit

(a): The sewage strength assignments are based on California SWRCB guidelines

The District Engineer shall determine the sewage strength class for any parcel not provided in this Table.

TABLE 2
Wastewater Connection Fees per Unit of Water Demand

Customer Sewage Strength	ERU per GPD of Water Allocation	ERU per HCF/month of Water Allocation
Low Strength	0.0038	0.0941
Residential Strength	0.0047	0.1160
Medium Strength	0.0043	0.1049
High Strength	0.0047	0.1140
Administrative Facility Fee* (ERU per connection)		0.0064

ERU: Equivalent Residential Unit; GPD: Gallon Per Day; HCF: Hundred Cubic Feet.

Fees are based on a water use return to sewer ratio typical of the commercial and multi-family dwelling sewer connections.

There are 24.5 GPD to 1.0 HCF per month.

*\$8400 per ERU multiplied by 0.0064 ERU per connection equals \$53.76 in 2018.

8.2 **Connection Fees for Property Improvements on Connected Parcels** – Any connected parcel with a building or facility remodel, improvement, tear-down and rebuild, construction, expansion or new facility, or change in customer classification is deemed to be and defined as a property improvement. Whereas the District’s service capacity is determined by the land uses within its service area and the use of the District’s facilities may be affected by changes in existing customer property improvements, adjustments to the connection fee may be required when there is a property improvement to a connected parcel.

On any parcel connected to the System, any property improvement that results in (1) at least one additional plumbing “fixture unit”², and/or (2) an increase in bedrooms, and/or (3) an increase in the building area of more than 350 square feet shall first obtain a District connection permit and pay the connection fee to the District required by this section.

All building improvements requiring a connection permit shall pay a pro-rata connection fee equal to the fee for a new connection to the System of all existing and planned buildings and facilities on the parcel, less a credit for the amount in dollars of the sum of all previous connection fees paid to the District, based on District records.

8.3. **No Refund of Connection Fees** – If the District revokes a connection permit for failure to comply with permit conditions or requirements, the permit holder is not entitled to a refund or reimbursement of fees paid. No credit or refund will be made for any reduction in the number or type of connected buildings or facilities on any parcel. No credit or refund will be made for any reduction in the strength of the discharged sewage.

9. **Inflationary Adjustments to Section VIII - Fees** – Unit fees specified in Section VIII – Fees (excluding annual sewer service charges) shall be adjusted for inflation, from time to time.

The adjustment shall be made by multiplying each fee by a ratio of the Construction Cost Indexes applicable to the City of Los Angeles, as reported by *Engineering News-Record*, a McGraw-Hill periodical. The ratio of Indexes shall be determined by the percentage increase in the ratio between the year of the enactment of the existing fee and the current year. The product shall be rounded to the nearest five dollar increment.

Other adjustments of fees to recover District costs shall be made at the discretion of the Governing Board.

² “Fixture unit” is as defined by the Uniform Plumbing Code (UPC) for Drainage Fixture Unit Values (DFU).

10. **Inspection Fees** – A connection of any category requires payment of an inspection fee specified herein:

New/Replacement of Property Line Clean Out to Existing Lateral	\$175
Capping off (for demolition projects)	\$175
Reconnecting to Existing Lateral (for reconstruction projects)	\$175
Replacement of Existing Lateral within private property	\$345
Replacement of Existing Lateral up to the District main	\$575
New Lateral Connection/Construction to District Mainline	\$635

11. **Refundable Performance Deposits** – Work on a private lateral from the property line clean-out to the District’s mainline for any length lateral requires payment of a refundable performance deposit specified herein:

Replacement of only an existing property line clean out	No Cost
Repair to existing lateral and/or cap-off and reconnection of existing lateral within private property	\$1,150
Replacement and/or cap-off and reconnection of existing lateral within roadway	\$2,300
New lateral construction	\$3,450

12. **Annual Sewer Service Charges** – Annual sewer service charges are pro-rated and based on current approved annual service charge amounts from July 1 to date of issuance of a District connection permit or as appropriate for the type of connection. District Resolution No. 2016-897 (Sewer Service Charge), as amended, specifies applicable sewer service charges.

The District shall start collecting annual sewer service charges under Resolution 2016-897, as amended, when project construction is underway and staff has made the tie-in inspection of the lateral connection to the District mainline.

13. **Illegal/Non-Permitted Connections to District System** – The owner of a property with private facilities connected to the System without a District connection permit shall pay all applicable fees at a rate of one and a half times the current connection fee and two times the current inspection fee, which charges include the regular fee rates plus a penalty.

14. **Finalization of Connection Permits** – An applicant failing to finalize a connection permit as required by District rules and regulations is subject to these fees:

Final Inspection Not Performed <i>(District was not called out for final inspection)</i>	\$175
No Inspections Performed <i>(Work completed without inspection by District staff)</i>	\$575

If a permit is three or more years old and has not been finalized because of “no-response” from the property owner or contractor and if the construction is completed, the owner shall forfeit the entire amount of the Refundable Performance Deposit. If the lateral tie-in does not comply with District’s Standard Specifications, the District shall hire a contractor to complete and/or repair the work. If the deposit is exceeded by actual District cost, the owner shall pay the additional cost.

15. **Extension/Cancellation of Connection Permits** – District connection permits are valid for one year from date of issuance. The Permit will remain open during the time of the construction project. If no work has begun on a property after one year, the property owner may submit a written request to extend or cancel the connection permit and pay these fees from the Refundable Performance Deposit to process the request:

First request for a one-year extension of a connection permit	\$115
Second and Final Request for a one-year extension of a connection permit	\$230
Request for cancellation of connection permit	\$575

PASSED AND ADOPTED by the Governing Board of the Montecito Sanitary District this 9th day of October 2017, to become effective January 1, 2018, by the following vote:

- AYES:
- NAYS:
- ABSTAIN:
- ABSENT:

Robert Williams, President of the Governing Board of the Montecito Sanitary District

ATTEST:

Warner B. Owens, Secretary of the Governing Board of the Montecito Sanitary District





Memorandum

*To: Diane Gabriel, P.E., General Manager
Montecito Sanitary District*

From: Grant Hoag, P.E.

Date: May 3, 2010

Subject: Montecito Sanitary District Updated Connection Fees

The purpose of this memo is to document the assumptions, findings and conclusions of our update of the Montecito Sanitary District (MSD) connection fees. The existing connection fee is \$3,250 per equivalent residential unit (ERU); it was enacted in 2004. The MSD service area is nearly built out, but has existing but unused capacity for a limited number of new residences and commercial businesses.

Using the capacity available for new sewer connections, and the existing investment in system-wide facilities, we recommend that the existing connection fee be increased to \$7,320 per ERU. This new fee is calculated from the capital asset investments made by the District to develop capacity in the wastewater system for the benefit of future customers. The new fee will reimburse existing customers for their investments in the MSD facilities that has remaining capacity that is available to future customers. With this fee, which has been calculated consistent with State Government Codes, any future customer growth will “pay for itself” without being a burden on existing customers.

We also recommend that, based on the findings of this study, a schedule of new connection fees be enacted for future non-residential customers using their connected water demand levels. Finally, we recommend that the updated fee be increased periodically based on the inflationary escalations in facility construction costs.

The study findings are based on the analysis in the attached tables. The tables summarize MSD system capacities and the value of capital assets as of 6/30/09, and identify the following values:

- Connection fees defined in dollars per equivalent residential unit (ERU); and
- Connection fees based on ERUs per unit of water demand associated with sewage discharged from low, medium, and high sewage strength commercial dischargers.

Background

MSD is required by state law to provide sewer services to all new development. In addition to future development of residential parcels and increases in services at existing commercial businesses, there are at least 350 unsewered residences within the service area on septic systems; many located adjacent to existing sewer pipelines. MSD has a policy of supporting the sewer system hook-ins for these residences, but requires that “growth pay for itself,” and that the connection fee be set at a level that can compensate existing customers for their investment in conveyance and treatment facility capacity that will be available for new customers seeking to connect to the system. This connection fee is calculated from the value of the MSD facilities that are available to serve new connections.

MSD Resolution 2004-816 provides the current connection fees. As shown below, the fees are based on a variety of customer types; typical connection fee classes are provided below:

<u>Connection Type</u>	<u>Billing Unit</u>	<u>Charge</u>
Single family residence	Dwelling Unit	\$3,250
Clubs, Halls	Member average daily attendance (ADA)	\$200 to \$325
Commercial (low to high strength sewage)	Employee ADA	\$200 to \$875
Schools (day or resident)	Student ADA	\$245 to \$875
Restaurant	Seat	\$435

In addition to the connection fee, MSD also charges new hookups for construction inspection and requires a performance bond deposit.

Connection Fee Calculation Guidelines

California Government Code Sections 66000 - 66024 enacted by Assembly Bill 1600 are the primary regulations applicable to the development and recovery of connection fees. These regulations are applicable only to cities with statutory authority to regulate growth. As such, MSD is not restricted by government code for the determination of connection fees. For cities regulated by this code, the three key requirements are:

- There must be a nexus between the facility costs and the connection fees.
- The proceeds of the connection fees must be segregated from other funds.
- The revenues must be “committed” to a project within five years of receipt.

Although MSD is not legally required to comply with these connection fees codes, it is recommended that the calculation be consistent with these methods. As such, the calculations described below are based on the nexus between fee amounts and MSD capital values.

Calculation Methodology

There are two methods available to utilities for developing connection fees that recover the cost of capacity available for new service. These are the Average Cost Buy-in and the Incremental Growth-Related Cost methods. The later method is appropriate only for utilities that have significant expansion-related capital projects. Since MSD has limited unused capacity, and because there are no planned expansion projects, calculation of connection fees using the Average Cost Buy-in Method is used herein. This method is particularly appropriate for utilities serving near built-out communities, and is based solely on the value of existing assets.

With the proposed Average Cost Buy-in Method, connection fees are based on the average existing investment per connection. In this study the investment is calculated from the replacement value of the existing fixed assets, less the depreciation. This analysis has escalated the original cost of the fixed assets by the regional index for construction cost inflation, and calculates the new replacement value of assets; the facility values identified herein are based on the replacement cost new less depreciation (RCNLD) of the fixed assets. In addition to the fixed asset value of the system facilities, MSD's cash assets are also included in the value of a new connection. Connection fees are based solely on asset values, and exclude operating costs.

The values of MSD's fixed and cash assets are divided by the system customers to determine the unit value of each connection fee. A single unit value of the fixed assets is based on the system's build-out capacity, while the unit value of MSD's cash assets is based on the number of existing customers.

Connection fees are imposed only upon new customers. Without a usage history for these new customers, MSD must base the connection fee on the anticipated burden the new customer will place on the system. An effective and popular method for estimating the burden is to calculate the total flow capacity of the system based on the maximum number of equivalent residential units (ERUs) that can be served.

Once that unit cost per residential ERU is developed, it can be extended to non-residential customers. This is done by allocating a unit of ERU load to its components of flow, sewage strength and administration facilities. The estimated sewage discharge flows are proportional to water demands using a water returned to sewer ratio, and the wastewater strength is based on customer classifications. As such, a wastewater connection fee is defined for new non-residential customers based on their class and indoor water demand levels.

Connection Fee Schedule Development

The calculations of ERU values are presented in Tables 1 through 7, plus Appendix A. The calculations result in proposed connection fee schedules. Each table and calculation step is described below.

Table 1 MSD Sewer Service Capacity

The purpose of Table 1 is to identify the average customer discharge capacity of the sewer system based on flows and loadings. In April 2009, instantaneous peak headwork flows exceeded 1.75 MGD, while the MSD rated plant capacity of 1.5 MGD of average annual flows. The average annual influent flows in 2009 were 0.829 MGD.

As shown in Table 1, average monthly customer discharges in 2009 were 0.782 MGD, with collection system inflow and infiltration (I/I) during the rainy season increasing average flows and suspended solids loading at the treatment plant headworks. MSD capacity, excluding the facilities' handling I/I loading, is 0.415 MGD, 3,286 pounds per day (ppd) of biochemical oxygen demand (BOD), and 3,659 ppd of total suspended solids (TSS). Based on this system capacity, divided by the average discharge from a single-family dwelling, the MSD system has an equivalent residential capacity of 7,684 ERUs.

