



**NOTICE OF MEETING
BOARD OF DIRECTORS**

MEETING DATE: Tuesday, September 25, 2018
TIME: 7:30 p.m.
LOCATION: MMWD Board Room, 220 Nellen Ave., Corte Madera, CA 94925

AGENDA

ITEM	RECOMMENDATION	APPROX. START
<input type="checkbox"/> CALL TO ORDER		7:30 p.m.
<input type="checkbox"/> ADOPT AGENDA		7:38 p.m.
<input type="checkbox"/> PUBLIC EXPRESSION*		7:40 p.m.
<input type="checkbox"/> DIRECTORS' AND GENERAL MANAGER'S ANNOUNCEMENTS		7:50 p.m.
<input type="checkbox"/> CONSENT CALENDAR – ITEMS 1- 2		7:55 p.m.
1. Minutes of September 4, 2018	<i>Approve</i>	
2. General Manager's Monthly Report for August	<i>Approve</i>	
<input type="checkbox"/> REGULAR CALENDAR		
3. Water Production and Storage Report	<i>Information</i>	8:05 p.m.
4. Ordinance No. 440 regarding Connection Fees: A. Public Hearing B. Ordinance No. 440	<i>Conduct Adopt</i>	8:10 p.m.
5. Affordability Programs for Low-Income and Medically Disabled	<i>Information</i>	8:15 p.m.
6. Amendment No. 3 to Agreement with US Forest Service for Resilient Forest Cooperative Rsearch Project (MA - 5378)	<i>Approve</i>	8:20 p.m.
7. Amendment No. 4 to MOU with Golden Gate National Parks Conservancy Vegetation Mapping Project (MA - 5311)	<i>Approve</i>	8:25 p.m.
8. Winter Habitat and Floodplain Enhancement Project: Change Order (CN 1838)	<i>Approve</i>	8:30 p.m.
9. Future Meeting Schedule	<i>Information</i>	8:35 p.m.

MMWD BOARD OF DIRECTORS: Larry Bragman, Jack Gibson, Cynthia Koehler, Armando Quintero, Larry Russell

**Anyone wishing to speak on an item other than those listed on this agenda will be recognized at this time. We ask any person wishing to be heard to come to the podium to address the board and state your name and address for the public record. A 3-minute limit is customary; however the committee chair may adjust the actual time allotted to accommodate the number of speakers.*

***All matters listed on the consent calendar are considered to be routine and will be enacted by a single action of the board, unless specific items are removed from the consent calendar during adoption of the agenda for separate discussion and action.*

10.	<p>CLOSED SESSION:</p> <p>A. Conference with Real Property Negotiators Pursuant to Government Code Section 54956.8 Property Location: APN#s 197-120-21 and 197-120-40 FAA "Golf Ball" ARSR site West Peak Mt. Tam & FAA RCAG site Middle Peak, Mt. Tamalpais Negotiating Parties: Krishna Kumar, MMWD and Damon McGruder, FAA Under Negotiation: Price & Terms of Payment / Leases</p> <p>B. Pursuant to Government Code Section 54957 Public Employee Appointment Title: General Manager</p>
-----	---

ADA NOTICE AND HEARING IMPAIRED PROVISIONS: The board room is equipped with sound amplifying units for use by the hearing impaired. The units operate in conjunction with the room's sound system. You may request the personal sound amplifier from the Board Secretary for use during meetings.

In accordance with the Americans with Disabilities Act and California Law, it is the policy of the Marin Municipal Water District to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled and require a copy of a public hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodation, please contact Stephanie Eichner-Gross at (415) 945-1448, at least two days in advance of the meeting. Advance notification within this guideline will enable the district to make reasonable arrangements to ensure accessibility.

* * * * *

INFORMATION PACKETS ARE AVAILABLE FOR REVIEW AT THE CIVIC CENTER LIBRARY, CORTE MADERA LIBRARY, FAIRFAX LIBRARY, MILL VALLEY LIBRARY, MMWD OFFICE, AND MMWD WEBSITE (MARINWATER.ORG)

* * * * *

FUTURE BOARD MEETINGS:

Tuesday, October 2, 2018, 7:30 p.m.	MMWD Board Room
Tuesday, October 16, 2018, 7:30 p.m.	MMWD Board Room



**MARIN MUNICIPAL
WATER DISTRICT**

ITEM No. 1

MEETING DATE: September 25, 2018

MEETING: Board of Directors

STAFF REPORT

SUBJECT: Minutes

SUBMITTED BY: District Secretary

RECOMMENDED ACTION: Approve minutes from the September 4, 2018 meeting

ATTACHMENTS

Minutes

**THE BOARD OF DIRECTORS
OF MARIN MUNICIPAL WATER DISTRICT**

Minutes of the meeting of the Board of Directors held on Tuesday, September 4, 2018 at 220 Nellen Avenue, Corte Madera, California.

Directors present: Larry Bragman, John C. Gibson, Cynthia Koehler, Armando Quintero, and Larry L. Russell

Directors absent: None

CALL TO ORDER

Director Quintero called the meeting to order at 7:30 p.m.

AGENDA

On motion of Director Bragman, seconded by Director Gibson, the agenda was adopted by the following vote:

Ayes:	Directors Bragman, Gibson, Koehler, Quintero, and Russell
Noes:	None
Absent:	None
Abstain:	None

PUBLIC EXPRESSION

The following people spoke in support of allowing e-bikes on the watershed:

Bob Mittelstaedt, Kentfield; Christopher Barnes, Nicasio; Marty Albion; Larry Kushner, Lake Tahoe and Kathleen Harwood

Director Koehler requested an item be agendized so the Board could engage in dialogue with the speakers.

Director Bragman asked District General Counsel Mary Casey if it were possible to create licenses or permits for older riders and also for ADA access. Ms. Casey agreed to look into the matter.

Director Armando said that the Board wanted to have these types of discussions on e-bikes once the topic is agendized. He thanked the speakers for their comments and encouraged them to come again once the topic is agendized.

DIRECTORS' AND GENERAL MANAGER'S ANNOUNCEMENTS

Michael Ban, Engineering and Environmental Services Division Manager, announced that Stephanie Eichner-Gross would return to take the minutes as Board secretary after tonight. The Board and Mr. Ban thanked Donna Lahey, Senior Administrative Assistant, for her support over the last several months.

CONSENT CALENDAR (ITEM 1)

ITEM 1 Minutes of August 21 and 23, 2018 Meetings

On motion of Director Gibson, seconded by Director Koehler, Consent Calendar Item 1 was approved by the following vote:

Ayes: Directors Bragman, Gibson, Koehler, Quintero, and Russell
Noes: None
Absent: None
Abstain: None

ITEM 2 WATER PRODUCTION AND STORAGE REPORT

Michael Ban, Engineering and Environmental Services Division Manager, reported that the average water production of 27 million was a little less than last year and that MMWD was releasing about 8.7 million into Lagunitas and Walker Creeks.

There was a brief discussion. Director Quintero suggested thinking of new measurements to report on that would reflect the overall health of the watershed environment such as soil and fuel moisture and soil health. Director Bragman supported this idea.

ITEM 3 FUTURE MEETING SCHEDULE

Michael Ban, Engineering and Environmental Services Division Manager, reminded the Board about the closed session on September 13 at the Romberg Center. There was a brief discussion.

ADJOURNMENT

There being no further business, the meeting of September 4, 2018, was adjourned at 8:00 p.m.

President, Board of Directors

ATTEST:

Secretary



STAFF REPORT

SUBJECT: General Manager's Report for August 2018

SUBMITTED BY: Krishna Kumar, General Manager

RECOMMENDED ACTION: Accept Report

EXECUTIVE SUMMARY:

SUMMARY:

AF = Acre Feet
Mg/L = milligrams per liter
MPN = most probable number
MPY = mils per year
MG = million gallons
NTU = nephelometric turbidity units

A. Water Production:

Item	FY 2018/19		FY 2017/18	
	(million gallons)	(acre-feet)	(million gallons)	(acre-feet)
Potable				
Total production this FY	1,824	5,597	1,827	5,607
Monthly production, August	910	2,793	906	2,781
Daily average, August	29.36	90.11	29.23	89.71
Recycled				
Total production this FY	65.08	199.72	67.67	207.67
Monthly production, August	32.25	98.97	32.74	100.48
Daily average, August	1.04	3.19	1.06	3.24
Raw Water				
Total production this FY	47.27	145.07	44.57	136.78
Monthly production, August	25.63	78.66	21.56	66.17
Daily average, August	0.83	2.54	0.70	2.13
Imported Water				
Total imported this FY	246	756	292	896
Monthly imported, August	124	382	173	532
Reservoir Storage				
Total storage, August 31	21,264	65,256	22,102	67,830
Storage change during month	-1,257	-3,857	-1,229	-3,771
Stream Releases				
Total releases this FY	532	1,633	554	1,699
Monthly releases, August	278	855	282	866

B. <u>Precipitation:</u>	<u>FY 2018/19 (in.)</u>	<u>FY 2017/18 (in.)</u>
Alpine	0.00	0.00
Bon Tempe	0.00	0.00
Kent	0.00	0.00
Lagunitas *	0.00	0.00
Nicasio	0.00	0.00
Phoenix	0.00	0.00
Soulajule	0.00	0.00

* Average to date = 0.15 inches

C. Water Quality:

<u>Laboratory:</u>	<u>FY 2018/19</u>	<u>FY 2017/18</u>
Water Quality Complaints:		
Month of Record	16	8
Fiscal Year to Date	37	8
 Water Quality Information Phone Calls:		
Month of Record	2	10
Fiscal Year to Date	7	10

The lab performed 2,654 analyses on lakes, treatment plants and distribution system samples.

Mild steel corrosion rates averaged 4.24 (0.67 – 6.46) MPY. The AWWA has recommended an operating level of <5 MPY with a goal of <1 MPY.

Tank Survey Program: 20 water storage tanks were surveyed during the month 65.40 % of the planned survey program has been completed for calendar year 2018.

Disinfection Program: 3,326 feet of new pipeline was disinfected during the month.

Water Treatment:

<u>Treatment Results</u>	<u>San Geronimo</u>		<u>Bon Tempe</u>		<u>Ignacio</u>	
	Average	Monthly Goal	Average	Monthly Goal	Average	Monthly Goal
Turbidity (NTU)	0.08	≤0.10	0.05	≤0.10	0.05	≤0.10
Chlorine residual (mg/L)	2.55	2.50*	2.52	2.50*	2.53	2.50*
Color (units)	0.20	≤15	0.10	≤15	0.10	≤15
pH (units)	7.8	7.8*	7.9	7.8*	8.1	>8.1**

* Set monthly by Water Quality Lab

** pH to Ignacio is controlled by SCWA

Recycled Water

<u>Las Gallinas Recycled Water Plant</u>	<u>Average</u>	<u>MMWD Goal</u>
Turbidity	0.26 NTU	≤1.0 NTU
Chlorine residual	3.99 Mg/L	4.00 Mg/L
pH	8.20 Units	8.20 Units

D. Capital Improvement

1. Smith Saddle Pump Station

Summary: This project involves the installation of a new pump station next to the District's Smith Saddle Tanks in the Town of Fairfax.

- Project Budget: \$1,247,000
- Monthly Activities: Finishing electrical work and preparing for a test start up.

2. Tiburon Fire Flow Improvement Project

Summary: This project involves the installation of 14,760 feet of pipe to replace fire flow deficient pipe in the Town of Tiburon and unincorporated Marin County.

- Project Budget: \$4,266,000
- Monthly Activities: Construction completed. Finishing up contract closeout.

3. Almonte Fire Flow Improvement Project

Summary: This project involves the installation of 3,800 feet of pipe to replace 60-year old, fire flow deficient, pipe in coordination with the County's street paving program.

- Project Budget: \$1,118,347
- Monthly Activities: Construction completed. Finishing up contract closeout.

4. San Anselmo Pipeline Replacement Project

Summary: This project involves the installation of 5,280 feet of pipe to replace 90-year old pipe in coordination with RVSD and the Town's street paving program.

- Project Budget: \$2,122,180
- Monthly Activities: Finishing up paving, curb & gutter repairs and punch list items.

5. Southern Marin Line Slide Repair at SM-13

Summary: This project involves the installation soldier pile retaining wall near our water transmission line on the Southern Marin Line Fire Rd.

- Project Budget: \$122,770
- Monthly Activities: Contractor has drilled holes and placed piles.

6. Southern Marin Line Slide Repair at SM-3

Summary: This project involves the installation of a soil nail wall near our water transmission line on the Southern Marin Line Fire Rd.

- Project Budget: \$157,850

- Monthly Activities: Project was awarded and shall start construction 10/8/2018.

7. Concrete Pipe Road Slide Repair at CP-9

Summary: This project involves the installation of a soldier pile retaining wall near our water transmission line on Concrete Pipe Road on MMWD watershed land.

- Project Budget: \$198,369
- Monthly Activities: Project was awarded and shall start construction 10/8/2018.

8. Concrete Pipe Road Slide Repair at CP-26

Summary: This project involves the installation of a soldier pile retaining wall near our water transmission line on Concrete Pipe road on MMWD watershed land.

- Project Budget: \$337,469
- Monthly Activities: Project was awarded and shall start construction 10/8/2018.

9. Phoenix Dam Rd Slide Repair at Spillway

Summary: This project involves the installation of a soldier pile retaining wall on Phoenix Dam Rd to repair a slide and provide access to our facilities.

- Project Budget: \$110,530
- Monthly Activities: Project was awarded and shall start construction 8/1/2018.

10. Baywood Phase 1

Summary: This project involves the installation of 4,080 feet of pipe to replace fire flow deficient pipe in the Town of Ross.

- Project Budget: \$815,935
- Monthly Activities: Contractor started installing mainline on Southwood.

11. San Geronimo Clarifier Seismic Upgrade

Summary: This project involves the installation of clarifier seismic upgrades at the San Geronimo Water Treatment Plant within the County of Marin.

- Project Budget: \$5,588,000
- Monthly Activities: Project awarded to Mountain Cascade to start in November.

E. Other:

<u>Pipeline Installation</u>	<u>FY2018/19</u>	<u>FY2017/18</u>
Pipe installed during August (feet)	2,148	1,368
Total pipe installed this fiscal year (feet)	6,499	1,368
Total miles of pipeline within the District	908*	908*

* Reflects adjustment for abandoned pipelines

<u>Pipe Locates</u>	<u>FY2018/19</u>	<u>FY2017/18</u>
Month of August (feet)	69,239	88,154
Total this fiscal year (feet)	129,442	166,412

<u>Main Line Leaks Repaired:</u>	<u>FY2018/19</u>	<u>FY2017/18</u>
Month of August	17	18

Total this fiscal year	28	23
<u>Services:</u>	<u>FY2018/19</u>	<u>FY2017/18</u>
Service upgrades during August	14	20
Total service upgrades this FY	28	50
Service connections installed during August	2	4
Total service connections installed this FY	5	7
Total active services as of September 1, 2018	60,552	60,362

F. Demand Management:

WATER-EFFICIENCY PROGRAMS		<u>Aug-18</u>	<u>FY 18/19</u> <u>TOTAL</u>	<u>FY 17/18</u> <u>TOTAL</u>	<u>FY 16/17</u> <u>TOTAL</u>
Conservation Assistance Program (CAP) Consultations					
Residential properties resi 1-2 (single-family)	20	29	331	314	
Residential properties resi 3-5 (multi-family units)	0	1	7	5	
Non-residential properties resi 6-7 (commercial)	2	2	15	39	
Dedicated irrigation accounts resi 8-10 (large landscape)	1	1	9	17	
Marin Master Gardeners' Marin-Friendly Garden Walks					
Residential garden walks	19	38	136	87	
CYES Water/Energy Surveys (seasonal)					
Residential surveys	0	-	256	222	
Tier 4 Exemption Program					
Applications	0				
Inspections that resulted in a pass		-	1	2	
Public Outreach and Education, Customer Service					
Public outreach events (number of people attending)	5000	10,000	11,825	15,604	
Public education events (number of participants)	0	-	15,800	10	
Phone calls admin staff	246	406	2,733	3,004	
		<u>FY 18/19</u> <u>TOTAL</u>	<u>FY 17/18</u> <u>TOTAL</u>	<u>FY 16/17</u> <u>TOTAL</u>	
School Education					
School assemblies					
Number of activities	0	-	18	20	
Number of students reached	0	-	6,281	6,102	
Field trips					
Number of activities	0	-	16	12	
Number of students reached	0	-	489	330	
Classroom presentations					
Number of activities	0	-	29	22	
Number of students reached	0	-	855	547	

Other (e.g. booth events, school gardens)				
Number of activities	0	-	4	4
Number of students reached	0	-	1,252	-
Incentives				
Number of HETs approved	52	106	576	968
Number of HECWs approved	5	7	75	408
5 x \$50 - Rebate Incentive Program (start date Oct. 25, 2014)				
Number of Organic Mulch approved	7	18	83	170
Number of Rain Barrels approved	0	1	7	14
Number of Pool Covers approved	0	2	13	26
Number of Hot Water Recirculating Systems approved	1	2	14	32
Number of Laundry-to-Landscape systems approved	0	-	1	5
Turf Conversion (start date May 1, 2018)				
Irrigation	0	-	-	-
ORDINANCES				
Water Waste Prevention Ordinance				
No. of properties reporting activity	16	34	157	155
Ord. 421 Landscape Plan Review				
Plans submitted	9	15	106	105
Plans exempt	0	1	11	4
Plans completed	3	5	26	19
Plans in workflow (pass & fail)	19	30	134	171

G. Watershed Protection

Ranger Responded to Vehicle Accident

In early August rangers responded to a vehicle that crashed and rolled off Fairfax Bolinas Rd, near Alpine Dam. The car fell nearly 180 feet and the driver was trapped inside. MMWD Rangers were the first on-scene and determined that a rescue with extrication would be needed. The rescue took more than a hour. The driver was airlifted by a CHP helicopter to a trauma center, where we was later arrested by the CHP for drunk driving.



Rangers responded to West Marin Wildfire

Also in early August, MMWD Rangers and other watershed staff assisted Marin County Fire in firefighting efforts on a nearly 50 acre wildfire on the south slope of Black Mountain, near Nicasio Reservoir. MMWD Rangers also help staff MMWD’s Type 3 Fire Engine, which was providing station coverage at the Woodacre Fire Station.



Incidents Total: 263

- 95 Citations Issued
- 85 Public Contacts (warning for violation)
- 38 Visitor Assists
- 14 Vandalism
- 7 Medical Aids
- 5 Calls for Service-Law Enforcement
- 4 Miscellaneous Calls for Service
- 3 Vehicle Trespass
- 2 Shots Fired
- 1 Suspicious Circumstances
- 1 Public Intoxication
- 1 Vehicular Hit and Run
- 1 Illegal Dumping
- 1 Search and Rescue
- 1 Assist Outside Agency-Fire
- 1 Out-of-county fire response
- 1 Found Property
- 1 Illegal Camping/Homeless Encampment
- 1 Assist Watershed Maintenance

Citations Total: 95

- 3 Bike on Trail
- 84 Nonpayment of Parking Fees
- 6 Parking after Sunset
- 1 No Parking
- 1 Parking on Travel Section of Roadway

I. Personnel

Employee authorization as of:
Regular full-time positions

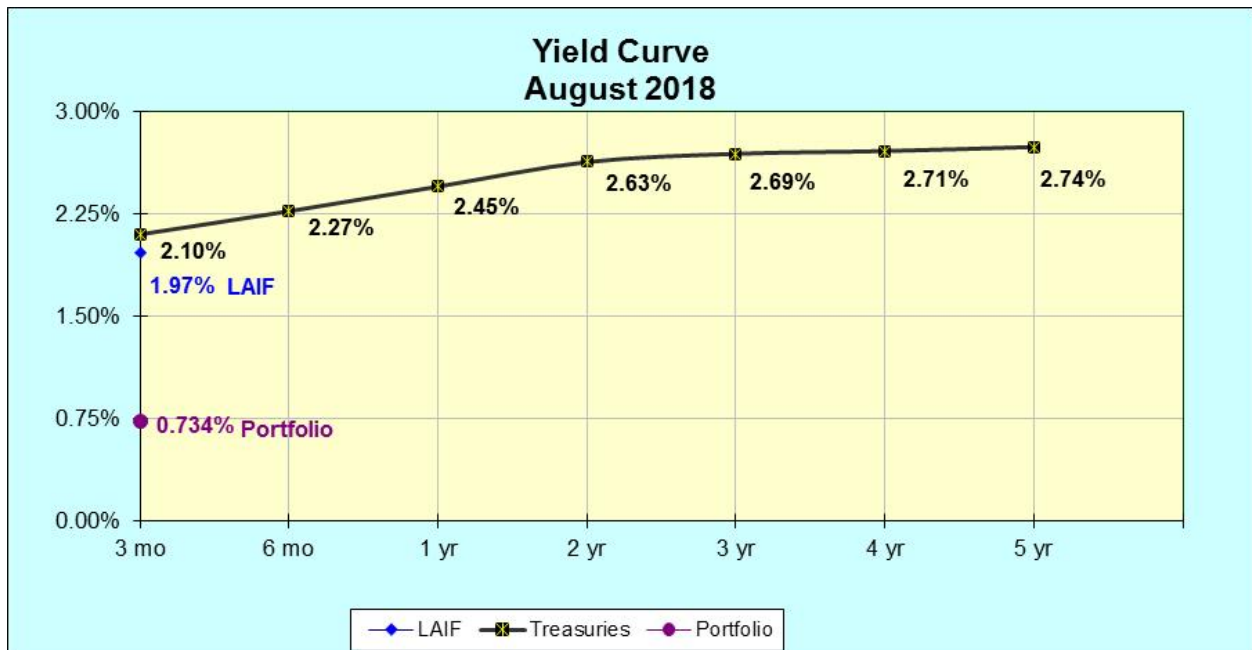
	FTE’s		
	<u>07/01/16</u>	<u>07/01/17</u>	<u>07/01/18</u>
	246.00	244.00	240.00

J. Investment

During the month of August 2018, all activity was to/from LAIF and Fidelity MMF.

Marin Municipal Water District Investment Report as of August 31, 2018							
Investments	Type	Par Value	Coupon	Date Purchased	Maturity	Current Market Value	Purchase Price
Fidelity Money Market Fund	7	7,964,001.56	1.800%			7,964,001.56	7,964,001.56
Local Agency Investment Fund	4	37,170,393.92	1.998%			37,170,393.92	37,170,393.92
Total District Investments		\$ 45,134,395.48				\$ 45,134,395.48	\$ 45,134,395.48
Weighted Average Interest Rate	0.734%						
* callable security							

Dated September 1, 2018. I certify that all investments are made in conformance with the District's approved investment policy and that the District has sufficient liquidity to meet all budgeted and planned obligations during the next six-month period. Respectfully submitted: Mikyung Pustelnik, Finance Manager	Portfolio:	Amount	Percent
	Treasury Bills (1)	\$ 1,000,000.00	2.22%
	Agency Discount Notes (2)	-	0.00%
	Agency Notes (3)	(1,000,000.00)	-2.22%
	LAIF (4)	37,170,393.92	82.35%
	Corp Med Term Notes (5)		0.00%
	Bankers Acceptances (6)	-	0.00%
	Money Market (7)	7,964,001.56	17.65%
	Total Investment	\$ 45,134,395.48	100.00%





STAFF REPORT

SUBJECT: Water Production and Storage Report

SUBMITTED BY: Michael Ban, P.E., Manager
Environmental and Engineering Services Division

RECOMMENDED ACTION: Information

EXECUTIVE SUMMARY:

Daily potable water production for September 13 – September 19 has averaged 27.79 mgd. Information on the district’s water production is illustrated in the attached graphs.

District reservoir storage as of September 19, 2018 is shown in the table below.

Reservoir	Total Capacity (AF)	Water Level From Spillway (feet down)	Storage (AF)	Percent of Total Capacity
Alpine	8,891	13.16	6,338	71.29%
Bon Tempe	4,017	1.81	3,790	94.35%
Kent	32,895	6.91	29,863	90.78%
Lagunitas	350	0.66	334	95.60%
Nicasio	22,430	12.77	13,356	59.54%
Phoenix	411	2.26	371	90.30%
Soulajule	10,572	6.3	8,713	82.41%
Total	79,566	N/A	62,765	78.88%
Historical Average Storage This Date			56,118	N/A
Historical Percent of Total Storage This Date			70.53%	N/A
Percent of Normal Storage This Date			111.84%	N/A

For habitat benefit, the district is currently (as of 9/20/2018) releasing 5.36 mgd from Kent Reservoir into Lagunitas Creek and 3.45 mgd from Soulajule Reservoir into Walker Creek, for total release of 8.81 mgd.

Billed water for the month of August 2018 was 1,413,528 CCFs and was 1.2% higher than the same month last year and cumulatively was 1.6% higher than last year. Water revenue, based on the billed figures for August 2018 was \$8,014,779 and was 4% higher than the same month last year, while cumulative revenue through August 2018 at \$12,635,367 was 3.4% higher than last year.

ATTACHMENTS:

- Monthly Water Production (table)
- Monthly Potable Water Production (graph)
- Running 12-month Potable Water Production (graph)
- Total Reservoir Storage (graph)
- Cumulative Precipitation (graph)
- Cumulative Revenue
- Cumulative Billed Water
- Consumption Comparison
- Water Sales-Budget vs Actual

**Marin Municipal Water District
 Monthly Water Production (acre-feet)**

Total Potable Water Production							% Change (FY19 vs FY18)
Month	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	
July	2,977	2,690	2,287	2,636	2,830	2,802	-1%
August	2,960	2,590	2,369	2,630	2,778	2,792	1%
Total YTD	5,937	5,280	4,656	5,267	5,608	5,594	0%

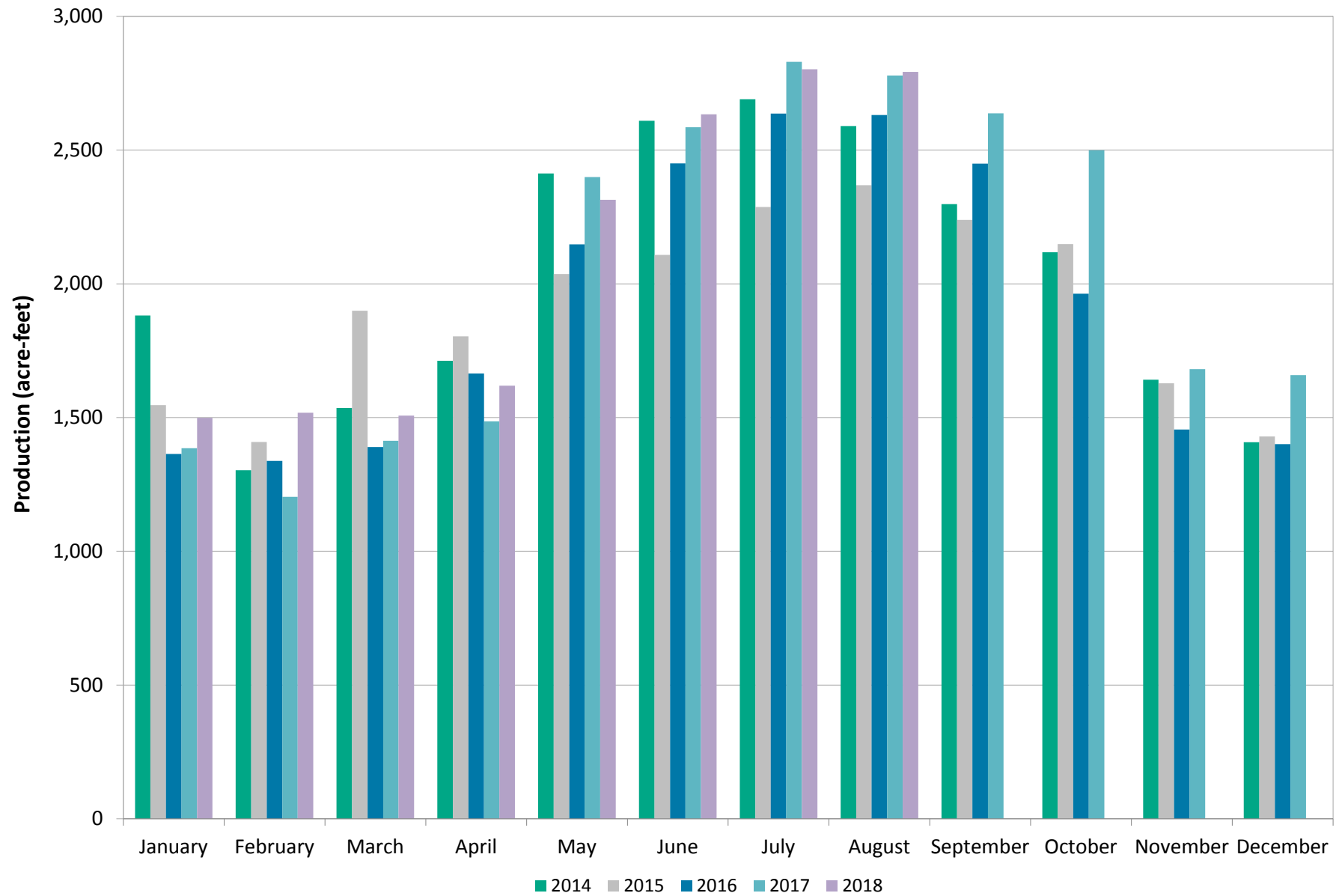
Imported Water Production							% Change (FY19 vs FY18)
Month	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	
July	517	710	364	390	364	374	3%
August	502	451	355	378	532	382	-28%
Total YTD	1,019	1,161	719	768	896	756	-16%

Reservoir Water Production							% Change (FY19 vs FY18)
Month	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	
July	2,460	1,980	1,922	2,246	2,466	2,428	-2%
August	2,458	2,139	2,014	2,253	2,246	2,411	7%
Total YTD	4,918	4,119	3,936	4,498	4,713	4,838	3%

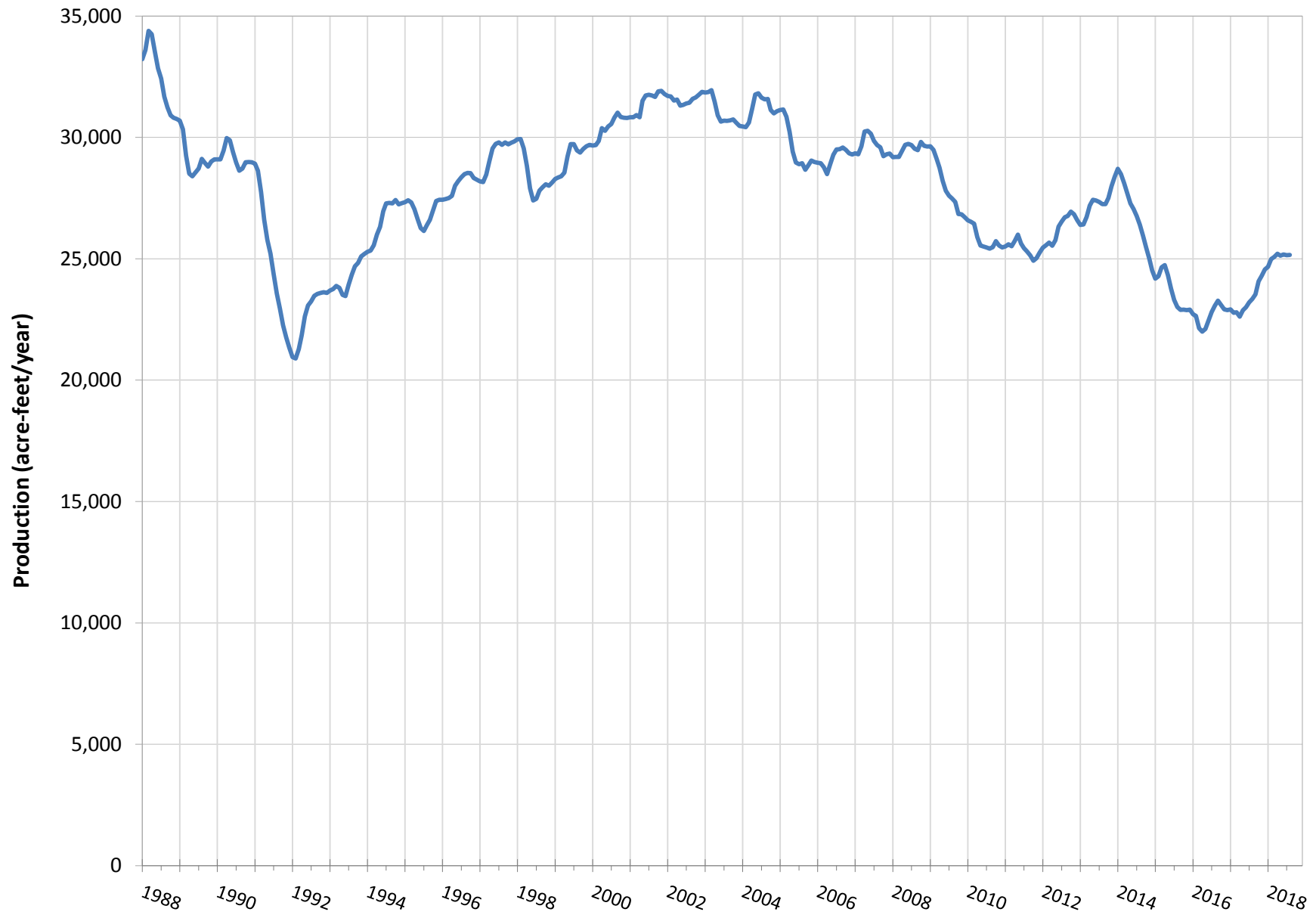
Recycled Water Production							% Change (FY19 vs FY18)
Month	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	
July	109	103	87	97	107	101	-6%
August	103	80	87	92	100	99	-2%
Total YTD	212	183	174	189	208	200	-4%

* During FY 2016, from June 2015 through May 2016, the District operated under the State's May 2015 Emergency Conservation Regulation. During this time, the District reduced water use 21% relative to the same months in 2013, thus exceeding the State's 20% conservation standard for the District.

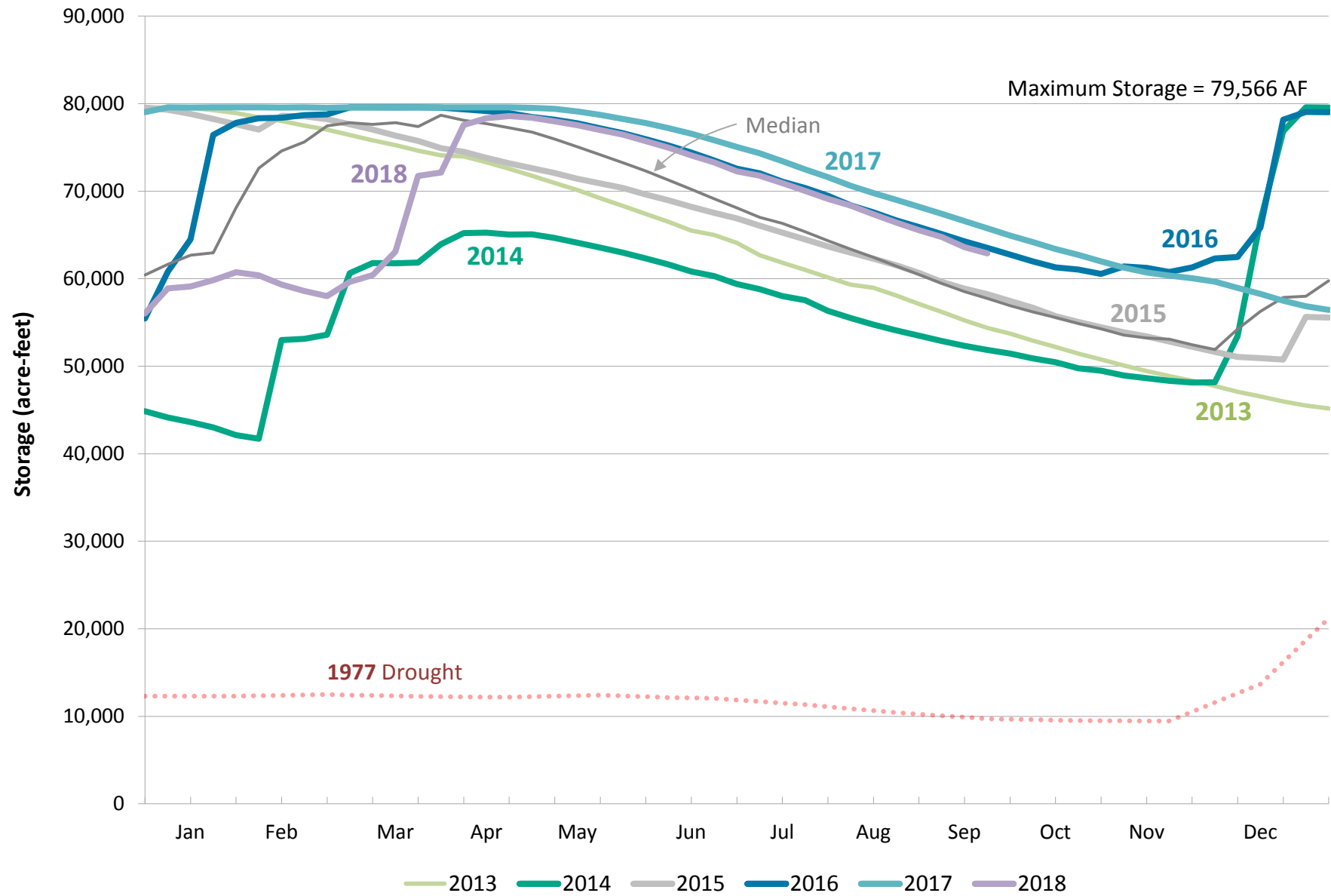
Monthly Potable Water Production



Running 12-month Potable Water Production

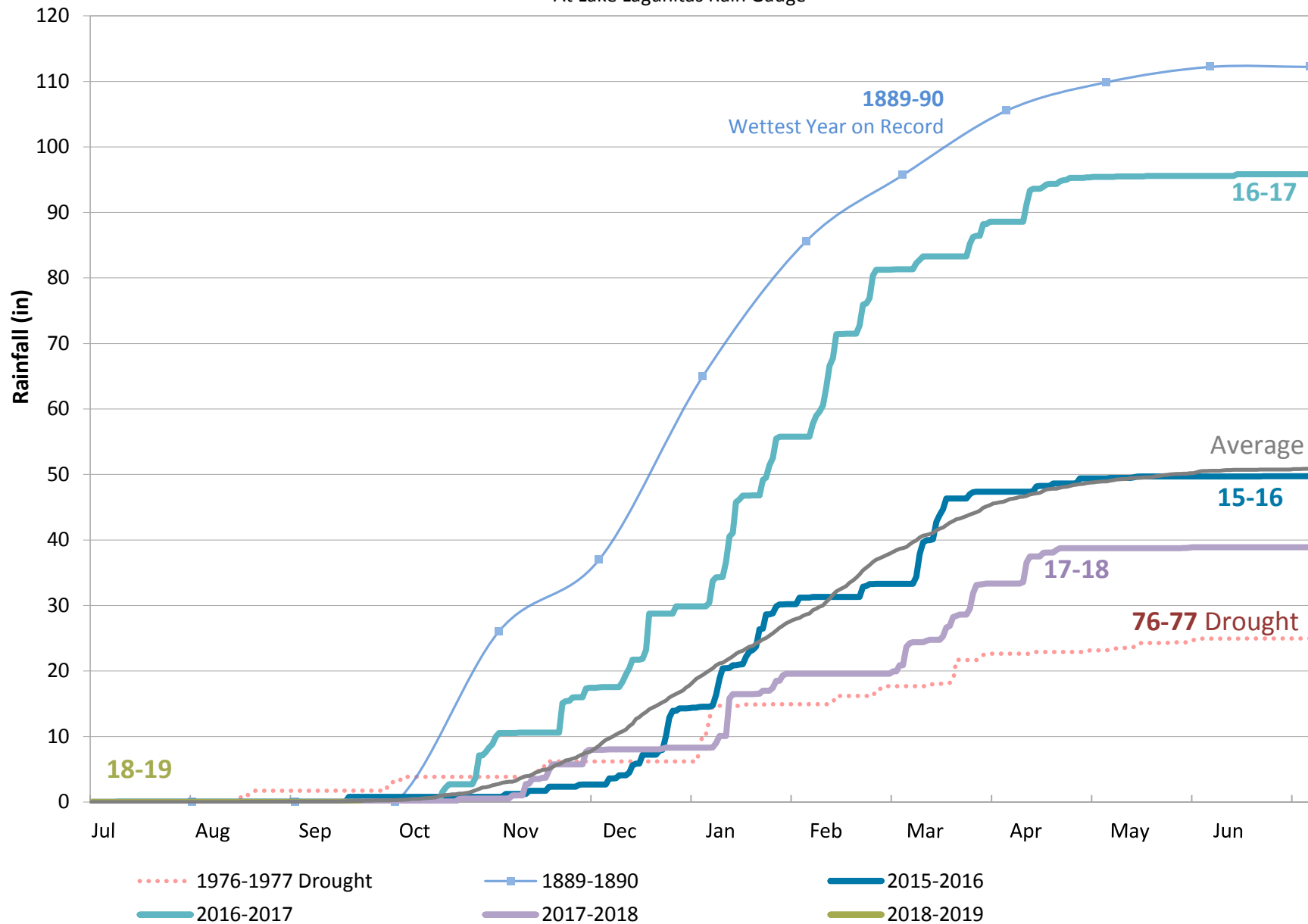


Total Reservoir Storage

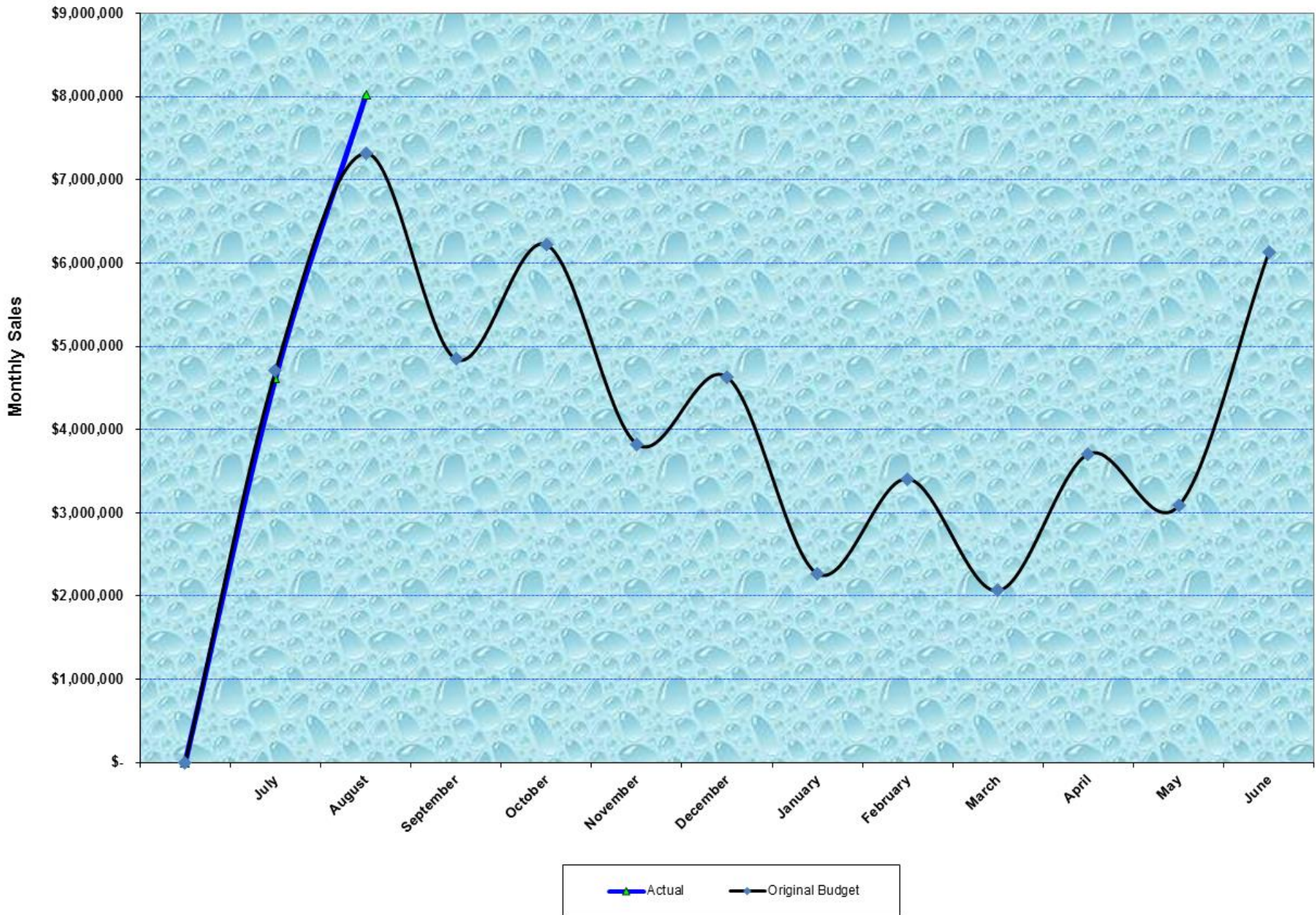


Cumulative Precipitation

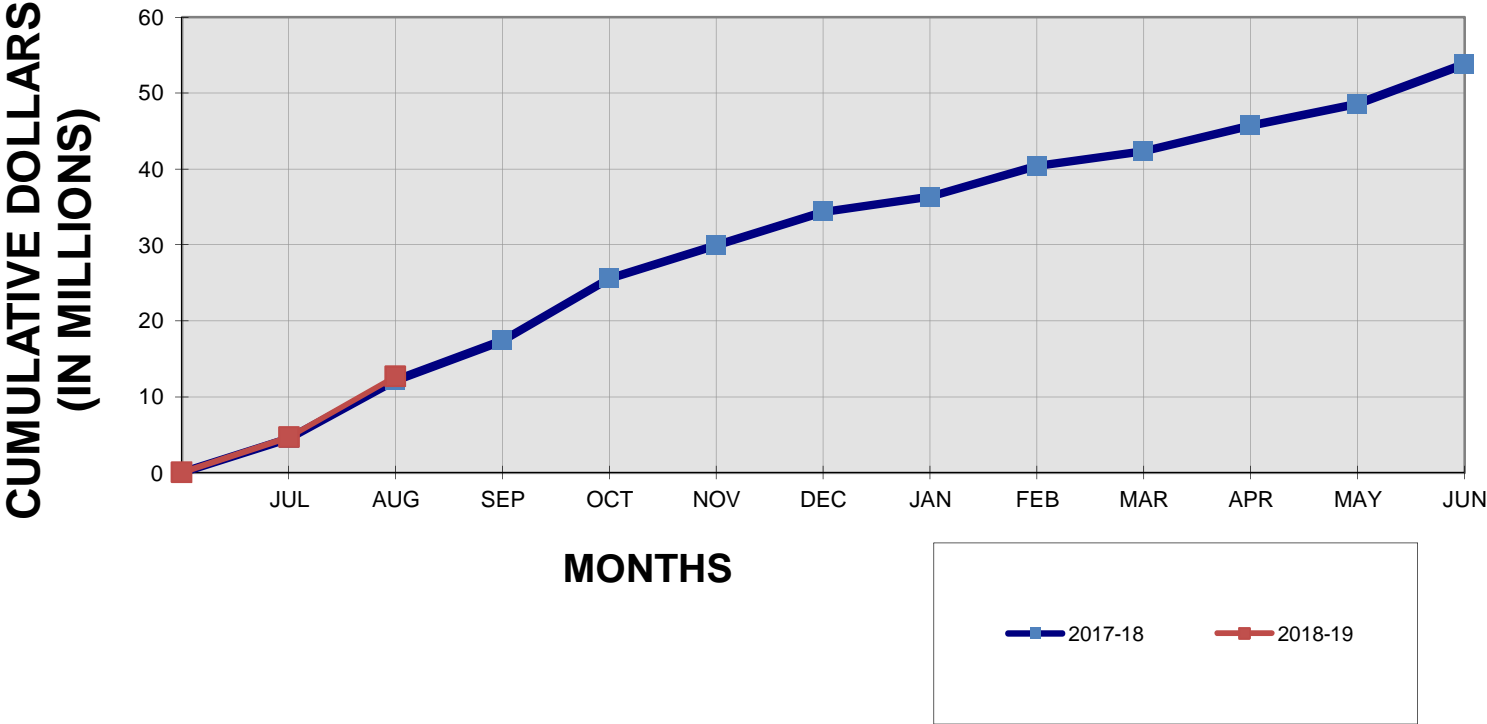
At Lake Lagunitas Rain Gauge



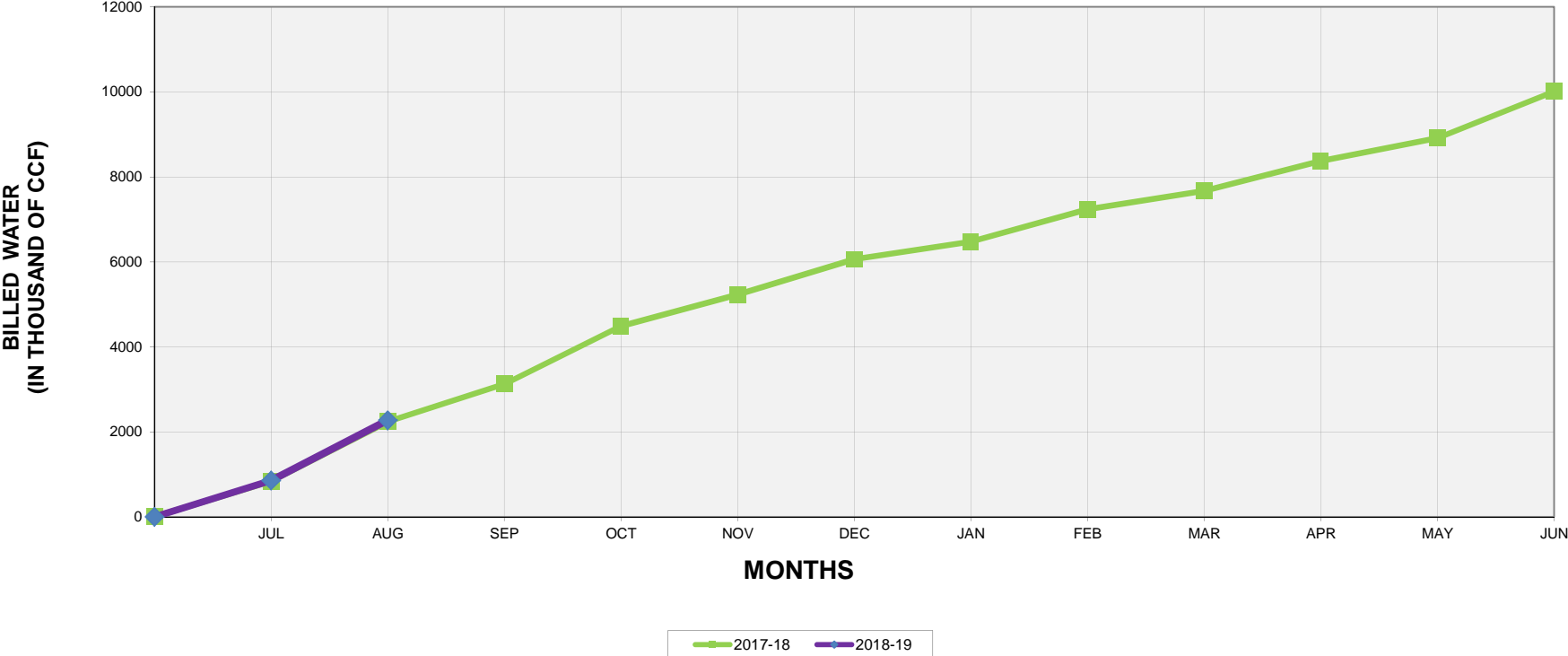
Water Sales - Budget vs Actual FY 2018-19



CUMULATIVE WATER REVENUE



CUMULATIVE BILLED WATER





STAFF REPORT

SUBJECT: 2018 Water Connection Fee Update

SUBMITTED BY: Paul Morrison, Engineering Support Services Manager
Jeff Ohmart P.E., Principal Engineer
Michael Ban, P.E., Division Manager
Environmental and Engineering Services Division

- RECOMMENDED ACTION:**
1. Conduct the public hearing and adopt Ordinance No. 440 Amending Section 11.56.040 of Marin Municipal Water District’s Code Pertaining to Connection Fees
 2. Adopt Resolution No. 8512 Updating Water Connection Fees

EXECUTIVE SUMMARY:

This item was reviewed by the District Operations Committee on August 17, 2018, and is referred to the Board with a recommendation for action as shown above.

Connection fees are one time charges the district assesses for new customers wishing to connect to the district’s water system and existing customers wishing to increase usage. The fee reflects the estimated reasonable cost of capacity used to meet the demands of these customers. The current fee has been in place since 2006. For a new single family connection estimated to use 0.34 acre-feet (111,000 gallons) of water per year, the current fee is \$9,948.40.

A study conducted by The Reed Group, Inc. recommends the district’s connection fee be increased such that the new connection for a new single family house wishing to connect to the district’s water system, with an estimated annual use of 0.34 acre-feet or 111,000 gallons, would be \$11,621.20, an increase of \$1,672.80 or 17% above the current fee of \$9,948.40. Factors such as inflation and the addition of newer capital facilities over the last 12 years have resulted in this increase. In order to timely keep pace with inflation, staff is proposing the new fee be updated annually relative to changes in the Engineering News Record’s Construction Cost Index for San Francisco.

FISCAL IMPACT: YES **No** **FISCAL YEAR:**

BACKGROUND:

New water service customers wanting to connect to the district’s water system and existing water customers wanting to increase or change their usage are charged a connection fee by the district. The connection fee recovers a fair and proportional share of the cost of the district’s infrastructure investments made by existing users that provide existing water system capacity.

The district's current water connection fee was established in 2006 and is \$29,260 per acre-foot (AF) of estimated annual water demand associated with each new water service connection. For example, a new single family home wishing to connect to the district's water system, and estimated to use about 0.34 AF/year, or 111,000 gallons, would be charged a connection fee of \$9,948.40 as follows:

$$\begin{aligned} \text{Current Fee} &= \underline{\$29,260 \text{ per AF}} \text{ of estimated annual water demand} \\ \text{Estimated annual water demand} &= 0.34 \text{ AF/year} \\ \text{Connection Fee} &= (\$29,260/\text{AF}) \times (0.34 \text{ AF/year}) = \$9,948.40 \end{aligned}$$

Total connection fee revenue in FY 2017-2018 was \$571,489.20.

The district retained the Reed Group to update the district's water connection fee. The Water Connection Fee Study is provided in Attachment 1 (please see the district's website at marinwater.org for a copy of this attachment) and recommends the district increase the water connection fee to \$34,180 per acre-foot (AF) of estimated annual water use. The proposed new connection fee of \$34,180 per AF would increase the cost for a new single family home wishing to connect to the district's water system, and estimated to use 0.34 AF/year (111,000 gallons), from \$9,948.40 to \$11,621.20 as follows:

$$\begin{aligned} \text{Proposed New Fee} &= \underline{\$34,180 \text{ per AF}} \text{ of estimated annual water demand} \\ \text{Estimated annual water demand} &= 0.34 \text{ AF/year} \\ \text{New Connection Fee} &= (\$34,180/\text{AF}) \times (0.34 \text{ AF/year}) = \$11,621.20 \end{aligned}$$

The proposed connection fee is based on the system buy-in methodology. This approach is appropriate for the district where the water system is largely built out and new development will generally rely on existing water system capacity. The system buy-in methodology is determined by taking the current value of assets (depreciated historical cost escalated to current dollars) divided by the current annual water demand. The system buy-in methodology is a reimbursement for past capital costs and excludes the cost of future facilities because those facilities are generally designed to upgrade and replace existing facilities and are not designed to increase the capacity of the water system. The use of capacity charge revenue is to reimburse the utility for prior infrastructure investments, of which there are no restrictions on how the utility is able to spend the revenue, simplifying the accounting of how the revenue is spent.

The amount of the connection fee charged to each new water service is based on an estimate of the annual water demand associated with each new water service connection or each change in character of water use. Estimated water demand for residential connections is based on an area average for the neighborhood where the home is built. Water demand factors for single family homes range from 0.09 AF to 2.03 AF, depending on the service area. For all other

uses the fee is based on water demand estimates formulated from information provided by the applicant or from industry standards.

During this study, a review of multi-family water demand (on a per dwelling unit basis) was performed. Multi-family water demand in each service area did not vary by service area to the same degree or in the same way as single-family water use. There was little variation in multi-family water use across the district's entire service area. As a result of these observations, it is recommended that the new multi-family (three dwelling units or more) water service connections be charged connection fees based on 0.14 AF per dwelling unit.

In order to keep up with the cost of inflation, the water connection fee amount established in Resolution No. 8512 will be annually updated based on the percentage change in the Engineering News Records Construction Cost Index for San Francisco on July 1 of each year, beginning July 1, 2019. It is recommended the district update the Water Connection Fee Study every three to five years.

In summary, district staff recommends the District Board conduct a public hearing to adopt Ordinance No. 440 and adopt Resolution No. 8512 at the September 25, 2018 board meeting.

ENVIRONMENTAL REVIEW:

The proposed 2018 Water Connection Fee Update is not subject to review under the California Environmental Quality Act. Specifically, Section 15061(b)(3) applies:

The activity is covered by the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA.

The water connection fees charged by the district are designed to recover a fair and proportional share of the cost of the district's infrastructure investments made by existing users that provide existing water system capacity. The fee increase will not produce a significant environmental effect. Further, the incremental fee increase will not to fund capital projects for the expansion of the existing infrastructure system.

STRATEGIC PLAN ALIGNMENT:

The requested action aligns with the district's Strategic Plan Goal 2 (Financial Stewardship), Strategy 3 (Manage MMWD budget and assets to efficiently achieve the MMWD's priorities), and Objective 3 (Integrate capacity fee (connection fee) studies into facility master planning to support required facilities).

REVIEWED BY:	A.S.D Manager/Treasurer	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Counsel	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

ATTACHMENTS:

1. Water Connection Fee Study – The Reed Group, Inc. August 2, 2018 (Available at <https://www.marinwater.org/DocumentCenter/View/6505/2018-Water-Connection-Fee-Study>)
2. Ordinance No. 440
3. Resolution 8512

MARIN MUNICIPAL WATER DISTRICT

Water Connection Fee Study

FINAL REPORT

August 2, 2018



THE REED GROUP, INC.
with Raftelis Financial Consultants, Inc.

TABLE OF CONTENTS

SUMMARY AND RECOMMENDATIONS	1
<i>Proposed Water Connection Fee.....</i>	<i>1</i>
LEGAL REQUIREMENTS AND CAPACITY CHARGE METHODOLOGIES	3
<i>Legal Requirements.....</i>	<i>3</i>
<i>Methodology for Calculating Capacity Charges</i>	<i>4</i>
CURRENT WATER CONNECTION FEE	7
WATER CONNECTION FEE CALCULATION	8
<i>Value of Existing Water Facilities</i>	<i>9</i>
<i>Capital Program Reserves</i>	<i>10</i>
<i>Past and Current Long-Term Debt Obligations.....</i>	<i>10</i>
<i>Water Connection Fee Calculation Summary.....</i>	<i>11</i>
<i>Water Connection Fee Determination for Each New Water Service Connection</i>	<i>11</i>
CONNECTION FEE ADMINISTRATION AND UPDATES.....	14
APPENDIX A – GOVERNMENT CODE SECTIONS 66013, 66016, 66022, 66023 AND 65852.2	
APPENDIX B – WATER SYSTEM FIXED ASSET LISTING	
APPENDIX C – SINGLE FAMILY WATER DEMAND FACTORS BY SERVICE AREA	
APPENDIX D – WATER USE FACTORS FOR ESTIMATING NON-RESIDENTIAL WATER DEMAND	

WATER CONNECTION FEE STUDY

SUMMARY AND RECOMMENDATIONS

The Marin Municipal Water District retained The Reed Group, Inc. and Raftelis Financial Consultants, Inc. to assist with updating the District's water connection fees.¹ Connection fees are one-time charges for a new, additional, or larger connection to a public agency's water system (for purposes of this report, each is referred to herein as "a new water service connection" or "new development"). The charge is imposed for the need to provide for existing and new facilities, or acquire or develop water supplies, that will benefit the property being connected. Applicants seeking a new water service connection are also subject to an installation charge; however, installation charges are not addressed within this study or report.

The amount of the connection fee is based on an estimate of annual water demand associated with each new water service connection. Estimated water demand for residential connections is based on the area average for the service area in which the unit is to be built². All other uses, such as business, industrial, institutional, and irrigation service connections are based on annual water demand estimates formulated from information provided by the applicant for water service. The last comprehensive water connection fee study was completed in 1994, and while the fees have been periodically adjusted for inflation, a review of the underlying assumptions and the basis for the fees has not been completed in over twenty years. The current water connection fee is based on a system buy-in calculation methodology; that methodology is appropriate for the District and is retained in this update. The system buy-in methodology results in a connection fee that:

- Is appropriate for the District service area, where the water system is largely built out and new development will generally rely on existing water system capacity;
- Reflects the cost of capacity in the existing water system;
- Assures that new development pays a fair and proportionate share of capacity costs based on the historical costs and current value of existing capacity in the water system; and
- Maintains administrative ease and simplifies calculations for periodic updates.

This report presents a proposed water connection fee for FY 18-19 and describes the fee calculation methodology, underlying data and assumptions, fee determination for each water service application, and fee administration. It is recommended that the District annually adjust the water connection fee for inflation and fully recalculate the connection fee every three to five years, as detailed near the end of this report.

Proposed Water Connection Fee

The proposed updated water connection fee is \$34,180 per acre-foot (AF) of estimated annual water consumption for each new water service connection. The proposed connection fee reflects

¹ "Connection fee" is the District's term for fees paid by development to provide capacity in the water system necessary to accommodate the needs of the development. The term "capacity charge" is more typical for this type of fee, and is the term used in Government Code 66013. This report uses "capacity charge" when referring generally to this type of charge and "connection fee" when referring specifically to the District's water connection fee.

² The District has identified approximately 300 separate service areas for this purpose.

the present value cost of capacity in the water system. The proposed water connection fee is \$4,920 (16.8 percent) higher than the current water connection fee.

With respect to determining the amount of the water connection fee for each new water service connection, the following recommendations are made:

- Connection fees for single family homes should be based on water use factors for each service area based on the average annual water demand from 2016 and 2017; District staff have updated the water demand factors for each service area based on this two-year average. This data is summarized in Appendix C of this report.
- Recent legislation has changed sections of the California Government Code pertaining to the definition of secondary living units, now referred to as “accessory dwelling units,” or ADUs. Attached ADUs must be either less than 1,200 square feet or no more than 50 percent of the existing residence. Detached ADUs are also allowed but they must not exceed 1,200 square feet. Newly constructed detached ADU space may be charged water connection fees, but per the recent legislation and current code, these units are to be charged a connection fee or capacity charge that shall be proportionate to the burden of the proposed accessory dwelling unit, based either on size or on number of plumbing fixtures.³ The District’s current calculation method of determining connection fees based on existing water usage factors, as previously approved by the Board of Directors in February 2007 (see page 12 of this report for details) is proportionate to the potential burden of water use imposed on the water system by the accessory dwelling unit and it is reasonable to declare this methodology consistent with Government Code 66013.
- Pending legislation in Senate Bill 831, if passed, might prohibit imposing connection fees on newly constructed detached ADUs. It is recommended that the District continue to collect connection fees on detached new ADUs at least until the final outcome of the pending legislation is determined.
- Connection fees for multi-family development (three dwelling units or more) should be based on an annual water demand factor of 0.14 AF per dwelling unit. Senate Bill 7 of the 2015-2016 legislative session established requirements for the sub-metering of multi-unit residential or mixed-use residential and commercial structures. The District is currently updating its code and regulations to comply with these changes, which became effective January 1, 2018. However, these changes do not affect the District’s water connection fees for these types of development.
- Connection fees for non-residential service connections should continue to be determined based on water demand estimates formulated from information provided by the applicant for water service.

The balance of this report includes: (1) the legal requirements for connection fees; (2) a description of the connection fee methodology used herein; (3) the underlying assumptions and information used in the fee calculation; (4) procedures for determining the connection fee for each water service application; and (5) administrative and future update recommendations.

³ California Government Code Section 65852.2 (f)(2)(B)

LEGAL REQUIREMENTS AND CAPACITY CHARGE METHODOLOGIES

Capacity charges may be established from time to time, taking into account the capital facilities necessary for a water or sewer system to meet the demands of all users. Each property connecting to a water and/or sewer system receives the direct benefit of those improvements. By accepting a capacity charge, a public agency reserves capacity in and has made a legal commitment to provide the necessary facilities for conveyance, treatment, and delivery of water to and for collection and treatment of wastewater from the property for which the charge is paid.

There are numerous methods to calculate capacity charges. Each method has varying advantages and disadvantages and no method is universally recognized as the best. The methodology appropriate for any particular service or utility is dependent on a number of issues, including the availability of a defined capital improvement program and the extent to which the utility's infrastructure is built out. Any methodology used for calculating capacity charges should be:

- *Financially Stable* – Capacity charges should reflect the estimated reasonable cost of providing capacity in a water and/or sewer system to new development and should be effective in covering the costs of providing such capacity.
- *Equitable* – Capital improvement costs should be allocated on a proportional basis that is reasonably related to the needs that are created and the benefits that are received by new development.
- *Administratively Feasible* – Capacity charges should be administratively simple and easily explained and accepted by developers and the public.
- *Legally Justifiable* – Capacity charges must be developed in accordance with California laws and court decisions.

Legal Requirements

The District has broad authority to charge users for capital facilities necessary to serve new development. The limitations of that authority are encompassed by the requirement that capacity charges on new development shall not exceed the estimated reasonable costs of providing the services for which that charge is imposed and that the manner in which those costs are allocated to a payor bear a fair or reasonable relationship to the payor's burdens on, or benefits received from, the governmental services provided. California courts have long used that *reasonableness* standard or *nexus* test to evaluate the constitutionality of exactions, including water and wastewater capacity charges.

During the 1988 session of the California Legislature sections of the Government Code were added to codify constitutional and decisional law related to fees imposed on new development. Assembly Bill 1600 (AB 1600) enacted Government Code Sections 66000-66003 (the Mitigation Fee Act) related to development impact fees. Since the passage of AB 1600 various code sections have been added and modified to further clarify and expand the requirements related to developer fees. In particular, Government Code Section 66013 was added to the Mitigation Fee Act and contains requirements specific to water and wastewater capacity charges.⁴ **Appendix A**, at the

⁴ Although authorizing statutes governing capacity charges are contained within the Mitigation Fee Act, capacity charges are not development impact fees.

end of this report, includes Section 66013 and other sections of the Government Code related to water and wastewater capacity charges.

The key to the statutory requirements is that water and wastewater capacity charges shall not exceed the *estimated reasonable cost* of providing service. Capacity charges should also comply with the provisions of California Constitution article XIII C, section 1(e)(2), which would be considered by a court in evaluating the validity of the fees:

- *Need* – Capacity charges should only be imposed on new development that will need capacity in facilities or water supply provided by the District.
- *Benefit* – Improvements to be funded (or costs to be reimbursed) by capacity charges should satisfy service needs related to the development on which the charges are imposed.
- *Amount* – The amount of the capacity charges should reflect the reasonable cost of providing service capacity and the share of the costs attributable to the service needs of new development.
- *Earmarking* – Revenue from capacity charges should be segregated from other funds and used solely to pay for the facilities for which the charge was imposed.

Applying these criteria to the District's situation requires an understanding of how improvement needs are established, how capacity is provided to new development, how costs are estimated and allocated, and how capacity charge revenues are accounted for and spent. Capacity charges that reflect the costs of new or future facilities and capacity would generally rely on planning documents, including master plans, capital improvement programs, and estimated costs for needed improvements. Capacity charges that reflect the cost of capacity in existing facilities would generally be based on fixed asset records, historical cost data, and related information.

The Reed Group, Inc. is not a law firm, and the information contained in this section should not be considered legal advice. Information presented here represents our understanding of the legal framework by which capacity charges are calculated. The District should seek the advice of legal counsel regarding the specific statutory requirements for capacity charges.

Methodology for Calculating Capacity Charges

There are numerous methodologies for calculating capacity charges. The number has proliferated with the growing popularity of this type of charge. Various methodologies have evolved to meet changing public policy, legal requirements, and the unique or special circumstances of each local agency.

Several major publications regarding capacity charges for various infrastructure needs, including water and wastewater system improvements, are generally recognized in the industry. These publications include:

- Development Impact Fees, Arthur C. Nelson, 1998.
- Principles of Water Rates, Fees, and Charges, Manual M1, American Water Works Association, 6th Edition, 2012.

- Comprehensive Guide to Water and Wastewater Finance and Pricing, Second Edition, George A. Raftelis, 1993.
- System Development Charges for Water, Wastewater, and Stormwater Facilities, Arthur C. Nelson, 1995.

These publications describe a number of methodologies, including their applicability to various situations and the relative advantages and disadvantages of each. Within all of the available methodologies there are two primary approaches – the system buy-in methodology and the incremental-cost methodology. Other methodologies are usually some variation or combination of these two methods. The two primary methods are generally described below to illustrate the different perspectives that can be used to determine appropriate charges.

System Buy-In Method

The system buy-in method is based on the average investment in capital facilities by current customers. In *Comprehensive Guide to Water and Wastewater Finance and Pricing*, Raftelis describes the system buy-in methodology as follows: “Under this approach, capital recovery charges are based upon the ‘buy-in’ concept that existing users, through service charges, tax contributions, and other up-front charges, have developed a valuable public capital facility. The charge to users is designed to recognize the current value of providing the capacity necessary to serve additional users. The charge is computed by establishing fixed asset value under a historical or reproduction cost basis and deducting relevant liabilities (long-term debt, loans, etc.) from this amount. The number of units of service is then divided into this difference (considered to be the utility’s equity) to establish the capital recovery charge.”