Table 2 MSD Fixed Asset Value

The purpose of Table 2 is to summarize MSD's existing fixed asset values. As shown, based on 445 different assets listed in Appendix A, the current replacement cost new less depreciation (RCNLD) of the fixed assets is \$56 million. The replacement cost of the entire system is \$122 million, and the accumulated depreciation is \$66 million. The subsurface pipeline value is the most significant MSD asset, with the original cost of \$20 million now exceeding a replacement value of \$98 million. Due to the 75 year life of these pipes, the RCNLD value of pipes is \$46 of the \$56 million for the entire MSD system.

Table 3 MSD Updated Connection Fee

The connection fee is calculated by dividing MSD assets by the system capacity identified in Table 1. In addition to the net fixed asset value of \$56 million provided in Table 2, MSD also has debt principal outstanding of \$14.8 million, and appropriated but unspent bond proceeds of \$6.2 million that have been allocated to facility project construction. As such, net fixed asset value is \$47.5 million, and the unit facilities fee is \$6,185 per ERU. The total cash reserves are \$4.8 million; with current customers of 4,247 ERUs the unit cash asset fee is \$1,141 per ERU. Combined, the total asset value for future growth is \$7,326 per ERU. We recommend that this connection fee be rounded to \$7,300 per ERU for administrative convenience. In the following tables this charge is allocated among wastewater loading units to calculate a connection fee for new non-residential customers.

Table 4 MSD Fixed Asset Allocations

The purpose of Table 4 is to calculate how the net asset values are allocated among the wastewater discharge loading categories. These loading categories are wastewater flows, BOD and TSS loads, and account-based administration facilities. As shown, for each asset class (i.e. treatment, solids disposal etc) a cost-causative function is identified for the loading categories. This cost-causative process is used for facilities to recognize the relationship between the costs of a facility and the load factors causing the costs. As shown, all conveyance facilities are allocated to flows, as is 26 percent of the treatment plant. The result is that 92 percent is assigned to the flow-based loads of new customer connections, with the remaining value allocated primarily to sewage strength.

Table 5 MSD Fixed Assets Allocations & Equivalent Residential Unit Values

The purpose of Table 5 is to identify the load amount per loading category for 1.0 ERU, and the value per unit of each load. As shown, the loads of 1.0 ERU are allocated among the categories of wastewater flows, BOD and TSS loads, and administration facility. This allocation is based on the allocation of system values to categories developed in the prior table, and the MSD loading capacities developed in Table 1. As shown, 92 percent of the value per 1.0 ERU, or \$6,752, is allocated to flow. Also developed is that this flow-based value is equal to \$36 per gallon per day (GPD) of estimated 189 GPD of wastewater discharge from 1.0 ERUs. The table also provides ERU loading units (and unit connection rates) for BOD, TSS and new accounts. For example, 1.0 ERU has 0.36 pounds per day (ppd) of BOD and for TSS, with a connection fee value of \$728 per ppd for both. The value per ERU for the administration facility is \$47.

Table 6 MSD Commercial Connection Fees

The purpose of Table 6 is to tabulate the calculated wastewater connection fee ERU's based on indoor water demands of new customers by class. As shown, we recommend that a new non-residential low to high-strength customers be charged from 0.0038 to 0.0047 ERUs per gpd of indoor water demand, in addition to a flat fee of 0.0064 ERUs per connection for the administrative facilities fee. At the calculated fee of \$7,326 per ERU, these unit rates equal \$28 to \$34 gpd of indoor water demand. As provided in the following section, the non-residential unit connection fees should be periodically updated for inflationary escalations, and can be enacted as units of an ERU to simplify the adjustment process.

Also shown in the table is the unit connection fee for residential strength discharges of 0.0047 ERUs per gpd of indoor water demand, based on a 90 percent return to sewer ratio. This value is provided for charges to single-family dwelling estates on residential parcels which have anticipated loads on the system significantly in excess of typical single-family dwelling residence parcels.

Diane Gabriel, P.E.
May 3, 2010
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Note also that in addition to the flow-based charges, all new connections must also pay a one-time administrative facilities fee for the value of the MSD administrative headquarters facility. However, the standard rate for 1.0 ERU is based on the inclusion of that administrative facility fee.

Table 7. Updating of Connection Fees for Inflation

The purpose of Table 7 is to provide tabulated values for MSD Resolution No. 2010-856 Section VIII-Fees Subsection 5 Connection Fees. As shown in the table, all connection fees are listed in ERU billing “units.” This is done to simplify periodic updating of the connection fee based on inflationary escalations, without having to modify the table itself. This potential clause in the MSD resolution, as drafted by the Vallejo Sanitation & Flood Control District, is written as:

This [resolution] shall be updated annually on or about the first day of January by an adjustment of all fees contained herein, as set forth below. Said annual adjustment shall, at a minimum, be made by multiplying each fee included in this ordinance by the ratio of the ENR construction Cost Index of [Los Angeles] of the current October, as reported by Engineering News-Record, the McGraw-Hill Construction Weekly. The result of said multiplications shall be rounded to the nearest five dollar (\$5.00) increment to become the fee amounts for the ensuing year, effective sixty (60) days after adoption of the revised fee amounts. Additional increases in the connection fees necessary to recover costs of projected capital improvements shall be at the discretion of the Board of [Directors]. Notwithstanding the foregoing, this section shall not preclude the Board of [Directors] from time-to-time changing the ordinance or adopting fees other than those as provided herein to be effective on any other date.

Under separate cover MSD has been provided with three sample wastewater connection fee resolutions and ordinances enacted by California wastewater districts with treatment capacity, including two with provisions for inflationary escalations based on the Construction Cost Index of the Engineering News Record (ENRCCI). The text shown above is taken from one of the ordinances.

Attachments: Tables 1-7, Appendix A

Table 1
MSD Sewer Service Capacity

Billing Classifications	Dwellings	Accounts	Parcels	Flow (mgd)	BOD (lbs/day)	TSS (lbs/day)	ERU
Residential Accounts							
Single-family Dwelling	2,290	2,290	2,290	0.432	829	829	2,290
Other (Condos etc)	1,413	710	710	0.128	246	246	678
Subtotal	3,703	3,000	3,000	0.560	1,075	1,075	2,968
	Avg. Water Use (Hcf/year)						
Non-residential Accounts							
Low Strength	25,255	57	21	0.039	47	47	199
Medium Strength	107,875	43	19	0.166	574	806	975
High Strength	10,228	3	2	0.016	118	92	98
Residential SFD		8	6	0.001	2	2	6
Condo and 2nd Dwellings		1	2	0.000	0	0	0.4
Subtotal	143,358	112	50	0.222	741	947	1,278
Non-residential Water Use Returned to Sewer				75%			
Annual Avg Connection Discharges		3,112	3,050	0.782	1,816	2,022	
Average Inflows				0.047		1,358	
Total 2009 average flows and influent strengths				0.829	1,816	3,380	4,247
Plant Capacity				1.500	3,286	6,117	
Plant Capacity Excluding Inflows				1.415	3,286	3,659	7,684

Source: MSD Accts and Revenues Data - 5156 Montecito Tax Roll and MSD Fees for Commercial accounts in FY 2008-09

Table 2
MSD Fixed Asset Value

Description	Lift Stations	Subsurface	Treatment	Disposal	Admin	Total
Number of Assets	69	138	194	5	39	445
Original Cost	\$2,440,747	\$19,618,641	\$8,394,351	\$532,467	\$496,499	\$31,482,704
Depreciation	\$588,791	\$7,219,636	\$3,629,221	\$350,700	\$262,586	\$12,050,935
Original Cost Less Depreciation	\$1,851,956	\$12,399,005	\$4,765,129	\$181,767	\$233,913	\$19,431,770
Replacement Cost New	\$3,556,894	\$98,026,578	\$16,575,454	\$3,066,321	\$765,954	\$121,991,201
Depreciation	\$1,313,508	\$52,359,730	\$9,796,628	\$2,001,504	\$430,719	\$65,902,090
Replacement Cost New Less Depreciation	\$2,243,385	\$45,666,848	\$6,778,826	\$1,064,817	\$335,235	\$56,089,111

In 2004 the total asset value was \$45 million.

Values are as of 6/30/09. The fixed asset valuation calculations are included in Appendix A.

Table 3
MSD Updated Connection Fee

Description	Value
System Value (RCNLD, 6/30/09)	
Admin	\$335,235
Collection (lift stations)	\$2,243,385
Solids (disposal)	\$1,064,817
Subsurface (pipelines)	\$45,666,848
WWTP (treatment)	\$6,778,826
Grand Total Fixed Assets	\$56,089,111
Less Bond Principal Outstanding	(\$14,790,000)
Subtotal	\$41,299,111
Plus Unspent Bond Proceeds for Projects	\$6,225,318
Total Asset Value	\$47,524,429
Build Out Customers (ERUs)	7,684
Facilities Fee (\$/ERU)	\$6,185
Total Cash (3/31/10)	
Reserve funds with LAIF	\$1,620,494
Deprecation fund with SB County	\$1,217,149
Cash with SB County	\$2,006,633
Total Cash	\$4,844,276
Current Customers (ERUs)	4,247
Cash Assets Fee (\$/ERU)	\$1,141
Net System Value (6/30/09)	
	\$52,368,705
Facilities Fee (\$/ERU)	\$6,185
Liquid Assets Fee (\$/ERU)	\$1,141
Updated Connection Fee (\$/ERU)	\$7,326
Recommended Connection Fee (\$/ERU)	\$7,300
Current Connection Fee	\$3,250

Table 4
MSD Fixed Asset Allocations

Description	Lift Stations	Subsurface	Treatment	Disposal	Administration	Total
Fixed Asset Value	\$2,243,385	\$45,666,848	\$6,778,826	\$1,064,817	\$335,235	\$56,089,111
Plus Unspent Bond Proceeds	\$1,037,553	\$1,037,553	\$4,150,212			\$6,225,318
Less Bonds Outstanding	(\$1,479,000)	(\$4,437,000)	(\$8,874,000)			(\$14,790,000)
Net Asset Value	\$1,801,938	\$42,267,401	\$2,055,038	\$1,064,817	\$335,235	\$47,524,429
Unit Value per Build-out ERU	\$235	\$5,501	\$267	\$139	\$44	\$6,185
Plus Cash (excluding bond proceeds)						
Reserve funds with LAIF	\$540,165	\$540,165	\$540,165			\$1,620,494
Deprecation fund (SB County)	\$405,716	\$405,716	\$405,716			\$1,217,149
Cash with SB County	\$76,084	\$1,784,664	\$86,770	\$44,960	\$14,155	\$2,006,633
Total Cash	\$1,021,965	\$2,730,545	\$1,032,651	\$44,960	\$14,155	\$4,844,276
Unit Value per Current ERUs	\$241	\$643	\$243	\$11	\$3	\$1,141
Net Value	\$475	\$6,144	\$511	\$149	\$47	\$7,326

Allocations to Loading Categories (a)

						Allocations	
Flow	100%	100%	26%	0%	0%	92.2%	\$6,752
BOD	0%	0%	37%	50%	0%	3.6%	\$264
TSS	0%	0%	37%	50%	0%	3.6%	\$264
Accounts	0%	0%	0%	0%	100%	0.6%	\$47
Total (%)	100%	100%	100%	100%	100%	100%	\$7,326

a. Source: Table 3-2, 2008 Rate Study

Table 5
MSD Fixed Assets Allocations & Equivalent Residential Unit Values

Loading Category	Net Allocated Value	Units	Unit Connection Rate	1.0 ERU Loading	1.0 ERU Value
Flow	\$48,265,500	GPD WW	\$36	189	\$6,752
BOD	\$1,883,747	ppd	\$728	0.36	\$264
TSS	\$1,883,747	ppd	\$728	0.36	\$264
Accounts	<u>\$335,711</u>	Account	\$47	1.00	<u>\$47</u>
Total	\$52,368,705				\$7,326

ppd: Pound per day; GPD WW: gallons per day of wastewater discharge

Table 6
MSD Commercial Connection Fees

Non-residential Connection	Sewage Flow (GPD)	Capacity		Fee (\$ per WW GPD)	Water Use Returned to Sewer	Fee (\$ per Wtr GPD, a)	Fee (ERU per GPD of Water Demand, a)
		BOD (ppm)	TSS (ppm)				
Low Strength	1.00	144	145	\$38	75%	\$28	0.0038
Residential Strength	1.00	230	230	\$39	90%	\$35	0.0047
Medium Strength	1.00	415	583	\$42	75%	\$31	0.0043
High Strength	1.00	900	700	\$45	75%	\$34	0.0047
Administration Facility Fee						<u>ERU per Connection</u> \$47	0.0064
Residential Dwelling	189	230	230			<u>Fee (\$/ERU)</u> \$7,326	

a. Commercial connection fee is based on water demand (GPD), not wastewater discharge, using a return to sewer ratio of 75 percent.