More simply, the buy-in charge is determined by taking the current value of assets (depreciated historical cost escalated to current dollars) divided by the current annual water demand⁵. This process is explained in more detail below under the caption “*Value of Existing Water Facilities.*” By paying capacity charges calculated on this basis new development buys into the existing capital facilities on par with existing development. Responsibility for new capital improvements is then shared by all customers. A simplified version of the calculation equation is:

$$\frac{\text{Present Value of Existing Facilities}}{\text{Total Existing Water Demand}}$$

The system buy-in methodology has four distinct advantages:

- The buy-in methodology is a common and generally well-accepted methodology for calculating capacity charges in part because it is often encountered and generally understood by the development community.
- The buy-in methodology includes only the costs of existing facilities and excludes the costs of future or planned facilities; therefore, it does not require a formal capital improvement program.

⁵ Alternatively, the denominator in this equation can be the number of customers expressed in equivalent meters. This common alternative leads to capacity charges tied to size of the water meter.

- The buy-in methodology does depend on an assessment of existing capacity availability; it therefore does not require the more detailed capacity analyses required to justify charges based on other methodologies.
- Capacity charges based on the buy-in method are a reimbursement for past capital costs. Therefore, the *use* of capacity charge revenue is to reimburse the utility for prior infrastructure investments. Once reimbursed, the utility is able to spend capacity charge revenue as it deems appropriate. As a result, detailed accounting of capacity charge expenditures is simplified⁶.

The system buy-in method is best applied in areas that are largely built out and with infrastructure already in place, as is the case for the District's service area. However, if significant expansion of utility systems is required and future costs may be significantly different from historical costs, then the system buy-in approach may not be the best approach.

Incremental Cost Method

The incremental cost methodology is a fairly common approach for capacity charges, particularly for communities experiencing considerable new growth, as well as needing new facilities to meet growing capacity requirements. The approach is based on the cost of new or planned capital facilities. The cost of growth-related facilities is allocated to new development to be served by the facilities. Allowances for existing capacity that may also serve new water service connections are often not made or included on a limited basis. Under this approach, new development pays for the incremental investment necessary for system expansion. The incremental approach is most commonly applied when new facilities are required to provide capacity for new development.

For example, when new development connects to a utility system it either uses reserve capacity available to existing customers (which then needs to be replaced), or it requires new capacity, which must be added to the system. The goal of this method is to minimize or eliminate the need to raise user rates in order to provide for system expansion. Consequently, new customers pay fully for additional capacity in new facilities to avoid imposing a burden on existing customers.

The philosophy that service should be paid for by those that receive the benefit of the facilities required to serve their property is often referred to as "growth-should-pay-for-growth." The principal is summarized in the American Water Works Association (AWWA) Manual M26, Water Rates and Related Charges:

"The purpose of designing customer-contributed-capital system charges is to prevent or reduce the inequity to existing customers that results when these customers must pay the increase in water rates that are needed to pay for added plant costs for new customers. Contributed capital reduces the need for new outside sources of capital, which ordinarily has been serviced from the revenue stream. Under a system of contributed capital, many water utilities are able to finance required facilities by use of a 'growth-pays-for-growth' policy."

In this excerpt, customer-contributed-capital is equivalent to capacity charges.

⁶ By accepting fee payments from new development, the utility is indicating a willingness and ability to provide service. Therefore, it is recommended that capacity charge revenues be utilized for capital improvements that enhance service delivery capabilities.

The incremental cost methodology is generally supported by engineering analyses in order to satisfy nexus requirements. First, the capacity requirements of new development must be defined using service level standards. Second, the amount of capacity provided by new facilities must be determined, and capacity enhancements required to address existing deficiencies should be considered. To the extent that existing capacity does not provide the specified level of service to existing development, new facilities must be identified to correct these deficiencies, and charges paid by new development cannot be used to correct existing deficiencies. As a result, it is fairly common for only a portion of new capital facility costs to be included in capacity charge calculations.

The incremental cost methodology is simplified when all-new infrastructure is required to serve new development areas. In this situation, service level standards are defined, new facilities identified, and costs are determined. The cost of facilities is then allocated (or spread) across all new development to be served by the facilities, as demonstrated with the following equation:

$$\frac{\text{Present Value of Planned Facilities}}{\text{Total Units of Planned New Development}}$$

Units of development must be defined as well as demand factors for different types of development. Capacity charges based on the incremental cost methodology are subject to statutory accounting requirements because charge revenue must be accounted for until specific capital improvements are constructed.

Recommended Methodology for MMWD's Water Connection Fee

Following a review of the District's water system, capital improvement plan, and the nature and type of new development (predominately infill and increased densification), as well as discussions with District staff, it was agreed at the outset of the study that the water connection fee should continue to be based on the system buy-in methodology. This methodology has served the District well over the past 20 years and has several benefits. In addition, the District's capital improvement plan largely includes rehabilitation and upgrade projects, rather than expansion projects, and most new development will utilize existing system capacities. The incremental cost methodology was deemed not applicable to the District's situation.

CURRENT WATER CONNECTION FEE

The District's current water connection fee is \$29,260 per acre-foot (AF) of estimated annual water demand associated with each new water service connection.

Estimated annual water demands for new single family residential connections are based on the area average of the neighborhood (service area) in which the new homes are to be built. The District uses this methodology because it more accurately represents the estimated annual amount of water to be used, as opposed to simply basing the fee on meter size, which is the methodology commonly used in the industry. The District's methodology also accounts for the varied single-family residential water use patterns throughout the District's service area. These varied patterns are influenced by land use decisions made by the County and cities within the Marin County, parcel size, local demographics, microclimates, and other factors. There are about 300 separately designated "service areas" within the District's water service boundaries. As

shown in Appendix C, water demand factors for single family homes currently range from 0.09 AF to 2.03 AF, depending on the service area. The water demand factors are based on actual water use and updated periodically by the District.

Under the District's current practice, annual water demand for new multi-family dwelling units is estimated to be 80 percent of the demand of single family homes in the same service area⁷.

District staff previously determined that annual water demand for new second dwelling units (ancillary to single family homes) was 60 percent of the demand of single family homes in the same service area, although other factors were sometimes used depending on whether the secondary unit was attached or detached, and on the area (square footage) of the unit. Recent and pending legislation significantly limits imposition of connection fees on this category of residential units, now referred to as "Accessory Dwelling Units" or ADUs. Only newly constructed attached and detached ADUs may be charged a connection fee. Given the uncertainty surrounding the pending legislation, the District may choose to entirely forgo imposition of connection fees on ADUs or it may wish to apply the same 60 percent to the applicable units as a reasonable approach, noting that passage of SB 831 may soon eliminate the ability to apply connection fees to any qualifying ADUs.

Estimated annual water demand for non-residential water service connections, such as business, industrial, institutional, and irrigation, are based on demand estimates for each new connection formulated from information provided by the applicant for water service.

In accordance with the District's rules and regulations, each structure to be served must have its own water meter. Multiple units within one structure may be served through one meter; however, the District currently recommends a meter for each living unit wherever possible (see MMWD Code Section 11.04.070). In addition, the District recommends a separate irrigation meter for large landscapes, such as HOA landscape areas (see MMWD Code Section 13.02.021.5.1.2(a)).

WATER CONNECTION FEE CALCULATION

The water connection fee calculation relies on data and information obtained from the District including:

- Fixed asset records providing historical cost, book value, age, and accounting service life of facilities, by asset class;
- Existing and past long-term debt used to finance existing water facilities;
- Financial information identifying reserves designated for capital improvements; and
- Water system demand from the utility billing system.

Specific components of the connection fee calculation are described below.

⁷ A 2014 analysis of annual water use from multi-family living units (each with a complete 12-month billing history) found that annual water usage ranged from 0.08 AF to 1.48 AF, with a median value of 0.12 AF and an average value of 0.14 AF for each dwelling unit. That analysis was reviewed in 2018, with consideration of more recent water demand information. It was determined that this usage factor remains reasonable, and no change is proposed at this time.

Value of Existing Water Facilities

The first step to calculating the connection fee is to estimate the value of the existing water system facilities. This is accomplished with the use of the District's fixed asset records. The value of existing facilities can be determined using a variety of methods. However, the most common, and the one we recommend, is depreciated replacement cost.

The District's fixed asset records provide data for water system assets including historical cost, date of acquisition, and service life. This information is used for determining the District's annual depreciation of utility assets. The depreciated replacement cost of water assets is determined by taking the historical cost of each asset escalating it to a current value (replacement cost) using the *Engineering News Record's* 20-Cities Construction Cost Index (20-Cities CCI) and depreciating this value using the age and expected service life of the asset. The same result is obtained by escalating the book value of each asset to current value using the 20-Cities CCI. This calculation is performed for each asset item. Costs have been escalated to July 2018 using a 20-Cities CCI value of 11,116.

The District's fixed asset records include nearly 3,000 water system assets that have been included in the connection fee analysis⁸. These include some fully depreciated items that remain in service. Fully depreciated items have no value in the connection fee calculation even though they obviously still have value since they are still in active service. In addition, the asset values for service connections, meters, vehicles, equipment, and low-value assets have been excluded from the fee calculation. Some of these assets arguably could be used in the fee calculation. In these two ways, the water connection fee calculation is somewhat conservative.

Exhibit 1 summarizes the valuation of existing water system assets used in the connection fee analysis as of June 30, 2017 and adjusted to the July 2018 valuation date⁹. The valuation summary includes original cost, book value, replacement cost, and depreciated replacement cost. The last column, depreciated replacement cost, is used in connection fee calculations. **Appendix B** includes a complete listing of the water system fixed assets that are summarized in Exhibit 1.

⁸ The District recently restated the service life for about 670 transmission and distribution pipelines, increasing the service life of these assets to 75 years from 40 or 50 years. This change was deemed by District engineering staff to be a more accurate representation of the service life for the District's pipelines. The changes have been incorporated into District financial records. The effect of this change was to increase the calculated connection fee by about 1.5 percent.

⁹ Values in Exhibit 1 have been rounded to the nearest \$1.

Exhibit 1				
Marin Municipal Water District				
Water Connection Fee Calculation				
Fixed Asset Class (1)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
Land and Land Rights	\$ 11,539,660	\$ 11,539,660	\$ 99,490,878	\$ 99,490,878
Buildings	\$ 23,435,208	\$ 10,625,715	\$ 53,704,916	\$ 15,529,512
Dams & Reservoirs	\$ 42,306,303	\$ 25,202,755	\$ 274,448,559	\$ 114,690,013
Storage Tanks	\$ 67,959,032	\$ 50,286,352	\$ 147,248,136	\$ 77,036,457
Pumping Plants	\$ 31,018,831	\$ 11,718,590	\$ 71,529,496	\$ 15,718,043
Water Treatment Plants	\$ 46,916,967	\$ 17,255,605	\$ 131,316,378	\$ 26,355,314
Transmission & Distribution	\$ 280,058,422	\$ 211,390,847	\$ 731,228,144	\$ 399,187,400
Construction in Progress	\$ 30,301,824	\$ 30,301,824	\$ 35,299,988	\$ 35,299,988
Water Supply Entitlements (2)	\$ 19,623,196	\$ 58,980,796	\$ 44,088,078	\$ 17,877,891
Fixed Asset Totals	\$ 553,159,443	\$ 427,302,144	\$ 1,588,354,574	\$ 801,185,495
Plus Capital Project Reserves (2)				\$ 1,610,794
Plus Past Interest Payments (3)				\$ 76,832,682
Less Outstanding Principal on Debt (2)				\$ (124,876,677)
Water System Total Valuation				\$ 754,752,294
Existing Water System Demand (AF) (4)				22,082 AF
Water Connection Fee (\$/AF)				\$ 34,180

Notes:

- (1) From fixed asset listing as of June 30, 2017, excludes service connections, meters, vehicles, equipment and low-value assets. See Appendix B for detailed listing of assets.
- (2) As of June 30, 2017 based the District's Comprehensive Annual Financial Report for FY 16-17.
- (3) Includes interest payments on long-term debt since 1993, based on debt service schedules. Excludes future interest payments.
- (4) Based on average annual water sales for 2016 and 2017.

Capital Program Reserves

Moneys held by the District and designated for future capital improvements can be added to the water system valuation. As of June 30, 2017, the District had about \$1.6 million in cash designated from capital projects. The bottom portion of Exhibit 1 reflects this balance. These funds have been set aside specifically to pay for future capital improvements and are added to the water system valuation used to calculate connection fees.

Past and Current Long-Term Debt Obligations

Based on information provided by the District, less than half of the water system (in dollar terms) has been financed with long-term debt. The cost of acquiring and constructing water facilities should incorporate the cost of long-term debt financing when debt is used. The interest costs associated with financing capital facilities are legitimate costs of the facilities and are appropriately included in the connection fee calculation. Outstanding principal on long-term debt is appropriately deducted from the water system valuation.

Long-term debt has been used to finance the District's water system facilities at multiple points in time. For purposes of the water connection fee calculation interest payments on twelve separate debt obligations issued to fund capital projects and/or refund prior obligations from 1993 to the present have been included in the analysis. Debt service payment information prior to 1993 has not been included due to inaccessibility of information. The exclusion of earlier

interest costs is not likely significant and results in a more conservative connection fee calculation. Past interest costs on past and existing debt obligations have been included in their actual historic amounts, and total about \$76.8 million as of June 30, 2017. This amounts to about 10 percent of the fee amount. Interest yet to be paid on existing debt has not been included in the connection fee calculations.

Outstanding principal on existing long-term debt, as of June 30, 2017, totaled about \$124.9 million. This amount has been deducted from the fixed asset valuation. In economic terms, it represents the portion of the water system that has not yet been fully paid for.

The bottom portion of Exhibit 1 shows the debt-related items included in the connection fee calculation, including the past interest payments on past and existing long-term debt obligations, and the amount of outstanding principal on existing long-term debt. Past interest costs and related financing costs are added to fixed asset values of existing water as part of the connection fee calculation. Outstanding principal is deducted from the valuation.

Water Connection Fee Calculation Summary

Exhibit 1 summarizes the connection fee calculation for the water system. The calculation is based on the information described in the previous pages and includes the depreciated replacement cost for existing facilities, financial reserves dedicated for capital improvements, and interest and related financing costs on past and existing long-term debt, minus outstanding principal on existing long-term debt. The water system valuation is then divided by the District's existing annual water system demand. Water system demand varies each year for a variety of reasons, including weather patterns, drought conditions, customer awareness, and economic conditions. Because of increased water conservation requirements and recent shifts in water demands, current system demand has been defined as the annual water sales averaged over the two-year period of 2016 and 2017. On this basis, the current aggregate water system demand is estimated to be 22,082 AF per year.

Thus calculated, the standard water connection fee, as presented in Exhibit 1, was determined to be \$34,180 per AF of annual water demand. As new water service connections are made to the water system, paying this fee will help ensure that each new water service connection is contributing to the investment made into the water system on par with existing customers. Water connection fee revenue is then available to rehabilitate, upgrade, and expand the water system. In effect, new customers become equal partners with existing customers. The connection fee represents the reasonable estimated cost of providing capacity in the water system to serve new development.

Water Connection Fee Determination for Each New Water Service Connection

The amount of the water connection fee imposed for each new water service connection is based on the estimated annual water demand associated with each new water service connection. The District has long called this estimated annual demand a *water entitlement*. However, this term can be easily misinterpreted and misunderstood to be a right to a given quantity of water. The water connection fee is a payment for *capacity* in the water system. No water, and no right to water, is provided with the payment of the fee. In accepting a payment of the water connection fee, the District is acknowledging or accepting the responsibility to provide water service to the new point of connection.

As described previously, at present the estimated annual water demand for a new single family residential connection is based on the area average of the service area in which the new home is to be built. Currently, annual water demand for new multi-family dwelling units are estimated to be 80 percent of the demand of single family homes in the same service area. In addition, annual water demand for new second dwelling units have been estimated to be 60 percent of the demand of single family homes in the same service area, with some exceptions, as described below. Estimated annual water demand for non-residential water service connections, such as business, industrial, institutional, and irrigation connections, are based on demand estimates for each new connection formulated from information provided by the applicant for water service.

Changes in the water demand factors for different types of development are recommended, as indicated below.

Single Family Homes

The water use factors for single family homes in each service area have not been formally updated for connection fee calculation purposes since 2004. Following discussions with District staff, and in recognition of increased water conservation requirements and recent shifts in water demands, it is recommended that single family water use factors for each service area be updated. Consistent with the calculation of total existing annual water demand for the calculation of the water connection fee, which is based on the two-year average from 2016 and 2017, water use factors for single family connections should be based on the same two-year average annual single family water usage within each service area. Updated water use factors have been calculated by District staff and are provided in **Appendix C** of this report.¹⁰

Secondary Dwellings/ Accessory Dwelling Units

Occasionally, single family customers will add a second dwelling unit to their properties. These can be called a variety of names, including granny units, guest houses, secondary units, accessory dwelling units, etc. They can be detached structures (separate from the main dwelling) or attached living units, and the specific building requirements for secondary units vary with each local land use authority (e.g., city) in the county. Since 2007, the District has applied the following water use factors for secondary living units, with a minimum of 0.08 AF per living unit:

	<u>Attached</u>	<u>Detached</u>
Up to 400 sq. ft.	0.08 AF	0.08 AF
401-750 sq. ft.	0.08 AF	40% of SFD up to 0.18 AF
Over 750 sq. ft.	25% of SFD up to 0.24 AF	60% of SFD up to 0.24 AF

District staff performed analyses to support the water demand factors when the Board of Directors approved revisions to Board Policy No. 12 on February 21, 2007. Under the District's rules and regulations detached secondary dwellings are required to have a separate water meter, which may facilitate a review of water usage from these water service connections. Separate water meters may or may not be provided for attached secondary dwellings.

¹⁰ Average annual water use from 2016 and 2017 for each service area were found to range from 0.09 AF to 2.03 AF, with an average of 0.28 AF and a median of 0.21 AF.

Recent legislation has changed sections of the California Government Code pertaining to the definition of secondary living units (now referred to as “accessory dwelling units,” or ADUs) and has limited the ability to impose connection fees on these units. Attached accessory dwelling units must be either less than 1,200 square feet or no more than 50 percent of the existing residence. Note that this definition of attached ADUs includes units previously defined by the District as “Junior Accessory Dwelling Units” (or JADUs) which were already exempted from connection fees by District policy. Detached ADUs are also allowed but they must not exceed 1,200 square feet.

Newly constructed detached ADU space may be charged water connection fees, but per the recent legislation and current code, these units are to be charged a connection fee or capacity charge that shall be proportionate to the burden of the proposed accessory dwelling unit, based either on size or on number of plumbing fixtures.¹¹ The District’s current calculation method of determining connection fees based on existing water usage factors, as previously approved by the Board of Directors, is proportionate to the potential burden of water use imposed on the water system by the accessory dwelling unit and it is reasonable to declare this methodology consistent with Government Code 66013.

Pending legislation in Senate Bill 831, if passed, would prohibit imposing connection fees on newly constructed detached ADUs. It is recommended that the District continue to collect connection fees on detached new ADUs at least until the final outcome of the pending legislation is determined.

Multi-Family Dwellings

During an early phase of this study, a review of multi-family water demand (on a per dwelling unit basis) was performed and three observations were made. First, the assumption that multi-family water demand is reasonably estimated as 80 percent of single family water demand in each service area is not supported by data. Second, multi-family water demand does not vary by service area to the same degree or in the same way as single family water use. Third, compared to the variation in single family water demand, there is relatively little variation in multi-family water demand across the District’s entire service area. As a result of these observations, and in an effort to simplify the determination of connection fees for new multi-family connections, it is recommended that new multi-family (three dwelling units or more) water service connections be charged connection fees based on 0.14 AF per dwelling unit. This usage factor would apply whether the multi-family development is master-metered or each dwelling unit is individually metered by the District. Water connection fees do not apply to sub-meters that may be installed by owners of a multi-family development.

Non-Residential Service Connections

Water connection fees for non-residential services, including businesses, industry, institutional, and irrigation connections, are based on the estimated annual water demand (in acre feet) formulated by District staff from information provided by each water service applicant and/or based on estimated water use factors (see Appendix D). Connection fees for non-residential connections should continue to be determined on this basis.

¹¹ California Government Code Section 65852.2 (f)(2)(B)

CONNECTION FEE ADMINISTRATION AND UPDATES

The Government Code includes requirements for accounting for capacity charge revenue. However, because the District's connection fees are based on the system buy-in methodology, the use of fee revenue is to reimburse the District for prior investments in water system facilities. As a result, accounting requirements are greatly simplified, and the District is able to spend connection fee revenue for any capital improvement purpose. For reference, **Appendix A**, at the end of this report, includes statutory requirements for accounting for capacity charges.

It is recommended that the District annually adjust the water connection fee for the effects of inflation using the *Engineering News Record's* 20-Cities Construction Cost Index (20-cities CCI). The connection fee presented herein has been indexed to a 20-cities CCI value of 11,116 (July 2018). The 20-cities CCI is a broadly accepted and used construction cost index that attempts to reflect the monthly changes in general construction costs. Adjusting connection fees annually using this index, or a similar successor index, can help the District to maintain charges commensurate with inflationary cost changes between periodic comprehensive updates.

As shown in Exhibit 1, the fee is based on many factors, including fixed asset value, outstanding principal, and depreciation. Each year the District invests about \$20 million in the water system and paying down the principal, both of which would have the effect of increasing the fee calculation. Annually adjusting the fee using the 20-cities CCI is the best way to accurately and reasonably account for the inflationary impacts on the fee between each comprehensive fee update.

While the connection fee calculation using the system buy-in method should be relatively stable over time, it is recommended that the District formally update the calculation at least once every three to five years. Water system facility additions, financing arrangements, disposal of worn out facilities, aggregate customer demand, and other aspects of fee calculation, such as depreciation, all evolve over time and periodically updating the calculation will help ensure that new development is paying a fair and proportionate share of water system capacity costs. Similarly, water use factors should also be reviewed and updated, if appropriate, at least every three to five years.

Finally, as the District has experienced, annual connection fee revenues are subject to the fluctuations in the pace of new development. Connection fees are primarily a means of equitably assigning costs of capacity to new development. However, they are often also used as a source of capital improvement program revenue. Caution should be exercised when relying upon connection fee revenue as a predictable revenue source. In addition, while connection fee revenue can be used to make debt service payments, relying on the revenue for debt payments is risky.

APPENDIX A – GOVERNMENT CODE SECTIONS 66013, 66016, 66022, 66023 AND 65852.2

66013. (a) Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges shall not exceed the estimated reasonable cost of providing the service for which the fee or charge is imposed, unless a question regarding the amount of the fee or charge imposed in excess of the estimated reasonable cost of providing the services or materials is submitted to, and approved by, a popular vote of two-thirds of those electors voting on the issue.

(b) As used in this section:

(1) "Sewer connection" means the connection of a structure or project to a public sewer system.

(2) "Water connection" means the connection of a structure or project to a public water system, as defined in subdivision (f) of Section 116275 of the Health and Safety Code.

(3) "Capacity charge" means a charge for facilities in existence at the time a charge is imposed or charges for new facilities to be constructed in the future that are of benefit to the person or property being charged.

(4) "Local agency" means a local agency as defined in Section 66000.

(5) "Fee" means a fee for the physical facilities necessary to make a water connection or sewer connection, including, but not limited to, meters, meter boxes, and pipelines from the structure or project to a water distribution line or sewer main, and that does not exceed the estimated reasonable cost of labor and materials for installation of those facilities.

(c) A local agency receiving payment of a charge as specified in paragraph (3) of subdivision (b) shall deposit it in a separate capital facilities fund with other charges received, and account for the charges in a manner to avoid any commingling with other moneys of the local agency, except for investments, and shall expend those charges solely for the purposes for which the charges were collected.

Any interest income earned from the investment of moneys in the capital facilities fund shall be deposited in that fund.

(d) For a fund established pursuant to subdivision (c), a local agency shall make available to the public, within 180 days after the last day of each fiscal year, the following information for that fiscal year:

(1) A description of the charges deposited in the fund.

(2) The beginning and ending balance of the fund and the interest earned from investment of moneys in the fund.

(3) The amount of charges collected in that fiscal year.

(4) An identification of all of the following:

(A) Each public improvement on which charges were expended and the amount of the expenditure for each improvement, including the percentage of the total cost of the public improvement that was funded with those charges if more than one source of funding was used.

(B) Each public improvement on which charges were expended that was completed during that fiscal year.

(C) Each public improvement that is anticipated to be undertaken in the following fiscal year.

(5) A description of each interfund transfer or loan made from the capital facilities fund. The information provided, in the case of an interfund transfer, shall identify the public improvements on which the transferred moneys are, or will be, expended. The information, in the case of an interfund loan, shall include the date on which the loan will be repaid, and the rate of interest that the fund will receive on the loan.

(e) The information required pursuant to subdivision (d) may be included in the local agency's annual financial report.

(f) The provisions of subdivisions (c) and (d) shall not apply to any of the following:

(1) Moneys received to construct public facilities pursuant to a contract between a local agency and a person or entity, including, but not limited to, a reimbursement agreement pursuant to Section 66003.

(2) Charges that are used to pay existing debt service or which are subject to a contract with a trustee for bondholders that requires a different accounting of the charges, or charges that are used to reimburse the local agency or to reimburse a person or entity who advanced funds under a reimbursement agreement or contract for facilities in existence at the time the charges are collected.

(3) Charges collected on or before December 31, 1998.

(g) Any judicial action or proceeding to attack, review, set aside, void, or annul the ordinance, resolution, or motion imposing a fee or capacity charge subject to this section shall be brought pursuant to Section 66022.

(h) Fees and charges subject to this section are not subject to the provisions of Chapter 5 (commencing with Section 66000), but are subject to the provisions of Sections 66016, 66022, and 66023.

(i) The provisions of subdivisions(c) and (d) shall only apply to capacity charges levied pursuant to this section.

66016. (a) Prior to levying a new fee or service charge, or prior to approving an increase in an existing fee or service charge, a local agency shall hold at least one open and public meeting, at which oral or written presentations can be made, as part of a regularly scheduled meeting. Notice of the time and place of the meeting, including a general explanation of the matter to be considered, and a statement that the data required by this section is available, shall be mailed at least 14 days prior to the meeting to any interested party who files a written request with the local agency for mailed notice of the meeting on new or increased fees or service charges. Any written request for mailed notices shall be valid for one year from the date on which it is filed unless a renewal request is filed. Renewal requests for mailed notices shall be filed on or before April 1 of each year. The legislative body may establish a reasonable annual charge for sending notices based on the estimated cost of providing the service. At least 10 days prior to the meeting, the local agency shall make available to the public data indicating the amount of cost, or estimated cost, required to provide the service for which the fee or service charge is levied and the revenue sources anticipated to provide the service, including General Fund revenues. Unless there has been voter approval, as prescribed by Section 66013 or 66014, no local agency shall levy a new fee or service charge or increase an existing fee or service charge to an amount which exceeds the estimated amount required to provide the service for which the fee or service charge is levied. If, however, the fees or service charges create revenues in excess of actual cost, those revenues shall be used to reduce the fee or service charge creating the excess.

(b) Any action by a local agency to levy a new fee or service charge or to approve an increase in an existing fee or service charge shall be taken only by ordinance or resolution. The legislative body of a local agency shall not delegate the authority to adopt a new fee or service charge, or to increase a fee or service charge.

(c) Any costs incurred by a local agency in conducting the meeting or meetings required pursuant to subdivision (a) may be recovered from fees charged for the services which were the subject of the meeting.

(d) This section shall apply only to fees and charges as described in Sections 51287, 56383, 57004, 65104, 65456, 65863.7, 65909.5, 66013, 66014, and 66451.2 of this code, Sections 17951, 19132.3, and 19852 of the Health and Safety Code, Section 41901 of the Public Resources Code, and Section 21671.5 of the Public Utilities Code.

(e) Any judicial action or proceeding to attack, review, set aside, void, or annul the ordinance, resolution, or motion levying a fee or service charge subject to this section shall be brought pursuant to Section 66022.

66022. (a) Any judicial action or proceeding to attack, review, set aside, void, or annul an ordinance, resolution, or motion adopting a new fee or service charge, or modifying or amending an existing fee or service charge, adopted by a local agency, as defined in Section 66000, shall be commenced within 120 days of the effective date of the ordinance, resolution, or motion.

If an ordinance, resolution, or motion provides for an automatic adjustment in a fee or service charge, and the automatic adjustment results in an increase in the amount of a fee or service charge, any action or proceeding to attack, review, set aside, void, or annul the increase shall be commenced within 120 days of the effective date of the increase.

(b) Any action by a local agency or interested person under this section shall be brought pursuant to Chapter 9 (commencing with Section 860) of Title 10 of Part 2 of the Code of Civil Procedure.

(c) This section shall apply only to fees, capacity charges, and service charges described in and subject to Sections 66013 and 66014.

66023. (a) Any person may request an audit in order to determine whether any fee or charge levied by a local agency exceeds the amount reasonably necessary to cover the cost of any product or service provided by the local agency. If a person makes that request, the legislative body of the local agency may retain an independent auditor to conduct an audit to determine whether the fee or charge is reasonable.

(b) Any costs incurred by a local agency in having an audit conducted by an independent auditor pursuant to subdivision (a) may be recovered from the person who requests the audit.

(c) Any audit conducted by an independent auditor to determine whether a fee or charge levied by a local agency exceeds the amount reasonably necessary to cover the cost of providing the product or service shall conform to generally accepted auditing standards.

(d) The procedures specified in this section shall be alternative and in addition to those specified in Section 54985.

(e) The Legislature finds and declares that oversight of local agency fees is a matter of statewide interest and concern. It is, therefore, the intent of the Legislature that this chapter shall supersede all conflicting local laws and shall apply in charter cities.

(f) This section shall not be construed as granting any additional authority to any local agency to levy any fee or charge which is not otherwise authorized by another provision of law, nor shall its provisions be construed as granting authority to any local agency to levy a new fee or charge when other provisions of law specifically prohibit the levy of a fee or charge.

Pertaining to Accessory Dwelling Units

65852.2. (a) (1) A local agency may, by ordinance, provide for the creation of accessory dwelling units in areas zoned to allow single-family or multifamily use. The ordinance shall do all of the following:

(A) Designate areas within the jurisdiction of the local agency where accessory dwelling units may be permitted. The designation of areas may be based on criteria that may include, but are not limited to, the adequacy of water and sewer services and the impact of accessory dwelling units on traffic flow and public safety.

(B) (i) Impose standards on accessory dwelling units that include, but are not limited to, parking, height, setback, lot coverage, landscape, architectural review, maximum size of a unit, and standards that prevent adverse impacts on any real property that is listed in the California Register of Historic Places.

(ii) Notwithstanding clause (i), a local agency may reduce or eliminate parking requirements for any accessory dwelling unit located within its jurisdiction.

(C) Provide that accessory dwelling units do not exceed the allowable density for the lot upon which the accessory dwelling unit is located, and that accessory dwelling units are a residential use that is consistent with the existing general plan and zoning designation for the lot.

(D) Require the accessory dwelling units to comply with all of the following:

(i) The unit may be rented separate from the primary residence, but may not be sold or otherwise conveyed separate from the primary residence.

(ii) The lot is zoned to allow single-family or multifamily use and includes a proposed or existing single-family dwelling.

(iii) The accessory dwelling unit is either attached or located within the living area of the proposed or existing primary dwelling or detached from the proposed or existing primary dwelling and located on the same lot as the proposed or existing primary dwelling.

(iv) The total area of floorspace of an attached accessory dwelling unit shall not exceed 50 percent of the proposed or existing primary dwelling living area or 1,200 square feet.

(v) The total area of floorspace for a detached accessory dwelling unit shall not exceed 1,200 square feet.

- (vi) No passageway shall be required in conjunction with the construction of an accessory dwelling unit.
- (vii) No setback shall be required for an existing garage that is converted to an accessory dwelling unit or to a portion of an accessory dwelling unit, and a setback of no more than five feet from the side and rear lot lines shall be required for an accessory dwelling unit that is constructed above a garage.
- (viii) Local building code requirements that apply to detached dwellings, as appropriate.
- (ix) Approval by the local health officer where a private sewage disposal system is being used, if required.
- (x) (I) Parking requirements for accessory dwelling units shall not exceed one parking space per unit or per bedroom, whichever is less. These spaces may be provided as tandem parking on a driveway.
- (II) Offstreet parking shall be permitted in setback areas in locations determined by the local agency or through tandem parking, unless specific findings are made that parking in setback areas or tandem parking is not feasible based upon specific site or regional topographical or fire and life safety conditions.
- (III) This clause shall not apply to a unit that is described in subdivision (d).
- (xi) When a garage, carport, or covered parking structure is demolished in conjunction with the construction of an accessory dwelling unit or converted to an accessory dwelling unit, and the local agency requires that those offstreet parking spaces be replaced, the replacement spaces may be located in any configuration on the same lot as the accessory dwelling unit, including, but not limited to, as covered spaces, uncovered spaces, or tandem spaces, or by the use of mechanical automobile parking lifts. This clause shall not apply to a unit that is described in subdivision (d).
- (2) The ordinance shall not be considered in the application of any local ordinance, policy, or program to limit residential growth.
- (3) When a local agency receives its first application on or after July 1, 2003, for a permit pursuant to this subdivision, the application shall be considered ministerially without discretionary review or a hearing, notwithstanding Section 65901 or 65906 or any local ordinance regulating the issuance of variances or special use permits, within 120 days after receiving the application. A local agency may charge a fee to reimburse it for costs that it incurs as a result of amendments to this paragraph enacted during the 2001-02 Regular Session of the Legislature, including the costs of adopting or amending any ordinance that provides for the creation of an accessory dwelling unit.
- (4) An existing ordinance governing the creation of an accessory dwelling unit by a local agency or an accessory dwelling ordinance adopted by a local agency subsequent to the effective date of the act adding this paragraph shall provide an approval process that includes only ministerial provisions for the approval of accessory dwelling units and shall not include any discretionary processes, provisions, or requirements for those units, except as otherwise provided in this subdivision. In the event that a local agency has an existing accessory dwelling unit ordinance that fails to meet the requirements of this subdivision, that ordinance shall be null and void upon the effective date of the act adding this paragraph and that agency shall thereafter apply the standards established in this subdivision for the approval of accessory dwelling units, unless and until the agency adopts an ordinance that complies with this section.
- (5) No other local ordinance, policy, or regulation shall be the basis for the denial of a building permit or a use permit under this subdivision.
- (6) This subdivision establishes the maximum standards that local agencies shall use to evaluate a proposed accessory dwelling unit on a lot zoned for residential use that includes a proposed or existing single-family dwelling. No additional standards, other than those provided in this subdivision, shall be utilized or imposed, except that a local agency may require an applicant for a permit issued pursuant to this subdivision to be an owner-occupant or that the property be used for rentals of terms longer than 30 days.
- (7) A local agency may amend its zoning ordinance or general plan to incorporate the policies, procedures, or other provisions applicable to the creation of an accessory dwelling unit if these provisions are consistent with the limitations of this subdivision.
- (8) An accessory dwelling unit that conforms to this subdivision shall be deemed to be an accessory use or an accessory building and shall not be considered to exceed the allowable density for the lot upon which it is located, and shall be deemed to be a residential use that is consistent with the existing general plan and zoning designations for the lot. The accessory dwelling unit shall not be considered in the application of any local ordinance, policy, or program to limit residential growth.

(b) When a local agency that has not adopted an ordinance governing accessory dwelling units in accordance with subdivision (a) receives an application for a permit to create an accessory dwelling unit pursuant to this subdivision, the local agency shall approve or disapprove the application ministerially without discretionary review pursuant to subdivision (a) within 120 days after receiving the application.

(c) A local agency may establish minimum and maximum unit size requirements for both attached and detached accessory dwelling units. No minimum or maximum size for an accessory dwelling unit, or size based upon a percentage of the proposed or existing primary dwelling, shall be established by ordinance for either attached or detached dwellings that does not permit at least an efficiency unit to be constructed in compliance with local development standards. Accessory dwelling units shall not be required to provide fire sprinklers if they are not required for the primary residence.

(d) Notwithstanding any other law, a local agency, whether or not it has adopted an ordinance governing accessory dwelling units in accordance with subdivision (a), shall not impose parking standards for an accessory dwelling unit in any of the following instances:

- (1) The accessory dwelling unit is located within one-half mile of public transit.
- (2) The accessory dwelling unit is located within an architecturally and historically significant historic district.
- (3) The accessory dwelling unit is part of the proposed or existing primary residence or an accessory structure.
- (4) When on-street parking permits are required but not offered to the occupant of the accessory dwelling unit.
- (5) When there is a car share vehicle located within one block of the accessory dwelling unit.

(e) Notwithstanding subdivisions (a) to (d), inclusive, a local agency shall ministerially approve an application for a building permit to create within a zone for single-family use one accessory dwelling unit per single-family lot if the unit is contained within the existing space of a single-family residence or accessory structure, including, but not limited to, a studio, pool house, or other similar structure, has independent exterior access from the existing residence, and the side and rear setbacks are sufficient for fire safety. Accessory dwelling units shall not be required to provide fire sprinklers if they are not required for the primary residence. A city may require owner occupancy for either the primary or the accessory dwelling unit created through this process.

(f) (1) Fees charged for the construction of accessory dwelling units shall be determined in accordance with Chapter 5 (commencing with Section 66000) and Chapter 7 (commencing with Section 66012).

(2) Accessory dwelling units shall not be considered by a local agency, special district, or water corporation to be a new residential use for the purposes of calculating connection fees or capacity charges for utilities, including water and sewer service.

(A) For an accessory dwelling unit described in subdivision (e), a local agency, special district, or water corporation shall not require the applicant to install a new or separate utility connection directly between the accessory dwelling unit and the utility or impose a related connection fee or capacity charge.

(B) For an accessory dwelling unit that is not described in subdivision (e), a local agency, special district, or water corporation may require a new or separate utility connection directly between the accessory dwelling unit and the utility. Consistent with Section 66013, the connection may be subject to a connection fee or capacity charge that shall be proportionate to the burden of the proposed accessory dwelling unit, based upon either its size or the number of its plumbing fixtures, upon the water or sewer system. This fee or charge shall not exceed the reasonable cost of providing this service.

(g) This section does not limit the authority of local agencies to adopt less restrictive requirements for the creation of an accessory dwelling unit.

(h) Local agencies shall submit a copy of the ordinance adopted pursuant to subdivision (a) to the Department of Housing and Community Development within 60 days after adoption. The department may review and comment on this submitted ordinance.

(i) As used in this section, the following terms mean:

- (1) "Living area" means the interior habitable area of a dwelling unit including basements and attics but does not include a garage or any accessory structure.
- (2) "Local agency" means a city, county, or city and county, whether general law or chartered.

- (3) For purposes of this section, “neighborhood” has the same meaning as set forth in Section 65589.5.
- (4) “Accessory dwelling unit” means an attached or a detached residential dwelling unit which provides complete independent living facilities for one or more persons. It shall include permanent provisions for living, sleeping, eating, cooking, and sanitation on the same parcel as the single-family dwelling is situated. An accessory dwelling unit also includes the following:
- (A) An efficiency unit, as defined in Section 17958.1 of the Health and Safety Code.
- (B) A manufactured home, as defined in Section 18007 of the Health and Safety Code.
- (5) “Passageway” means a pathway that is unobstructed clear to the sky and extends from a street to one entrance of the accessory dwelling unit.
- (6) “Tandem parking” means that two or more automobiles are parked on a driveway or in any other location on a lot, lined up behind one another.
- (j) Nothing in this section shall be construed to supersede or in any way alter or lessen the effect or application of the California Coastal Act of 1976 (Division 20 (commencing with Section 30000) of the Public Resources Code), except that the local government shall not be required to hold public hearings for coastal development permit applications for accessory dwelling units.

(Amended by Stats. 2017, Ch. 602, Sec. 1.5. (AB 494) Effective January 1, 2018.)

APPENDIX B - WATER SYSTEM FIXED ASSET LISTING

Exhibit B-1 provides a detailed listing of the District's water system assets that are used in the calculation of water connection fees. Water service connections, meters, vehicles, equipment, and low-value asset classes have been excluded for the fee calculation and from this listing.

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
1000	Land and Land Rights	100000	Alpine Property	1/1/20		\$ 5,227	\$ 5,227	\$ 231,502	\$ 231,502
1000	Land and Land Rights	100009	Shafter Lands	1/1/20		\$ 138,656	\$ 138,656	\$ 6,140,870	\$ 6,140,870
1000	Land and Land Rights	100010	Pine Mt Tunnel	1/1/20		\$ 19,000	\$ 19,000	\$ 841,482	\$ 841,482
1000	Land and Land Rights	100029	Fairfax Prop	1/1/20		\$ 25,378	\$ 25,378	\$ 1,123,954	\$ 1,123,954
1000	Land and Land Rights	100039	Deer Park Prop	1/1/20		\$ 12,551	\$ 12,551	\$ 555,865	\$ 555,865
1000	Land and Land Rights	100042	Mill Valley	1/1/20		\$ 2,050	\$ 2,050	\$ 90,791	\$ 90,791
1000	Land and Land Rights	100046	North Coast Water	1/1/20		\$ 292,685	\$ 292,685	\$ 12,962,587	\$ 12,962,587
1000	Land and Land Rights	100047	"Peters,Alpine"	1/1/20		\$ 3,451	\$ 3,451	\$ 152,840	\$ 152,840
1000	Land and Land Rights	100033	Larkspur Landing Prop	1/1/20		\$ 28,994	\$ 28,994	\$ 1,284,102	\$ 1,284,102
1000	Land and Land Rights	100034	Kentfield Prop	1/1/20		\$ 2,776	\$ 2,776	\$ 122,945	\$ 122,945
1000	Land and Land Rights	100053	Marin Water Property	1/1/20		\$ 858,511	\$ 858,511	\$ 38,022,187	\$ 38,022,187
1000	Land and Land Rights	100002	Belv Land Co Property	1/1/22		\$ 13,115	\$ 13,115	\$ 837,884	\$ 837,884
1000	Land and Land Rights	100015	San Rafael	1/1/22		\$ 2,994	\$ 2,994	\$ 191,279	\$ 191,279
1000	Land and Land Rights	100040	"Doherty, C M Prop"	1/1/22		\$ 7,224	\$ 7,224	\$ 461,523	\$ 461,523
1000	Land and Land Rights	100048	Larkspur Prop	1/1/22		\$ 2,238	\$ 2,238	\$ 142,980	\$ 142,980
1000	Land and Land Rights	100007	Sausalito	1/1/26		\$ 62,780	\$ 62,780	\$ 3,355,235	\$ 3,355,235
1000	Land and Land Rights	100001	Beacon Hill Saus Tk Prop	1/1/35		\$ 2,218	\$ 2,218	\$ 125,797	\$ 125,797
1000	Land and Land Rights	100030	"Fawn Dr, S A Prop"	1/1/48		\$ 4,720	\$ 4,720	\$ 113,817	\$ 113,817
1000	Land and Land Rights	100049	Los Ranchitos Tank Lot	1/1/48		\$ 5,000	\$ 5,000	\$ 120,569	\$ 120,569
1000	Land and Land Rights	100005	Freitas Ranch Santa Marg	1/1/56		\$ 5,402	\$ 5,402	\$ 86,779	\$ 86,779
1000	Land and Land Rights	100012	Rafael Highlands Tank	1/1/56		\$ 2,500	\$ 2,500	\$ 40,160	\$ 40,160
1000	Land and Land Rights	100045	Oak Woodlands San Rafael	1/1/56		\$ 2,500	\$ 2,500	\$ 40,160	\$ 40,160
1000	Land and Land Rights	100032	Greenbrae Tank Prop	1/1/56		\$ 5,000	\$ 5,000	\$ 80,321	\$ 80,321
1000	Land and Land Rights	100051	Marinwood	1/1/56		\$ 5,000	\$ 5,000	\$ 80,321	\$ 80,321
1000	Land and Land Rights	100008	Sequoia Park #2 San Ansel	1/1/57		\$ 3,100	\$ 3,100	\$ 47,598	\$ 47,598
1000	Land and Land Rights	100011	Puerto Suello Tank Rafael	1/1/58		\$ 12,500	\$ 12,500	\$ 183,077	\$ 183,077
1000	Land and Land Rights	100013	San Clemente	1/1/58		\$ 3,000	\$ 3,000	\$ 43,938	\$ 43,938
1000	Land and Land Rights	100014	San Geronimo	1/1/58		\$ 32,626	\$ 32,626	\$ 477,845	\$ 477,845
1000	Land and Land Rights	100037	C M Office Prop	1/1/62		\$ 61,512	\$ 61,512	\$ 784,167	\$ 784,167
1000	Land and Land Rights	100038	C M Yard Prop	1/1/62		\$ 92,268	\$ 92,268	\$ 1,176,250	\$ 1,176,250
1000	Land and Land Rights	100044	Nicasio	1/1/63		\$ 899,000	\$ 899,000	\$ 11,091,744	\$ 11,091,744
1000	Land and Land Rights	100023	Strawberry	1/1/65		\$ 6,542	\$ 6,542	\$ 74,896	\$ 74,896
1000	Land and Land Rights	100024	Tamalpais Valley	1/1/65		\$ 27,771	\$ 27,771	\$ 317,934	\$ 317,934
1000	Land and Land Rights	100050	Madrone Woodlands	1/1/65		\$ 3,000	\$ 3,000	\$ 34,345	\$ 34,345
1000	Land and Land Rights	100052	Marinero #2	1/1/65		\$ 3,000	\$ 3,000	\$ 34,345	\$ 34,345
1000	Land and Land Rights	100003	"Bolinas Ridge, S A Prop"	1/1/67		\$ 5,132	\$ 5,132	\$ 53,119	\$ 53,119
1000	Land and Land Rights	100035	"Bret Harte #1, MV Prop"	1/1/67		\$ 9,650	\$ 9,650	\$ 99,882	\$ 99,882
1000	Land and Land Rights	100025	Terra Linda #20	1/1/68		\$ 2,500	\$ 2,500	\$ 24,062	\$ 24,062
1000	Land and Land Rights	100043	Muir Meadows	1/1/68		\$ 5,000	\$ 5,000	\$ 48,123	\$ 48,123
1000	Land and Land Rights	100031	Glenwood Forest	1/1/68		\$ 3,000	\$ 3,000	\$ 28,874	\$ 28,874
1000	Land and Land Rights	100004	San Rafael Park #4	1/1/69		\$ 2,500	\$ 2,500	\$ 21,900	\$ 21,900
1000	Land and Land Rights	100006	Santa Venetia Tank	1/1/69		\$ 4,500	\$ 4,500	\$ 39,420	\$ 39,420
1000	Land and Land Rights	100036	"Conifer Wv, Wdacr Prop"	1/1/69		\$ 18,726	\$ 18,726	\$ 164,039	\$ 164,039
1000	Land and Land Rights	100016	Smith Saddle	1/1/70		\$ 13,808	\$ 13,808	\$ 111,148	\$ 111,148
1000	Land and Land Rights	100041	Lagunitas Bstr Stn Cyc Path	1/1/74		\$ 4,717	\$ 4,717	\$ 25,958	\$ 25,958
1000	Land and Land Rights	100026	Lando Prop. Right Of Way	1/1/76		\$ 20,000	\$ 20,000	\$ 92,598	\$ 92,598
1000	Land and Land Rights	100022	Consulting Fee	1/4/76		\$ 5,000	\$ 5,000	\$ 23,150	\$ 23,150
1000	Land and Land Rights	100027	Chapman Reservoir Prop.	1/1/78		\$ 7,749	\$ 7,749	\$ 31,031	\$ 31,031
1000	Land and Land Rights	100028	Soulajule Dam	1/1/79		\$ 1,648,224	\$ 1,648,224	\$ 6,101,349	\$ 6,101,349
1000	Land and Land Rights	100017	Soulajule Job Closed 6/81	6/30/81		\$ 731,292	\$ 731,292	\$ 2,299,674	\$ 2,299,674
1000	Land and Land Rights	100019	Southern Marin Line Road	6/30/84		\$ 11,522	\$ 11,522	\$ 30,893	\$ 30,893

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
1000	Land and Land Rights	100018	Phoenix Dam Access Road	5/31/89		\$ 73,222	\$ 73,222	\$ 176,374	\$ 176,374
1000	Land and Land Rights	100020	T L Meadows Tank Site	6/30/93		\$ 23,599	\$ 23,599	\$ 50,352	\$ 50,352
1000	Land and Land Rights	100021	Salmonoid Habitat Restoration	6/30/96		\$ 58,939	\$ 58,939	\$ 116,582	\$ 116,582
1000	Land and Land Rights	100055	CATARACT TRAIL REPAIR	12/1/01		\$ 108,410	\$ 108,410	\$ 189,994	\$ 189,994
1000	Land and Land Rights	100054	CONCRETE PIPE RD SLIDE REPAIR-CONST.	5/1/02		\$ 9,854	\$ 9,854	\$ 16,755	\$ 16,755
1000	Land and Land Rights	100056	LAGUNITAS CREEK SEDIMENTATION-FDRL GRANT	6/30/03		\$ 405,696	\$ 405,696	\$ 673,720	\$ 673,720
1000	Land and Land Rights	100057	FAIRFAX MANOR TOP TANK ACCESS PROPERTY PURCHASE	6/30/04		\$ 145,787	\$ 145,787	\$ 227,776	\$ 227,776
1000	Land and Land Rights	100059	PHOENIX LAKE ROAD STABILIZATION PCT	6/30/05		\$ 163,594	\$ 163,594	\$ 244,236	\$ 244,236
1000	Land and Land Rights	100061	ESCROW	6/30/05		\$ 11,756	\$ 11,756	\$ 17,551	\$ 17,551
1000	Land and Land Rights	100062	BONDS NON-DEPR	6/30/05		\$ 87,586	\$ 87,586	\$ 130,761	\$ 130,761
1000	Land and Land Rights	100063	TAXES	6/30/05		\$ 73,021	\$ 73,021	\$ 109,016	\$ 109,016
1000	Land and Land Rights	100064	HAWTHORNE ROAD NON-DEPR	6/30/05		\$ 8,680	\$ 8,680	\$ 12,959	\$ 12,959
1000	Land and Land Rights	100065	ANDIES TRAIL NON-DEPR	6/30/05		\$ 3,242	\$ 3,242	\$ 4,840	\$ 4,840
1000	Land and Land Rights	100066	REFORESTING DISTRICT LANDS	6/30/05		\$ 6,603	\$ 6,603	\$ 9,858	\$ 9,858
1000	Land and Land Rights	100067	LAGUNITAS ROAD NON-DEPR	6/30/05		\$ 11,679	\$ 11,679	\$ 17,436	\$ 17,436
1000	Land and Land Rights	100068	PINE MT TUNNEL ACCESS ROAD	6/30/05		\$ 8,871	\$ 8,871	\$ 13,244	\$ 13,244
1000	Land and Land Rights	100069	MT TAMALPIAS PHASE III	6/30/05		\$ 2,700	\$ 2,700	\$ 4,031	\$ 4,031
1000	Land and Land Rights	100070	MT TAMALPIAS PHASE II	6/30/05		\$ 8,700	\$ 8,700	\$ 12,989	\$ 12,989
1000	Land and Land Rights	100071	SAN QUENTIN PIPEYARD	6/30/05		\$ 346,697	\$ 346,697	\$ 517,597	\$ 517,597
1000	Land and Land Rights	100072	B.T.T.P. ACCESS ROAD	6/30/05		\$ 61,517	\$ 61,517	\$ 91,841	\$ 91,841
1000	Land and Land Rights	100073	SKY OAKS MEADOW RESTORATION/ BULL FROG	6/30/06		\$ 108,976	\$ 108,976	\$ 156,292	\$ 156,292
1000	Land and Land Rights	100074	PETER'S DAM ACCESS ROAD-FEMA	6/30/07		\$ 806,983	\$ 806,983	\$ 1,126,131	\$ 1,126,131
1000	Land and Land Rights	100075	NIC. TRANS LINE / ROAD STAB. SP TAYLOR-FEMA	6/30/07		\$ 765,153	\$ 765,153	\$ 1,067,759	\$ 1,067,759
1000	Land and Land Rights	100076	SOUTHERN MARIN LINE ACCESS ROAD REPAIR-FEMA	6/30/07		\$ 51,866	\$ 51,866	\$ 72,379	\$ 72,379
1000	Land and Land Rights	100077	KENT ALPINE TRANS LINE KP 13/ ROAD STABLZTN-FEMA	6/30/07		\$ 7,359	\$ 7,359	\$ 10,270	\$ 10,270
1000	Land and Land Rights	100079	WATERSHEDS OF FAIRFAX - ROAD/TRAIL REGRADING	6/30/07		\$ 146,206	\$ 146,206	\$ 204,028	\$ 204,028
1000	Land and Land Rights	100080	PINE MT. TUNNEL ROAD STABILIZATION	6/30/07		\$ 46,211	\$ 46,211	\$ 64,487	\$ 64,487
1000	Land and Land Rights	100081	LAGUNITAS CREEK WATERSHED ROAD IMPROVEMENT	6/30/07		\$ 110,052	\$ 110,052	\$ 153,575	\$ 153,575
1000	Land and Land Rights	100082	CONCRETE PIPE ROAD ROAD MGMT PLAN-DRAINAGE	6/30/07		\$ 105,150	\$ 105,150	\$ 146,735	\$ 146,735
1000	Land and Land Rights	100083	MT TAM ROAD & TRAIL MANAGEMENT PLAN	3/31/08		\$ 220,031	\$ 220,031	\$ 294,338	\$ 294,338
1000	Land and Land Rights	100084	MARIN TERRACE PUMP STATION REPLS-LAND	5/31/08		\$ 25,458	\$ 25,458	\$ 34,056	\$ 34,056
1000	Land and Land Rights	100086	MILL VALLEY WATERSHEDS SEDIMENT CONTROL	6/30/09		\$ 411,950	\$ 411,950	\$ 534,353	\$ 534,353
1000	Land and Land Rights	100087	KENT ALPINE TRANS LINE KP9& 10 / ROAD STBL-FEMA	1/31/10		\$ 235,901	\$ 235,901	\$ 297,929	\$ 297,929
1000	Land and Land Rights	100088	NICASIO TRANSMISSION LINE #424742- FEMA	3/31/10		\$ 7,026	\$ 7,026	\$ 8,873	\$ 8,873
1000	Land and Land Rights	100089	SOULAJULE ACCESS ROAD REPAIR #424423- FEMA	3/31/10		\$ 59,046	\$ 59,046	\$ 74,572	\$ 74,572
1000	Land and Land Rights	100090	FEMA REIMBURSABLE- CROWN & IDLEWOOD ROADS	3/31/10		\$ 227,551	\$ 227,551	\$ 287,384	\$ 287,384
1000	Land and Land Rights	100091	RAILROAD GRADE REPAIR SMALL- NON FEMA	3/31/10		\$ 7,053	\$ 7,053	\$ 8,907	\$ 8,907
1000	Land and Land Rights	100092	RAILROAD GRADE REPAIR LARGE- NON FEMA	3/31/10		\$ 10,014	\$ 10,014	\$ 12,647	\$ 12,647
1000	Land and Land Rights	100093	CONCRETE PIPE RD & SHAVER GRADE RD SLIDE REPAIR	4/1/12		\$ 670,027	\$ 670,027	\$ 800,204	\$ 800,204
1000	Land and Land Rights	100095	PELICAN YARD GRADING PROJECT	10/31/13		\$ 159,676	\$ 159,676	\$ 185,925	\$ 185,925
1000	Land and Land Rights	100096	2010 BEST MGMT PRACTICES CULVERT UPGRAD	5/21/14		\$ 179,036	\$ 179,036	\$ 202,962	\$ 202,962
1000	Land and Land Rights	100097	LAGUNITAS CREEK WATERSHED UNPAVED ROAD	8/1/14		\$ 891	\$ 891	\$ 1,010	\$ 1,010
1000	Land and Land Rights	100098	PELICAN YARD GRADING and DRAINAGE IMPROVEMENT	6/30/16		\$ 108,526	\$ 108,526	\$ 116,697	\$ 116,697
1000	Land and Land Rights	100099	DEER PARK PAVING & REPAIR-PARKING LOT-ROAD	6/30/16		\$ 293,418	\$ 293,418	\$ 315,511	\$ 315,511
1000	Land and Land Rights	100100	278 SQ FT-501 OAK AVE, SAN ANSELMO	6/15/17		\$ 8,340	\$ 8,340	\$ 8,635	\$ 8,635
	1000 Land and Land Rights Totals					\$ 11,539,660	\$ 11,539,660	\$ 99,490,878	\$ 99,490,878
2000	Buildings	200000	Storage Building Pipe Yd	11/30/91	20	\$ 17,238	\$ -	\$ 39,633	\$ -
2000	Buildings	200001	Phoenix Lake House	6/30/91	11	\$ 9,993	\$ -	\$ 22,975	\$ -
2000	Buildings	200002	Restroom Building Kit	8/31/86	15	\$ 9,556	\$ -	\$ 24,733	\$ -
2000	Buildings	200003	Hoffman Enclosure	2/29/88	15	\$ 10,782	\$ -	\$ 26,523	\$ -
2000	Buildings	200004	Bontempe Tunnel/Rehab	7/1/92	20	\$ 18,156	\$ -	\$ 40,487	\$ -

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
2000	Buildings	200005	Motorized Shop Door	1/31/85	15	\$ 7,806	\$ -	\$ 20,685	\$ -
2000	Buildings	200006	Phoenix Lake & Patero Cam	1/1/71	40	\$ 10,182	\$ -	\$ 71,592	\$ -
2000	Buildings	200007	Soulajule Spillway Fence	5/31/86	15	\$ 7,577	\$ -	\$ 19,611	\$ -
2000	Buildings	200008	Phoenix Cabin Access	7/1/92	20	\$ 22,444	\$ -	\$ 50,050	\$ -
2000	Buildings	200008	PHOENIX CABIN ACCESS RAMP	12/22/10	1	\$ 223	\$ -	\$ 281	\$ -
2000	Buildings	200009	Reroof Shop Bldg-C.M.	6/30/84	15	\$ 12,521	\$ -	\$ 33,572	\$ -
2000	Buildings	200010	Mobile Office (Corp Yard)	9/30/91	15	\$ 18,426	\$ -	\$ 42,364	\$ -
2000	Buildings	200011	Lower Phoenix Bridge Repl	6/30/82	20	\$ 11,420	\$ -	\$ 33,189	\$ -
2000	Buildings	200012	"2,000 Fuel Tank Sgtp"	5/31/89	20	\$ 18,850	\$ -	\$ 45,405	\$ -
2000	Buildings	200013	Refurbishing Interior M/O	8/31/85	10	\$ 11,309	\$ -	\$ 29,968	\$ -
2000	Buildings	200014	Carpeting Main Office	6/30/84	10	\$ 10,955	\$ -	\$ 29,373	\$ -
2000	Buildings	200015	Erosion Cont Bret Hart Tk	6/30/83	20	\$ 12,000	\$ -	\$ 32,808	\$ -
2000	Buildings	200016	MMWD HAVA - Modifications	7/1/97	40	\$ 103,406	\$ 51,704	\$ 197,306	\$ -
2000	Buildings	200017	Greenbrae Yard	1/1/53	40	\$ 5,443	\$ -	\$ 100,844	\$ 98,654
2000	Buildings	200018	Main Gate Automat Sgtp	2/29/92	15	\$ 8,495	\$ -	\$ 18,944	\$ -
2000	Buildings	200019	Retaining Wall-Lattie Tk	6/30/83	20	\$ 5,667	\$ -	\$ 15,494	\$ -
2000	Buildings	200020	"2,000 Gal Fuel Tank Mmwd"	5/31/89	20	\$ 8,127	\$ -	\$ 19,576	\$ -
2000	Buildings	200021	Building Security System	3/31/89	10	\$ 4,669	\$ -	\$ 11,246	\$ -
2000	Buildings	200022	"2,000 Gal Fuel Tk Sky Oak"	5/31/89	20	\$ 7,663	\$ -	\$ 18,458	\$ -
2000	Buildings	200023	Middle Peak Generator Hou	1/1/58	40	\$ 4,577	\$ -	\$ 67,035	\$ -
2000	Buildings	200024	8X8X20 Storage Containers	5/31/88	15	\$ 5,222	\$ -	\$ 12,846	\$ -
2000	Buildings	200025	Womens Bathroom Improve T	5/31/89	20	\$ 9,439	\$ -	\$ 22,736	\$ -
2000	Buildings	200026	Auto Shop Exhaust System	6/30/83	10	\$ 7,125	\$ -	\$ 19,480	\$ -
2000	Buildings	200027	Finance Office Remodeling	1/31/92	10	\$ 7,525	\$ -	\$ 16,781	\$ -
2000	Buildings	200028	West Blithedale Brige M.V	5/30/88	20	\$ 10,438	\$ -	\$ 25,677	\$ -
2000	Buildings	200029	San Quentin Yard Fencing	6/30/82	10	\$ 6,629	\$ -	\$ 19,266	\$ -
2000	Buildings	200030	Riggings Bridge Rehab	6/30/83	10	\$ 6,421	\$ -	\$ 17,555	\$ -
2000	Buildings	200031	"2,000 Gal Fuel Tank Mmwd"	2/28/90	20	\$ 10,371	\$ -	\$ 24,364	\$ -
2000	Buildings	200032	Eldridge Grade Slid	11/1/99	15	\$ 132,024	\$ -	\$ 242,224	\$ -
2000	Buildings	200033	Exterior Signs/Corp Yard & Admin Bldg	9/1/96	12	\$ 14,277	\$ -	\$ 28,240	\$ -
2000	Buildings	200034	Restoration/Parking Lot	6/30/84	10	\$ 13,794	\$ -	\$ 36,985	\$ -
2000	Buildings	200035	Repainting B. T. & Main Off	11/30/85	10	\$ 42,910	\$ -	\$ 113,708	\$ -
2000	Buildings	200036	Bon Tempe Access Road	2/1/94	15	\$ 83,751	\$ -	\$ 172,154	\$ -
2000	Buildings	200037	Reroof Cm Office Bldg	7/1/92	15	\$ 68,547	\$ -	\$ 152,858	\$ -
2000	Buildings	200038	Bon Tempe Access Road	2/1/94	15	\$ 82,791	\$ -	\$ 170,181	\$ -
2000	Buildings	200039	HVAC System	6/30/91	25	\$ 101,578	\$ -	\$ 233,544	\$ -
2000	Buildings	200040	Ada Conversion Office Building	2/1/95	40	\$ 249,866	\$ 109,837	\$ 507,698	\$ 223,175
2000	Buildings	200041	Sky Oaks Ranger Station	1/1/97	40	\$ 346,819	\$ 169,074	\$ 661,755	\$ 322,606
2000	Buildings	200041	SKY OAKS RANGER STATION SEPTIC SYSTEM IMPROVEMENT	5/31/07	20	\$ 70,924	\$ 35,199	\$ 98,973	\$ 49,119
2000	Buildings	200041	SKY OAKS ROAD REPAIR	6/30/07	15	\$ 128,196	\$ 34,186	\$ 178,896	\$ 47,706
2000	Buildings	200042	Lagunitas Lake Pier	6/30/82	40	\$ 69,435	\$ 6,943	\$ 201,796	\$ 20,178
2000	Buildings	200043	Wq Equip Storage Building	6/30/92	15	\$ 74,205	\$ -	\$ 165,475	\$ -
2000	Buildings	200044	Corte Madera Office	1/1/62	40	\$ 934,044	\$ -	\$ 11,907,369	\$ -
2000	Buildings	200044	ADMIN BUILDING HVAC REPLACEMENT	1/31/09	20	\$ 12,528	\$ 6,891	\$ 16,251	\$ 8,938
2000	Buildings	200044	ADMIN BUILDING LIGHTING CONTRACTOR REPLS	1/31/09	20	\$ 6,360	\$ 3,498	\$ 8,250	\$ 4,537
2000	Buildings	200044	ADMIN BUILDING WATER CONSERVATION REMODEL	12/31/09	40	\$ 28,699	\$ 22,959	\$ 37,227	\$ 29,781
2000	Buildings	200044	ALTERNATE ENERGY SUPPLY- ADMIN OFFICE	12/31/09	20	\$ 1,029,546	\$ 626,314	\$ 1,335,457	\$ 812,412
2000	Buildings	200044	ADMIN BUILDING HVAC COOLING TOWER CHEMICAL INJECTI	12/31/09	12	\$ 8,307	\$ 2,769	\$ 10,775	\$ 3,592
2000	Buildings	200044	ADMIN BUILDING BOARD ROOM HVAC REPLS	12/21/10	40	\$ 9,977	\$ 8,231	\$ 12,600	\$ 10,395
2000	Buildings	200044	HUMAN RESOURCES REMODEL- ADMIN BLDG	12/22/10	40	\$ 20,044	\$ 16,537	\$ 25,315	\$ 20,885
2000	Buildings	200045	Corte Madera Yard	1/1/62	40	\$ 451,249	\$ -	\$ 5,752,607	\$ -

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
2000	Buildings	200045	MMWD CORPORATION YARD RE-ROOFING	1/11/07	15	\$ 557,421	\$ 164,135	\$ 777,872	\$ 229,048
2000	Buildings	200045	ALTERNATIVE ENERGY SUPPLY- CORPORATE YARD	12/31/09	20	\$ 1,032,354	\$ 628,030	\$ 1,339,100	\$ 814,638
2000	Buildings	200046	Paint Sgtp/Ignacio Pump	6/30/90	10	\$ 202,687	-	\$ 476,153	-
2000	Buildings	200047	SCADA Building And Offices	3/1/95	40	\$ 628,889	\$ 277,759	\$ 1,277,828	\$ 564,374
2000	Buildings	200048	Phoenix Cabin Restoration	6/30/90	40	\$ 283,344	\$ 92,085	\$ 665,632	\$ 216,327
2000	Buildings	200049	Bon Tempe Tunnel Re-Evaluation	3/1/95	40	\$ 406,136	\$ 179,377	\$ 825,220	\$ 364,472
2000	Buildings	200050	Soulajule Acc/Bridge D&R	6/30/83	10	\$ 46,065	-	\$ 125,941	-
2000	Buildings	200051	Skyoaks Vehicle Shed	6/30/91	11	\$ 49,990	-	\$ 114,935	-
2000	Buildings	200052	Flooring Dispath Main Off	11/30/85	10	\$ 23,254	-	\$ 61,621	-
2000	Buildings	200053	San Geronimo Ridge Road Slide Repair	6/30/97	15	\$ 85,195	-	\$ 162,558	-
2000	Buildings	200054	Alpine Security Residence	6/30/90	40	\$ 72,490	\$ 23,560	\$ 170,294	\$ 55,347
2000	Buildings	200055	Pine Mt Tunnel Bridge	6/30/82	20	\$ 19,127	-	\$ 55,588	-
2000	Buildings	200056	Kiosk-Sky Oaks	6/30/85	15	\$ 17,888	-	\$ 47,402	-
2000	Buildings	200057	Air Conditioning Controls	5/31/88	15	\$ 19,873	-	\$ 48,886	-
2000	Buildings	200058	District Office Landscaping Upgrade	7/31/94	40	\$ 96,962	\$ 41,411	\$ 199,310	\$ 85,123
2000	Buildings	200059	Paving & Overlay-Corp Yd	11/30/82	10	\$ 15,535	-	\$ 45,149	-
2000	Buildings	200060	Recreation Improvements	1/1/70	40	\$ 31,308	-	\$ 252,015	-
2000	Buildings	200061	Soulajule Bridge Replacement	6/30/96	50	\$ 336,894	\$ 195,398	\$ 666,380	\$ 386,499
2000	Buildings	200062	Sky Oaks House 6/81	6/30/81	40	\$ 63,365	\$ 4,754	\$ 199,262	\$ 14,950
2000	Buildings	200063	Alpine Dam Redecking	5/31/88	20	\$ 48,649	-	\$ 119,673	-
2000	Buildings	200064	Soulajule Access Rd Bridge	6/30/90	10	\$ 30,564	-	\$ 71,801	-
2000	Buildings	200065	Ada Conversion To Parking Lot	6/30/94	15	\$ 62,607	-	\$ 128,692	-
2000	Buildings	200066	"Car Wash Rack System, Yard"	1/1/94	15	\$ 55,531	-	\$ 114,147	-
2000	Buildings	200067	Soulajule B&S Closed 6/81	6/30/81	40	\$ 49,672	\$ 3,723	\$ 156,202	\$ 11,708
2000	Buildings	200068	Corp. Yard Replacement	6/30/82	10	\$ 24,739	-	\$ 71,898	-
2000	Buildings	200068	CORPORATE YARD LIGHTING	1/31/09	20	\$ 15,413	\$ 8,477	\$ 19,993	\$ 10,996
2000	Buildings	200068	CORPORATE YARD MAINTENANCE PLANNER OFFICE	12/31/09	40	\$ 6,268	\$ 5,014	\$ 8,130	\$ 6,504
2000	Buildings	200068	F & W ADMIN BUILDING REROOFING PJCT	10/31/11	15	\$ 97,859	\$ 59,259	\$ 119,939	\$ 72,630
2000	Buildings	200073	"Watershed Study,Phase I"	1/1/80	20	\$ 187,235	-	\$ 642,997	-
2000	Buildings	200074	Sediment Control Sg Creek	11/1/96	15	\$ 482,516	-	\$ 954,422	-
2000	Buildings	200075	Paving Lagunitas Park Lot	2/28/86	10	\$ 135,226	-	\$ 349,995	-
2000	Buildings	200075	SLURRY SEAL LAGUNITAS PARKING LOT- RESURFACING	2/28/86	10	\$ 15,925	\$ 9,196	\$ 41,217	\$ 23,802
2000	Buildings	200076	ADA Upgrades - Watershed	6/30/97	15	\$ 97,329	-	\$ 185,711	-
2000	Buildings	200078	10'X 24' Modular Trailer	12/1/99	20	\$ 10,832	-	\$ 19,874	\$ 2,403
2000	Buildings	200079	MMWD Office HVAC Imprv	1/1/01	20	\$ 7,177	\$ 1,258	\$ 12,578	\$ 2,205
2000	Buildings	200080	SGTP - ADA Improvements	6/1/00	40	\$ 71,974	\$ 41,243	\$ 128,612	\$ 73,697
2000	Buildings	200086	Fence At Nicasio Re	7/1/00	15	\$ 24,960	-	\$ 44,601	-
2000	Buildings	200087	Reroof Soulajule Ranger Resid	6/30/99	15	\$ 12,410	-	\$ 22,769	-
2000	Buildings	200088	Worm Springs Erosio	1/1/01	15	\$ 40,269	-	\$ 70,573	-
2000	Buildings	200089	Reroof Alpine Ranger Residence	6/1/99	15	\$ 4,750	-	\$ 8,715	-
2000	Buildings	200090	Natalie Coffin Green	12/1/01	15	\$ 352,489	-	\$ 617,754	-
2000	Buildings	200091	West Point Inn Upgr	1/1/00	40	\$ 7,129	\$ 4,011	\$ 12,738	\$ 7,168
2000	Buildings	200094	Sediment Control Sg Creek Center	3/31/98	15	\$ 11,323	-	\$ 21,262	-
2000	Buildings	200095	Bottled Wtr - Capit	7/1/99	1	\$ 15,265	-	\$ 28,007	-
2000	Buildings	200096	Forbes Hill Reservoir Roof Project	6/30/97	15	\$ 43,132	-	\$ 82,299	-
2000	Buildings	200097	Sediment Control Sg Creek - Capitalized Interest	11/1/96	15	\$ 36,519	-	\$ 72,235	-
2000	Buildings	200098	Lower Catarac Trail Rep	1/1/99	15	\$ 37,951	-	\$ 69,629	-
2000	Buildings	200099	Lower Catarac Tri-Phase LI	12/1/98	15	\$ 25,000	-	\$ 46,944	-
2000	Buildings	200100	Marin Stables Upgrade	7/1/98	15	\$ 49,475	\$ 25,978	\$ 92,903	\$ 48,781
2000	Buildings	200101	West Point Inn Upgrades Ad	3/1/99	40	\$ 63,320	\$ 34,301	\$ 116,172	\$ 62,931
2000	Buildings	200102	Firefighting Equipment	11/30/81	15	\$ 3,444	-	\$ 10,830	-