Table 7
MSD Wastewater Connection Fees

Customer Sewage Strength	Unit Connection Fee (ERU per estimated GPD of Water Demand)
Low Strength	0.0038
Residential Strength	0.0047
Medium Strength	0.0043
High Strength	0.0047
	ERU per Connection
Administrative Facility Fee	0.0064
Residential Dwelling (1.0 ERU)	\$7,300

ERU: Equivalent Residential Unit; GPD: Gallon per Day
1.0 ERU includes the administrative facility fee, while the fee per GPD does not.

Appendix A

MSD Fixed Assets & Depreciation: Original and Replacement Cost Valuation

Asset Number	Fac Desc	Description	Updated Life	Yr in Service	Original Cost (OC)	FY 08-09 Depreciation	Original Cost Less Depreciation (OCLD)	Service Year ENRCCI/SF	2009 Replacement Cost (RC)	RC Depreciation	2009 RC/NLD
ADMIN004	Admin	bidg addition	50	1976	\$28,851	\$577	\$10,387	2,920	\$96,443	\$1,929	\$32,790
ADMIN001	Admin	vault	50	1976	\$7,213	\$144	\$2,596	2,920	\$24,111	\$482	\$8,198
ADMIN003	Admin	building	50	1984	\$43,517	\$870	\$22,628	5,260	\$80,756	\$1,615	\$40,378
ADMIN002	Admin	bidg addition	50	1988	\$124,651	\$2,493	\$74,790	5,771	\$210,840	\$4,217	\$122,287
ADMIN040	Admin	repaving monte cristo road	25	1988	\$13,693	\$548	\$2,738	5,771	\$23,160	\$926	\$3,706
ADMIN038	Admin	office furniture	24	1988	\$2,267	\$0	\$0	5,771	\$3,834	\$160	\$479
ADMIN036	Admin	office furniture	23	1989	\$1,487	\$0	\$0	5,790	\$2,507	\$109	\$327
ADMIN010	Admin	hp laserjet iip printer	22	1990	\$1,335	\$0	\$0	5,995	\$2,173	\$99	\$296
ADMIN007	Admin	hardware/software	15	1996	\$6,185	\$0	\$0	6,558	\$9,206	\$614	\$1,227
ADMIN033	Admin	carpet office	50	1996	\$2,575	\$52	\$1,957	6,558	\$3,832	\$77	\$2,836
ADMIN039	Admin	office furniture	14	1996	\$9,556	\$0	\$0	6,558	\$14,222	\$1,016	\$1,016
ADMIN014	Admin	Software	11	1999	\$1,894	\$0	\$0	6,826	\$2,709	\$246	\$246
ADMIN012	Admin	Telephone system	10	2000	\$11,015	\$0	\$0	7,068	\$15,211	\$1,521	\$1,521
ADMIN009	Admin	laserjet printer	9	2001	\$1,103	\$138	\$138	7,227	\$1,490	\$166	\$166
ADMIN008	Admin	HP designjet plotter	9	2001	\$6,439	\$805	\$804	7,227	\$8,697	\$966	\$966
ADMIN006	Admin	computer	9	2001	\$2,031	\$0	\$0	7,227	\$2,743	\$305	\$305
ADMIN013	Admin	autocad desktop	9	2001	\$3,598	\$0	\$0	7,227	\$4,859	\$540	\$540
ADMIN045	Admin	Software	7	2003	\$19,255	\$0	\$0	7,532	\$24,954	\$3,565	\$3,565
ADMIN046	Admin	Software	7	2003	\$1,366	\$0	\$0	7,532	\$1,770	\$253	\$253
ADMIN047	Admin	MAP Guide Software	7	2003	\$30,935	\$0	\$0	7,532	\$40,091	\$5,727	\$5,727
ADMIN049	Admin	Table & chairs	10	2003	\$2,116	\$212	\$1,058	7,532	\$2,742	\$274	\$1,097
ADMIN015	Admin	Operating system	7	2003	\$3,225	\$0	\$0	7,532	\$4,180	\$597	\$597
ADMIN048	Admin	Refrigerator	10	2003	\$1,017	\$102	\$509	7,532	\$1,318	\$132	\$527
ADMIN050	Admin	Alcove enclosure	10	2003	\$4,018	\$402	\$2,009	7,532	\$5,207	\$521	\$2,083
ADMIN053	Admin	Computer	6	2004	\$1,935	\$387	\$0	8,192	\$2,306	\$384	\$384
ADMIN052	Admin	Laptop	6	2004	\$2,184	\$437	\$0	8,192	\$2,602	\$434	\$434
ADMIN051	Admin	Projector	6	2004	\$1,769	\$354	\$0	8,192	\$2,108	\$351	\$351
ADMIN056	Admin	ENERGY EFFICIENT LIGH	10	2005	\$8,981	\$898	\$5,389	8,567	\$10,232	\$1,023	\$6,139
ADMIN054	Admin	BOARD ROOM REFURBISI	10	2005	\$7,981	\$798	\$4,789	8,567	\$9,093	\$909	\$5,456
ADMIN055	Admin	COMPUTERS & SOFTWAR	6	2005	\$4,049	\$810	\$809	8,567	\$4,613	\$769	\$1,538
A-2006.2	Admin	BOARD ROOM FURNITUR	10	2005	\$5,864	\$586	\$4,246	8,567	\$6,681	\$668	\$4,009
A-2006.1	Admin	SOFTWARE UPGRADE	3	2006	\$5,335	\$1,778	\$1,387	8,879	\$5,865	\$1,955	\$0
A-2006.3	Admin	GIS BROWSER ENHANCE	3	2006	\$24,467	\$8,156	\$6,117	8,879	\$26,898	\$8,966	\$0
A-2007 1	Admin	NEW DELL SERVER	7	2006	\$8,655	\$1,443	\$6,010	8,879	\$9,515	\$1,359	\$5,437
A-2008-3	Admin	GIS / SCADA	6	2007	\$6,701	\$1,340	\$5,361	9,182	\$7,124	\$1,187	\$4,749
A-2008-2	Admin	Telephone/Software Upgrad	7	2007	\$21,814	\$3,116	\$18,698	9,182	\$23,191	\$3,313	\$16,565
A-2008-1	Admin	Computer/Software Upgrade	6	2007	\$22,899	\$4,580	\$18,319	9,182	\$24,343	\$4,057	\$16,229
A-2007 2	Admin	NEW DELL W/S - McCaleb	6	2007	\$1,250	\$250	\$979	9,182	\$1,329	\$221	\$886
CIP	Admin	PLANT ELECTRICAL CONT	40	2008	\$43,274	\$1,082	\$42,192	9,823	\$43,000	\$1,075	\$41,925
COLL035	Collection	Pump Sta. #1	75	1961	\$25,500	\$340	\$9,520	935	\$266,178	\$3,549	\$95,824
COLL036	Collection	Pump Sta. #2	75	1961	\$17,000	\$227	\$6,347	935	\$177,452	\$2,366	\$63,883
COLL037	Collection	Pump Sta. #3	75	1961	\$16,000	\$213	\$5,973	935	\$167,014	\$2,227	\$60,125
COLL038	Collection	Pump Sta. #4	75	1961	\$25,500	\$340	\$9,520	935	\$266,178	\$3,549	\$95,824
COLL042	Collection	Rodding machine	32	1982	\$13,390	\$0	\$0	4,934	\$26,490	\$828	\$4,139
COLL008	Collection	Car #3-dump truck -int'l	28	1985	\$10,775	\$431	\$862	5,447	\$19,309	\$690	\$2,758
COLL058	Collection	Vehicle Hoist (one-half)	24	1988	\$2,205	\$0	\$0	5,771	\$3,730	\$155	\$466
COLL039	Collection	Fairbanks Morse 4" Base pu	25	1988	\$3,801	\$152	\$760	5,771	\$6,429	\$257	\$1,029
COLL060	Collection	Winch with tripod	22	1990	\$1,655	\$0	\$0	5,995	\$2,695	\$122	\$367
COLL063	Collection	Portable generator	21	1990	\$18,900	\$0	\$0	5,995	\$30,775	\$1,465	\$2,931
COLL056	Collection	Truck mounted hoist car #3	20	1991	\$3,108	\$0	\$0	6,090	\$4,982	\$249	\$498
COLL019	Collection	Hydrojet w/trailer	20	1991	\$43,957	\$0	\$0	6,090	\$70,452	\$3,523	\$7,045
COLL041	Collection	Portable pump(on trailer)1/2	25	1991	\$4,223	\$169	\$1,351	6,090	\$6,769	\$271	\$1,895
COLL022	Collection	Lift station alarm system	20	1991	\$12,835	\$0	\$0	6,090	\$20,571	\$1,029	\$2,057
COLL057	Collection	Topo maps	19	1992	\$4,500	\$0	\$0	6,349	\$6,919	\$364	\$728
COLL059	Collection	Water truck #8-Yard	19	1992	\$53,556	\$0	\$0	6,349	\$82,343	\$4,334	\$8,668
COLL023	Collection	LS#4 force main valve vault	50	1992	\$11,020	\$220	\$7,493	6,349	\$16,943	\$339	\$11,183
COLL049	Collection	steam cleaner-plant	18	1993	\$1,347	\$0	\$0	6,478	\$2,030	\$113	\$226
COLL018	Collection	Grimmer schmidt#125 comp	18	1993	\$9,937	\$0	\$0	6,478	\$14,973	\$832	\$1,664
COLL013	Collection	double throw safety switch	18	1993	\$4,611	\$0	\$0	6,478	\$6,948	\$386	\$772
COLL021	Collection	Kaye dialog plus 8 channel x	17	1994	\$1,786	\$0	\$0	6,533	\$2,668	\$157	\$314
COLL055	Collection	Trailer mounted generator	17	1994	\$10,182	\$0	\$0	6,533	\$15,214	\$895	\$1,790
COLL032	Collection	Portable generator	17	1994	\$29,244	\$0	\$0	6,533	\$43,694	\$2,570	\$5,140
COLL007	Collection	Car #2-1994 chevy truck	17	1994	\$18,716	\$1,248	\$1,248	6,533	\$27,963	\$1,645	\$3,290
COLL017	Collection	Gas detector -yard	15	1995	\$2,448	\$0	\$0	6,526	\$3,661	\$244	\$244
COLL020	Collection	jetstream maint software	17	1995	\$9,698	\$647	\$1,293	6,526	\$14,504	\$853	\$2,560
COLL010	Collection	cement mixer w/hitch	14	1996	\$1,934	\$161	\$0	6,558	\$2,879	\$206	\$206
COLL046	Collection	smoke blower	14	1996	\$1,217	\$0	\$0	6,558	\$1,811	\$129	\$129
COLL048	Collection	standby pump - l/s #2	25	1997	\$4,439	\$178	\$2,486	6,664	\$6,503	\$260	\$3,382
COLL047	Collection	standby generator l/s #4	25	1997	\$34,660	\$1,386	\$19,410	6,664	\$50,772	\$2,031	\$26,401
COLL050	Collection	storage facility covering	50	1997	\$8,428	\$169	\$6,574	6,664	\$12,346	\$247	\$9,383
COLL061	Collection	1998 Dodge Truck	11	1999	\$29,223	\$0	\$0	6,826	\$41,788	\$3,799	\$3,799
COLL044	Collection	Sewer mains	75	2001	\$56,255	\$750	\$51,005	7,227	\$75,981	\$1,013	\$67,876
COLL004	Collection	ADAS for L/S	11	2001	\$6,513	\$651	\$1,954	7,227	\$8,797	\$800	\$2,399