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
2000	Buildings	200103	Pipe/Cup Locator	9/1/00	8	\$ 2,574	\$ -	\$ 4,600	\$ -
2000	Buildings	200104	Automatic Gate - Sky Oaks Ranger Station	6/30/97	15	\$ 11,380	\$ -	\$ 21,714	\$ -
2000	Buildings	200105	Handicap Modification Off	6/30/82	10	\$ 2,985	\$ -	\$ 8,675	\$ -
2000	Buildings	200106	Motorized Fence Gate	11/30/85	15	\$ 2,968	\$ -	\$ 7,865	\$ -
2000	Buildings	200107	Install Partition Act/Dp	5/31/89	10	\$ 2,852	\$ -	\$ 6,870	\$ -
2000	Buildings	200108	Data Processing Partition	5/31/88	15	\$ 3,164	\$ -	\$ 7,783	\$ -
2000	Buildings	200109	"2,000 Gal Fuel Tk Sky Oak"	2/28/90	20	\$ 4,726	\$ -	\$ 11,102	\$ -
2000	Buildings	200110	Sky Oaks Residence	5/31/82	40	\$ 5,326	\$ 535	\$ 15,479	\$ 1,554
2000	Buildings	200110	SKY OAKS RESIDENCE TEMPORARY OFFICE SPACE IMPROV	12/31/09	40	\$ 24,834	\$ 20,126	\$ 32,213	\$ 26,106
2000	Buildings	200111	Building Security System	5/31/88	10	\$ 2,636	\$ -	\$ 6,484	\$ -
2000	Buildings	200112	Lagunitas Dam Lk Beepers Water	6/30/82	40	\$ 6,249	\$ 627	\$ 18,161	\$ 1,823
2000	Buildings	200113	Steel Roll Up Door	11/30/91	20	\$ 8,900	\$ -	\$ 20,462	\$ -
2000	Buildings	200114	Wash Water Recov Pnd Fenc	2/29/92	15	\$ 6,740	\$ -	\$ 15,030	\$ -
2000	Buildings	200115	Fish Grade Gate Installation	6/1/97	15	\$ 15,164	\$ -	\$ 28,934	\$ -
2000	Buildings	200116	Bullet Proof Glass	12/1/81	40	\$ 7,716	\$ 868	\$ 24,264	\$ 2,728
2000	Buildings	200117	Partition Purch/Engineer	6/30/85	10	\$ 3,604	\$ -	\$ 9,550	\$ -
2000	Buildings	200118	Cabinets/Counter Top/Yard	1/31/85	15	\$ 3,509	\$ -	\$ 9,299	\$ -
2000	Buildings	200119	Souljule Pump Sta Access	1/1/84	20	\$ 3,934	\$ -	\$ 10,548	\$ -
2000	Buildings	200120	Heating/Cooling Unit	11/30/85	10	\$ 3,404	\$ -	\$ 9,020	\$ -
2000	Buildings	200121	New Carpets - San Geronimo And Bon Tempe Locations	6/1/97	15	\$ 6,681	\$ -	\$ 12,748	\$ -
2000	Buildings	200122	Steel Rolling Door	5/31/92	20	\$ 3,860	\$ -	\$ 8,608	\$ -
2000	Buildings	200123	Souljule Bridge Replacement	3/31/98	40	\$ 17,678	\$ 9,171	\$ 33,195	\$ 17,221
2000	Buildings	200124	Entrance Sign Replacement Prog	6/30/99	10	\$ 6,325	\$ -	\$ 11,604	\$ -
2000	Buildings	200125	Porteous Rngr Res F	1/1/00	40	\$ 101,866	\$ 57,310	\$ 182,027	\$ 102,408
2000	Buildings	200126	SGTP - Furnace	6/30/98	40	\$ 13,450	\$ 7,062	\$ 25,256	\$ 13,261
2000	Buildings	200127	Leo Cronin Memorial At Lagunitas Creek	4/1/96	40	\$ 5,053	\$ 2,369	\$ 9,995	\$ 4,685
2000	Buildings	200128	Customer Service Office	6/30/95	40	\$ 3,685	\$ 1,658	\$ 7,487	\$ 3,369
2000	Buildings	200129	Water Quality Lab Expansion	6/30/95	40	\$ 12,577	\$ 5,660	\$ 25,555	\$ 11,501
2000	Buildings	200130	Nicasio Dam Spillway Bridge	4/1/96	50	\$ 24,506	\$ 14,091	\$ 48,473	\$ 27,872
2000	Buildings	200131	District Office Landscape	7/1/92	10	\$ 2,687	\$ -	\$ 5,992	\$ -
2000	Buildings	200132	Alpine Dam Bridge	6/30/82	10	\$ 2,410	\$ -	\$ 7,004	\$ -
2000	Buildings	200133	20' Steel Storage Contain	6/30/90	15	\$ 3,055	\$ -	\$ 7,177	\$ -
2000	Buildings	200134	Conifer/Wy Tank Sei	1/1/00	40	\$ 154,220	\$ 86,765	\$ 275,578	\$ 155,042
2000	Buildings	200135	Alpine Bridge Deck	6/30/82	10	\$ 2,006	\$ -	\$ 5,830	\$ -
2000	Buildings	200136	Seismic Upgrades And Space Modifications	6/30/97	40	\$ 20,547	\$ 10,273	\$ 39,205	\$ 19,602
2000	Buildings	200137	Modification Material Off	6/30/90	10	\$ 2,188	\$ -	\$ 5,140	\$ -
2000	Buildings	200138	EMERGENCY MATERIALS STORAGE BUILDING	5/1/02	40	\$ 511,084	\$ 317,875	\$ 868,984	\$ 540,476
2000	Buildings	200140	LGP CONTROL BUILDING COATING	11/6/02	20	\$ 14,673	\$ 4,014	\$ 24,948	\$ 6,824
2000	Buildings	200141	WINDOW REPLACEMENT SOUJULE RESIDENCE	3/31/06	20	\$ 10,790	\$ 4,379	\$ 15,475	\$ 6,280
2000	Buildings	200142	WATERSHED STRUCTURES INSPECTION	7/31/03	20	\$ 19,914	\$ 5,974	\$ 33,070	\$ 9,921
2000	Buildings	200142	WATERSHED STRUCTURES INSPECTION	6/30/04	20	\$ 10,088	\$ 3,531	\$ 15,761	\$ 5,516
2000	Buildings	200143	ALPINE RANGER RESIDENCE CABINETS INSTALLATION	7/31/03	20	\$ 4,093	\$ 1,245	\$ 6,798	\$ 2,068
2000	Buildings	200144	PHOENIX LAKE RESIDENCE-ELECTRICAL	6/30/04	20	\$ 2,868	\$ 992	\$ 4,481	\$ 1,550
2000	Buildings	200145	REPLACE VAULT TOILET PHOENIX DAM	8/31/03	20	\$ 2,853	\$ 868	\$ 4,738	\$ 1,441
2000	Buildings	200145	REPLACE VAULT TOILET PHOENIX DAM	7/31/03	20	\$ 210	\$ 74	\$ 329	\$ 115
2000	Buildings	200146	WEST POINT INN RESTORATION	7/31/03	20	\$ 2,465	\$ 739	\$ 4,094	\$ 1,228
2000	Buildings	200146	WEST POINT INN RESTORATION	6/30/04	20	\$ 151,548	\$ 53,042	\$ 236,777	\$ 82,872
2000	Buildings	200146	WEST POINT INN RESTORATION	6/30/06	20	\$ 632,923	\$ 279,542	\$ 907,733	\$ 400,917
2000	Buildings	200147	INKWELL BRIDGE DESIGN	7/31/03	20	\$ 10,100	\$ 3,030	\$ 16,773	\$ 5,032
2000	Buildings	200147	INKWELL BRIDGE CONSTRUCTION	6/30/05	20	\$ 948,956	\$ 363,867	\$ 1,416,733	\$ 543,231
2000	Buildings	200147	INKWELL BRIDGE DESIGN	6/30/04	20	\$ 64,500	\$ 22,575	\$ 100,774	\$ 35,271

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
2000	Buildings	200148	WATER QUALITY LABORATORY-CONSTRUCTION	6/30/04	40	\$ 3,976,464	\$ 2,680,923	\$ 6,212,796	\$ 4,188,653
2000	Buildings	200148	WATER QUALITY LABORATORY-DEMOLITION	6/30/04	40	\$ 136,892	\$ 95,824	\$ 213,878	\$ 149,715
2000	Buildings	200148	WATER QUALITY LAB(FORMER) COMPUTER EQUIP	5/31/06	5	\$ 35,679	\$ -	\$ 51,171	\$ -
2000	Buildings	200148	WATER QUALITY LAB(FORMER) FURNITURE	5/31/06	12	\$ 8,730	\$ -	\$ 12,520	\$ -
2000	Buildings	200149	SGTP CHEMICAL ROOM LIGHTING	6/30/05	20	\$ 21,878	\$ 8,660	\$ 32,663	\$ 12,929
2000	Buildings	200149	SGTP CHEMICAL ROOM LIGHTING PHASE II	6/30/05	20	\$ 23,848	\$ 9,440	\$ 35,604	\$ 14,093
2000	Buildings	200150	BON TEMPE TREATMENT PLANT PERIMETER FENCING	12/31/05	15	\$ 254,671	\$ 56,594	\$ 380,208	\$ 84,491
2000	Buildings	200150	SGTP PERIMETER FENCING	12/31/05	15	\$ 227,087	\$ 50,464	\$ 339,027	\$ 75,339
2000	Buildings	200151	LAGUNITAS SEPTIC SYSTEM REPAIR- RANGER RESIDENCE	12/31/05	40	\$ 48,929	\$ 34,232	\$ 73,048	\$ 51,106
2000	Buildings	200152	ALPINE DAM RANGER RESIDENCE DRIVEWAY	12/31/05	20	\$ 7,800	\$ 3,120	\$ 11,645	\$ 4,658
2000	Buildings	200153	FUELING SYSTEM UPGRADE PROJECT	2/28/06	20	\$ 471,262	\$ 200,323	\$ 675,881	\$ 287,301
2000	Buildings	200154	CORPORATION YARD PERIMETER FENCE PJCT	3/31/06	15	\$ 167,768	\$ 38,214	\$ 240,611	\$ 54,806
2000	Buildings	200155	ROCK STORAGE SHELTER AT PELICAN WAY YARD	6/30/06	20	\$ 120,435	\$ 51,185	\$ 172,727	\$ 73,409
2000	Buildings	200156	CORP YARD ASBESTOS ABATEMENT & REROOF	11/30/10	15	\$ 169,532	\$ 94,184	\$ 214,109	\$ 118,950
2000	Buildings	200157	2005/06 FFMP CONCRETE ROAD RETAINING WALLS	6/30/07	20	\$ 201,171	\$ 98,911	\$ 280,731	\$ 138,029
2000	Buildings	200158	AUTO SHOP INTERIOR LIGHTING INSTALLATION	9/30/08	20	\$ 8,655	\$ 4,760	\$ 11,578	\$ 6,368
2000	Buildings	200159	WELDING SHOP INTERIOR LIGHTING	1/31/09	20	\$ 8,185	\$ 4,502	\$ 10,617	\$ 5,839
2000	Buildings	200160	AUTO SHOP EXHAUST EXTRACTION SYSTEM	1/31/09	20	\$ 32,459	\$ 17,852	\$ 42,103	\$ 23,157
2000	Buildings	200161	GARAGE AT PHOENIX LAKE	1/31/09	20	\$ 34,629	\$ 19,046	\$ 44,918	\$ 24,705
2000	Buildings	200162	SLOPE MONITORING WELLS- PHOENIX CABIN	1/31/09	50	\$ 9,461	\$ 7,758	\$ 12,272	\$ 10,063
2000	Buildings	200163	SAN GERONIMO CREEK WATERSHED PLAN	1/31/09	1	\$ 47,284	\$ -	\$ 61,333	\$ -
2000	Buildings	200164	WATERSHED SIGN REPLACEMENT	1/31/09	12	\$ 2,818	\$ 704	\$ 3,655	\$ 914
2000	Buildings	200165	SKY OAKS CONFERENCE ROOM	1/31/09	20	\$ 28,160	\$ 15,488	\$ 36,527	\$ 20,090
2000	Buildings	200166	DIBBLE ROAD, ROSS, PAVING PROJECT	1/31/09	15	\$ 22,000	\$ 8,800	\$ 28,537	\$ 11,415
2000	Buildings	200167	MARIN STABLES SITE EVALUATION	3/31/09	1	\$ 4,154	\$ -	\$ 5,388	\$ -
2000	Buildings	200168	WAREHOUSE EXTERIOR STORAGE SYSTEM	3/31/09	20	\$ 45,913	\$ 25,252	\$ 59,555	\$ 32,755
2000	Buildings	200169	WEST PEAK SITE EVALUATION STUDY	3/31/09	1	\$ 47,491	\$ -	\$ 61,603	\$ -
2000	Buildings	200170	CORPORATION YARD GENERATOR FUEL TANK	3/31/09	20	\$ 20,572	\$ 11,315	\$ 26,684	\$ 14,676
2000	Buildings	200171	WATERSHED ENTRANCE SIGN	12/31/09	20	\$ 2,465	\$ 1,479	\$ 3,197	\$ 1,918
2000	Buildings	200172	PETER'S DAM ROAD PAVEMENT REPLACEMENT	12/31/09	15	\$ 460	\$ 215	\$ 597	\$ 279
2000	Buildings	200173	KENT LAKE EAST CRIB WALL REPLACEMENT	12/31/09	1	\$ 879	\$ -	\$ 1,141	\$ -
2000	Buildings	200174	NEW SKY OAKS MODULAR BUILDING	12/31/09	20	\$ 110,590	\$ 66,477	\$ 143,450	\$ 86,229
2000	Buildings	200174	NEW SKY OAKS MODULAR BUILDING	12/31/09	12	\$ 10,081	\$ 3,360	\$ 13,077	\$ 4,359
2000	Buildings	200175	YARD STRUCTURES & MAIN OFFICE SEISMIC STUDY	12/31/09	1	\$ 73,413	\$ -	\$ 95,227	\$ -
2000	Buildings	200176	YARD SCADA TELEMETRY ANTENNA REPLS	1/31/10	20	\$ 24,250	\$ 14,550	\$ 30,626	\$ 18,376
2000	Buildings	200177	MT TAMALPAIS RADIO TOWER PROJECT	10/31/10	40	\$ 170,246	\$ 140,453	\$ 215,011	\$ 177,384
2000	Buildings	200178	TRIPLE C RANCH CULVERT REHABILITATION PJCT	11/30/10	40	\$ 58,735	\$ 48,457	\$ 74,179	\$ 61,198
2000	Buildings	200179	EXIT SIGNS/ BACK-UP LIGHTING ADMIN & CORP YARD	12/21/10	12	\$ 7,353	\$ 3,268	\$ 9,287	\$ 4,127
2000	Buildings	200180	MT. TAM WATERSHED GATEWAY PROJECT	6/30/11	20	\$ 323,961	\$ 221,687	\$ 397,055	\$ 271,705
2000	Buildings	200181	CONCRETE PIPE ROAD RETAINING WALL	12/31/10	1	\$ 1,796	\$ -	\$ 2,269	\$ -
2000	Buildings	200182	SOULAJULE PUMP STATION DIESEL TANK UPGRADE	3/31/11	20	\$ 303,853	\$ 208,065	\$ 372,410	\$ 255,009
2000	Buildings	200183	WALKER CREEK SALMON MONITORING PROGRAM	5/31/11	1	\$ 97,554	\$ -	\$ 119,565	\$ -
2000	Buildings	200184	RARE PLANT HABITAT RESTORATION CONTROL	5/31/11	15	\$ 12,880	\$ 6,869	\$ 15,786	\$ 8,419
2000	Buildings	200185	ADMIN BUILDING FRONT PARKING LOT & ENTRY	3/1/12	40	\$ 270,127	\$ 234,110	\$ 322,609	\$ 279,594
2000	Buildings	200186	BON TEMPE TREATMENT PLANT RE-ROOFING	6/30/12	15	\$ 154,232	\$ 101,965	\$ 184,197	\$ 121,776
2000	Buildings	200187	ADMIN BUILDING FRONT LOBBY REMODEL	2/1/13	40	\$ 347,542	\$ 309,212	\$ 404,675	\$ 360,044
2000	Buildings	200188	ADMIN BUILDING REMODEL	7/1/12	20	\$ 14,664	\$ 10,998	\$ 17,512	\$ 13,134
2000	Buildings	200189	SKY OAKS MODULAR BUILDING II	6/1/13	20	\$ 183,536	\$ 146,064	\$ 213,707	\$ 170,075
2000	Buildings	200190	WATER QUALITY SAMPLE STATIONS	10/3/13	40	\$ 55,933	\$ 50,689	\$ 65,128	\$ 59,022
2000	Buildings	200191	STRUCTURAL ASSESSMENT OF WATERSHED BUILDINGS	3/1/14	10	\$ 27,696	\$ 18,464	\$ 31,397	\$ 20,931
2000	Buildings	200192	PORTEOUS RANCH RESIDENCE REPAIR PROJECT	3/1/14	30	\$ 15,611	\$ 13,876	\$ 17,697	\$ 15,730

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
2000	Buildings	200193	CORP YARD PORTABLE BUILDING REPLACEMENT	3/1/14	15	\$ 92,754	\$ 72,142	\$ 105,149	\$ 81,782
2000	Buildings	200194	LGVRP LAB	3/1/14	30	\$ 33,755	\$ 30,005	\$ 38,266	\$ 34,014
2000	Buildings	200195	CORPORATION YARD SECURITY FENCE	4/30/14	15	\$ 13,610	\$ 10,661	\$ 15,429	\$ 12,086
2000	Buildings	200196	SOULAJULE GATE REPLACEMENT	8/1/14	10	\$ 24,699	\$ 17,289	\$ 28,000	\$ 19,600
2000	Buildings	200197	TRAILHEAD KIOSK PROJECT	8/1/14	15	\$ 11,966	\$ 9,573	\$ 13,565	\$ 10,852
2000	Buildings	200198	MMWD LAKES KIOSK	8/1/14	15	\$ 33,032	\$ 26,425	\$ 37,446	\$ 29,957
2000	Buildings	200199	VAULT TOILET CONVERSION-LAGUNITAS	8/1/14	20	\$ 19,263	\$ 16,373	\$ 21,837	\$ 18,562
2000	Buildings	200200	WATERSHED ENTRANCE SIGNS	8/1/14	12	\$ 41,475	\$ 31,106	\$ 47,017	\$ 35,263
2000	Buildings	200201	TRAILHEAD KIOSK AND SIGN PROJECT	8/1/14	15	\$ 2,435	\$ 1,948	\$ 2,760	\$ 2,208
2000	Buildings	200202	ADMINISTRATION KITCHEN REMODEL	8/1/14	15	\$ 2,775	\$ 2,220	\$ 3,146	\$ 2,517
2000	Buildings	200203	MMWD SECURITY MANAGEMENT PROJECT	8/1/14	15	\$ 135,286	\$ 108,229	\$ 153,365	\$ 122,692
2000	Buildings	200204	CORTE MADERA OFFICE ADA IMPROVEMENTS	7/1/14	40	\$ 5,996	\$ 5,547	\$ 6,798	\$ 6,288
2000	Buildings	200205	LOBBY DOOR MODIFICATIONS	7/1/14	10	\$ 25,721	\$ 18,005	\$ 29,158	\$ 20,411
2000	Buildings	200206	PAVING CORPORATION YARD	7/1/14	15	\$ 114,492	\$ 91,594	\$ 129,792	\$ 103,834
2000	Buildings	200207	SKYOAKS HEADQUARTERS EXTERIOR PAINTING	7/1/14	10	\$ 37,263	\$ 26,084	\$ 42,243	\$ 29,570
2000	Buildings	200208	SKYOAKS ENERGY EFFICIENCY UPGRADES	7/1/14	10	\$ 4,411	\$ 3,088	\$ 5,000	\$ 3,500
2000	Buildings	200209	SKY OAKS GATEWAY-FACILITIES IMPROVEMENT	4/1/15	15	\$ 115,399	\$ 98,089	\$ 127,835	\$ 108,660
2000	Buildings	200210	SKY OAKS ROAD PAVING REPAIR	4/1/15	10	\$ 24,500	\$ 18,988	\$ 27,140	\$ 21,034
2000	Buildings	200211	SKY OAKS HEADQUARTERS PAVING REPAIR	4/1/15	10	\$ 182,498	\$ 141,436	\$ 202,165	\$ 156,678
2000	Buildings	200212	ADMIN BUILD PARKING LOT LIGHTING	4/1/15	15	\$ 91,358	\$ 77,655	\$ 101,203	\$ 86,023
2000	Buildings	200213	2015 ADMIN BUILD EMERGENCY RE-ROOFING	5/1/15	15	\$ 301,143	\$ 257,645	\$ 333,596	\$ 285,410
2000	Buildings	200214	WATERSHED KIOSKS PHASE II	5/1/15	15	\$ 9,849	\$ 8,427	\$ 10,911	\$ 9,335
2000	Buildings	200215	CORTE MADERA SLOUGH OUTFALL REINFORCEMENT	2/9/16	15	\$ 21,760	\$ 19,705	\$ 23,399	\$ 21,189
2000	Buildings	200216	ADMINISTRATION BUILDING REMODEL	6/30/16	40	\$ 229,208	\$ 222,997	\$ 246,463	\$ 239,788
2000 Buildings Total						\$ 23,435,208	\$ 10,625,715	\$ 53,704,916	\$ 15,529,512
3000	Dams & Reservoirs	300000	Reservoir Sensors Lakes	5/31/87	20	\$ 47,212	\$ -	\$ 119,117	\$ -
3000	Dams & Reservoirs	300001	Kent Lake Access Road	5/31/88	40	\$ 99,433	\$ 27,343	\$ 244,598	\$ 67,261
3000	Dams & Reservoirs	300002	Alpine Dam Tower Valves	4/1/96	33	\$ 187,508	\$ 66,764	\$ 370,893	\$ 132,060
3000	Dams & Reservoirs	300003	"Lake Aeration Replacements Phoenix, Kent, Alpine"	1/1/95	33	\$ 150,897	\$ 48,012	\$ 306,605	\$ 97,554
3000	Dams & Reservoirs	300004	Nicasio Lake Aerator Replacement	6/30/95	33	\$ 200,089	\$ 66,697	\$ 406,557	\$ 135,521
3000	Dams & Reservoirs	300005	Soulajule Dam	6/30/97	10	\$ 120,595	\$ -	\$ 230,104	\$ -
3000	Dams & Reservoirs	300006	Lagunitas Spillway Rehab	6/30/84	50	\$ 147,922	\$ 48,818	\$ 396,614	\$ 130,893
3000	Dams & Reservoirs	300007	Concrete Pipe	1/1/20	74	\$ 57,431	\$ -	\$ 2,543,534	\$ -
3000	Dams & Reservoirs	300008	Lagunitas Spillway Redeking	12/31/92	25	\$ 79,987	\$ 1,600	\$ 178,369	\$ 3,569
3000	Dams & Reservoirs	300009	Nicasio Lake Aerator Replacements	9/1/95	33	\$ 52,924	\$ 17,908	\$ 107,535	\$ 36,387
3000	Dams & Reservoirs	300010	Phoenix Spillway Design	12/31/82	99	\$ 56,569	\$ 37,038	\$ 164,404	\$ 107,643
3000	Dams & Reservoirs	300011	Lagunitas Spillway Concrete Lining	6/30/97	33	\$ 92,638	\$ 36,494	\$ 176,760	\$ 69,632
3000	Dams & Reservoirs	300012	Nicasio Dam Roadway Repair	6/30/97	33	\$ 99,345	\$ 39,137	\$ 189,557	\$ 74,676
3000	Dams & Reservoirs	300013	Lagunitas Spillway Repairs	6/30/85	40	\$ 30,218	\$ 6,047	\$ 80,075	\$ 16,024
3000	Dams & Reservoirs	300014	Soulajule Stream Release	6/30/96	25	\$ 63,973	\$ 10,235	\$ 126,539	\$ 20,245
3000	Dams & Reservoirs	300015	Kent Hydropower Installat	5/31/87	25	\$ 32,920	\$ -	\$ 83,068	\$ -
3000	Dams & Reservoirs	300016	C.M. Tunnel	1/1/73	99	\$ 78,618	\$ 43,618	\$ 461,188	\$ 255,869
3000	Dams & Reservoirs	300017	Alpine	2/1/42	99	\$ 1,443,927	\$ 367,902	\$ 58,156,880	\$ 14,817,948
3000	Dams & Reservoirs	300018	Kent	1/1/55	99	\$ 2,702,709	\$ 1,012,909	\$ 45,521,891	\$ 17,060,486
3000	Dams & Reservoirs	300019	Nicasio	1/1/63	99	\$ 3,535,879	\$ 1,608,024	\$ 43,625,212	\$ 19,839,584
3000	Dams & Reservoirs	300020	Kent Dam - Raised	6/30/82	99	\$ 10,018,470	\$ 6,425,738	\$ 29,116,214	\$ 18,674,824
3000	Dams & Reservoirs	300021	Soulajule Dam	1/1/79	99	\$ 10,772,854	\$ 6,622,875	\$ 39,878,645	\$ 24,516,369
3000	Dams & Reservoirs	300022	Ross Reservoir Seismic	1/1/01	10	\$ 25,850	\$ -	\$ 45,304	\$ -
3000	Dams & Reservoirs	300023	Terra Linda Reclaim	7/1/99	60	\$ 8,799	\$ 6,159	\$ 16,143	\$ 11,299
3000	Dams & Reservoirs	300024	Soulajule Dam	1/1/79	60	\$ 54,144	\$ 19,408	\$ 200,429	\$ 71,843
3000	Dams & Reservoirs	300025	Pine Mountain Tunnel	1/1/20	96	\$ 365,750	\$ 1,870	\$ 16,198,528	\$ 82,818

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
3000	Dams & Reservoirs	300025	PINE MOUNTAIN TUNNEL INTERIM REPAIRS	5/31/11	40	\$ 214,368	\$ 181,350	\$ 262,735	\$ 222,268
3000	Dams & Reservoirs	300026	Phoenix	1/1/70	99	\$ 193,274	\$ 101,420	\$ 1,555,768	\$ 816,388
3000	Dams & Reservoirs	300027	Alpine Seismic Investigat	5/31/87	40	\$ 213,850	\$ 53,464	\$ 539,548	\$ 134,891
3000	Dams & Reservoirs	300028	Eir-Raising Kent	1/1/80	75	\$ 368,744	\$ 184,368	\$ 1,266,331	\$ 633,150
3000	Dams & Reservoirs	300029	Soulajule Job Closed 6/81	6/30/81	99	\$ 600,749	\$ 373,581	\$ 1,889,159	\$ 1,174,790
3000	Dams & Reservoirs	300030	Soulajule Dam	1/1/79	99	\$ 621,016	\$ 359,037	\$ 2,298,859	\$ 1,329,071
3000	Dams & Reservoirs	300031	Kent	3/31/83	99	\$ 964,239	\$ 633,632	\$ 2,636,224	\$ 1,732,346
3000	Dams & Reservoirs	300032	Phoenix Spillway Rehab	8/31/86	50	\$ 729,114	\$ 277,066	\$ 1,887,110	\$ 717,107
3000	Dams & Reservoirs	300033	Bon Tempe	1/1/49	99	\$ 562,212	\$ 176,975	\$ 13,102,274	\$ 4,124,379
3000	Dams & Reservoirs	300034	Lagunitas	1/1/22	99	\$ 11,369	\$ 488	\$ 726,337	\$ 31,146
3000	Dams & Reservoirs	300035	Nicasio Scouring Val/Repl	6/30/85	25	\$ 3,938	\$ -	\$ 10,435	\$ -
3000	Dams & Reservoirs	300036	Cataract Pipe	1/1/20	73	\$ 3,417	\$ -	\$ 151,334	\$ -
3000	Dams & Reservoirs	300037	Nicasio Spillway Riprap Repair	1/1/96	33	\$ 23,614	\$ 8,229	\$ 46,709	\$ 16,276
3000	Dams & Reservoirs	300038	Alpine Dam Stream Gauge	6/30/85	40	\$ 10,431	\$ 2,085	\$ 27,641	\$ 5,524
3000	Dams & Reservoirs	300039	Bon Tempe Log Boom Replacement	6/30/97	25	\$ 26,614	\$ 5,322	\$ 50,781	\$ 10,155
3000	Dams & Reservoirs	300040	Eldridge Grade Slide Evaluation Above Phoenix Lake	6/30/97	25	\$ 27,084	\$ 5,417	\$ 51,678	\$ 10,336
3000	Dams & Reservoirs	300041	Kent Lk Hi Level Outlet	5/31/86	25	\$ 7,785	\$ -	\$ 20,149	\$ -
3000	Dams & Reservoirs	300042	Kent Project Settlement	6/30/84	99	\$ 25,632	\$ 17,169	\$ 68,726	\$ 46,033
3000	Dams & Reservoirs	300043	Kent Project General	6/30/84	99	\$ 14,452	\$ 9,706	\$ 38,749	\$ 26,023
3000	Dams & Reservoirs	300044	Kent Lake Stream Rl	1/1/00	33	\$ 3,596	\$ 1,690	\$ 6,426	\$ 3,019
3000	Dams & Reservoirs	300045	Prep Of Plans And Specifications	3/31/98	25	\$ 2,155	\$ 496	\$ 4,047	\$ 931
3000	Dams & Reservoirs	300046	Soulajule Dam	1/1/80	99	\$ 2,025	\$ 1,279	\$ 6,954	\$ 4,391
3000	Dams & Reservoirs	300047	Soulajule Lake Log Boom	6/30/96	25	\$ 8,323	\$ 1,331	\$ 16,463	\$ 2,633
3000	Dams & Reservoirs	300048	Catholic Protection Other Facilities	4/1/96	40	\$ 12,750	\$ 5,976	\$ 25,220	\$ 11,821
3000	Dams & Reservoirs	300049	Chapman Reservoirs	1/1/74	99	\$ 7,132	\$ 4,034	\$ 39,249	\$ 22,199
3000	Dams & Reservoirs	300050	Lake Aerator Replacement	6/30/96	33	\$ 14,500	\$ 5,273	\$ 28,681	\$ 10,430
3000	Dams & Reservoirs	300051	Catholic Protection Other Structures	6/30/95	40	\$ 15,309	\$ 6,888	\$ 31,106	\$ 13,996
3000	Dams & Reservoirs	300052	Lagunitas Lk Drainage Adi	6/30/84	40	\$ 15,947	\$ 2,788	\$ 42,758	\$ 7,476
3000	Dams & Reservoirs	300053	Bon Tempe Inlet Supplylin	1/31/85	75	\$ 32,266	\$ 18,286	\$ 85,502	\$ 48,456
3000	Dams & Reservoirs	300053	BON TEMPE LAKE INTAKE PIPING EXTENSION	6/30/06	75	\$ 128,870	\$ 108,251	\$ 184,825	\$ 155,253
3000	Dams & Reservoirs	300054	Kent Dam Enlargement	2/28/90	75	\$ 47,234	\$ 29,914	\$ 110,962	\$ 70,275
3000	Dams & Reservoirs	300055	Kent Lake Debris Boom	10/31/84	40	\$ 18,636	\$ 3,494	\$ 49,968	\$ 9,367
3000	Dams & Reservoirs	300056	Reservoir Level Sensors	5/31/88	20	\$ 12,087	\$ -	\$ 29,733	\$ -
3000	Dams & Reservoirs	300057	Phoenix Lake Aerator Replacement	6/30/97	33	\$ 64,837	\$ 25,542	\$ 123,714	\$ 48,736
3000	Dams & Reservoirs	300058	Alpine Dam-New Pipe Boom	11/30/81	20	\$ 8,286	\$ -	\$ 26,057	\$ -
3000	Dams & Reservoirs	300059	Eir-Raising Kent	1/1/78	75	\$ 28,470	\$ 13,469	\$ 114,007	\$ 53,938
3000	Dams & Reservoirs	300060	Lake Aerator Replacements	6/30/97	33	\$ 55,742	\$ 21,960	\$ 106,360	\$ 41,900
3000	Dams & Reservoirs	300061	Lagunitas Spillway Design	9/30/82	99	\$ 23,794	\$ 15,580	\$ 69,151	\$ 45,279
3000	Dams & Reservoirs	300062	Soulajule Plunge Pool	10/31/84	50	\$ 14,086	\$ 4,927	\$ 37,768	\$ 13,212
3000	Dams & Reservoirs	300063	1980/81 Cap'Lzed Soul 76B	6/30/81	99	\$ 23,359	\$ 14,941	\$ 73,456	\$ 46,983
3000	Dams & Reservoirs	300064	Nicasio Lake Silt Monitoring Program	6/30/97	25	\$ 35,340	\$ 7,067	\$ 67,431	\$ 13,485
3000	Dams & Reservoirs	300065	Kent Lake Piezometer	5/31/87	20	\$ 9,564	\$ -	\$ 24,130	\$ -
3000	Dams & Reservoirs	300066	Nicasio Outlet Works	1/31/91	40	\$ 25,669	\$ 8,716	\$ 59,010	\$ 20,040
3000	Dams & Reservoirs	300067	Geotechnical Evaluation Rpt	3/31/98	25	\$ 49,664	\$ 11,422	\$ 93,258	\$ 21,448
3000	Dams & Reservoirs	300068	Kent Lk Spillway Guardrail	1/1/84	20	\$ 7,038	\$ -	\$ 18,871	\$ -
3000	Dams & Reservoirs	300290	LAKE LAGUNITAS LOG BOOM	5/1/02	20	\$ 9,522	\$ 1,904	\$ 16,190	\$ 3,238
3000	Dams & Reservoirs	300295	KENT LAKE AERATOR LIFTING FRAME	12/1/01	20	\$ 58,202	\$ 11,640	\$ 102,001	\$ 20,400
3000	Dams & Reservoirs	300297	ADA WATERSHED GATE ACCESS	12/1/01	20	\$ 12,516	\$ 2,660	\$ 21,935	\$ 4,661
3000	Dams & Reservoirs	300299	KENT LAKE PUMP BARGE MODIFICATIONS	12/1/01	20	\$ 11,079	\$ 2,216	\$ 19,417	\$ 3,883
3000	Dams & Reservoirs	300317	BON TEMPE LAKE OUTLET SYSTEM REPAIR	12/31/05	0	\$ 170,664	\$ 150,184	\$ 254,790	\$ 224,216
3000	Dams & Reservoirs	300339	KENT LAKE STREAM RELEASE VALVE REPLS	1/31/09	35	\$ 21,804	\$ 16,198	\$ 28,283	\$ 21,010