Appendix A

MSD Fixed Assets & Depreciation: Original and Replacement Cost Valuation

Asset Number	Fac Desc	Description	Updated Life	Yr in Service	Original Cost (OC)	FY 08-09 Depreciation	Original Cost Less Depreciation (OCLD)	Service Year ENRCCI/SF	2009 Replacement Cost (RC)	RC Depreciation	2009 RC/NLD
COLL026	Collection	multiranger plus	11	2001	\$2,126	\$213	\$638	7,227	\$2,871	\$261	\$783
COLL051	Collection	Portable pumps	25	2001	\$4,976	\$199	\$3,583	7,227	\$6,720	\$269	\$4,570
COLL053	Collection	Tools	11	2001	\$6,400	\$640	\$1,920	7,227	\$8,644	\$786	\$2,357
COLL014	Collection	Elec upgrade L/S#4	25	2001	\$23,421	\$937	\$16,864	7,227	\$31,634	\$1,265	\$21,511
COLL031	Collection	portable crane	12	2002	\$1,407	\$117	\$703	7,403	\$1,855	\$155	\$773
COLL003	Collection	4 veh. Radios/antennas	8	2002	\$2,250	\$321	\$321	7,403	\$2,967	\$371	\$371
COLL065	Collection	2002 Dodge Dakota	9	2002	\$14,773	\$1,847	\$3,694	7,403	\$19,479	\$2,164	\$4,329
COLL067	Collection	Gas detector-replace	10	2003	\$1,867	\$0	\$0	7,532	\$2,420	\$242	\$968
COLL068	Collection	Equipment/tool replace	10	2003	\$2,120	\$0	\$0	7,532	\$2,747	\$275	\$1,099
COLL066	Collection	Computer hardware	7	2003	\$3,526	\$0	\$0	7,532	\$4,570	\$653	\$653
COLL071	Collection	SCBA's	10	2003	\$17,248	\$0	\$0	7,532	\$22,353	\$2,235	\$8,941
COLL072	Collection	Push camera	10	2003	\$8,997	\$0	\$0	7,532	\$11,660	\$1,166	\$4,664
COLL064	Collection	Van Inspection System	12	2003	\$88,161	\$7,347	\$51,428	7,532	\$114,255	\$9,521	\$57,127
COLL062	Collection	Combo truck	12	2003	\$149,006	\$11,388	\$92,068	7,532	\$193,108	\$16,092	\$96,554
COLL069	Collection	Confined space equip	10	2003	\$4,961	\$0	\$0	7,532	\$6,429	\$643	\$2,572
COLL073	Collection	Auto dialers-LS #3&4	10	2004	\$4,676	\$468	\$2,338	8,192	\$5,571	\$557	\$2,786
COLL074	Collection	L/S Gas detection	10	2004	\$4,660	\$466	\$2,330	8,192	\$5,552	\$555	\$2,776
COLL079	Collection	Trailer	10	2004	\$3,508	\$351	\$1,754	8,192	\$4,180	\$418	\$2,090
COLL077	Collection	Rodder hose	10	2004	\$1,613	\$161	\$806	8,192	\$1,922	\$192	\$961
COLL075	Collection	Gas detector	10	2004	\$4,847	\$485	\$2,424	8,192	\$5,775	\$578	\$2,888
COLL080	Collection	Inflow infiltration study	25	2004	\$29,582	\$1,183	\$23,665	8,192	\$35,247	\$1,410	\$28,198
COLL076	Collection	Office furniture	10	2004	\$5,408	\$541	\$2,704	8,192	\$6,444	\$644	\$3,222
COLL078	Collection	3/4"nozzle	10	2004	\$1,034	\$103	\$517	8,192	\$1,232	\$123	\$616
C-2006.1	Collection	Pipe Trailer	10	2005	\$2,160	\$216	\$1,584	8,567	\$2,461	\$246	\$1,477
C-2007.2	Collection	Manhole Raising	10	2007	\$16,130	\$1,613	\$14,383	9,182	\$17,148	\$1,715	\$13,718
C-2007-1	Collection	Sewer Extension	10	2007	\$2,049	\$205	\$1,844	9,182	\$2,178	\$218	\$1,743
C-2008-2	Collection	New CCTV Camera, Cable	7	2007	\$47,019	\$6,717	\$40,302	9,182	\$49,986	\$7,141	\$35,704
C-2008-1	Collection	L/S # 3 - New Compressors	10	2007	\$12,387	\$1,239	\$11,148	9,182	\$13,168	\$1,317	\$10,534
C-2008-3	Collection	Raise 4 Manholes to Grade	10	2008	\$2,650	\$265	\$2,385	9,823	\$2,633	\$263	\$2,370
CIP	Collection	LIFT STATION 4 - FORCE I	75	2008	\$1,186,086	\$15,814	\$1,170,272	9,823	\$1,178,577	\$15,714	\$1,162,863
CIP	Collection	LIFT STATION 4 - FORCE I	75	2008	\$120,708	\$1,609	\$119,099	9,823	\$119,944	\$1,599	\$118,345
CIP	Collection	LIFT STATION 4 - FORCE I	75	2008	\$76,690	\$1,023	\$75,667	9,823	\$76,204	\$1,016	\$75,188
CIP	Collection	LIFT STATION 4 - FORCE I	75	2008	\$11,021	\$147	\$10,874	9,823	\$10,951	\$146	\$10,805
C-2009-1	Collection	20 New SmartCovers (w/Flo	10	2008	\$74,567	\$7,457	\$67,110	9,823	\$74,095	\$7,409	\$66,685
C-2009-2	Collection	Raise / Repair (3) Manholes	10	2009	\$4,150	\$415	\$3,735	9,761	\$4,150	\$415	\$4,150
DISP004	Solids	outfall line	75	1961	\$248,378	\$3,312	\$92,728	935	\$2,592,662	\$34,569	\$933,358
DISP001	Solids	sludge beds	35	1978	\$27,611	\$0	\$0	3,421	\$78,776	\$2,251	\$9,003
DISP003	Solids	sludge drying beds	26	1985	\$102,494	\$0	\$0	5,447	\$183,679	\$7,065	\$14,129
DISP002	Solids	sludge beds	20	1994	\$58,774	\$2,939	\$17,632	6,533	\$87,815	\$4,391	\$21,954
DISP005	Solids	outfall repair	20	2003	\$95,210	\$4,761	\$71,407	7,532	\$123,390	\$6,169	\$86,373
	Subsurface	Manholes-1960	75	1960	\$1,615	\$22	\$581	910	\$17,325	\$231	\$6,006
PISVCP196C	Subsurface	137' of 8" VCP	75	1960	\$2,699	\$36	\$970	910	\$28,950	\$386	\$10,036
	Subsurface	Manholes-1961	75	1961	\$6,641	\$89	\$2,479	935	\$69,321	\$924	\$24,956
PISVCP1961	Subsurface	1827' of 8" VCP	75	1961	\$36,997	\$493	\$13,812	935	\$386,188	\$5,149	\$139,028
	Subsurface	Manholes-1962	75	1962	\$19,656	\$262	\$7,600	963	\$199,299	\$2,657	\$74,405
PISACP1962	Subsurface	1847' of 18" ACP	75	1962	\$33,005	\$440	\$12,762	963	\$334,642	\$4,462	\$124,933
PISCIP1962	Subsurface	4517' of 6" CIP	75	1962	\$44,453	\$593	\$17,188	963	\$450,710	\$6,009	\$168,265
PISVCP1962	Subsurface	3101' of 21" VCP	75	1962	\$134,518	\$1,794	\$52,014	963	\$1,363,893	\$18,185	\$509,187
PISVCP1962	Subsurface	280' of 8" VCP	75	1962	\$5,837	\$78	\$2,257	963	\$59,186	\$789	\$22,096
	Subsurface	Manholes-1963	75	1963	\$827,420	\$11,032	\$330,969	995	\$8,119,277	\$108,257	\$3,139,454
PISCIP1963	Subsurface	1811' of 8" CIP	75	1963	\$20,354	\$271	\$8,142	995	\$199,725	\$2,663	\$77,227
PISCIP1963	Subsurface	110' of 4" CIP	75	1963	\$942	\$13	\$377	995	\$9,243	\$123	\$3,574
PISCIP1963	Subsurface	1097' of 6" CIP	75	1963	\$11,155	\$149	\$4,462	995	\$109,460	\$1,459	\$42,324
PISVCP1963	Subsurface	827' of 18" VCP	75	1963	\$32,863	\$438	\$13,145	995	\$322,475	\$4,300	\$124,690
PISVCP1963	Subsurface	4775' of 6" VCP	75	1963	\$95,192	\$1,269	\$38,077	995	\$934,100	\$12,455	\$361,185
PISVCP1963	Subsurface	391' of 12" VCP	75	1963	\$10,986	\$146	\$4,394	995	\$107,803	\$1,437	\$41,684
PISVCP1963	Subsurface	2710' of 21" VCP	75	1963	\$121,467	\$1,620	\$48,586	995	\$1,191,922	\$15,892	\$460,877
PISVCP1963	Subsurface	2612' of 10" VCP	75	1963	\$61,857	\$825	\$24,743	995	\$606,988	\$8,093	\$234,702
PISVCP1963	Subsurface	201311' of 8" VCP	75	1963	\$4,336,467	\$57,820	\$1,734,587	995	\$42,552,709	\$567,369	\$16,453,714
PISVCP1963	Subsurface	1357' of 15" VCP	75	1963	\$49,021	\$654	\$19,608	995	\$481,036	\$6,414	\$186,001
	Subsurface	Manholes-1964	75	1964	\$5,504	\$73	\$2,275	1,033	\$51,991	\$693	\$20,796
PISVCP1964	Subsurface	1384' of 8" VCP	75	1964	\$30,971	\$413	\$12,801	1,033	\$292,547	\$3,901	\$117,019
	Subsurface	Manholes-1965	75	1965	\$18,082	\$241	\$7,714	1,072	\$164,638	\$2,195	\$68,051
PISVCP1965	Subsurface	4316' of 8" VCP	75	1965	\$100,195	\$1,336	\$42,750	1,072	\$912,307	\$12,164	\$377,087
	Subsurface	Manholes-1966	75	1966	\$13,982	\$186	\$6,152	1,125	\$121,313	\$1,618	\$51,760
PISCIP1966	Subsurface	310' of 6" CIP	75	1966	\$3,565	\$48	\$1,569	1,125	\$30,932	\$412	\$13,198
PISVCP1966	Subsurface	3226' of 8" VCP	75	1966	\$78,593	\$1,048	\$34,581	1,125	\$681,905	\$9,092	\$290,946
	Subsurface	Manholes-1967	75	1967	\$218,942	\$2,919	\$99,254	1,203	\$1,776,471	\$23,686	\$781,647
PISCIP1967	Subsurface	59' of 12" CIP	75	1967	\$1,054	\$14	\$478	1,203	\$8,551	\$114	\$3,762
PISCIP1967	Subsurface	119' of 6" CIP	75	1967	\$1,442	\$19	\$654	1,203	\$11,703	\$156	\$5,149
PISVCP1967	Subsurface	9003' of 12" VCP	75	1967	\$301,529	\$4,020	\$136,693	1,203	\$2,446,568	\$32,621	\$1,076,490
PISVCP1967	Subsurface	37881' of 8" VCP	75	1967	\$972,679	\$12,969	\$440,948	1,203	\$7,892,201	\$105,229	\$3,472,568
	Subsurface	Manholes-1968	75	1968	\$30,564	\$408	\$14,263	1,275	\$233,987	\$3,120	\$106,074

Appendix A

MSD Fixed Assets & Depreciation: Original and Replacement Cost Valuation

Asset Number	Fac Desc	Description	Updated Life	Yr in Service	Original Cost (OC)	FY 08-09 Depreciation	Original Cost Less Depreciation (OCLD)	Service Year ENRCCI/SF	2009 Replacement Cost (RC)	RC Depreciation	2009 RC/NLD
PISVCP196E	Subsurface	6072' of 8" VCP	75	1968	\$167,671	\$2,236	\$78,247	1,275	\$1,283,635	\$17,115	\$581,915
	Subsurface	Manholes-1969	75	1969	\$18,656	\$249	\$8,954	1,309	\$139,114	\$1,855	\$64,920
PISVCP196E	Subsurface	3371' of 8" VCP	75	1969	\$102,274	\$1,364	\$49,091	1,309	\$762,639	\$10,169	\$355,898
	Subsurface	Manholes-1970	75	1970	\$144,824	\$1,931	\$71,447	1,482	\$953,862	\$12,718	\$457,854
PISCIP1970	Subsurface	174' of 8" CIP	75	1970	\$2,997	\$40	\$1,478	1,482	\$19,742	\$263	\$9,476
PISVCP197C	Subsurface	24013' of 8" VCP	75	1970	\$792,837	\$10,571	\$391,133	1,482	\$5,221,917	\$69,626	\$2,506,520
	Subsurface	Manholes-1972	75	1972	\$15,463	\$206	\$8,040	1,966	\$76,771	\$1,024	\$38,897
PISVCP1972	Subsurface	1966' of 8" VCP	75	1972	\$82,397	\$1,099	\$42,846	1,966	\$409,091	\$5,455	\$207,273
	Subsurface	Manholes-1973	75	1973	\$40,860	\$545	\$21,792	2,100	\$189,919	\$2,532	\$98,758
PISVCP1973	Subsurface	3667' of 8" VCP	75	1973	\$166,136	\$2,215	\$88,606	2,100	\$772,216	\$10,296	\$401,552
PISVCP1973	Subsurface	1257' of 12" VCP	75	1973	\$74,282	\$990	\$39,617	2,100	\$345,268	\$4,604	\$179,539
	Subsurface	Manholes-1975	75	1975	\$15,176	\$202	\$8,498	2,586	\$57,283	\$764	\$31,315
PISPVC197E	Subsurface	66' of 8" PVC	75	1975	\$2,645	\$35	\$1,481	2,586	\$9,983	\$133	\$5,458
PISVCP197E	Subsurface	173' of 6" VCP	75	1975	\$8,467	\$113	\$4,741	2,586	\$31,960	\$426	\$17,471
PISVCP197E	Subsurface	1436' of 8" VCP	75	1975	\$75,942	\$1,013	\$42,528	2,586	\$286,648	\$3,822	\$156,701
	Subsurface	Manholes-1976	75	1976	\$2,353	\$31	\$1,349	2,920	\$7,866	\$105	\$4,405
PISVCP197E	Subsurface	246' of 8" VCP	75	1976	\$14,121	\$188	\$8,097	2,920	\$47,204	\$629	\$26,434
	Subsurface	Manholes-1977	75	1977	\$7,574	\$101	\$4,443	3,162	\$23,381	\$312	\$13,405
PISVCP1977	Subsurface	76' of 6" VCP	75	1977	\$4,332	\$58	\$2,541	3,162	\$13,372	\$178	\$7,667
PISVCP1977	Subsurface	498' of 8" VCP	75	1977	\$30,670	\$409	\$17,993	3,162	\$94,679	\$1,262	\$54,282
PISVCP1977	Subsurface	220' of 18" VCP	75	1977	\$24,994	\$333	\$14,663	3,162	\$77,157	\$1,029	\$44,237
	Subsurface	Manholes-1978	75	1978	\$19,045	\$254	\$11,427	3,421	\$54,336	\$724	\$31,877
PISVCP197E	Subsurface	1466' of 8" VCP	75	1978	\$97,296	\$1,297	\$58,378	3,421	\$277,592	\$3,701	\$162,854
	Subsurface	Manholes-1980	75	1980	\$19,035	\$254	\$11,929	4,102	\$45,291	\$604	\$27,779
PISPVC198C	Subsurface	1137' of 8" PVC	75	1980	\$66,678	\$889	\$41,785	4,102	\$158,650	\$2,115	\$97,305
PISVCP198C	Subsurface	242' of 8" VCP	75	1980	\$18,728	\$250	\$11,736	4,102	\$44,562	\$594	\$27,331
	Subsurface	Manholes-1981	75	1981	\$117,796	\$1,571	\$75,390	4,531	\$253,766	\$3,384	\$159,027
PISPVC1981	Subsurface	2433' of 8" PVC	75	1981	\$155,815	\$2,078	\$99,722	4,531	\$335,671	\$4,476	\$210,354
PISVCP1981	Subsurface	5227' of 8" VCP	75	1981	\$441,759	\$5,890	\$282,726	4,531	\$951,677	\$12,689	\$596,384
PISVCP1981	Subsurface	296' of 6" VCP	75	1981	\$23,152	\$309	\$14,817	4,531	\$49,876	\$665	\$31,255
	Subsurface	Manholes-1982	75	1982	\$3,749	\$50	\$2,449	4,934	\$7,416	\$99	\$4,746
PISVCP1982	Subsurface	226' of 12" VCP	75	1982	\$26,957	\$359	\$17,612	4,934	\$53,329	\$711	\$34,130
	Subsurface	Manholes-1984	75	1984	\$20,317	\$271	\$13,815	5,260	\$37,703	\$503	\$25,135
PISVCP1984	Subsurface	1215' of 8" VCP	75	1984	\$120,434	\$1,606	\$81,895	5,260	\$223,493	\$2,980	\$148,995
	Subsurface	Manholes-1985	75	1985	\$65,783	\$877	\$45,610	5,447	\$117,890	\$1,572	\$80,165
PISPVC198E	Subsurface	909' of 8" PVC	75	1985	\$69,083	\$921	\$47,898	5,447	\$123,804	\$1,651	\$84,187
PISPVC198E	Subsurface	613' of 6" PVC	75	1985	\$41,241	\$550	\$28,594	5,447	\$73,909	\$985	\$50,258
PISVCP198E	Subsurface	2623' of 8" VCP	75	1985	\$263,072	\$3,508	\$182,396	5,447	\$471,450	\$6,286	\$320,586
PISVCP198E	Subsurface	243' of 6" VCP	75	1985	\$22,555	\$301	\$15,639	5,447	\$40,421	\$539	\$27,486
	Subsurface	Manholes-1986	75	1986	\$37,885	\$505	\$26,772	5,452	\$67,825	\$904	\$47,025
PISPVC198E	Subsurface	2074' of 8" PVC	75	1986	\$161,380	\$2,152	\$114,041	5,452	\$288,916	\$3,852	\$200,315
	Subsurface	Manholes-1987	75	1987	\$142,502	\$1,900	\$102,602	5,474	\$254,096	\$3,388	\$179,562
PISDIP1987	Subsurface	180' of 6" DIP	75	1987	\$14,721	\$196	\$10,600	5,474	\$26,250	\$350	\$18,550
PISPVC1987	Subsurface	6702' of 8" PVC	75	1987	\$534,967	\$7,133	\$385,176	5,474	\$953,905	\$12,719	\$674,093
PISPVC1987	Subsurface	495' of 6" PVC	75	1987	\$34,978	\$466	\$25,184	5,474	\$62,369	\$832	\$44,074
PISVCP1987	Subsurface	746' of 8" VCP	75	1987	\$78,583	\$1,048	\$56,579	5,474	\$140,122	\$1,868	\$99,019
PISVCP1987	Subsurface	276' of 6" VCP	75	1987	\$26,907	\$359	\$19,373	5,474	\$47,977	\$640	\$33,904
	Subsurface	Manholes-1988	75	1988	\$106,296	\$1,417	\$77,950	5,771	\$179,792	\$2,397	\$129,450
PISDIP1988	Subsurface	85' of 8" DIP	75	1988	\$7,757	\$103	\$5,689	5,771	\$13,121	\$175	\$9,447
PISPVC198E	Subsurface	5206' of 8" PVC	75	1988	\$426,211	\$5,683	\$312,554	5,771	\$720,907	\$9,612	\$519,053
PISVCP198E	Subsurface	162' of 8" VCP	75	1988	\$17,503	\$233	\$12,835	5,771	\$29,604	\$395	\$21,315
	Subsurface	Manholes-1989	75	1989	\$9,046	\$121	\$6,755	5,790	\$15,251	\$203	\$11,184
PISDIP1989	Subsurface	207' of 6" DIP	75	1989	\$17,732	\$236	\$13,241	5,790	\$29,895	\$399	\$21,923
PISPVC198E	Subsurface	448' of 8" PVC	75	1989	\$37,457	\$499	\$27,968	5,790	\$63,148	\$842	\$46,309
	Subsurface	Manholes-1990	75	1990	\$13,913	\$186	\$10,574	5,995	\$22,655	\$302	\$16,916
PISPVC199C	Subsurface	621' of 8" PVC	75	1990	\$53,237	\$710	\$40,460	5,995	\$86,687	\$1,156	\$64,726
	Subsurface	Manholes-1991	75	1991	\$203,764	\$2,717	\$157,577	6,090	\$326,584	\$4,354	\$248,204
PISDIP1991	Subsurface	1288' of 8" DIP	75	1991	\$125,768	\$1,677	\$97,260	6,090	\$201,575	\$2,688	\$153,197
PISPVC1991	Subsurface	8374' of 8" PVC	75	1991	\$733,512	\$9,780	\$567,250	6,090	\$1,175,643	\$15,675	\$893,489
PISPVC1991	Subsurface	1132' of 6" PVC	75	1991	\$87,778	\$1,170	\$67,881	6,090	\$140,687	\$1,876	\$106,922
	Subsurface	Manholes-1994	75	1994	\$42,402	\$565	\$34,487	6,533	\$63,354	\$845	\$50,683
PISVCP1994	Subsurface	1815' of 8" VCP	75	1994	\$234,670	\$3,129	\$190,865	6,533	\$350,624	\$4,675	\$280,499
PISVCP1994	Subsurface	180' of 6" VCP	75	1994	\$21,538	\$287	\$17,518	6,533	\$32,181	\$429	\$25,745
	Subsurface	Manholes-1996	75	1996	\$16,524	\$220	\$13,881	6,558	\$24,593	\$328	\$20,330
PISVCP199E	Subsurface	664' of 8" VCP	75	1996	\$89,217	\$1,190	\$74,942	6,558	\$132,783	\$1,770	\$109,767
PISVCP199E	Subsurface	638' of 4" VCP	75	1996	\$73,478	\$980	\$61,722	6,558	\$109,358	\$1,458	\$90,403
PISVCP199E	Subsurface	59' of 6" VCP	75	1996	\$7,337	\$98	\$6,163	6,558	\$10,920	\$146	\$9,027
	Subsurface	Manholes-1998	75	1998	\$46,417	\$619	\$40,228	6,852	\$66,123	\$882	\$56,425
PISPVC199E	Subsurface	1570' of 8" PVC	75	1998	\$168,383	\$2,245	\$145,932	6,852	\$239,872	\$3,198	\$204,691
PISPVC199E	Subsurface	142' of 12" PVC	75	1998	\$18,975	\$253	\$16,445	6,852	\$27,030	\$360	\$23,066
	Subsurface	Manholes-1999	75	1999	\$100,968	\$1,346	\$88,851	6,826	\$144,382	\$1,925	\$125,131
PISPVC199E	Subsurface	3563' of 8" PVC	75	1999	\$391,171	\$5,216	\$344,230	6,826	\$559,366	\$7,458	\$484,784
PISPVC199E	Subsurface	214' of 4" PVC	75	1999	\$18,487	\$246	\$16,269	6,826	\$26,437	\$352	\$22,912