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
3000	Dams & Reservoirs	300353	SOU LAJULE SPILLWAY /OUTFALL REPAIR PJCT	5/31/11	30	\$ 180,196	\$ 143,159	\$ 220,852	\$ 175,459
3000	Dams & Reservoirs	300364	KENT LAKE AERATOR REPAIR	10/28/13	33	\$ 185,705	\$ 164,603	\$ 216,233	\$ 191,661
3000	Dams & Reservoirs	300368	ASBESTOS REMOVAL AT SOULAJULE	4/1/14	5	\$ 60,833	\$ 21,292	\$ 68,962	\$ 24,137
3000	Dams & Reservoirs	300371	ALPINE DAM PIEZOMETER #3 REMOTE READOUT	5/21/14	5	\$ 11,351	\$ 4,162	\$ 12,868	\$ 4,718
3000	Dams & Reservoirs	300377	ALPINE DAM OUTLET WORKS IMPROVEMENT PROJECT	10/1/14	25	\$ 247,299	\$ 220,096	\$ 280,347	\$ 249,509
3000	Dams & Reservoirs	300381	BON TEMPE OUTLET WORKS PROJECT	7/1/14	0	\$ 19,058	\$ 18,486	\$ 21,605	\$ 20,957
3000	Dams & Reservoirs	300384	PETERS DAM PIEZOMETER #8 REPLACEMENT	7/1/14	6	\$ 117	\$ 58	\$ 132	\$ 66
3000	Dams & Reservoirs	300384	LAGUNITAS DAM LEAK REPAIR PROJECT	7/1/14	40	\$ 44,725	\$ 41,371	\$ 50,702	\$ 46,899
3000	Dams & Reservoirs	300385	SOU LAJULE METER REPLACEMENT	7/1/14	20	\$ 18,682	\$ 15,879	\$ 21,178	\$ 18,001
3000	Dams & Reservoirs	300389	PINE MOUNTAIN TUNNEL REPAIR	7/1/14	40	\$ 1,511,542	\$ 1,404,965	\$ 1,713,537	\$ 1,592,717
3000	Dams & Reservoirs	300393	FORBES HILL RESERVOIR COVER&LINER REPL	3/1/15	75	\$ 382,100	\$ 379,857	\$ 423,277	\$ 420,793
3000	Dams & Reservoirs	300393	FORBES HILL RESERVOIR-PIPING	3/1/15	0	\$ 76,420	\$ 74,613	\$ 84,655	\$ 82,653
3000	Dams & Reservoirs	300393	FORBES HILL RESERVOIR-LINER	3/1/15	40	\$ 802,410	\$ 758,602	\$ 888,881	\$ 840,352
3000	Dams & Reservoirs	300393	FORBES HILL RESERVOIR-ROOF	3/1/15	50	\$ 2,560,069	\$ 2,446,418	\$ 2,835,954	\$ 2,710,055
3000	Dams & Reservoirs	300396	ALPINE DAM INTAKE TOWER VALVE REPLACEMENT	4/1/15	35	\$ 15,255	\$ 26,316	\$ 16,899	\$ 29,152
3000	Dams & Reservoirs	300398	LAKE LAGUNITAS LOG BOOM REPLACEMENT	4/1/15	20	\$ 27,095	\$ 24,047	\$ 30,015	\$ 26,638
3000	Dams & Reservoirs	300403	EVAPORATION STATION AT SKYOAK & SEEGER	2/9/16	15	\$ 59,418	\$ 53,806	\$ 63,892	\$ 57,858
3000	Dams & Reservoirs	300407	PHOENIX DAM PIEZOMETER INSTALLATION	7/1/15	5	\$ 5,000	\$ 3,000	\$ 5,539	\$ 3,323
3000 Dams & Reservoirs Total						\$ 42,306,303	\$ 25,202,755	\$ 274,448,559	\$ 114,690,013
3100	Storage Tanks	300069	Old Quarry Subdivision	2/28/89	60	\$ 96,925	\$ 50,887	\$ 233,469	\$ 122,575
3100	Storage Tanks	300072	Greenbrae	1/1/56	60	\$ 27,232	\$ -	\$ 437,460	\$ -
3100	Storage Tanks	300072	2010-11 FFMP SEISMIC TANK RETROFIT PJCT	10/31/11	60	\$ 223,027	\$ 200,766	\$ 273,347	\$ 246,064
3100	Storage Tanks	300076	Redwood Tank Lining Project	6/30/97	60	\$ 260,383	\$ 173,588	\$ 496,829	\$ 331,219
3100	Storage Tanks	300077	BUCKEYE CIRCLE	6/30/84	60	\$ 62,397	\$ 27,558	\$ 167,301	\$ 73,889
3100	Storage Tanks	300078	Tank Coating Maintenance	6/1/95	60	\$ 182,903	\$ 115,585	\$ 371,637	\$ 234,855
3100	Storage Tanks	300080	H LINE ROAD	6/30/99	60	\$ 567,922	\$ 397,546	\$ 1,041,963	\$ 729,376
3100	Storage Tanks	300083	Chula Vista	1/1/69	60	\$ 50,048	\$ 9,596	\$ 438,420	\$ 84,060
3100	Storage Tanks	300084	Redwood Tank Reroofing	5/31/89	15	\$ 35,375	\$ -	\$ 85,210	\$ -
3100	Storage Tanks	300085	Tank Recoating - Steel	6/30/96	60	\$ 344,979	\$ 224,236	\$ 682,372	\$ 443,540
3100	Storage Tanks	300086	MANZANITA AVENUE	6/30/97	60	\$ 432,444	\$ 288,297	\$ 825,134	\$ 550,090
3100	Storage Tanks	300086	MANZANITA AVENUE TANK WALL STABILIZATION	5/31/09	40	\$ 230,653	\$ 183,561	\$ 299,187	\$ 238,103
3100	Storage Tanks	300087	Steel Storage Tank Coating	6/30/95	60	\$ 306,612	\$ 194,188	\$ 622,999	\$ 394,566
3100	Storage Tanks	300089	COUNTRYVIEW DRIVE	1/1/72	60	\$ 54,259	\$ 13,119	\$ 344,076	\$ 83,192
3100	Storage Tanks	300091	Marinwood	1/1/56	60	\$ 30,135	\$ -	\$ 484,094	\$ -
3100	Storage Tanks	300092	Lattie Lane	1/1/68	60	\$ 40,944	\$ 7,176	\$ 394,070	\$ 69,062
3100	Storage Tanks	300093	INVERNESS DRIVE	6/30/97	60	\$ 383,609	\$ 255,740	\$ 731,953	\$ 487,971
3100	Storage Tanks	300094	Marin Professional Cntr	1/1/65	60	\$ 43,005	\$ 5,368	\$ 492,339	\$ 61,455
3100	Storage Tanks	300095	LONE TREE AVENUE TANK PJCT	6/30/97	60	\$ 393,528	\$ 262,352	\$ 750,879	\$ 500,587
3100	Storage Tanks	300096	FAIRHILLS TOP #1	10/31/84	60	\$ 63,057	\$ 28,901	\$ 169,071	\$ 77,490
3100	Storage Tanks	300098	Alto Tank	6/30/91	35	\$ 39,746	\$ 10,219	\$ 91,382	\$ 23,496
3100	Storage Tanks	300099	WINSHIP PARK	12/31/80	60	\$ 32,171	\$ 12,124	\$ 110,481	\$ 41,636
3100	Storage Tanks	300101	Miller Creek	1/1/67	60	\$ 20,808	\$ 3,289	\$ 215,373	\$ 34,045
3100	Storage Tanks	300101	MILLER CREEK TANK SITE PAVING	12/31/09	15	\$ 4,500	\$ 2,100	\$ 5,837	\$ 2,724
3100	Storage Tanks	300103	San Quentin Tank	7/1/96	60	\$ 129,452	\$ 84,144	\$ 256,057	\$ 166,437
3100	Storage Tanks	300105	SCENIC AVENUE, SAN ANSELMO	3/31/82	60	\$ 29,380	\$ 11,982	\$ 85,366	\$ 34,824
3100	Storage Tanks	300106	Tank Security/Safety	5/31/88	10	\$ 9,919	\$ -	\$ 24,400	\$ -
3100	Storage Tanks	300107	Lucas Valley Tank And Pump Station	7/1/97	60	\$ 149,465	\$ 99,644	\$ 285,190	\$ 190,127
3100	Storage Tanks	300110	HIND TANK #1	1/1/78	60	\$ 34,311	\$ 11,720	\$ 137,398	\$ 46,934
3100	Storage Tanks	300114	Las Cresta Asses District	6/30/85	60	\$ 59,033	\$ 27,548	\$ 156,433	\$ 73,000
3100	Storage Tanks	300115	Catholic Protection Tanks	5/31/88	15	\$ 19,259	\$ -	\$ 47,376	\$ -
3100	Storage Tanks	300118	Hind #2	1/1/58	60	\$ 19,082	\$ 161	\$ 279,478	\$ 2,351

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
3100	Storage Tanks	300119	Tank Security/Safety	5/31/86	15	\$ 13,928	\$ -	\$ 36,049	\$ -
3100	Storage Tanks	300120	SUMMIT AVENUE UPPER	6/30/75	60	\$ 32,119	\$ 9,641	\$ 161,414	\$ 48,450
3100	Storage Tanks	300124	Puerto Suello	1/1/58	60	\$ 108,200	\$ 913	\$ 1,584,712	\$ 13,368
3100	Storage Tanks	300125	Alto Tank #2	5/31/88	60	\$ 369,341	\$ 190,825	\$ 908,553	\$ 469,416
3100	Storage Tanks	300126	ALTA AVENUE	6/30/96	60	\$ 963,835	\$ 626,492	\$ 1,906,476	\$ 1,239,208
3100	Storage Tanks	300127	Recoat 6 Steel Tanks	11/30/86	15	\$ 85,172	\$ -	\$ 220,444	\$ -
3100	Storage Tanks	300128	Oak Manor Top Tank Rplcmn	5/31/89	60	\$ 487,641	\$ 260,076	\$ 1,174,609	\$ 626,461
3100	Storage Tanks	300129	Slide Gulch	1/1/27	60	\$ 109,790	\$ -	\$ 5,924,620	\$ -
3100	Storage Tanks	300130	CREEKSIDE DRIVE	6/30/90	60	\$ 416,870	\$ 229,278	\$ 979,311	\$ 538,619
3100	Storage Tanks	300131	Elinor Tank	10/1/75	60	\$ 156,846	\$ 49,669	\$ 788,231	\$ 249,614
3100	Storage Tanks	300132	2014 LOS RANCHITOS TANK RECOATING PROJ	8/1/14	25	\$ 603,420	\$ 533,021	\$ 684,058	\$ 604,251
3100	Storage Tanks	300133	Glenwood	1/1/58	60	\$ 94,129	\$ 777	\$ 1,378,626	\$ 11,378
3100	Storage Tanks	300134	ALTO #1	1/1/58	60	\$ 116,028	\$ 16,432	\$ 1,265,766	\$ 179,261
3100	Storage Tanks	300136	ALTO #1	1/1/58	60	\$ 104,540	\$ 883	\$ 1,531,107	\$ 12,928
3100	Storage Tanks	300137	Hawthorne Hills Upper Tnk	5/31/86	15	\$ 112,496	\$ -	\$ 291,165	\$ 850,803
3100	Storage Tanks	300138	Peacock Gap Tank	5/31/87	60	\$ 674,428	\$ 337,216	\$ 1,701,594	\$ -
3100	Storage Tanks	300139	Terra Linda Reclaimed Pipe	7/1/93	15	\$ 295,134	\$ -	\$ 629,719	\$ -
3100	Storage Tanks	300140	Paradise Dr Tank	9/1/76	60	\$ 398,360	\$ 127,440	\$ 1,844,372	\$ 590,035
3100	Storage Tanks	300141	Recoating Alto Tank 2	2/28/90	15	\$ 265,870	\$ -	\$ 624,582	\$ -
3100	Storage Tanks	300142	Alto Tank 2 Phase 2 & 3	2/28/90	60	\$ 1,491,272	\$ 807,762	\$ 3,503,298	\$ 1,897,594
3100	Storage Tanks	300143	Pacheco Tanks	9/1/96	60	\$ 4,583,340	\$ 2,991,903	\$ 9,065,895	\$ 5,918,016
3100	Storage Tanks	300144	Forbes Reservoir Lining	3/31/87	60	\$ 285,997	\$ 140,672	\$ 721,576	\$ 354,918
3100	Storage Tanks	300145	Lucas Valley	1/1/58	60	\$ 156,777	\$ 1,304	\$ 2,296,178	\$ 19,096
3100	Storage Tanks	300146	LUCAS VALLEY TANK FENCING	4/30/06	15	\$ 5,365	\$ 1,133	\$ 7,694	\$ 1,624
3100	Storage Tanks	300147	Terra Linda Reclaimed Tank Fab	6/30/94	30	\$ 491,272	\$ 114,630	\$ 1,009,835	\$ 235,628
3100	Storage Tanks	300148	Terra Linda Reclaimed Tank	7/1/93	30	\$ 431,715	\$ 81,528	\$ 921,137	\$ 173,954
3100	Storage Tanks	300149	Canon Village Tank	1/1/78	60	\$ 328,482	\$ 112,226	\$ 1,315,398	\$ 449,405
3100	Storage Tanks	300149	Mill Valley	1/1/69	60	\$ 257,005	\$ 49,269	\$ 2,251,360	\$ 431,598
3100	Storage Tanks	300150	2010-11 FFMP SEISMIC TANK RETROFIT PJCT	10/31/11	60	\$ 4,636	\$ 4,181	\$ 5,682	\$ 5,124
3100	Storage Tanks	300150	Bret Harte	1/1/37	60	\$ 143,668	\$ -	\$ 6,796,059	\$ -
3100	Storage Tanks	300151	San Clemente	1/1/58	60	\$ 85,098	\$ 720	\$ 1,246,357	\$ 10,548
3100	Storage Tanks	300151	SAN CLEMENTE TANK FENCING	4/30/06	15	\$ 5,715	\$ 1,207	\$ 8,196	\$ 1,730
3100	Storage Tanks	300151	2010-11 FFMP SEISMIC TANK RETROFIT PJCT	10/31/11	60	\$ 56,822	\$ 51,144	\$ 69,642	\$ 62,684
3100	Storage Tanks	300153	Recoating Steel Tanks	12/31/92	30	\$ 147,188	\$ 26,985	\$ 328,225	\$ 60,175
3100	Storage Tanks	300154	Hawth Hills Tank Alt Vlv	6/30/85	15	\$ 41,937	\$ -	\$ 111,130	\$ -
3100	Storage Tanks	300155	Santa Margarita	1/1/56	60	\$ 55,445	\$ -	\$ 890,679	\$ -
3100	Storage Tanks	300155	SANTA MARGARITA TANK FENCING	4/30/06	15	\$ 5,715	\$ 1,207	\$ 8,196	\$ 1,730
3100	Storage Tanks	300155	2010-11 FFMP SEISMIC TANK RETROFIT PJCT	10/31/11	60	\$ 34,835	\$ 31,354	\$ 42,695	\$ 38,428
3100	Storage Tanks	300156	Marin Bay Park - S.R.	2/29/88	60	\$ 186,956	\$ 95,036	\$ 459,899	\$ 233,782
3100	Storage Tanks	300157	Hill Haven Tank Rplcmnt	2/28/88	60	\$ 188,225	\$ 95,681	\$ 463,020	\$ 235,368
3100	Storage Tanks	300158	Vernal Ave / Marin Terrace Tank	6/30/98	60	\$ 795,474	\$ 543,574	\$ 1,493,720	\$ 1,020,708
3100	Storage Tanks	300158	Vernal Ave / Marin Terrace Tank	8/1/14	60	\$ 1,307	\$ 1,241	\$ 1,481	\$ 1,407
3100	Storage Tanks	300159	MT. TIBURON	1/1/69	60	\$ 67,253	\$ 12,887	\$ 589,135	\$ 112,889
3100	Storage Tanks	300159	MT. TIBURON TANK #1 RECOATING	6/30/09	60	\$ 330,467	\$ 285,947	\$ 428,659	\$ 370,911
3100	Storage Tanks	300161	Loch Lomond	1/1/56	60	\$ 49,042	\$ -	\$ 787,820	\$ -
3100	Storage Tanks	300161	LOCH LOMOND TANK FENCING	4/30/06	15	\$ 5,715	\$ 1,207	\$ 8,196	\$ 1,730
3100	Storage Tanks	300162	Redwood Tank Roof Repair	6/30/92	15	\$ 63,527	\$ -	\$ 141,664	\$ -
3100	Storage Tanks	300163	TERRA LINDA #1	1/1/68	60	\$ 68,372	\$ 11,954	\$ 658,054	\$ 115,048
3100	Storage Tanks	300163	TERRA LINDA TANK SECURITY FENCE	12/31/09	15	\$ 16,093	\$ 7,510	\$ 20,875	\$ 9,741
3100	Storage Tanks	300165	SPRING LANE #1	1/1/27	60	\$ 42,593	\$ -	\$ 2,298,455	\$ -
3100	Storage Tanks	300165	SPRING LANE TANK #1 ROOF RETROFIT & RECOATING	5/31/09	25	\$ 1,702,186	\$ 1,146,114	\$ 2,207,959	\$ 1,486,662

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
3100	Storage Tanks	300166	Forbes Reservoir Seismic Imps	6/30/98	10	\$ 181,781	\$ -	\$ 341,344	\$ -
3100	Storage Tanks	300167	Fawn Drive Tank	6/30/85	30	\$ 210,569	\$ 98,269	\$ 557,991	\$ 260,406
3100	Storage Tanks	300167	ELDA DRIVE TANK SEISMIC PROJ/FAWN DRIVE TANK TK068	3/1/14	30	\$ 461,671	\$ 410,403	\$ 523,367	\$ 465,247
3100	Storage Tanks	300168	Ross Reservoir	1/1/22	60	\$ 57,378	\$ -	\$ 3,665,735	\$ -
3100	Storage Tanks	300169	"Ring Mountain, Tiburon"	8/30/90	75	\$ 409,707	\$ 263,123	\$ 962,484	\$ 618,128
3100	Storage Tanks	300170	Tennessee Valley Tank	1/1/72	60	\$ 122,170	\$ 29,528	\$ 774,725	\$ 187,250
3100	Storage Tanks	300171	Escalle - Larkspur	1/1/72	60	\$ 125,387	\$ 30,298	\$ 795,125	\$ 192,128
3100	Storage Tanks	300172	Mine Ridge Tanks	6/30/96	60	\$ 585,052	\$ 380,284	\$ 1,157,239	\$ 752,206
3100	Storage Tanks	300173	MESA VISTA #1	1/1/67	60	\$ 74,175	\$ 11,751	\$ 767,747	\$ 121,629
3100	Storage Tanks	300173	MESA VISTA TANK COATING	4/30/07	25	\$ 335,620	\$ 198,016	\$ 468,351	\$ 276,327
3100	Storage Tanks	300174	Painting	6/30/83	15	\$ 44,944	\$ -	\$ 122,877	\$ -
3100	Storage Tanks	300175	Recoat Smith Sddl Tank #2	10/31/84	15	\$ 45,479	\$ -	\$ 121,940	\$ -
3100	Storage Tanks	300176	Recoating Steel Tanks	1/31/94	30	\$ 187,491	\$ 41,144	\$ 385,397	\$ 84,573
3100	Storage Tanks	300177	Rpntng Smith Saddle Tank	6/30/84	15	\$ 46,565	\$ -	\$ 124,852	\$ -
3100	Storage Tanks	300178	Indian Fire Trail	1/1/68	60	\$ 86,238	\$ 15,099	\$ 830,007	\$ 145,324
3100	Storage Tanks	300179	Tank Recoating - Fairfax Grade	1/24/97	60	\$ 127,157	\$ 83,889	\$ 242,625	\$ 160,065
3100	Storage Tanks	300180	Other 1981/82	12/31/81	60	\$ 5,915	\$ 2,411	\$ 18,601	\$ 7,581
3100	Storage Tanks	300181	Install Liners/Redw	1/1/01	60	\$ 256,165	\$ 185,750	\$ 448,942	\$ 325,535
3100	Storage Tanks	300182	SPRING LANE #1	7/1/99	60	\$ 128,281	\$ 89,872	\$ 235,356	\$ 164,887
3100	Storage Tanks	300185	Santa Margarita Tank - Floor Patching	6/30/96	60	\$ 25,824	\$ 16,786	\$ 51,080	\$ 33,202
3100	Storage Tanks	300187	MARIN PROFESSIONAL CENTER	5/31/86	15	\$ 2,269	\$ -	\$ 5,873	\$ -
3100	Storage Tanks	300187	MANZANITA- CAPITAL INTEREST	6/30/98	60	\$ 24,722	\$ 16,894	\$ 46,422	\$ 31,722
3100	Storage Tanks	300188	Soulajule Tumaround	7/1/98	15	\$ 6,633	\$ -	\$ 12,456	\$ -
3100	Storage Tanks	300189	FORBS HILL RESERVOIR SEISMIC	7/1/98	10	\$ 45,481	\$ -	\$ 85,403	\$ 16,866
3100	Storage Tanks	300190	Screening Tank Overflows	8/1/94	60	\$ 13,275	\$ 8,205	\$ 27,287	\$ 41,893
3100	Storage Tanks	300191	Vernal Ave / Marin Terr Tank - Cap. Int.	6/30/98	60	\$ 32,648	\$ 22,310	\$ 61,306	\$ -
3100	Storage Tanks	300192	Mission Avenue	1/1/55	60	\$ 2,184	\$ -	\$ 36,785	\$ -
3100	Storage Tanks	300194	Pacheco Ridge Tanks - Capitalized Interest	9/1/96	60	\$ 35,125	\$ 22,811	\$ 69,478	\$ 45,121
3100	Storage Tanks	300195	LONE TREE AVENUE TANK PJCT	3/31/98	60	\$ 55,769	\$ 37,877	\$ 104,722	\$ 71,125
3100	Storage Tanks	300196	Cloudview	1/1/65	60	\$ 5,144	\$ 635	\$ 58,891	\$ 7,273
3100	Storage Tanks	300196	CLOUDVIEW TANK PAVING	12/31/09	15	\$ 6,865	\$ 3,204	\$ 8,905	\$ 4,156
3100	Storage Tanks	300197	Upper Road - Ross	2/29/88	60	\$ 14,264	\$ 7,249	\$ 35,088	\$ 17,833
3100	Storage Tanks	300199	Skyview Park	1/1/69	60	\$ 6,322	\$ 1,220	\$ 55,381	\$ 10,688
3100	Storage Tanks	300200	Cap Int Alto Tank 2 88/89	9/30/89	60	\$ 14,645	\$ 7,811	\$ 35,276	\$ 18,814
3100	Storage Tanks	300201	MANZANITA	3/31/98	60	\$ 43,123	\$ 29,287	\$ 80,975	\$ 54,995
3100	Storage Tanks	300202	H LINE ROAD	6/30/98	60	\$ 46,765	\$ 31,956	\$ 87,814	\$ 60,007
3100	Storage Tanks	300205	Catholic Protection Existing Steel Tanks	6/30/95	60	\$ 27,275	\$ 17,274	\$ 55,420	\$ 35,098
3100	Storage Tanks	300206	Greenbrae Tank	1/1/73	60	\$ 5,972	\$ 1,534	\$ 35,033	\$ 8,996
3100	Storage Tanks	300207	Strawberry	1/1/72	60	\$ 2,386	\$ 572	\$ 15,131	\$ 3,625
3100	Storage Tanks	300208	Tank Scour Line Imp	1/1/01	60	\$ 28,074	\$ 20,356	\$ 49,200	\$ 35,676
3100	Storage Tanks	300209	ALTA AVENUE	8/31/98	60	\$ 4,416	\$ 2,998	\$ 8,292	\$ 5,630
3100	Storage Tanks	300210	Tank Overflow Screening	3/1/94	60	\$ 2,187	\$ 1,352	\$ 4,495	\$ 2,779
3100	Storage Tanks	300211	Replace Mine Ridge Tanks	9/1/96	60	\$ 3,187	\$ 2,080	\$ 6,304	\$ 4,114
3100	Storage Tanks	300212	Tank Retrofit	8/1/94	60	\$ 2,399	\$ 1,482	\$ 4,931	\$ 3,047
3100	Storage Tanks	300213	Lucas Valley Tank & Pump Stn	4/30/98	60	\$ 2,211	\$ 1,340	\$ 4,152	\$ 2,517
3100	Storage Tanks	300215	Stream Gage-San Antonio	6/30/76	40	\$ 3,400	\$ -	\$ 15,742	\$ -
3100	Storage Tanks	300216	Tank Recoating Pjct	7/1/00	60	\$ 2,104	\$ 1,508	\$ 3,759	\$ 2,694
3100	Storage Tanks	300217	H LINE ROAD	7/1/00	60	\$ 3,270	\$ 2,344	\$ 5,843	\$ 4,189
3100	Storage Tanks	300218	Hawthorne Hills Tank	7/1/00	60	\$ 3,403	\$ 2,439	\$ 6,081	\$ 4,358
3100	Storage Tanks	300219	MANZANITA	4/30/98	60	\$ 2,410	\$ 1,640	\$ 4,525	\$ 3,080
3100	Storage Tanks	300220	Pacheco Tanks	3/31/98	60	\$ 2,348	\$ 1,571	\$ 4,409	\$ 2,950

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
3100	Storage Tanks	300221	Tank Recoating Project	3/31/98	60	\$ 5,328	\$ 3,618	\$ 10,005	\$ 6,794
3100	Storage Tanks	300222	Lucas Valley Tank & Pump Stn	6/30/98	60	\$ 15,107	\$ 10,323	\$ 28,368	\$ 19,383
3100	Storage Tanks	300223	Bontempo Washwater	1/1/00	60	\$ 104,562	\$ 74,072	\$ 186,843	\$ 132,360
3100	Storage Tanks	300224	Catholic Protection Steel Tanks	10/1/94	60	\$ 8,529	\$ 5,296	\$ 17,532	\$ 10,885
3100	Storage Tanks	300225	Greenwood Way Tank	1/1/74	60	\$ 2,282	\$ 629	\$ 12,558	\$ 3,459
3100	Storage Tanks	300226	Tank Coating Warrant	7/1/00	20	\$ 22,841	\$ 3,465	\$ 40,816	\$ 6,192
3100	Storage Tanks	300227	INVERNESS DRIVE - CAPITALIZED INTEREST	6/30/97	60	\$ 17,160	\$ 11,440	\$ 32,742	\$ 21,828
3100	Storage Tanks	300228	H LINE ROAD	1/1/00	60	\$ 86,280	\$ 61,121	\$ 154,175	\$ 109,218
3100	Storage Tanks	300229	Marinship Tank Replacement	7/1/94	60	\$ 2,822	\$ 1,741	\$ 5,801	\$ 3,578
3100	Storage Tanks	300230	INVERNESS DRIVE	3/31/98	60	\$ 7,529	\$ 5,114	\$ 14,138	\$ 9,604
3100	Storage Tanks	300231	Lucas Valley Tank & Pump Stn - Cap. Int.	6/30/98	60	\$ 8,481	\$ 5,795	\$ 15,925	\$ 10,882
3100	Storage Tanks	300232	Lucas Valley Tank & Pumps	3/31/98	60	\$ 9,615	\$ 6,530	\$ 18,055	\$ 12,262
3100	Storage Tanks	300233	Santa Margarita Tank Mod. Floor Repair	6/30/96	60	\$ 6,878	\$ 4,470	\$ 13,605	\$ 8,842
3100	Storage Tanks	300234	Tank Coating Warrant	1/1/00	20	\$ 27,844	\$ 3,487	\$ 49,754	\$ 6,230
3100	Storage Tanks	300235	C.P. Existing Steel Tanks	8/1/96	60	\$ 82,804	\$ 53,938	\$ 163,787	\$ 106,690
3100	Storage Tanks	300237	Tank Recoating Projects	7/1/98	60	\$ 139,575	\$ 95,383	\$ 262,091	\$ 179,108
3100	Storage Tanks	300238	Camino Alto - Dist Main	6/30/83	75	\$ 27,052	\$ 14,155	\$ 73,960	\$ 38,700
3100	Storage Tanks	300239	Catholic Protect Tanks	7/1/98	60	\$ 146,078	\$ 99,826	\$ 274,302	\$ 187,451
3100	Storage Tanks	300240	Cath Prot @ Mmwd/S. Marg	6/30/83	15	\$ 7,307	\$ -	\$ 19,977	\$ -
3100	Storage Tanks	300241	Ring Wall Roundation	3/31/94	40	\$ 36,719	\$ 15,376	\$ 75,478	\$ 31,607
3100	Storage Tanks	300242	Vernal Av/Marin Terr Tank	1/1/99	60	\$ 139,951	\$ 96,815	\$ 256,768	\$ 177,626
3100	Storage Tanks	300243	ALTA AVENUE	10/1/96	60	\$ 76,276	\$ 49,806	\$ 150,875	\$ 98,516
3100	Storage Tanks	300245	C.P. Steel Tanks	6/30/91	30	\$ 18,815	\$ 2,509	\$ 43,259	\$ 5,769
3100	Storage Tanks	300246	Mariner Highlands #3	1/1/65	60	\$ 10,410	\$ 1,287	\$ 119,178	\$ 14,734
3100	Storage Tanks	300247	Hawthorne Hills Tank	1/1/00	60	\$ 784,815	\$ 555,965	\$ 1,402,401	\$ 993,464
3100	Storage Tanks	300248	Catholic Protection Tanks	1/31/94	30	\$ 29,902	\$ 6,561	\$ 61,465	\$ 13,487
3100	Storage Tanks	300249	Alto Tank Down Line	10/1/75	60	\$ 20,905	\$ 6,453	\$ 105,058	\$ 32,431
3100	Storage Tanks	300250	Tennessee Valley Tank	2/28/94	30	\$ 36,759	\$ 8,169	\$ 75,560	\$ 16,792
3100	Storage Tanks	300251	MARIN PROFESSIONAL CENTER TANK RECOATING	3/23/97	60	\$ 127,157	\$ 84,242	\$ 242,625	\$ 160,739
3100	Storage Tanks	300252	MILLER CREEK TANK RECOATING	2/28/97	60	\$ 127,157	\$ 84,066	\$ 242,625	\$ 160,403
3100	Storage Tanks	300254	Cath Protection Stl Tanks	5/31/89	15	\$ 11,625	\$ -	\$ 28,002	\$ -
3100	Storage Tanks	300255	Madera Park	1/1/73	60	\$ 18,180	\$ 4,696	\$ 106,647	\$ 27,548
3100	Storage Tanks	300259	Cath Prot Steel Tanks	8/30/87	15	\$ 8,768	\$ -	\$ 22,122	\$ -
3100	Storage Tanks	300261	1998-99 Steel Tank	1/1/00	60	\$ 1,033,673	\$ 732,208	\$ 1,847,089	\$ 1,308,396
3100	Storage Tanks	300264	Tank Recoating Pjct	5/1/99	60	\$ 118,939	\$ 82,932	\$ 218,218	\$ 152,155
3100	Storage Tanks	300265	Tank Overflows Screening	1/1/99	60	\$ 103,281	\$ 71,448	\$ 189,488	\$ 131,086
3100	Storage Tanks	300266	Tank Recoating	1/1/00	20	\$ 179,252	\$ 22,443	\$ 320,308	\$ 40,104
3100	Storage Tanks	300268	Cushing	1/1/29	60	\$ 4,503	\$ -	\$ 241,822	\$ -
3100	Storage Tanks	300269	Steel Storage Tanks - Coating	6/30/96	60	\$ 49,747	\$ 32,336	\$ 98,400	\$ 63,961
3100	Storage Tanks	300270	Bolsa Tank Replacement	1/1/78	60	\$ 9,205	\$ 3,151	\$ 36,861	\$ 12,619
3100	Storage Tanks	300271	Lucas Valley Tank S	7/1/99	25	\$ 90,331	\$ 25,293	\$ 165,730	\$ 46,405
3100	Storage Tanks	300272	White Hill	1/1/70	60	\$ 6,935	\$ 1,435	\$ 55,824	\$ 11,549
3100	Storage Tanks	300274	REDWOOD DRIVE UPPER	6/30/95	60	\$ 39,625	\$ 25,096	\$ 80,513	\$ 50,993
3100	Storage Tanks	300276	GLENWOOD	6/30/85	15	\$ 4,695	\$ -	\$ 12,441	\$ -
3100	Storage Tanks	300277	Cap Int On Ctd Alto #2	6/30/89	60	\$ 29,161	\$ 16,039	\$ 70,242	\$ 38,633
3100	Storage Tanks	300278	White Hill Tank	4/1/76	60	\$ 12,755	\$ 3,980	\$ 59,055	\$ 18,426
3100	Storage Tanks	300280	Tank Recoating Pjct	7/2/99	60	\$ 338,661	\$ 237,079	\$ 621,340	\$ 434,967
3100	Storage Tanks	300281	Alto Tank #2	5/31/89	15	\$ 7,120	\$ -	\$ 17,150	\$ -
3100	Storage Tanks	300282	Upper Summit	1/1/68	60	\$ 10,217	\$ 1,796	\$ 98,335	\$ 17,281
3100	Storage Tanks	300283	Courtright Tank	1/1/77	60	\$ 13,055	\$ 4,236	\$ 56,337	\$ 18,279
3100	Storage Tanks	300284	Sausalito Blvd	1/1/31	60	\$ 4,711	\$ -	\$ 289,334	\$ -