Appendix A

MSD Fixed Assets & Depreciation: Original and Replacement Cost Valuation

Asset Number	Fac Desc	Description	Updated Life	Yr in Service	Original Cost (OC)	FY 08-09 Depreciation	Original Cost Less Depreciation (OCLD)	Service Year ENRCCI/SF	2009 Replacement Cost (RC)	RC Depreciation	2009 RC/NLD
PISVCP199€	Subsurface	272' of 8" VCP	75	1999	\$39,408	\$525	\$34,679	6,826	\$56,353	\$751	\$48,839
	Subsurface	Manholes-2001	75	2001	\$31,078	\$414	\$28,178	7,227	\$41,976	\$560	\$37,498
PISPVC2001	Subsurface	1060' of 8" PVC	75	2001	\$121,789	\$1,624	\$110,423	7,227	\$164,494	\$2,193	\$146,948
	Subsurface	Manholes-2002	75	2002	\$25,631	\$342	\$23,581	7,403	\$33,796	\$451	\$30,642
PISPVC2002	Subsurface	955' of 8" PVC	75	2002	\$113,117	\$1,508	\$104,067	7,403	\$149,151	\$1,989	\$135,231
P-2003	Subsurface	Parra Grande Mainline ext +	10	2003	\$145,869	\$0	\$0	7,532	\$189,043	\$18,904	\$75,617
	Subsurface	Cima Del Mundo Rd Ext + 2'	75	2004	\$619,641	\$8,262	\$586,593	8,192	\$738,307	\$9,844	\$689,087
	Subsurface	Barker Pass Ext +2 manhole	75	2004	\$36,248	\$483	\$34,315	8,192	\$43,190	\$576	\$40,310
	Subsurface	Survey-Site Plan Master-20y	25	2005	\$3,210	\$128	\$2,696	8,567	\$3,657	\$146	\$3,072
	Subsurface	Sewer Main Rehab	50	2005	\$842,365	\$16,847	\$774,975	8,567	\$959,720	\$19,194	\$882,943
	Subsurface	Flow Meters For I&I	10	2005	\$35,725	\$3,573	\$21,435	8,567	\$40,703	\$4,070	\$24,422
	Subsurface	Orchard Ave Ext +16 lateral	75	2005	\$490,912	\$6,545	\$471,276	8,567	\$559,304	\$7,457	\$529,474
	Subsurface	N. Jameson Relocation Proj	50	2005	\$297,792	\$5,956	\$273,968	8,567	\$339,279	\$6,786	\$312,137
	Subsurface	M-2006.1	75	2006	\$41,863	\$558	\$40,747	8,879	\$46,022	\$614	\$44,181
P-2006.1	Subsurface	Emergency Sewer Rehab/R	50	2006	\$73,562	\$1,471	\$70,620	8,879	\$80,870	\$1,617	\$76,017
P-2007-1	Subsurface	Tabor Lane Mainline Extensi	50	2006	\$397,263	\$7,945	\$384,739	8,879	\$436,727	\$8,735	\$410,523
P-2006.2	Subsurface	Influent Flow Recorder - Nev	50	2006	\$64,880	\$1,298	\$61,852	8,879	\$71,325	\$1,427	\$67,046
P-2008-3	Subsurface	Olive Road Ext - Inspection	50	2007	\$4,000	\$80	\$3,920	9,182	\$4,252	\$85	\$4,082
P-2007-5	Subsurface	Flow Meters For I&I	10	2007	\$3,838	\$384	\$3,454	9,182	\$4,080	\$408	\$3,264
P-2007-4	Subsurface	Emergency Sewer Rehab/R	50	2007	\$95,289	\$1,906	\$93,383	9,182	\$101,301	\$2,026	\$97,249
P-2008-5	Subsurface	Rehab 3 Manholes	50	2007	\$9,680	\$194	\$9,486	9,182	\$10,291	\$206	\$9,879
P-2008-4	Subsurface	Rehab 2 Manholes	50	2007	\$6,150	\$123	\$6,027	9,182	\$6,538	\$131	\$6,277
P-2007-2	Subsurface	Olive Road Mainline Extensi	50	2007	\$58,625	\$1,173	\$57,453	9,182	\$62,324	\$1,246	\$59,831
P-2009-1	Subsurface	Emergency Mainline Repairs	50	2008	\$16,225	\$325	\$15,901	9,823	\$16,122	\$322	\$15,800
P-2009-2	Subsurface	Emergency Mainline Repairs	50	2008	\$5,270	\$105	\$5,165	9,823	\$5,237	\$105	\$5,132
P-2008-6	Subsurface	Tollis Ave Main Ext & 1 M/H	50	2008	\$183,300	\$3,666	\$179,634	9,823	\$182,140	\$3,643	\$178,497
	Subsurface	Raise 4 Manhold Covers	50	2008	\$2,650	\$53	\$2,597	9,823	\$2,633	\$53	\$2,581
P-2007-3	Subsurface	Sewer Main Rehabilitation	50	2008	\$558,565	\$11,171	\$547,394	9,823	\$555,029	\$11,101	\$543,928
P-2008-2	Subsurface	Sewer Main Rehabilitation	50	2008	\$28,765	\$575	\$28,190	9,823	\$28,583	\$572	\$28,011
P-2008-1	Subsurface	Emergency Sewer Rehab/R	50	2008	\$137,057	\$2,741	\$134,315	9,823	\$136,189	\$2,724	\$133,465
P-2009-3	Subsurface	Emergency Mainline Repairs	50	2009	\$5,000	\$100	\$4,900	9,761	\$5,000	\$100	\$5,000
	Subsurface	Raise/Repair 3 Manhold cov	50	2009	\$5,000	\$100	\$4,900	9,761	\$5,000	\$100	\$5,000
Plant050	WWTP	swing fuser (12)-plant	51	1962	\$18,000	\$0	\$0	963	\$182,504	\$3,579	\$14,314
Plant029	WWTP	drives (2)-plant	51	1962	\$6,000	\$0	\$0	963	\$60,835	\$1,193	\$4,771
Plant022	WWTP	Building, structure etc	55	1962	\$464,331	\$9,287	\$37,147	963	\$4,707,897	\$85,598	\$684,785
Plant121	WWTP	shower room-plant	50	1968	\$11,797	\$236	\$2,360	1,275	\$90,311	\$1,806	\$16,256
Plant045	WWTP	digester structure-plant	50	1978	\$63,000	\$1,260	\$25,200	3,421	\$179,742	\$3,595	\$68,302
Plant041	WWTP	digester guardrails-plant	50	1978	\$4,278	\$86	\$1,711	3,421	\$12,205	\$244	\$4,638
Plant092	WWTP	paving & landscaping-yard	34	1978	\$17,858	\$0	\$0	3,421	\$50,950	\$1,499	\$4,496
Plant149	WWTP	was ps electrical cntrl unit	37	1978	\$10,000	\$0	\$0	3,421	\$28,531	\$771	\$4,627
Plant150	WWTP	influent pump-plant	30	1982	\$60,484	\$0	\$0	4,934	\$119,653	\$3,988	\$11,965
Plant066	WWTP	hoist-pump room-plant	30	1982	\$20,692	\$0	\$0	4,934	\$40,934	\$1,364	\$4,093
Plant065	WWTP	handrails-plant	50	1982	\$48,406	\$968	\$23,235	4,934	\$95,760	\$1,915	\$44,050
Plant063	WWTP	grading & paving-plant	40	1982	\$175,353	\$4,384	\$61,374	4,934	\$346,894	\$8,672	\$112,741
Plant135	WWTP	generator-plant	30	1982	\$138,350	\$0	\$0	4,934	\$273,691	\$9,123	\$27,369
Plant052	WWTP	fencing-plant	30	1982	\$22,164	\$0	\$0	4,934	\$43,845	\$1,462	\$4,385
Plant087	WWTP	digester modifications-plant	50	1982	\$23,875	\$478	\$11,460	4,934	\$47,232	\$945	\$21,727
Plant126	WWTP	daf system-plant	30	1982	\$111,336	\$0	\$0	4,934	\$220,251	\$7,342	\$22,025
Plant143	WWTP	clarifiers-equipment-plant	30	1982	\$218,539	\$0	\$0	4,934	\$432,326	\$14,411	\$43,233
Plant030	WWTP	clarifiers-construction-plant	50	1982	\$404,309	\$8,086	\$194,069	4,934	\$799,828	\$15,997	\$367,921
Plant142	WWTP	blowers and motors-plant	30	1982	\$169,580	\$0	\$0	4,934	\$335,474	\$11,182	\$33,547
Plant016	WWTP	air blower-plant	30	1982	\$2,167	\$0	\$0	4,934	\$4,288	\$143	\$429
Plant038	WWTP	contact chamber	50	1982	\$15,514	\$310	\$7,447	4,934	\$30,691	\$614	\$14,118
Plant097	WWTP	rotary screen	30	1982	\$34,772	\$0	\$0	4,934	\$68,788	\$2,293	\$6,879
Plant117	WWTP	grinders	30	1982	\$63,668	\$0	\$0	4,934	\$125,951	\$4,198	\$12,595
Plant078	WWTP	laboratory flooring/cabinets	30	1982	\$60,088	\$0	\$0	4,934	\$118,869	\$3,962	\$11,887
Plant072	WWTP	interior piping	50	1982	\$89,287	\$1,786	\$42,858	4,934	\$176,633	\$3,533	\$81,251
Plant051	WWTP	exterior piping	50	1982	\$194,958	\$3,899	\$93,580	4,934	\$385,678	\$7,714	\$177,412
Plant133	WWTP	sump pumps	30	1982	\$11,142	\$0	\$0	4,934	\$22,041	\$735	\$2,204
Plant127	WWTP	stairs and ramps	50	1982	\$19,133	\$383	\$9,184	4,934	\$37,850	\$757	\$17,411
Plant151	WWTP	polymix tanks & pumps	30	1982	\$71,626	\$0	\$0	4,934	\$141,695	\$4,723	\$14,169
Plant064	WWTP	hoist-chlorination room	30	1982	\$19,100	\$0	\$0	4,934	\$37,785	\$1,260	\$3,779
Plant007	WWTP	air compressor	30	1982	\$8,754	\$0	\$0	4,934	\$17,318	\$577	\$1,732
Plant053	WWTP	flow measuring flume	50	1982	\$6,378	\$128	\$3,062	4,934	\$12,617	\$252	\$5,804
Plant108	WWTP	plant water pump	30	1982	\$3,183	\$0	\$0	4,934	\$6,298	\$210	\$630
Plant122	WWTP	site wall-plant	50	1985	\$49,525	\$990	\$26,744	5,447	\$88,754	\$1,775	\$46,152
Plant021	WWTP	building addition-plant	50	1985	\$38,266	\$765	\$20,663	5,447	\$68,576	\$1,372	\$35,660
Plant080	WWTP	locker room improvements	50	1985	\$2,152	\$43	\$1,162	5,447	\$3,857	\$77	\$2,006
Plant157	WWTP	allocation of 1985 expenses	40	1985	\$18,052	\$451	\$7,673	5,447	\$32,352	\$809	\$12,941
Plant154	WWTP	allocation of 1985 expenses	28	1985	\$20,027	\$0	\$0	5,447	\$35,891	\$1,282	\$5,127
Plant153	WWTP	allocation of 1985 expenses	29	1985	\$9,369	\$0	\$0	5,447	\$16,791	\$579	\$2,895
Plant156	WWTP	allocation of 1985 expenses	28	1985	\$10,357	\$414	\$828	5,447	\$18,561	\$663	\$2,652
Plant155	WWTP	allocation of 1985 expenses	26	1985	\$10,850	\$0	\$0	5,447	\$19,444	\$748	\$1,496

Appendix A

MSD Fixed Assets & Depreciation: Original and Replacement Cost Valuation

Asset Number	Fac Desc	Description	Updated Life	Yr in Service	Original Cost (OC)	FY 08-09 Depreciation	Original Cost Less Depreciation (OCLD)	Service Year ENRCCI/SF	2009 Replacement Cost (RC)	RC Depreciation	2009 RC/NLD
Plant024	WWTP	car#3-dump truck	28	1985	\$10,775	\$431	\$862	5,447	\$19,309	\$690	\$2,758
Plant118	WWTP	sewage treatment facilities	50	1986	\$49,988	\$1,000	\$27,994	5,452	\$89,493	\$1,790	\$48,326
Plant132	WWTP	Chicago influent pumps	28	1986	\$9,526	\$381	\$1,143	5,452	\$17,055	\$609	\$3,046
Plant081	WWTP	locker room imprvmts	50	1986	\$23,094	\$462	\$12,933	5,452	\$41,344	\$827	\$22,326
Plant094	WWTP	pipe sections	50	1986	\$5,000	\$100	\$2,800	5,452	\$8,951	\$179	\$4,834
Plant079	WWTP	liquid level control	25	1987	\$1,047	\$0	\$0	5,474	\$1,867	\$75	\$224
Plant147	WWTP	vehicle hoist-vehicle #7	24	1988	\$2,205	\$0	\$0	5,771	\$3,730	\$155	\$466
Plant098	WWTP	comline sanderson pump	25	1988	\$1,770	\$71	\$354	5,771	\$2,994	\$120	\$479
Plant086	WWTP		22	1989	\$1,370	\$68	\$69	5,790	\$2,309	\$105	\$210
Plant036	WWTP	concrete slab for dumbster-y	50	1989	\$1,606	\$32	\$996	5,790	\$2,707	\$54	\$1,624
Plant106	WWTP	printed cicuit boards	23	1989	\$1,115	\$0	\$0	5,790	\$1,880	\$82	\$245
Plant114	WWTP	regulator for generator	23	1989	\$1,785	\$0	\$0	5,790	\$3,010	\$131	\$393
Plant005	WWTP	above ground fuel tank	50	1990	\$15,320	\$306	\$9,805	5,995	\$24,946	\$499	\$15,466
Plant012	WWTP	aluminum awning	50	1990	\$4,575	\$92	\$2,928	5,995	\$7,450	\$149	\$4,619
Plant082	WWTP	magentic & cable locator	22	1990	\$2,035	\$0	\$0	5,995	\$3,313	\$151	\$452
Plant138	WWTP	tractor-john deer	20	1991	\$27,619	\$0	\$0	6,090	\$44,267	\$2,213	\$4,427
Plant109	WWTP	pump(rotary screen)	25	1991	\$3,701	\$148	\$1,184	6,090	\$5,933	\$237	\$1,661
Plant110	WWTP	portable pump(on trailer)	25	1991	\$4,223	\$169	\$1,351	6,090	\$6,769	\$271	\$1,895
Plant104	WWTP	pump(daf recycle)	25	1991	\$3,022	\$121	\$967	6,090	\$4,843	\$194	\$1,356
Plant088	WWTP	new ras control	20	1991	\$3,428	\$0	\$0	6,090	\$5,495	\$275	\$549
Plant090	WWTP	open channel meter	20	1991	\$2,980	\$0	\$0	6,090	\$4,776	\$239	\$478
Plant101	WWTP	pump for rotary screen	25	1992	\$2,905	\$116	\$1,046	6,349	\$4,467	\$179	\$1,429
Plant095	WWTP	pump-sludge process	25	1992	\$1,745	\$70	\$628	6,349	\$2,683	\$107	\$858
Plant123	WWTP	sludge bed modification	22	1992	\$33,562	\$1,678	\$6,713	6,349	\$51,602	\$2,346	\$11,728
Plant047	WWTP	disinfection alternatives	22	1992	\$14,044	\$702	\$2,809	6,349	\$21,593	\$982	\$4,908
Plant002	WWTP	4" toe boards alum(6)	20	1993	\$3,724	\$186	\$931	6,478	\$5,612	\$281	\$1,122
Plant146	WWTP	storage cabinets	18	1993	\$1,757	\$0	\$0	6,478	\$2,648	\$147	\$294
Plant055	WWTP	forklift	18	1993	\$9,472	\$0	\$0	6,478	\$14,273	\$793	\$1,586
Plant128	WWTP	steam cleaner	18	1993	\$1,347	\$0	\$0	6,478	\$2,030	\$113	\$226
Plant060	WWTP	furnance .14 cuft 120v	17	1994	\$1,377	\$0	\$0	6,533	\$2,057	\$121	\$242
Plant054	WWTP	flow proportional controller	17	1994	\$1,767	\$0	\$0	6,533	\$2,640	\$155	\$311
Plant058	WWTP	two goulds sump pumps	25	1994	\$1,083	\$43	\$476	6,533	\$1,618	\$65	\$647
Plant091	WWTP	overhaul compressors	17	1994	\$5,146	\$0	\$0	6,533	\$7,689	\$452	\$905
Plant048	WWTP	dissolved oxygen meter	17	1994	\$1,179	\$0	\$0	6,533	\$1,762	\$104	\$207
Plant139	WWTP	trailer mounted generator	17	1994	\$10,182	\$0	\$0	6,533	\$15,214	\$895	\$1,790
Plant025	WWTP	car #2 1994 chevy truck	17	1994	\$18,715	\$1,248	\$1,248	6,533	\$27,963	\$1,645	\$3,290
Plant113	WWTP	rebuild positive displacemen	20	1994	\$12,562	\$628	\$3,768	6,533	\$18,768	\$938	\$4,692
Plant160	WWTP	1995 Jeep	15	1995	\$18,655	\$0	\$0	6,526	\$27,901	\$1,860	\$1,860
Plant158	WWTP	Forklift	15	1995	\$8,750	\$0	\$0	6,526	\$13,087	\$872	\$872
Plant031	WWTP	air diffuser manifolds	20	1995	\$8,938	\$447	\$3,128	6,526	\$13,369	\$668	\$4,011
Plant069	WWTP	influent pump control	15	1995	\$8,782	\$0	\$0	6,526	\$13,135	\$876	\$876
Plant096	WWTP	clarifier sprockets	14	1996	\$24,000	\$0	\$0	6,558	\$35,719	\$2,551	\$2,551
Plant115	WWTP	rerofing	50	1996	\$11,512	\$230	\$8,749	6,558	\$17,133	\$343	\$12,678
Plant043	WWTP	digester piping	50	1996	\$102,270	\$2,045	\$77,725	6,558	\$152,210	\$3,044	\$112,635
Plant017	WWTP	blower building	50	1996	\$78,366	\$1,567	\$59,558	6,558	\$116,633	\$2,333	\$86,308
Plant013	WWTP	asphalt paving	25	1996	\$40,432	\$1,617	\$21,024	6,558	\$60,175	\$2,407	\$28,884
Plant124	WWTP	sludge storage bins	50	1996	\$45,874	\$917	\$34,864	6,558	\$68,275	\$1,365	\$50,523
Plant035	WWTP	composite sampler	14	1996	\$3,523	\$0	\$0	6,558	\$5,244	\$375	\$375
Plant018	WWTP	blowers & controls	20	1996	\$171,887	\$8,594	\$68,754	6,558	\$255,821	\$12,791	\$89,537
Plant049	WWTP	doppler flow meter	14	1996	\$2,759	\$0	\$0	6,558	\$4,106	\$293	\$293
Plant011	WWTP	alarm monitor	14	1996	\$1,919	\$0	\$0	6,558	\$2,855	\$204	\$204
Plant070	WWTP	ras disinfection pump	14	1996	\$1,673	\$0	\$0	6,558	\$2,490	\$178	\$178
Plant112	WWTP	hydrojet pump	25	1996	\$7,575	\$303	\$3,939	6,558	\$11,274	\$451	\$5,411
Plant044	WWTP	digester/DAFT structure	50	1996	\$370,449	\$7,409	\$281,541	6,558	\$551,343	\$11,027	\$407,994
Plant057	WWTP	French drain	50	1997	\$1,699	\$34	\$1,325	6,664	\$2,489	\$50	\$1,892
Plant077	WWTP	lab scale	13	1997	\$2,847	\$0	\$0	6,664	\$4,171	\$321	\$321
Plant034	WWTP	Muffin Monsters	20	1997	\$2,229	\$111	\$1,003	6,664	\$3,266	\$163	\$1,306
Plant010	WWTP	Air supply line	20	1997	\$22,498	\$1,125	\$10,124	6,664	\$32,955	\$1,648	\$13,182
Plant130	WWTP	Storage facility covering	50	1997	\$8,456	\$169	\$6,595	6,664	\$12,386	\$248	\$9,413
Plant019	WWTP	Plant compressor	20	1997	\$2,891	\$145	\$1,301	6,664	\$4,236	\$212	\$1,694
Plant105	WWTP	ras pump replacement	25	1998	\$3,085	\$123	\$1,851	6,852	\$4,395	\$176	\$2,461
Plant033	WWTP	Muffin Monsters	20	1998	\$1,491	\$75	\$746	6,852	\$2,124	\$106	\$956
Plant075	WWTP	Irrg sys & plantings	25	1998	\$9,917	\$397	\$5,950	6,852	\$14,127	\$565	\$7,911
Plant099	WWTP	Waste sludge pump	25	1998	\$1,908	\$76	\$1,144	6,852	\$2,718	\$109	\$1,522
Plant068	WWTP	Froth spray pump	25	1998	\$1,524	\$61	\$914	6,852	\$2,171	\$87	\$1,216
Plant136	WWTP	ras pump replacement	25	1999	\$19,127	\$765	\$12,241	6,826	\$27,352	\$1,094	\$16,411
Plant144	WWTP	Belt press	20	1999	\$930,955	\$46,548	\$512,025	6,826	\$1,331,247	\$66,562	\$665,623
Plant046	WWTP	Disinfection system	20	2000	\$13,302	\$665	\$7,981	7,068	\$18,370	\$919	\$10,104
Plant148	WWTP	WAS flow meter	11	2000	\$3,912	\$391	\$783	7,068	\$5,403	\$491	\$982
Plant141	WWTP	Turbidity Meter	11	2000	\$1,874	\$187	\$375	7,068	\$2,588	\$235	\$470
Plant111	WWTP	RAS flow meter	11	2000	\$4,464	\$446	\$893	7,068	\$6,165	\$560	\$1,121
Plant061	WWTP	Gas Detector	11	2000	\$1,265	\$127	\$253	7,068	\$1,748	\$159	\$318
Plant145	WWTP	upper spindle rack	11	2001	\$1,230	\$123	\$369	7,227	\$1,662	\$151	\$453