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
3100	Storage Tanks	300284	SAUSALITO BLVD TANK RECOATING PJCT	9/30/08	20	\$ 44,947	\$ 24,721	\$ 60,127	\$ 33,070
3100	Storage Tanks	300286	Fairfax Grade	1/1/58	60	\$ 6,986	\$ 74	\$ 102,318	\$ 1,086
3100	Storage Tanks	300287	Install Liner Meas Vista - Redwood Tank	6/30/95	60	\$ 53,185	\$ 33,684	\$ 108,066	\$ 68,442
3100	Storage Tanks	300288	Meadow Club Upper Tank	7/1/78	60	\$ 13,665	\$ 4,779	\$ 54,721	\$ 19,137
3100	Storage Tanks	300291	"WILSON WY TANK, LK UPGRD-CONST."	12/1/01	60	\$ 758,789	\$ 561,780	\$ 1,329,814	\$ 984,548
3100	Storage Tanks	300292	EXT.TANK COATING SANTA MARG.-CONST.	2/1/02	40	\$ 280,985	\$ 172,689	\$ 477,753	\$ 293,619
3100	Storage Tanks	300293	MT TIB TNK SEISMIC RETROFIT-CONST.	12/1/01	40	\$ 147,710	\$ 90,165	\$ 258,870	\$ 158,018
3100	Storage Tanks	300294	2000-01 TANK RECOATING PRGRM-CONST.	5/1/02	40	\$ 423,625	\$ 263,000	\$ 720,280	\$ 447,174
3100	Storage Tanks	300296	FENCE INSTALLATION-TANK SITES	12/1/01	60	\$ 56,072	\$ 42,210	\$ 98,269	\$ 73,975
3100	Storage Tanks	300298	REPLC WATER TANKS SOULAJULE	12/1/01	60	\$ 54,501	\$ 39,967	\$ 95,515	\$ 70,044
3100	Storage Tanks	300300	SUMMIT TRAIL TANK	12/1/01	60	\$ 405,518	\$ 297,441	\$ 710,690	\$ 521,280
3100	Storage Tanks	300304	LUCAS VALLEY TANK SEISMIC PJCT	8/7/02	60	\$ 2,222	\$ 1,679	\$ 3,778	\$ 2,855
3100	Storage Tanks	300305	MARINWOOD TANK SEISMIC RETROFIT	6/30/03	60	\$ 105,771	\$ 79,945	\$ 175,650	\$ 132,761
3100	Storage Tanks	300307	STRAWBERRY TANK 2001-02 RECOATING PJCT	6/30/03	60	\$ 327,487	\$ 250,619	\$ 543,843	\$ 416,191
3100	Storage Tanks	300308	REDWOOD TANK LINER REPAIRS	6/30/03	60	\$ 93,910	\$ 71,894	\$ 155,951	\$ 119,391
3100	Storage Tanks	300309	HIND TANK LINER INSTALLATION	7/31/03	60	\$ 5,110	\$ 3,917	\$ 8,485	\$ 6,505
3100	Storage Tanks	300310	BON TEMPE WATERSHED TANK SEISMIC RETRO	7/31/03	60	\$ 1,727	\$ 1,324	\$ 2,867	\$ 2,198
3100	Storage Tanks	300311	2002-03 TANK COATING, PUERTO SUELLO	6/30/04	60	\$ 565,220	\$ 442,022	\$ 883,095	\$ 690,612
3100	Storage Tanks	300312	SANTA MARGARITA TANK SITE PAVEMENT RPLS	7/31/04	60	\$ 15,080	\$ 11,813	\$ 23,561	\$ 18,456
3100	Storage Tanks	300313	LAS GALLINAS P-4 TANK SITE PAVEMENT RPLS	7/1/04	60	\$ 5,806	\$ 4,548	\$ 9,071	\$ 7,106
3100	Storage Tanks	300314	SAN CLEMENTE TANK SITE PAVEMENT RPLS	7/1/04	60	\$ 11,830	\$ 9,267	\$ 18,483	\$ 14,478
3100	Storage Tanks	300316	MEADOW CLUB TANK COATING	6/1/05	60	\$ 6,721	\$ 5,265	\$ 10,035	\$ 7,860
3100	Storage Tanks	300318	MONTE MAR VISTA TANK REPLS PJCT	1/31/06	60	\$ 432,963	\$ 348,662	\$ 620,952	\$ 500,048
3100	Storage Tanks	300319	FAIRFAX MANOR 1ST LIFT TANK REPLS. PJCT.	3/31/06	60	\$ 595,581	\$ 482,255	\$ 854,177	\$ 691,646
3100	Storage Tanks	300320	BAY ROAD TANK REPLACEMENT PJCT	3/31/06	60	\$ 531,120	\$ 429,364	\$ 761,728	\$ 615,790
3100	Storage Tanks	300321	SAUSALITO BOULEVARD TEMPORARY TANK	3/31/06	60	\$ 33,455	\$ 27,061	\$ 47,980	\$ 38,811
3100	Storage Tanks	300322	SPRING LANE TANK PROJECT	9/30/06	60	\$ 2,911,478	\$ 2,362,207	\$ 4,175,617	\$ 3,387,858
3100	Storage Tanks	300322	SPRING LANE TANK- LANDSCAPING	9/30/06	15	\$ 118,095	\$ 32,804	\$ 169,371	\$ 47,048
3100	Storage Tanks	300323	SCOTT TANK #1 & 2 REPLACEMENT PJCT	3/31/06	60	\$ 654,085	\$ 530,271	\$ 938,084	\$ 760,511
3100	Storage Tanks	300324	PARADISE DRIVE TANK 2004/05 RECOATING PROJECT	4/30/06	60	\$ 313,140	\$ 254,426	\$ 449,102	\$ 364,896
3100	Storage Tanks	300325	MESA VISTS TANK #1 SEISMIC RETROFIT PJCT	4/30/06	60	\$ 359,658	\$ 292,263	\$ 515,818	\$ 419,161
3100	Storage Tanks	300326	OAK WOODLANDS TANK REPLS PJCT	5/31/06	60	\$ 548,412	\$ 443,252	\$ 786,528	\$ 635,708
3100	Storage Tanks	300326	OAK WOODLANDS TANK #2 REPLS PJCT	5/31/06	60	\$ 548,412	\$ 443,252	\$ 786,528	\$ 635,708
3100	Storage Tanks	300327	FAIRHILLS TOP TANK 2 REPLACEMENT PJCT	3/31/07	60	\$ 479,509	\$ 396,402	\$ 669,147	\$ 553,172
3100	Storage Tanks	300328	GOODHILL ROAD TANK REPLACEMENT	4/30/07	60	\$ 486,697	\$ 403,592	\$ 679,177	\$ 563,206
3100	Storage Tanks	300329	SANTA VENETIA TANK REPLACEMENT	6/30/07	60	\$ 1,066,383	\$ 887,582	\$ 1,488,120	\$ 1,238,605
3100	Storage Tanks	300330	KENT WOODLANDS 1ST TANK REPLS	6/30/07	60	\$ 791,036	\$ 658,539	\$ 1,103,877	\$ 918,980
3100	Storage Tanks	300331	KENT FIRE TRAIL TANK #2 & PUMP RPLS	6/30/07	60	\$ 1,293,616	\$ 1,076,287	\$ 1,805,219	\$ 1,501,941
3100	Storage Tanks	300332	MARIN CITY TANK REPLACEMENT	2/29/08	60	\$ 1,230,177	\$ 1,025,336	\$ 1,645,628	\$ 1,371,609
3100	Storage Tanks	300332	MARIN CITY TANK SITE PAVING	12/31/09	15	\$ 16,785	\$ 7,833	\$ 21,772	\$ 10,160
3100	Storage Tanks	300333	MT. TIBURON TANK INSTALLATION	3/31/08	60	\$ 1,210,296	\$ 1,024,529	\$ 1,619,032	\$ 1,370,528
3100	Storage Tanks	300334	TAM WOODS TOP TANK REPLACEMENT	9/30/08	60	\$ 659,627	\$ 561,798	\$ 882,393	\$ 751,526
3100	Storage Tanks	300335	MESA VISTA TANK SITE FENCING REPLS	9/30/08	15	\$ 6,209	\$ 2,484	\$ 8,306	\$ 3,322
3100	Storage Tanks	300336	LUCAS VALLEY TANK SITE PAVEMENT REPLS	9/30/08	10	\$ 28,185	\$ 2,819	\$ 37,704	\$ 3,770
3100	Storage Tanks	300337	LOCH LOMOMD TANK SITE PAVEMENT REPLS	9/30/08	10	\$ 10,842	\$ 1,084	\$ 14,504	\$ 1,450
3100	Storage Tanks	300338	PAVING AT LAS RANCHITOS TANK SITE	1/31/09	10	\$ 14,750	\$ 1,475	\$ 19,133	\$ 1,913
3100	Storage Tanks	300340	1998/99 STEEL TANK SEISMIC	3/31/09	60	\$ 8,856	\$ 7,528	\$ 11,488	\$ 9,765
3100	Storage Tanks	300341	SEQUIOIA PARK TANKS REPLACEMENT PJCT	3/31/09	60	\$ 1,069,040	\$ 916,258	\$ 1,386,691	\$ 1,188,507
3100	Storage Tanks	300342	SEISMIC VALVE OPERATORS-ALTO & SMITH SADDLE TANKS	4/30/09	1	\$ 1,190	\$ -	\$ 1,543	\$ -
3100	Storage Tanks	300343	GOODHILL TANK RETAINING WALL	4/30/09	20	\$ 45,518	\$ 26,748	\$ 59,042	\$ 34,696
3100	Storage Tanks	300344	BEACON HILL STORAGE TANK REPLACEMENT PJCT	6/30/09	60	\$ 1,075,638	\$ 930,882	\$ 1,395,244	\$ 1,207,476

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
3100	Storage Tanks	300345	FRIAR TUCK LANE (LOCKWOOD)TANK REPLACEMENT	10/31/09	60	\$ 909,140	\$ 788,150	\$ 1,179,274	\$ 1,022,334
3100	Storage Tanks	300346	ROMER TANK RETAINING WALL REPLACEMENT	10/31/09	25	\$ 98,420	\$ 67,270	\$ 127,664	\$ 87,259
3100	Storage Tanks	300347	OAK MANOR FIRST LIFT TANK REPLACEMENT	12/31/09	60	\$ 833,662	\$ 726,094	\$ 1,081,369	\$ 941,840
3100	Storage Tanks	300348	SUMMIT AVENUE LOWER TANK REPLACEMENT PROJECT	1/31/10	60	\$ 1,051,578	\$ 920,283	\$ 1,328,083	\$ 1,162,265
3100	Storage Tanks	300349	CASCADE TANKS I & II REPLACEMENT PROJECT	3/31/10	60	\$ 616,202	\$ 540,178	\$ 778,228	\$ 682,213
3100	Storage Tanks	300350	RAFAEL HIGHLANDS TANK SEISMIC RETROFIT PJCT	3/31/10	60	\$ 236,969	\$ 208,260	\$ 299,278	\$ 263,021
3100	Storage Tanks	300351	GLENWOOD FOREST TANK REPLS PJCT -TK-228	12/31/10	60	\$ 397,508	\$ 352,842	\$ 502,030	\$ 445,619
3100	Storage Tanks	300352	SUGAR LOAF TANKS REPLACEMENT PJCT	5/31/11	60	\$ 1,340,436	\$ 1,198,976	\$ 1,642,873	\$ 1,469,495
3100	Storage Tanks	300354	KENT FIRE TRAIL TOP TANK REPLS PJCT	10/31/11	60	\$ 278,701	\$ 250,851	\$ 341,583	\$ 307,449
3100	Storage Tanks	300355	SWIG TANK REPLACEMENT PROJECT	10/31/11	60	\$ 408,502	\$ 368,259	\$ 500,670	\$ 451,347
3100	Storage Tanks	300356	SKY RANCH TANK REPLACEMENT PJCT	2/1/13	60	\$ 509,233	\$ 471,748	\$ 592,945	\$ 549,298
3100	Storage Tanks	300357	FERN CANYON TANK REPLACEMENT TK-236	3/1/13	60	\$ 380,963	\$ 353,463	\$ 443,589	\$ 411,569
3100	Storage Tanks	300358	TAM WOOD FIRST LIFT TANK REPLACEMENT	7/1/12	60	\$ 727,135	\$ 666,254	\$ 868,408	\$ 795,698
3100	Storage Tanks	300359	FAIRFAX MANOR TOP TANK REPLACEMENT	6/1/13	60	\$ 1,444,708	\$ 1,346,430	\$ 1,682,202	\$ 1,567,768
3100	Storage Tanks	300360	FAIRVIEW PARK TANK REPLACEMENT PROJECT	3/1/13	60	\$ 490,274	\$ 454,900	\$ 570,870	\$ 529,681
3100	Storage Tanks	300361	RAFAEL HIGHLANDS TANK COATING PROJECT	7/1/12	25	\$ 387,300	\$ 309,840	\$ 462,547	\$ 370,038
3100	Storage Tanks	300362	2012/13 GLENWOOD TANK COATING PROJECT	6/1/13	25	\$ 673,794	\$ 566,034	\$ 784,559	\$ 659,084
3100	Storage Tanks	300363	SAUSALITO PUMP HOUSE TANK RETAINING WALL	7/1/12	20	\$ 145,283	\$ 108,962	\$ 173,509	\$ 130,132
3100	Storage Tanks	300365	BRET HARTE TK SEISMIC RETROFIT - CONST	3/1/14	50	\$ 4,317	\$ 4,029	\$ 4,894	\$ 4,568
3100	Storage Tanks	300366	SAUSALITO BLVD TEMPORARY TANKS REMOVAL	3/1/14	40	\$ 7,151	\$ 6,556	\$ 8,107	\$ 7,432
3100	Storage Tanks	300367	TAM WOODS TOP TANK SOIL STABILIZATION	3/1/14	35	\$ 75,957	\$ 68,723	\$ 86,108	\$ 77,907
3100	Storage Tanks	300369	2009/2010 ESCALLE TANK COATING PROJECT	4/1/14	10	\$ 2,349	\$ 1,585	\$ 2,663	\$ 1,797
3100	Storage Tanks	300370	MARIN CITY TANK EXTERIOR COAT REPAIR	4/1/14	10	\$ 20,402	\$ 13,771	\$ 23,128	\$ 15,612
3100	Storage Tanks	300372	CONIFER WAY UPPER TANK REPLACEMENT PROJECT	4/1/14	60	\$ 555,689	\$ 525,596	\$ 629,949	\$ 595,833
3100	Storage Tanks	300373	2013/14 SKY VIEW TERRACE TANK RECOATING	6/1/14	25	\$ 258,946	\$ 227,016	\$ 293,550	\$ 257,353
3100	Storage Tanks	300374	MILL VALLEY TANK MIXER PROJECT	8/1/14	10	\$ 11,592	\$ 8,115	\$ 13,141	\$ 9,199
3100	Storage Tanks	300376	WHITE HILL TANK	8/1/14	60	\$ 210,654	\$ 200,121	\$ 238,804	\$ 226,864
3100	Storage Tanks	300378	ELDA DRIVE TANK STAIRCASE PROJECT TK068	10/1/14	30	\$ 111,336	\$ 101,134	\$ 126,214	\$ 114,649
3100	Storage Tanks	300379	MILL VALLEY TANK REPLACEMENT	7/1/14	60	\$ 2,175	\$ 2,066	\$ 2,466	\$ 2,342
3100	Storage Tanks	300380	BRET HARTE TANK RETAINING WALL	7/1/14	40	\$ 44,834	\$ 41,472	\$ 50,826	\$ 47,014
3100	Storage Tanks	300383	COUNTY VIEW DRIVE TANK SEISMIC	7/1/14	60	\$ 151,378	\$ 143,809	\$ 171,607	\$ 163,027
3100	Storage Tanks	300386	KENT WOODLANDS TANK ALTITUDE VALVE MODIFICATION	7/1/14	15	\$ 1,435	\$ 1,148	\$ 1,627	\$ 1,537,705
3100	Storage Tanks	300387	SLIDE GULCH TANK REPLACEMENT	7/1/14	60	\$ 1,356,438	\$ 1,288,733	\$ 1,537,705	\$ 1,460,952
3100	Storage Tanks	300388	HIND TANK REPLACEMENT	7/1/14	60	\$ 323,879	\$ 307,794	\$ 367,160	\$ 348,926
3100	Storage Tanks	300390	MADERA PARK TANK REPLACEMENT	7/1/14	60	\$ 101,353	\$ 100,676	\$ 114,897	\$ 114,129
3100	Storage Tanks	300391	ROSS RESERVOIR TANK REPLACEMENT	7/1/14	60	\$ 956,435	\$ 1,004,230	\$ 1,084,248	\$ 1,138,429
3100	Storage Tanks	300392	OAK AVE TANK REPLACEMENT	3/1/15	60	\$ 916,380	\$ 893,446	\$ 1,015,134	\$ 989,728
3100	Storage Tanks	300394	LOS RANCHITO TANK BYPASS PIPELINE TK089	4/1/15	60	\$ 101,535	\$ 97,740	\$ 112,477	\$ 108,273
3100	Storage Tanks	300395	LUCAS VALLEY TANK BYPASS PIPELINE	4/1/15	60	\$ 333,236	\$ 320,740	\$ 369,147	\$ 355,304
3100	Storage Tanks	300397	2013/14 TANK COATING INSPECTION	4/1/15	3	\$ 32,640	\$ 8,160	\$ 36,157	\$ 9,039
3100	Storage Tanks	300399	2015 COUNTY VIEW DRIVE TANK RECOATING	5/1/15	25	\$ 248,910	\$ 227,338	\$ 275,734	\$ 251,837
3100	Storage Tanks	300400	SKY VIEW TERRACE TANK RETAINING WALL&FENCE	5/1/15	40	\$ 102,073	\$ 96,553	\$ 113,073	\$ 106,958
3100	Storage Tanks	300401	2013/14 TANK COATING INSPECTION	5/1/15	3	\$ 29,990	\$ 8,331	\$ 33,222	\$ 9,228
3100	Storage Tanks	300402	LOS RANCHITOS RECTIFIER REPAIR	5/1/15	20	\$ 15,819	\$ 14,105	\$ 17,524	\$ 15,625
3100	Storage Tanks	300404	ELINOR TANK REPLACEMENT PROJECT (TK-050)	6/30/16	30	\$ 612,402	\$ 590,824	\$ 658,514	\$ 635,311
3100	Storage Tanks	300405	2015 ELDA DRIVE TANK ROCOATING	6/30/16	25	\$ 302,173	\$ 289,079	\$ 324,926	\$ 310,846
3100	Storage Tanks	300406	HUMMINGBIRD TANK REPLACEMENT OF ROOF LADDER	6/30/16	25	\$ 96,693	\$ 95,405	\$ 103,974	\$ 102,589
3100	Storage Tanks	300408	SUMMIT AVE, UPPER TANK & SLIDE GULCH PS R	6/30/17	60	\$ -	\$ 1,466,648	\$ -	\$ 1,518,518
3100 Storage Tanks Totals									
						\$ 67,959,032	\$ 50,286,352	\$ 147,248,136	\$ 77,036,457
4000	Pumping Plants	400000	Greenbrae	1/1/68	25	\$ 16,493	\$ -	\$ 158,739	\$ -
4000	Pumping Plants	400001	Knight Drive (Mann)	1/1/67	25	\$ 16,677	\$ -	\$ 172,615	\$ -

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
4000	Pumping Plants	400002	San Geronimo Booster Pmp	5/31/88	25	\$ 33,123	\$ -	\$ 81,480	\$ -
4000	Pumping Plants	400003	Idylberry	1/1/68	25	\$ 18,294	\$ -	\$ 176,073	\$ -
4000	Pumping Plants	400004	Soulajule	1/1/80	25	\$ 22,023	\$ -	\$ 75,631	\$ -
4000	Pumping Plants	400005	Lagunitas Booster-Flood Control	6/30/83	25	\$ 26,803	\$ -	\$ 73,279	\$ -
4000	Pumping Plants	400006	Chapman Booster C.M.	1/1/71	25	\$ 14,691	\$ -	\$ 103,296	\$ -
4000	Pumping Plants	400007	San Geronimo Booster Pump	11/30/88	25	\$ 29,417	\$ -	\$ 72,364	\$ -
4000	Pumping Plants	400007	SAN GERONIMO BOOSTERS #7, #8	6/30/07	25	\$ 232,550	\$ 138,755	\$ 324,519	\$ 193,630
4000	Pumping Plants	400008	La Cresta Asses District	6/30/85	25	\$ 23,794	\$ -	\$ 63,052	\$ -
4000	Pumping Plants	400009	Lagunitas Pump Control	3/31/87	25	\$ 26,508	\$ -	\$ 66,880	\$ -
4000	Pumping Plants	400010	Via Montebello	1/1/68	25	\$ 15,868	\$ -	\$ 152,723	\$ -
4000	Pumping Plants	400011	Oak Manor 1st Lift	1/1/55	25	\$ 16,201	\$ -	\$ 272,874	\$ -
4000	Pumping Plants	400012	Scott Pump Relocation	1/1/71	25	\$ 19,371	\$ -	\$ 136,203	\$ -
4000	Pumping Plants	400013	Kent Pump	1/1/55	25	\$ 27,266	\$ -	\$ 459,243	\$ -
4000	Pumping Plants	400014	Old Quarry Subdivision	2/28/89	25	\$ 55,088	\$ -	\$ 132,694	\$ -
4000	Pumping Plants	400015	Marinview Unit #3 Pmp St	1/1/74	25	\$ 27,767	\$ -	\$ 152,807	\$ -
4000	Pumping Plants	400016	Chapman Park	1/1/63	25	\$ 29,706	\$ -	\$ 366,509	\$ -
4000	Pumping Plants	400017	San Geronimo Standby	6/30/91	25	\$ 75,789	\$ -	\$ 174,251	\$ -
4000	Pumping Plants	400018	Lagunitas Booster Pump	5/31/87	25	\$ 54,311	\$ -	\$ 137,028	\$ -
4000	Pumping Plants	400019	Manor 2Nd Lift	1/1/67	25	\$ 21,924	\$ -	\$ 226,924	\$ -
4000	Pumping Plants	400021	Throckmorton Booster	6/30/82	25	\$ 30,991	\$ -	\$ 90,068	\$ -
4000	Pumping Plants	400022	Lagunitas Booster Siat Mdfctn	6/30/86	25	\$ 39,877	\$ -	\$ 103,211	\$ -
4000	Pumping Plants	400023	SML Pump St Rehab	6/30/90	25	\$ 57,235	\$ -	\$ 134,457	\$ -
4000	Pumping Plants	400024	Tiburon Booster Pump	1/31/91	25	\$ 62,418	\$ -	\$ 143,509	\$ -
4000	Pumping Plants	400025	Manor 1St Lift Ffx	1/1/54	25	\$ 11,027	\$ -	\$ 195,192	\$ -
4000	Pumping Plants	400026	Glenwood Forest	1/1/69	25	\$ 11,103	\$ -	\$ 97,262	\$ -
4000	Pumping Plants	400027	Lockwood Drive	1/1/64	25	\$ 11,130	\$ -	\$ 132,186	\$ -
4000	Pumping Plants	400028	Mesa Vista	1/1/61	25	\$ 11,134	\$ -	\$ 146,128	\$ -
4000	Pumping Plants	400028	MESA VISTA PS NOISE ATTENUATION PJCT	12/31/10	25	\$ 11,529	\$ 8,301	\$ 14,560	\$ 10,483
4000	Pumping Plants	400029	Ignacio Pump Station	9/30/91	25	\$ 28,715	\$ -	\$ 66,020	\$ -
4000	Pumping Plants	400030	Skyview Terrace	1/1/69	25	\$ 11,329	\$ -	\$ 99,242	\$ -
4000	Pumping Plants	400031	Oak Manor 2Nd Lift	9/1/76	25	\$ 9,466	\$ -	\$ 43,827	\$ -
4000	Pumping Plants	400032	Eida Drive	1/1/64	25	\$ 9,658	\$ -	\$ 114,703	\$ -
4000	Pumping Plants	400033	Summit Ave - Mill Valley	1/1/63	25	\$ 9,993	\$ -	\$ 123,292	\$ -
4000	Pumping Plants	400034	Manderly Road	1/1/71	25	\$ 10,131	\$ -	\$ 71,234	\$ -
4000	Pumping Plants	400036	Mariner Highlands	1/1/65	25	\$ 10,772	\$ -	\$ 123,322	\$ -
4000	Pumping Plants	400037	Swig	1/1/70	25	\$ 11,368	\$ -	\$ 91,507	\$ -
4000	Pumping Plants	400038	Sugar Loaf	1/1/66	25	\$ 13,416	\$ -	\$ 146,357	\$ -
4000	Pumping Plants	400039	Channing Wy	1/1/66	25	\$ 13,461	\$ -	\$ 146,848	\$ -
4000	Pumping Plants	400041	Forbes	1/1/57	25	\$ 13,467	\$ -	\$ 206,775	\$ -
4000	Pumping Plants	400042	Grove Hill	1/1/62	25	\$ 13,493	\$ -	\$ 172,011	\$ -
4000	Pumping Plants	400043	Aline-B.T. Auxiliary Pump	6/30/90	25	\$ 31,715	\$ -	\$ 74,505	\$ -
4000	Pumping Plants	400044	Hill Haven Pump And Scada	6/30/96	25	\$ 56,957	\$ 9,114	\$ 112,662	\$ 18,027
4000	Pumping Plants	400045	Hind	1/1/67	25	\$ 12,120	\$ -	\$ 125,448	\$ -
4000	Pumping Plants	400047	Mc Near Drive	1/1/66	25	\$ 12,838	\$ -	\$ 140,052	\$ -
4000	Pumping Plants	400048	Corte Madera 1St Lift	1/1/69	25	\$ 12,859	\$ -	\$ 112,645	\$ -
4000	Pumping Plants	400049	Sausalito Pump House	5/31/88	25	\$ 25,426	\$ -	\$ 62,546	\$ -
4000	Pumping Plants	400050	Lucas Valley Pump Station	10/1/76	25	\$ 115,239	\$ -	\$ 533,546	\$ -
4000	Pumping Plants	400051	Ignacio Pump Station	6/30/98	25	\$ 1,039,076	\$ 249,378	\$ 1,951,150	\$ 468,276
4000	Pumping Plants	400052	REDWOOD DRIVE UPPER	6/30/96	25	\$ 627,433	\$ 100,215	\$ 1,241,069	\$ 198,226
4000	Pumping Plants	400053	Marin Wood Booster Plnt	8/1/76	25	\$ 126,327	\$ -	\$ 584,883	\$ -
4000	Pumping Plants	400055	Rpl Alpine-B.T. Pump	1/1/78	25	\$ 173,684	\$ -	\$ 695,513	\$ -

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
4000	Pumping Plants	400056	"Quail Hill, Terra Linda Pumping Equipment"	6/30/94	25	\$ 264,217	\$ 10,569	\$ 543,112	\$ 21,725
4000	Pumping Plants	400057	Smith Saddle Booster	1/1/72	25	\$ 86,279	-	\$ 547,127	-
4000	Pumping Plants	400058	Ignacio Pump Control	3/1/95	25	\$ 340,284	\$ 36,161	\$ 691,417	\$ 73,475
4000	Pumping Plants	400059	S.M.L. Booster Station	6/30/90	25	\$ 213,328	-	\$ 501,150	-
4000	Pumping Plants	400060	Marina Pump Station	1/1/78	25	\$ 100,115	-	\$ 400,908	-
4000	Pumping Plants	400061	Forrest Knolls Pump Station	6/30/96	25	\$ 501,491	\$ 79,740	\$ 991,955	\$ 157,726
4000	Pumping Plants	400062	Pine Mtn Pump Station	1/1/78	25	\$ 174,014	-	\$ 696,835	-
4000	Pumping Plants	400063	Lagunitas Booster	1/1/73	25	\$ 282,383	-	\$ 1,656,511	-
4000	Pumping Plants	400063	LAGUNITAS BOOSTER PUMP STATION IMPELLER REPLS	1/31/09	10	\$ 126,942	\$ 12,694	\$ 164,660	\$ 16,466
4000	Pumping Plants	400063	LAGUNITAS PUMP STATION SOUND SUPPRESSION PUCT	5/31/07	25	\$ 6,894	\$ 3,860	\$ 9,620	\$ 5,387
4000	Pumping Plants	400063	LAGUNITAS BOOSTER PUMP REIMPELLER PUCT	1/31/09	20	\$ 40,263	\$ 22,145	\$ 52,226	\$ 28,724
4000	Pumping Plants	400063	LAGUNITAS BOOSTER PUMP STATION ROOF REPAIRS	4/30/09	15	\$ 86,704	\$ 39,019	\$ 112,467	\$ 50,613
4000	Pumping Plants	400063	LAGUNITAS BOOSTER PUMPS SOUND ATTENUATION	1/6/11	25	\$ 40,548	\$ 29,195	\$ 49,697	\$ 35,782
4000	Pumping Plants	400063	LAGUNITAS PUMP STATION ACOUSTICAL LOUVER	12/31/10	25	\$ 21,559	\$ 15,523	\$ 27,228	\$ 19,604
4000	Pumping Plants	400064	Phoenix-B.T. Pump Station	6/30/79	25	\$ 323,008	-	\$ 1,195,702	-
4000	Pumping Plants	400065	Marinship Tank Replacement	6/30/94	30	\$ 1,782,688	\$ 414,754	\$ 3,664,406	\$ 852,548
4000	Pumping Plants	400067	Ignacio Pump Station #1	1/1/77	25	\$ 729,781	-	\$ 3,149,283	-
4000	Pumping Plants	400067	AMMONIA ANALYZER IPS TANK SITE	4/30/09	10	\$ 14,541	\$ 1,442	\$ 18,862	\$ 1,870
4000	Pumping Plants	400067	IGNACIO CHEMICAL INJECTION LINES REPLS	1/31/10	15	\$ 45,097	\$ 21,045	\$ 56,954	\$ 26,579
4000	Pumping Plants	400068	Souljule Jbs Cisd 6/81	6/30/81	25	\$ 1,296,546	-	\$ 4,077,214	-
4000	Pumping Plants	400069	Las Gallinas Pump Station	1/31/92	25	\$ 454,062	-	\$ 1,012,546	-
4000	Pumping Plants	400070	Reclaimed Water Pump Station	6/30/94	25	\$ 637,231	\$ 46,731	\$ 1,309,861	\$ 96,058
4000	Pumping Plants	400071	Lagunitas	1/1/60	25	\$ 211,178	-	\$ 2,848,960	-
4000	Pumping Plants	400072	S.Q. Pump Station	1/1/78	25	\$ 241,709	-	\$ 967,917	-
4000	Pumping Plants	400073	Tocaloma (6)	1/1/69	25	\$ 241,198	-	\$ 2,112,891	-
4000	Pumping Plants	400074	Kent - Pump Modification	3/31/83	25	\$ 353,347	-	\$ 966,049	-
4000	Pumping Plants	400075	Fairhills 1st Lift	1/1/65	25	\$ 33,853	-	\$ 387,564	-
4000	Pumping Plants	400076	San Geronimo Pump Station	1/1/71	25	\$ 34,827	-	\$ 244,878	-
4000	Pumping Plants	400077	Tiburon Booster	1/1/64	25	\$ 35,328	-	\$ 419,574	-
4000	Pumping Plants	400078	Scott Highlands	1/1/64	25	\$ 36,338	-	\$ 431,569	-
4000	Pumping Plants	400079	Kent Woodlands 2Nd Lift	1/1/62	25	\$ 37,314	-	\$ 475,686	-
4000	Pumping Plants	400081	Tiburon-Beivedere	1/1/67	25	\$ 30,455	-	\$ 315,224	-
4000	Pumping Plants	400082	Lagunitas Mcc Desing	6/30/94	30	\$ 130,788	\$ 30,517	\$ 268,841	\$ 62,730
4000	Pumping Plants	400084	Chapman Bsr Station Mdf	11/30/85	25	\$ 51,590	-	\$ 136,709	-
4000	Pumping Plants	400085	Phoenix Gate House #2	1/1/66	25	\$ 32,735	-	\$ 357,111	-
4000	Pumping Plants	400086	San Geronimo Booster #6	1/1/71	25	\$ 33,158	-	\$ 233,142	-
4000	Pumping Plants	400087	Eastwood Way Pump Station Activation	6/30/97	25	\$ 285,599	\$ 57,120	\$ 544,943	\$ 108,988
4000	Pumping Plants	400088	San Geronimo Booster Station	6/30/95	25	\$ 253,914	\$ 30,469	\$ 515,923	\$ 61,909
4000	Pumping Plants	400090	Tiburon-Beivedere Pump	1/1/74	25	\$ 66,028	-	\$ 363,364	-
4000	Pumping Plants	400091	Upsizing Pumps	12/31/90	25	\$ 159,218	-	\$ 374,035	-
4000	Pumping Plants	400092	Tocaloma Pump Station	6/30/91	25	\$ 168,942	-	\$ 388,424	-
4000	Pumping Plants	400093	"Ring Mountain, Tiburon"	8/31/90	25	\$ 185,885	-	\$ 436,681	-
4000	Pumping Plants	400094	Phoenix Lake Pump	1/1/78	25	\$ 50,842	-	\$ 203,595	-
4000	Pumping Plants	400095	Conifer Wy Pump Station	5/31/86	25	\$ 85,454	-	\$ 221,174	-
4000	Pumping Plants	400097	Relocate Kent Pump	6/30/90	25	\$ 128,598	-	\$ 302,103	-
4000	Pumping Plants	400098	Via Montebello Pump Station & Improvements	6/30/94	30	\$ 245,919	\$ 57,381	\$ 505,499	\$ 117,950
4000	Pumping Plants	400099	Chula Vista Pump	1/1/74	25	\$ 60,670	-	\$ 333,878	-
4000	Pumping Plants	400100	Ignacio	1/1/80	25	\$ 10,860	-	\$ 37,295	-
4000	Pumping Plants	400100	IGNACIO TREATMENT PLANT RE-ROOFING	1/11/07	15	\$ 91,767	\$ 27,021	\$ 128,060	\$ 37,708
4000	Pumping Plants	400101	Knight Dr Pump Hse Fence	2/1/76	25	\$ 2,688	-	\$ 12,445	-
4000	Pumping Plants	400102	1997-98 Stnby Pump	1/1/01	25	\$ 145,242	\$ 49,422	\$ 254,545	\$ 86,615