Appendix A

MSD Fixed Assets & Depreciation: Original and Replacement Cost Valuation

Asset Number	Fac Desc	Description	Updated Life	Yr in Service	Original Cost (OC)	FY 08-09 Depreciation	Original Cost Less Depreciation (OCLD)	Service Year ENRCCI/SF	2009 Replacement Cost (RC)	RC Depreciation	2009 RC/NLD
Plant107	WWTP	piston pump upgrade	25	2001	\$3,152	\$126	\$2,270	7,227	\$4,257	\$170	\$2,895
Plant059	WWTP	fumehead purchase	11	2001	\$9,253	\$925	\$2,775	7,227	\$12,498	\$1,136	\$3,408
Plant039	WWTP	plant diffusers	9	2001	\$9,885	\$0	\$0	7,227	\$13,351	\$1,483	\$1,483
Plant042	WWTP	clarifier wiers	20	2001	\$12,000	\$600	\$7,800	7,227	\$16,208	\$810	\$9,725
Plant067	WWTP	Chains & Sprockets	11	2001	\$21,621	\$2,162	\$6,487	7,227	\$29,202	\$2,655	\$7,964
Plant084	WWTP	milltronics multiranger	11	2001	\$2,126	\$213	\$638	7,227	\$2,871	\$261	\$783
Plant027	WWTP	CED/CES/GRAINGER	20	2001	\$3,907	\$195	\$2,539	7,227	\$5,277	\$264	\$3,166
Plant056	WWTP	freestanding dishwasher	11	2001	\$5,593	\$559	\$1,678	7,227	\$7,554	\$687	\$2,060
Plant134	WWTP	Portable Pumps	25	2001	\$11,754	\$470	\$8,463	7,227	\$15,876	\$635	\$10,796
Plant085	WWTP	moisture balance	11	2001	\$3,126	\$313	\$938	7,227	\$4,222	\$384	\$1,151
Plant020	WWTP	box scraper & fork set	11	2001	\$3,060	\$306	\$918	7,227	\$4,133	\$376	\$1,127
Plant125	WWTP	spectrophotometer	11	2001	\$2,911	\$291	\$873	7,227	\$3,932	\$357	\$1,072
Plant004	WWTP	8" gate valves	50	2001	\$1,587	\$32	\$1,364	7,227	\$2,143	\$43	\$1,800
Plant003	WWTP	8" check valves	50	2001	\$3,820	\$76	\$3,286	7,227	\$5,160	\$103	\$4,334
Plant074	WWTP	internet wiring	8	2002	\$1,566	\$0	\$0	7,403	\$2,065	\$258	\$258
Plant100	WWTP	plug & check valve remov	50	2002	\$8,820	\$176	\$7,761	7,403	\$11,630	\$233	\$10,002
Plant062	WWTP	U.S. filter envirex product	20	2002	\$18,162	\$908	\$12,714	7,403	\$23,948	\$1,197	\$15,566
Plant028	WWTP	U.S. filter envirex product	20	2002	\$5,243	\$262	\$3,670	7,403	\$6,913	\$346	\$4,494
Plant008	WWTP	U.S. filter envirex product	20	2002	\$1,293	\$65	\$905	7,403	\$1,705	\$85	\$1,108
Plant164	WWTP	Clarifier inlet gates-replace	10	2003	\$36,221	\$3,622	\$18,111	7,532	\$46,942	\$4,694	\$18,777
Plant167	WWTP	Hypochlorite tank	10	2003	\$16,853	\$1,685	\$8,426	7,532	\$21,841	\$2,184	\$8,736
Plant116	WWTP	Residual Recorder	10	2003	\$9,310	\$931	\$6,190	7,532	\$12,066	\$1,207	\$4,826
Plant162	WWTP	Lab equipment	10	2003	\$7,377	\$738	\$3,689	7,532	\$9,560	\$956	\$3,824
Plant161	WWTP	Equip tool replacement	10	2003	\$5,099	\$510	\$2,549	7,532	\$6,608	\$661	\$2,643
Plant165	WWTP	Back channel grating	10	2003	\$21,621	\$2,162	\$10,811	7,532	\$28,020	\$2,802	\$11,208
Plant103	WWTP	Portable Hoist	12	2003	\$3,193	\$266	\$1,863	7,532	\$4,138	\$345	\$2,069
Plant168	WWTP	Plant security	10	2003	\$2,455	\$246	\$1,227	7,532	\$3,182	\$318	\$1,273
Plant071	WWTP	Influent Sampler	10	2003	\$4,027	\$403	\$2,014	7,532	\$5,219	\$522	\$2,088
Plant166	WWTP	2 workstations	7	2003	\$3,149	\$630	\$0	7,532	\$4,081	\$583	\$583
Plant159	WWTP	Portable generator	12	2003	\$29,456	\$2,455	\$17,267	7,532	\$38,174	\$3,181	\$19,087
Plant178	WWTP	Rebuild Muffin Monster #2	10	2004	\$8,225	\$823	\$4,112	8,192	\$9,800	\$980	\$4,900
Plant177	WWTP	Sodium Bisulfite Tank	10	2004	\$14,881	\$1,488	\$7,441	8,192	\$17,731	\$1,773	\$8,865
Plant181	WWTP	Muffin Controllers	20	2004	\$3,587	\$179	\$2,690	8,192	\$4,274	\$214	\$3,205
Plant171	WWTP	Pipe Threading Machine	10	2004	\$5,171	\$517	\$2,586	8,192	\$6,161	\$616	\$3,081
Plant170	WWTP	Trailer	10	2004	\$3,508	\$351	\$1,754	8,192	\$4,180	\$418	\$2,090
Plant179	WWTP	Replace Valves & RAS pum	10	2004	\$3,220	\$322	\$1,610	8,192	\$3,837	\$384	\$1,918
Plant169	WWTP	Cleaner	10	2004	\$1,991	\$199	\$996	8,192	\$2,372	\$237	\$1,186
Plant180	WWTP	Install drain lines	25	2004	\$12,310	\$492	\$9,848	8,192	\$14,667	\$587	\$11,734
Plant173	WWTP	Rplmt Speed Reducer DAF-	10	2004	\$2,829	\$283	\$1,414	8,192	\$3,371	\$337	\$1,685
Plant172	WWTP	Incubator	10	2004	\$2,748	\$275	\$1,374	8,192	\$3,274	\$327	\$1,637
Plant174	WWTP	Diesel Drive Pump	10	2004	\$29,531	\$2,953	\$14,766	8,192	\$35,186	\$3,519	\$17,593
Plant175	WWTP	By Pass Pump	10	2004	\$1,667	\$167	\$834	8,192	\$1,986	\$199	\$993
Plant176	WWTP	Chlorine Analyzer	10	2004	\$8,851	\$885	\$4,426	8,192	\$10,546	\$1,055	\$5,273
13	WWTP	SODIUM BISULFITE TANK	20	2005	\$30,214	\$1,511	\$24,172	8,567	\$34,424	\$1,721	\$27,539
8	WWTP	SLUICE GATE-INSTALLATI	10	2005	\$5,890	\$589	\$3,534	8,567	\$6,711	\$671	\$4,026
7	WWTP	SLIDE GATES-CONTACT C	10	2005	\$17,517	\$1,752	\$10,511	8,567	\$19,957	\$1,996	\$11,974
6	WWTP	LIGHTING REPLACEMENT	10	2005	\$13,923	\$1,392	\$8,353	8,567	\$15,863	\$1,586	\$9,518
5	WWTP	EQUIPMENT / TOOLS	10	2005	\$7,321	\$732	\$4,393	8,567	\$8,341	\$834	\$5,005
4	WWTP	EMERGENCY REPLACEME	10	2005	\$19,341	\$1,934	\$11,605	8,567	\$22,036	\$2,204	\$13,221
3	WWTP	EFFLUENT MULTI-METER	10	2005	\$11,653	\$1,165	\$5,826	8,567	\$13,276	\$1,328	\$7,966
2	WWTP	CONDUIT BENDER REPLA	10	2005	\$5,226	\$523	\$2,613	8,567	\$5,954	\$595	\$3,572
1	WWTP	AERIAL LIFT	10	2005	\$14,160	\$1,416	\$7,080	8,567	\$16,133	\$1,613	\$9,680
10	WWTP	Slice gate replace	10	2005	\$6,826	\$683	\$4,096	8,567	\$7,777	\$778	\$4,666
9	WWTP	WORKSTATION MODIFICA	10	2005	\$4,859	\$486	\$2,915	8,567	\$5,536	\$554	\$3,322
T-2006.2	WWTP	MUFFIN MONSTER-REBUI	6	2005	\$6,875	\$1,375	\$3,896	8,567	\$7,833	\$1,305	\$2,611
11	WWTP	IIPP Plan Creation	10	2005	\$1,200	\$120	\$720	8,567	\$1,367	\$137	\$820
12	WWTP	Site Plan Survey-Master Pla	20	2005	\$3,210	\$161	\$2,568	8,567	\$3,657	\$183	\$2,926
T-2007.3	WWTP	MUFFIN MONSTER REBUI	6	2006	\$10,072	\$2,014	\$6,715	8,879	\$11,073	\$1,845	\$5,536
T-2006.3	WWTP	INFLUENT PUMP STATION	20	2006	\$509,996	\$25,500	\$456,871	8,879	\$560,659	\$28,033	\$476,560
T-2006.1	WWTP	EMERGENCY REPLACEME	10	2006	\$18,652	\$1,865	\$14,922	8,879	\$20,505	\$2,050	\$14,353
T-2008-6	WWTP	Maintenance / Shop Bldg -Al	35	2007	\$3,716	\$106	\$3,610	9,182	\$3,950	\$113	\$3,725
	WWTP	Misc. Phone System Upgrac	6	2007	\$21,814	\$4,363	\$13,452	9,182	\$23,191	\$3,865	\$15,461
	WWTP	Misc. Computer/SCADA Upg	3	2007	\$29,600	\$9,867	\$9,733	9,182	\$31,467	\$10,489	\$10,489
T-2008-12	WWTP	Disinfection Project	20	2007	\$10,588	\$529	\$10,059	9,182	\$11,256	\$563	\$10,130
T-2008-2	WWTP	Clarifier Drives - Replaceme	15	2007	\$11,598	\$773	\$10,825	9,182	\$12,330	\$822	\$10,686
T-2008-4	WWTP	Aeration Header - Replacem	20	2007	\$218,933	\$10,947	\$207,986	9,182	\$232,746	\$11,637	\$209,472
T-2008-8	WWTP	Wet Well Gas Detection	10	2007	\$5,830	\$583	\$5,247	9,182	\$6,198	\$620	\$4,958
T-2007.1	WWTP	Maintenance / Shop Bldg - N	35	2007	\$1,703,738	\$48,678	\$1,642,890	9,182	\$1,811,238	\$51,750	\$1,707,738
T-2008-1	WWTP	Elec Cart for Plant - New	10	2007	\$8,171	\$817	\$7,354	9,182	\$8,687	\$869	\$6,949
T-2008-11	WWTP	Site and Building Master Pla	35	2007	\$24,076	\$688	\$23,388	9,182	\$25,595	\$731	\$24,133
T-2008-10	WWTP	Hypo Pumps-Control Unit	10	2007	\$3,254	\$325	\$2,929	9,182	\$3,459	\$346	\$2,767
T-2007.2	WWTP	Emergency Replacements	10	2007	\$3,992	\$399	\$3,593	9,182	\$4,244	\$424	\$3,395
T-2008-9	WWTP	Blower Control System	20	2007	\$76,965	\$3,848	\$73,117	9,182	\$81,821	\$4,091	\$73,639

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MSD Fixed Assets & Depreciation: Original and Replacement Cost Valuation

<i>Asset Number</i>	<i>Fac Desc</i>	<i>Description</i>	<i>Updated Life</i>	<i>Yr in Service</i>	<i>Original Cost (OC)</i>	<i>FY 08-09 Depreciation</i>	<i>Original Cost Less Depreciation (OCLD)</i>	<i>Service Year ENRCCI SF</i>	<i>2009 Replacement Cost (RC)</i>	<i>RC Depreciation</i>	<i>2009 RCNLD</i>
T-2008-7	WWTP	Biosolids Reuse	7	2007	\$2,194	\$313	\$1,881	9,182	\$2,332	\$333	\$1,666
T-2009-1	WWTP	2009 Ford Escape Hybrid Ve	10	2008	\$30,985	\$3,099	\$27,887	9,823	\$30,789	\$3,079	\$27,710
	WWTP	CCTV Camera, Cable & Sle	8	2008	\$47,019	\$5,877	\$41,142	9,823	\$46,721	\$5,840	\$40,881
T-2008-5	WWTP	Turbidity Meter - Replaceme	7	2008	\$3,103	\$443	\$2,660	9,823	\$3,083	\$440	\$2,643
T-2009-2	WWTP	New WAS pump	20	2008	\$11,392	\$570	\$10,822	9,823	\$11,320	\$566	\$10,754
	WWTP	Muffin Monster Replacemen	15	2009	\$93,698	\$6,247	\$87,451	9,761	\$93,698	\$6,247	\$93,698
T-2009-4	WWTP	2008 Whisperwatt, trailer mc	12	2009	\$45,078	\$3,757	\$41,322	9,761	\$45,078	\$3,757	\$45,078
Total					\$31,482,704	\$688,308	\$19,431,770		\$121,991,201	\$2,114,301	\$56,089,111



Montecito Sanitary District

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Santa Barbara, CA 93108

A Public Service Agency

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MANAGER'S REPORT

For the Regular Board Meeting of

September 9, 2021

8. DISTRICT OPERATIONS AND MAINTENANCE

A. Information Items

General Manager Brad Rahrer, P.E. will provide informational, nonactionable, updates regarding matters before the District.

B. Agreements to be Signed

None

C. Operations and Maintenance Reports

For the period of August 16, 2021 through August 29, 2021

WASTEWATER TREATMENT PLANT STATISTICS FOR DURATION: 13 DAYS

Flows	7.205 MG	0.514 MGD avg
Hypochlorite used	1,836 Gal	131 Gallons day, avg
Bisulfite used	1,469 Gal	102 Gallons day, avg.
Effluent T.S.S.		3.8 mg/L avg
Effluent CBOD ₅		3.7 mg/L avg
BAC-T		< 2.0 MPN/100mL median
Rainfall	0.00 inches	

SLUDGE DISPOSAL - LOAD AND DISPOSAL BY ENGEL & GRAY

<u>Load Date</u>	<u>Total Haul in pounds</u>	<u>Total haul in Tons</u>
8/17/2021	34,981	17.49
8/26/2021	35,257	17.62
<u>Totals:</u>	<u>70,238 pounds</u>	<u>35.11 tons</u>

PLANT OPERATIONS

- No violation of the NPDES permit during this reporting period.
- Operated the belt press for a total of 11.8 hours.
- 8/24/2021 after hours alarm call-out for low chlorine residual alarm.

PLANT MAINTENANCE

- Performed routine inspections and maintenance of District Buildings and Equipment.
- Worked on Boardroom remodel project.

COLLECTIONS

- No public sewer system overflows this reporting period.
- 1 private sewer system overflow this reporting period.
- Linear Feet Cleaned: 10,784 ft, 2.04 Miles
- Linear Feet Inspected: 551 ft, 0.10 Miles
- 8/28/2021 Afterhours call out for private sewer system overflow located on 300 block of San Ysidro Road.
- 8/29/2021 Afterhours call-out for site building alarm.

LABORATORY

During this 14-day period the Laboratory Manager and Operators assigned to the Laboratory performed the following activities:

- Collected 86 samples
- Ran 133 tests plus 34 duplicate tests for NPDES permit compliance and process control
- Performed 13 calibrations on laboratory equipment and 250 quality control checks