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
4000	Pumping Plants	400103	Monte Mar Vista Pump	1/1/79	25	\$ 3,293	\$ -	\$ 12,190	\$ -
4000	Pumping Plants	400104	Rewound Pump - Oak Grove	1/1/73	25	\$ 3,000	\$ -	\$ 17,599	\$ -
4000	Pumping Plants	400105	Eldridge - Cushing	1/1/24	25	\$ 3,054	\$ -	\$ 157,905	\$ -
4000	Pumping Plants	400106	Other	6/30/83	25	\$ 4,305	\$ -	\$ 11,770	\$ -
4000	Pumping Plants	400107	Phase Prtctn Pump Station	6/30/84	25	\$ 3,608	\$ -	\$ 9,674	\$ -
4000	Pumping Plants	400108	Phase Prtctn - Pumps	6/30/85	25	\$ 3,902	\$ -	\$ 10,340	\$ -
4000	Pumping Plants	400109	Distribution Pump Replc	12/31/91	15	\$ 3,944	\$ -	\$ 9,068	\$ -
4000	Pumping Plants	400111	Tiburon Bosster Pump Rplc	9/1/98	25	\$ 23,228	\$ 5,735	\$ 43,617	\$ 10,769
4000	Pumping Plants	400112	Crescent Ave Pump	1/1/79	25	\$ 3,004	\$ -	\$ 11,120	\$ -
4000	Pumping Plants	400113	San Quentin Pump St	1/1/00	25	\$ 159,928	\$ 48,005	\$ 285,778	\$ 85,781
4000	Pumping Plants	400114	Mann Standby Pump Rplc	6/30/92	25	\$ 10,146	\$ 1	\$ 22,625	\$ 2
4000	Pumping Plants	400115	Dominican Heights	1/1/62	25	\$ 3,741	\$ -	\$ 47,691	\$ -
4000	Pumping Plants	400116	Del Mesa	1/1/67	25	\$ 3,745	\$ -	\$ 38,763	\$ -
4000	Pumping Plants	400117	Bates	1/1/58	25	\$ 3,750	\$ -	\$ 54,923	\$ -
4000	Pumping Plants	400118	Tam Woods 1St Lift Rplc	4/30/92	15	\$ 6,212	\$ -	\$ 13,853	\$ -
4000	Pumping Plants	400118	TAM WOODS 1ST LIFT PUMP RETAINING WALL PJCT	6/30/05	15	\$ 56,387	\$ 9,711	\$ 84,183	\$ 14,498
4000	Pumping Plants	400119	Meadow Club #1	1/1/60	25	\$ 3,827	\$ -	\$ 51,629	\$ -
4000	Pumping Plants	400120	Hill Haven	1/1/53	25	\$ 3,209	\$ -	\$ 59,454	\$ -
4000	Pumping Plants	400122	Fairview Park - M.V.	1/31/85	25	\$ 4,961	\$ -	\$ 13,146	\$ -
4000	Pumping Plants	400123	Cm 2Nd Lift Pump Replcmnt	7/1/92	60	\$ 22,700	\$ 13,242	\$ 50,620	\$ 29,529
4000	Pumping Plants	400124	Federal Wrks Booster Pump	5/31/88	25	\$ 6,767	\$ -	\$ 16,646	\$ -
4000	Pumping Plants	400125	Upgrade Standby Pumps	6/30/91	25	\$ 8,889	\$ -	\$ 20,437	\$ -
4000	Pumping Plants	400126	Reclaimed Pump Station - Addtl Costs	3/1/95	25	\$ 2,050	\$ 219	\$ 4,165	\$ 445
4000	Pumping Plants	400127	Construction Reclaimed Pump Stations	6/30/95	25	\$ 2,556	\$ 307	\$ 5,193	\$ 624
4000	Pumping Plants	400129	Hillhaven Pump And Scada	7/1/96	25	\$ 3,666	\$ 586	\$ 7,251	\$ 1,159
4000	Pumping Plants	400130	Ignacio Control System	6/30/96	25	\$ 4,255	\$ 681	\$ 8,416	\$ 1,347
4000	Pumping Plants	400131	Kent Lake Aerator V	7/1/99	25	\$ 21,978	\$ 6,138	\$ 40,323	\$ 11,262
4000	Pumping Plants	400132	Upper Rd Pump Rplcm	6/30/01	25	\$ 77,864	\$ 28,031	\$ 136,461	\$ 49,126
4000	Pumping Plants	400133	Pump & Motor Cntrl	1/1/01	25	\$ 16,068	\$ 5,740	\$ 28,160	\$ 10,060
4000	Pumping Plants	400134	Pump Sin Emerg Resp	7/1/00	25	\$ 6,397	\$ 2,048	\$ 11,431	\$ 3,659
4000	Pumping Plants	400135	REDWOOD DRIVE UPPER	3/31/98	25	\$ 2,859	\$ 658	\$ 5,369	\$ 1,236
4000	Pumping Plants	400136	Upsize Regulators	7/1/98	25	\$ 3,129	\$ 751	\$ 5,876	\$ 1,411
4000	Pumping Plants	400137	Cortez Avenue Pump Station	11/1/96	25	\$ 2,762	\$ 479	\$ 5,463	\$ 948
4000	Pumping Plants	400138	Grove Hill Pump Replacement	2/1/96	25	\$ 5,574	\$ 799	\$ 11,025	\$ 1,580
4000	Pumping Plants	400139	Lapachet Pump Replacement	12/31/92	60	\$ 14,025	\$ 8,298	\$ 31,275	\$ 18,504
4000	Pumping Plants	400140	San Quentin Pump Station Modification	6/30/97	25	\$ 13,307	\$ 2,662	\$ 25,391	\$ 5,078
4000	Pumping Plants	400141	Swig Pump Replacement	7/1/92	60	\$ 14,219	\$ 8,294	\$ 31,708	\$ 18,496
4000	Pumping Plants	400142	Upper Road - Ross	2/29/88	25	\$ 4,325	\$ -	\$ 10,639	\$ -
4000	Pumping Plants	400143	Recondition Booster	1/1/01	25	\$ 118,881	\$ 40,452	\$ 208,345	\$ 70,894
4000	Pumping Plants	400145	Kent Pump Project Report	6/30/97	25	\$ 9,125	\$ 1,825	\$ 17,411	\$ 3,482
4000	Pumping Plants	400146	Eastwood Way Pump Station Act.	3/31/98	25	\$ 11,271	\$ 2,593	\$ 21,164	\$ 4,868
4000	Pumping Plants	400147	Remote Valve Repl Shafter	7/1/98	25	\$ 14,439	\$ 3,466	\$ 27,114	\$ 6,508
4000	Pumping Plants	400148	Lagunitas Booster Rewiring	6/30/82	25	\$ 2,325	\$ -	\$ 6,757	\$ -
4000	Pumping Plants	400150	Reclaimed Pump Station - Addtl Costs	7/1/94	25	\$ 7,091	\$ 567	\$ 14,576	\$ 1,165
4000	Pumping Plants	400151	Marin City	1/1/64	25	\$ 6,804	\$ -	\$ 80,808	\$ -
4000	Pumping Plants	400152	Lockwood Dr S/B Pump	10/1/75	25	\$ 6,908	\$ -	\$ 34,716	\$ -
4000	Pumping Plants	400153	Summit Road - San Anselmo	3/31/82	25	\$ 8,868	\$ -	\$ 25,773	\$ -
4000	Pumping Plants	400154	Pump Station Emergenc	1/1/00	25	\$ 351,627	\$ 105,546	\$ 628,329	\$ 188,602
4000	Pumping Plants	400155	Sausalito Blvd	1/1/62	25	\$ 6,985	\$ -	\$ 89,046	\$ -
4000	Pumping Plants	400156	S.G. Booster Station Motor Control	6/30/96	25	\$ 35,381	\$ 5,661	\$ 69,984	\$ 11,198
4000	Pumping Plants	400157	Lapachet	1/1/60	25	\$ 6,162	\$ -	\$ 83,130	\$ -

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
4000	Pumping Plants	400158	Crescent Ave	1/1/62	25	\$ 6,232	\$ -	\$ 79,447	\$ -
4000	Pumping Plants	400159	Glen Drive	1/1/67	25	\$ 6,443	\$ -	\$ 66,688	\$ -
4000	Pumping Plants	400161	Kentwoodlands 2Nd Lift Pm	1/1/74	25	\$ 6,737	\$ -	\$ 37,075	\$ -
4000	Pumping Plants	400162	Kent Fire Trail	1/1/57	25	\$ 6,743	\$ -	\$ 103,533	\$ -
4000	Pumping Plants	400163	San Quentin Pump Rpic	3/31/92	15	\$ 11,479	\$ -	\$ 25,598	\$ -
4000	Pumping Plants	400164	Cascades	1/1/67	25	\$ 8,010	\$ -	\$ 82,907	\$ -
4000	Pumping Plants	400168	Lattie Lane	1/1/70	25	\$ 9,004	\$ -	\$ 72,478	\$ -
4000	Pumping Plants	400170	Tocaloma Pump	12/31/82	25	\$ 9,693	\$ -	\$ 28,170	\$ -
4000	Pumping Plants	400171	Kent Fire Trail Pump	1/1/74	25	\$ 7,198	\$ -	\$ 39,612	\$ -
4000	Pumping Plants	400172	Scott Pump Spply Line	1/1/70	25	\$ 7,439	\$ -	\$ 59,881	\$ -
4000	Pumping Plants	400174	Throckmorton	1/1/60	25	\$ 7,816	\$ -	\$ 105,444	\$ -
4000	Pumping Plants	400175	Pump Station Misc Replacements	8/1/94	25	\$ 28,353	\$ 2,363	\$ 58,281	\$ 4,857
4000	Pumping Plants	400176	Phase Prtcn Pump Station	6/30/84	25	\$ 6,405	\$ -	\$ 17,173	\$ -
4000	Pumping Plants	400177	Dominican Hts S/B Pump	10/31/84	25	\$ 6,943	\$ -	\$ 18,616	\$ -
4000	Pumping Plants	400177	DOMINICAN HEIGHTS PUMP STATION PAVING	12/31/09	15	\$ 4,185	\$ 1,953	\$ 5,428	\$ 2,533
4000	Pumping Plants	400178	Fawn Dr Pump	1/1/74	25	\$ 4,656	\$ -	\$ 25,623	\$ -
4000	Pumping Plants	400178	FAWN DRIVE PS NOISE ATTENUATION PJCT	12/31/10	25	\$ 25,952	\$ 18,685	\$ 32,775	\$ 23,598
4000	Pumping Plants	400179	Throckmorton Booster -M.V	2/1/76	25	\$ 4,825	\$ -	\$ 22,339	\$ -
4000	Pumping Plants	400180	Cascade Pump	1/1/74	25	\$ 4,934	\$ -	\$ 27,153	\$ -
4000	Pumping Plants	400181	Mine Ridge	1/1/62	25	\$ 4,998	\$ -	\$ 63,715	\$ -
4000	Pumping Plants	400182	Corte Madera 3Rd Lift	1/1/67	25	\$ 3,856	\$ -	\$ 39,911	\$ -
4000	Pumping Plants	400183	San Quentin	1/1/80	25	\$ 4,568	\$ -	\$ 15,687	\$ -
4000	Pumping Plants	400184	Highland Vista	1/1/65	25	\$ 3,926	\$ -	\$ 44,947	\$ -
4000	Pumping Plants	400185	"Fairhills Pump, San Rafael"	6/30/96	25	\$ 19,781	\$ 3,165	\$ 39,127	\$ 6,261
4000	Pumping Plants	400186	Fairhills	1/1/47	25	\$ 4,008	\$ -	\$ 107,880	\$ -
4000	Pumping Plants	400187	Marin Stand-By Pump S.A.	1/1/74	25	\$ 4,188	\$ -	\$ 23,047	\$ -
4000	Pumping Plants	400188	Lucas Valley Rd Pump Station	7/1/97	25	\$ 31,893	\$ 6,378	\$ 60,854	\$ 12,171
4000	Pumping Plants	400188	LUCAS VALLEY PUMP IMPELLER REPLACEMENT	12/31/09	10	\$ 25,529	\$ 5,106	\$ 33,114	\$ 6,623
4000	Pumping Plants	400189	Oak Manor 2Nd Lift Install New Pump	2/1/96	25	\$ 25,992	\$ 3,725	\$ 51,412	\$ 7,368
4000	Pumping Plants	400190	Ignacio Pump Stn - Cap Int.	6/30/98	25	\$ 47,373	\$ 11,369	\$ 88,956	\$ 21,349
4000	Pumping Plants	400191	Beacon Hill	1/1/68	25	\$ 5,865	\$ -	\$ 56,448	\$ -
4000	Pumping Plants	400192	San Geronimo Valley	1/1/01	25	\$ 301,434	\$ 102,570	\$ 528,278	\$ 179,760
4000	Pumping Plants	400193	Fawn Drive	1/1/67	25	\$ 4,094	\$ -	\$ 42,375	\$ -
4000	Pumping Plants	400194	Kent Pump Meter	5/31/86	15	\$ 6,141	\$ -	\$ 15,894	\$ -
4000	Pumping Plants	400195	Tam Woods 1St Lift	1/1/67	25	\$ 5,196	\$ -	\$ 53,781	\$ -
4000	Pumping Plants	400196	REDWOOD DRIVE LOWER	1/1/67	25	\$ 5,199	\$ -	\$ 53,812	\$ -
4000	Pumping Plants	400196	REDWOOD DRIVE LOWER P S SOUNDPROOFING	12/31/10	25	\$ 28,016	\$ 20,359	\$ 35,383	\$ 25,712
4000	Pumping Plants	400197	Tam Woods 2Nd Lift	1/1/67	25	\$ 5,226	\$ -	\$ 54,092	\$ -
4000	Pumping Plants	400198	Monte Mar Vista S/B Pump	6/30/84	25	\$ 8,142	\$ -	\$ 21,831	\$ -
4000	Pumping Plants	400199	Monte Mar Vista #1	1/1/61	25	\$ 5,412	\$ -	\$ 71,030	\$ -
4000	Pumping Plants	400200	Oak Manor Unit 2Nd	1/1/55	25	\$ 5,411	\$ -	\$ 91,138	\$ -
4000	Pumping Plants	400203	LAGUNITAS BOOSTER#1 PUMP/MOTOR	12/1/01	20	\$ 9,258	\$ 1,852	\$ 16,225	\$ 3,245
4000	Pumping Plants	400204	KENT PUMP SLIDE REPAIR PJCT	4/1/03	20	\$ 143,856	\$ 40,229	\$ 238,895	\$ 66,807
4000	Pumping Plants	400205	1997/98 STANDBY PUMP INSTALLATION	11/6/02	20	\$ 1,846	\$ 492	\$ 3,139	\$ 837
4000	Pumping Plants	400206	LAGUNITAS PUMP STATION SEISMIC RETRO PJCT	6/30/03	20	\$ 275,427	\$ 83,024	\$ 457,389	\$ 137,875
4000	Pumping Plants	400209	KENT PUMP REPAIR	7/1/04	20	\$ 83,287	\$ 29,151	\$ 130,127	\$ 45,545
4000	Pumping Plants	400210	RICHARDSON DRIVE PRESSURE SYSTEM PUMP STATION	1/31/05	20	\$ 329,421	\$ 123,533	\$ 491,805	\$ 184,427
4000	Pumping Plants	400211	SLIDE GULCH PUMP #1 REPLACEMENT	8/31/04	20	\$ 11,313	\$ 3,960	\$ 17,676	\$ 6,187
4000	Pumping Plants	400212	IGNACIO PUMP STATION LIGHTING UPGRADE	7/31/04	20	\$ 13,629	\$ 4,827	\$ 21,294	\$ 7,542
4000	Pumping Plants	400213	SUMMIT DRIVE & H-LINE PUMP STATION REHAB	12/31/05	20	\$ 1,070,179	\$ 445,917	\$ 1,597,712	\$ 666,727
4000	Pumping Plants	400214	MADERA PARK PRESSURE SYSTEM PUMP#1 REPLS	3/31/06	20	\$ 89,463	\$ 38,404	\$ 128,307	\$ 55,079

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
4000	Pumping Plants	400215	THROCKMORTON BOOSTER STATION REPLS PJCT	3/31/06	20	\$ 620,291	\$ 269,329	\$ 889,616	\$ 386,270
4000	Pumping Plants	400216	ALPINE BON TEMPE PUMP & MOTOR REPLS	5/31/06	20	\$ 44,556	\$ 17,822	\$ 63,901	\$ 25,561
4000	Pumping Plants	400217	OAK WOODLANDS PUMP REPLACEMENT	5/31/07	20	\$ 691,065	\$ 311,333	\$ 964,369	\$ 434,460
4000	Pumping Plants	400218	HAWTHORNE HILLS PUMP	3/31/08	1	\$ 4,817	\$ -	\$ 6,444	\$ -
4000	Pumping Plants	400219	MARIN TERRACE PUMP STATION REPLS	5/31/08	20	\$ 928,235	\$ 502,788	\$ 1,241,715	\$ 672,587
4000	Pumping Plants	400220	IGNACIO PUMP STATION EMERGENCY GENERATOR	9/30/08	20	\$ 1,033,891	\$ 577,302	\$ 1,383,052	\$ 772,267
4000	Pumping Plants	400221	LAGUNITAS PUMP STATION CONTROL BUILDING REPLS	12/31/08	20	\$ 525,430	\$ 300,934	\$ 702,876	\$ 402,564
4000	Pumping Plants	400221	LAGUNITAS BOOSTER CONTROL BUILDING ROOF REPAIRS	4/30/09	15	\$ 22,712	\$ 10,223	\$ 29,460	\$ 13,261
4000	Pumping Plants	400221	LAGUNITAS PUMP STN CNTRL BLDG ELECTRICAL PJCT	10/31/09	20	\$ 844,629	\$ 510,388	\$ 1,095,596	\$ 662,040
4000	Pumping Plants	400222	PAVING AT SKYVIEW TERRACE PUMP SITE	1/31/09	10	\$ 1,200	\$ -	\$ 1,557	\$ 156
4000	Pumping Plants	400223	IGNACIO CHEMICAL TANKS & DIFFUSER PIT	3/31/09	20	\$ 31,692	\$ 17,437	\$ 41,108	\$ 22,618
4000	Pumping Plants	400224	SAN GERONIMO VALLEY PUMP STATION	3/31/09	20	\$ 1,345	\$ 740	\$ 1,744	\$ 959
4000	Pumping Plants	400225	H-LINE BOOSTER STATION REHAB	5/31/09	20	\$ 111,793	\$ 66,144	\$ 145,010	\$ 85,798
4000	Pumping Plants	400226	ALPINE BON TEMPE PUMP & MOTOR REBUILDING	12/31/09	20	\$ 47,989	\$ 28,793	\$ 62,248	\$ 37,349
4000	Pumping Plants	400227	NORTH REDWOOD DRIVE PUMP STATION RETROFIT	12/31/09	20	\$ 12,975	\$ 7,785	\$ 16,830	\$ 10,098
4000	Pumping Plants	400228	IGNACIO #1 BOOSTER PUMP REPLACEMENT	12/21/10	20	\$ 32,219	\$ 20,942	\$ 40,691	\$ 26,449
4000	Pumping Plants	400229	SAN GERONIMO BOOSTER #4 REBUILD	12/21/10	20	\$ 28,193	\$ 18,325	\$ 35,606	\$ 23,144
4000	Pumping Plants	400230	IGNACIO TRANSMISSION PUMP MOTOR REBUILDS#1,#2	12/21/10	20	\$ 26,755	\$ 17,391	\$ 33,791	\$ 21,964
4000	Pumping Plants	400231	TOTALOMA TRANSMISSION MOTOR & PUMP REBUILDS	12/21/10	20	\$ 110,906	\$ 72,167	\$ 140,067	\$ 91,143
4000	Pumping Plants	400232	ALPINE BON TEMPE PRIM PUMPS	12/31/10	1	\$ 134	\$ -	\$ 170	\$ -
4000	Pumping Plants	400233	ALPINE BONTEMPE PUMP SOLAR ARRAY	12/31/10	20	\$ 9,947	\$ 6,465	\$ 12,562	\$ 8,165
4000	Pumping Plants	400234	LAGUNITAS PUMP STATION SITE- SECURITY, PARKING,	2/28/11	20	\$ 212,015	\$ 144,015	\$ 259,850	\$ 176,508
4000	Pumping Plants	400235	IGNACIO PLANT PLC UPGRADE	3/31/11	20	\$ 94,194	\$ 61,226	\$ 115,447	\$ 75,041
4000	Pumping Plants	400236	PHOENIX LAKE WATER SUPPLY PROJECT- PUMP	6/30/11	40	\$ 82,388	\$ 67,977	\$ 100,977	\$ 83,314
4000	Pumping Plants	400236	PHOENIX LAKE WATER SUPPLY PJCT- BARGE PUMP	6/30/11	20	\$ 283,909	\$ 184,657	\$ 347,966	\$ 226,320
4000	Pumping Plants	400236	PHOENIX LAKE WATER SUPPLY PJCT- BOOSTER PUMP	6/30/11	20	\$ 64,165	\$ 41,707	\$ 78,642	\$ 51,117
4000	Pumping Plants	400237	ALPINE- BON TEMPE BARGE PUMP STATION	10/31/11	20	\$ 3,009,084	\$ 2,111,275	\$ 3,688,009	\$ 2,587,631
4000	Pumping Plants	400238	LAGUNITAS BOOSTER PUMP STATION-ENERGY SAVING PROJ	3/31/11	20	\$ 118,008	\$ 93,172	\$ 137,512	\$ 108,489
4000	Pumping Plants	400239	TOTALOMA BOOSTER STATION IMPELLER REPL	7/1/12	25	\$ 377,674	\$ 302,139	\$ 451,051	\$ 360,841
4000	Pumping Plants	400240	SOULAJULE HOWELL-BUNGER VALVE ACRATION PROJECT	2/1/14	25	\$ 559,411	\$ 483,444	\$ 634,168	\$ 548,049
4000	Pumping Plants	400241	LAGUNITAS BOOSTER PUMP 4 & 5 REPLACEMENT	3/1/14	15	\$ 139,548	\$ 108,538	\$ 158,197	\$ 123,042
4000	Pumping Plants	400242	MARIN TERR PUMP STATION-RETAINING WALL REPL	3/1/14	15	\$ 12,374	\$ 9,625	\$ 14,028	\$ 10,911
4000	Pumping Plants	400243	CONTROL VALVE REPLACEMENT PROGRAM	4/1/14	20	\$ 32,796	\$ 27,467	\$ 37,179	\$ 31,137
4000	Pumping Plants	400244	VIA MONTEBELLO PS SCADA RADIO INSTALLATION	4/1/14	10	\$ 6,032	\$ 4,071	\$ 6,838	\$ 4,615
4000	Pumping Plants	400245	MARINER HIGHLANDS PUMP REPLACEMENT	3/20/14	20	\$ 22,837	\$ 19,031	\$ 25,888	\$ 21,574
4000	Pumping Plants	400246	SOLAJULE PUMP STATION DIESEL ENGINE REPLACEMENT	6/30/14	20	\$ 1,562,703	\$ 1,315,284	\$ 1,771,534	\$ 1,491,052
4000	Pumping Plants	400247	SAN GERONIMO CONTROL VALVE REBUILD	8/1/14	20	\$ 32,976	\$ 28,030	\$ 37,383	\$ 31,776
4000	Pumping Plants	400248	LUCAS VALLEY PUMP VARIABLE FREQ DRIVE REPLACE	8/1/14	25	\$ 55,653	\$ 48,974	\$ 63,090	\$ 55,519
4000	Pumping Plants	400249	TIBURON BOOSTER #2 REPLACEMENT	8/1/14	25	\$ 43,265	\$ 38,073	\$ 49,046	\$ 43,161
4000	Pumping Plants	400250	LAGUNITAS BOOSTER BLOWOFF IMPROVEMENTS	7/1/14	25	\$ 10,103	\$ 8,891	\$ 11,453	\$ 10,079
4000	Pumping Plants	400251	SAN GERONIMO TRANSMISSION PUMP REBUILDS	7/1/14	25	\$ 64,028	\$ 56,345	\$ 72,585	\$ 63,875
4000	Pumping Plants	400252	FIRE ROAD PUMP REPLACEMENT	7/1/14	25	\$ 30,238	\$ 26,609	\$ 34,279	\$ 30,165
4000	Pumping Plants	400253	SAUSALITO BL PUMP REPLACEMENT	7/1/14	25	\$ 11,395	\$ 10,028	\$ 12,918	\$ 11,368
4000	Pumping Plants	400254	H LINE BOOSTER PUMP RETAINING WALL	7/1/14	25	\$ 31,118	\$ 27,384	\$ 35,277	\$ 31,044
4000	Pumping Plants	400255	THROCKMORTON BOOSTER SOUND ATTENUATION	7/1/14	25	\$ 12,103	\$ 10,651	\$ 13,721	\$ 12,074
4000	Pumping Plants	400256	FAIRHILL 2ND LIFT PUMP 1 MOTOR STARTER	7/1/14	25	\$ 2,642	\$ 2,325	\$ 2,995	\$ 2,636
4000	Pumping Plants	400257	IGNACIO PUMP 1 & 2 VFD REPLACEMENT	7/1/14	20	\$ 6,486	\$ 5,513	\$ 7,352	\$ 6,250
4000	Pumping Plants	400258	LARGE DISTRICT REGULATOR VAULT REPLACEMENT	7/1/14	20	\$ 37,577	\$ 31,941	\$ 42,599	\$ 36,209
4000	Pumping Plants	400259	LAGUNITAS BOOSTER PUMP 3 REBUILD/REPLACE	7/1/14	25	\$ 18,353	\$ 16,151	\$ 20,806	\$ 18,309
4000	Pumping Plants	400260	BON TEMPE PUMP-SAMPLE PUMP REPLACE	7/1/14	20	\$ 6,830	\$ 5,805	\$ 7,742	\$ 6,581
4000	Pumping Plants	400261	PHOENIX PUMP ROOFING & SIDING PROJECT	7/1/14	15	\$ 58,078	\$ 46,462	\$ 65,839	\$ 52,671

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
4000	Pumping Plants	400262	LAGUNITAS SMALL PUMP CONTROL VALVE RETROFIT	7/1/14	10	\$ 2,943	\$ 2,060	\$ 3,336	\$ 2,335
4000	Pumping Plants	400263	CASCADE PUMP 2 REPLACEMENT	7/1/14	25	\$ 36,546	\$ 32,160	\$ 41,429	\$ 36,458
4000	Pumping Plants	400264	MADERA PARK PUMP CHECK VALVE INSTALL	7/1/14	15	\$ 9,793	\$ 7,834	\$ 11,101	\$ 8,881
4000	Pumping Plants	400265	LAGUNITAS LAKE CONTROL VALVE REPL	7/1/14	25	\$ 5,940	\$ 5,227	\$ 6,734	\$ 5,926
4000	Pumping Plants	400266	CASCADE PUMP STATION PCR INSTALLATION	4/1/15	25	\$ 3,537	\$ 3,219	\$ 3,918	\$ 3,566
4000	Pumping Plants	400267	SHAFTER VALVE ACTUATOR REPLACEMENT	4/1/15	25	\$ 5,326	\$ 4,847	\$ 5,900	\$ 5,369
4000	Pumping Plants	400268	ELINOR AV PUMP STATION CONTROL VALVE REPL	5/1/15	25	\$ 9,543	\$ 8,717	\$ 10,571	\$ 9,656
4000	Pumping Plants	400269	SAN QUENTIN PUMP REPAIR PROJECT	7/1/15	25	\$ 17,811	\$ 16,386	\$ 19,730	\$ 18,152
4000	Pumping Plants	400270	2015 PUMP CONTROL VALVE INSTL-TAM WOODS 1&2 LIFT	7/31/15	25	\$ 45,889	\$ 42,218	\$ 50,835	\$ 46,768
4000	Pumping Plants	400274	IGNACIO PUMP STATION VFD REPLACEMENT	6/30/16	25	\$ 401,203	\$ 383,817	\$ 431,412	\$ 412,718
4000	Pumping Plants	400275	LAGUNITAS BOOSTER PUMP- 1 REBUILD	9/1/15	25	\$ 15,511	\$ 14,374	\$ 17,183	\$ 15,923
4000	Pumping Plants	400276	FEDERAL WORKS LINE BOOSTER BYPASS PRP	6/30/17	25	\$ -	\$ 193,743	\$ -	\$ 200,595
4000	Pumping Plants	400277	NML BOOSTER PUMP #5 REPLACEMENT SGTP	6/30/17	25	\$ -	\$ 170,621	\$ -	\$ 176,655
	4000 Pumping Plants Totals					\$ 31,018,831	\$ 11,718,590	\$ 71,529,496	\$ 15,718,043
5000	Water Treatment Plants	500000	Siactor Alpine	1/1/57	15	\$ 3,731	\$ -	\$ 57,286	\$ -
5000	Water Treatment Plants	500001	Photometer/Accessories 2	11/30/85	10	\$ 3,795	\$ -	\$ 10,056	\$ -
5000	Water Treatment Plants	500002	Chemical Fume Hood Vwr	5/31/87	10	\$ 4,026	\$ -	\$ 10,158	\$ -
5000	Water Treatment Plants	500003	Chlorinator-Kent	1/1/66	15	\$ 4,109	\$ -	\$ 44,826	\$ -
5000	Water Treatment Plants	500004	Chlorinator Meadow Club	1/1/51	15	\$ 4,127	\$ -	\$ 84,489	\$ -
5000	Water Treatment Plants	500005	Anthractite Coal	6/30/93	10	\$ 5,206	\$ -	\$ 11,108	\$ -
5000	Water Treatment Plants	500006	Force Flow Drum Scale	7/1/92	10	\$ 3,539	\$ -	\$ 7,892	\$ -
5000	Water Treatment Plants	500007	Particle Counters - Filter Performance Monitor At S	6/1/97	30	\$ 24,334	\$ 8,044	\$ 46,431	\$ 15,348
5000	Water Treatment Plants	500008	Orion Ion Analyzer	9/30/91	12	\$ 4,136	\$ -	\$ 9,509	\$ -
5000	Water Treatment Plants	500009	Chlorinator/Forbes Reser.	1/1/50	15	\$ 3,370	\$ -	\$ 73,456	\$ -
5000	Water Treatment Plants	500011	Duriron Frp Pump	7/1/92	10	\$ 3,899	\$ -	\$ 8,695	\$ -
5000	Water Treatment Plants	500012	Hach Ratio/Turbidimeter	7/1/92	10	\$ 5,132	\$ -	\$ 11,444	\$ -
5000	Water Treatment Plants	500013	Carbon Feed System	6/30/90	15	\$ 6,402	\$ -	\$ 15,040	\$ -
5000	Water Treatment Plants	500014	Enteria Tot Chlor Analy	2/29/92	15	\$ 7,912	\$ -	\$ 17,644	\$ -
5000	Water Treatment Plants	500015	Stranco Lqd Polymer Sys	12/31/92	10	\$ 6,172	\$ -	\$ 13,763	\$ -
5000	Water Treatment Plants	500017	Spectronic Spectrometer	9/30/91	15	\$ 8,494	\$ -	\$ 19,529	\$ -
5000	Water Treatment Plants	500018	Polyblend Polym Feed Syst	5/31/86	15	\$ 4,223	\$ -	\$ 10,930	\$ -
5000	Water Treatment Plants	500019	Particle Counters - Filter Performance Monitor At	6/1/97	30	\$ 31,291	\$ 10,344	\$ 59,705	\$ 19,736
5000	Water Treatment Plants	500020	Cannon Copier Np1500	12/31/92	6	\$ 4,263	\$ -	\$ 9,506	\$ -
5000	Water Treatment Plants	500021	Chlorinator Conversion	4/30/91	12	\$ 5,048	\$ -	\$ 11,606	\$ -
5000	Water Treatment Plants	500022	Chlorine Analyser/Record	11/30/85	10	\$ 4,320	\$ -	\$ 11,448	\$ -
5000	Water Treatment Plants	500023	Borges Chlorine Analyzer	3/31/87	15	\$ 4,600	\$ -	\$ 11,606	\$ -
5000	Water Treatment Plants	500024	Envitrolube Pump/Access	12/31/92	10	\$ 3,632	\$ -	\$ 8,099	\$ -
5000	Water Treatment Plants	500025	Conductivity Cell W/Ds3, Land Pump & Detector Int	8/1/94	10	\$ 2,879	\$ -	\$ 5,918	\$ -
5000	Water Treatment Plants	500026	Maintenance Software Pack	4/30/87	15	\$ 2,175	\$ -	\$ 5,488	\$ -
5000	Water Treatment Plants	500027	Borges Solur/Metering Pump	11/30/88	10	\$ 2,061	\$ -	\$ 5,070	\$ -
5000	Water Treatment Plants	500028	Hach Chlorine Analyzer	11/30/90	6	\$ 2,081	\$ -	\$ 4,889	\$ -
5000	Water Treatment Plants	500029	1st Chlorine Monitor Fuel	3/31/87	10	\$ 2,120	\$ -	\$ 5,349	\$ -
5000	Water Treatment Plants	500030	Speedomax 3 Pen Recorder	11/30/85	10	\$ 2,148	\$ -	\$ 5,692	\$ -
5000	Water Treatment Plants	500031	Modicon As-B872-100 Analog Module For Pld Cntr	4/30/98	30	\$ 10,608	\$ 3,830	\$ 19,919	\$ 7,193
5000	Water Treatment Plants	500032	Alamedaelectric	9/1/98	30	\$ 9,212	\$ 3,124	\$ 17,297	\$ 5,866
5000	Water Treatment Plants	500033	Allen Bradley Ctrline Mtr Control	3/31/98	30	\$ 11,646	\$ 4,174	\$ 21,869	\$ 7,837
5000	Water Treatment Plants	500034	Hach Residual Chlor Anyal	12/31/91	15	\$ 2,360	\$ -	\$ 5,426	\$ -
5000	Water Treatment Plants	500035	VWR Fume Hood	1/31/92	15	\$ 2,518	\$ -	\$ 5,615	\$ -
5000	Water Treatment Plants	500036	Hach Chlorine Anlyzer	7/30/93	10	\$ 2,467	\$ -	\$ 5,264	\$ -
5000	Water Treatment Plants	500039	Repair Pump/Reverse	3/31/87	15	\$ 3,855	\$ -	\$ 9,726	\$ -
5000	Water Treatment Plants	500041	Prechlorinator-Bon Tempe	1/1/72	15	\$ 2,883	\$ -	\$ 18,282	\$ -

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
5000	Water Treatment Plants	500042	Pilot Filter System	11/30/88	15	\$ 3,468	\$ -	\$ 8,531	\$ -
5000	Water Treatment Plants	500043	B & M Solution Metering Pump	6/1/94	10	\$ 3,123	\$ -	\$ 6,419	\$ -
5000	Water Treatment Plants	500044	Chlorinator - Alpine	1/1/66	15	\$ 2,215	\$ -	\$ 24,164	\$ -
5000	Water Treatment Plants	500045	Dukane Microfilm Reader	6/30/90	6	\$ 2,307	\$ -	\$ 5,420	\$ -
5000	Water Treatment Plants	500046	Hach 6/Se Turbidimeter	6/30/96	10	\$ 5,168	\$ -	\$ 10,222	\$ -
5000	Water Treatment Plants	500047	Polymer Tank 4200 Gal	2/29/88	15	\$ 2,897	\$ -	\$ 7,126	\$ -
5000	Water Treatment Plants	500049	"76 Gary Place, San Rafael - Fireline"	5/31/98	30	\$ 6,160	\$ 2,242	\$ 11,567	\$ 4,209
5000	Water Treatment Plants	500050	L.G.T.P Plant Expansion	6/30/91	40	\$ 2,602	\$ 911	\$ 5,982	\$ 2,095
5000	Water Treatment Plants	500051	"19 Broadway, Fairfax - Fireline"	5/31/98	30	\$ 7,158	\$ 2,604	\$ 13,441	\$ 4,890
5000	Water Treatment Plants	500052	"1175 Idylberry Rd, S.R. - Fireline"	5/31/98	30	\$ 7,630	\$ 2,777	\$ 14,327	\$ 5,214
5000	Water Treatment Plants	500053	"208 Greenfield Ave., S.A. - Fireline"	5/31/98	30	\$ 8,317	\$ 3,026	\$ 15,617	\$ 5,683
5000	Water Treatment Plants	500054	SGTP Sludge Pond Pmp	7/1/98	30	\$ 10,500	\$ 3,851	\$ 19,716	\$ 7,231
5000	Water Treatment Plants	500055	2130 Redwood Hwy, Greenbrae - Fireline"	5/31/98	30	\$ 3,452	\$ 1,256	\$ 6,482	\$ 2,358
5000	Water Treatment Plants	500056	"Fireline - 2 Walden Lane, Mill Valley"	6/30/98	30	\$ 3,560	\$ 1,305	\$ 6,685	\$ 2,451
5000	Water Treatment Plants	500057	"2140 Redwood Highway, Greenbrae - Fireline"	12/1/96	30	\$ 2,690	\$ 844	\$ 5,321	\$ 1,670
5000	Water Treatment Plants	500058	"384 Carrera Drive, M.V. - Fireline"	5/31/98	30	\$ 4,019	\$ 1,462	\$ 7,547	\$ 2,746
5000	Water Treatment Plants	500059	"1501 Tiburon Blvd, Tiburon - Fireline"	5/31/98	30	\$ 4,501	\$ 1,638	\$ 8,452	\$ 3,075
5000	Water Treatment Plants	500060	"740 Francisco Blvd W, S.R. - Fireline"	5/31/98	30	\$ 5,004	\$ 1,820	\$ 9,396	\$ 3,418
5000	Water Treatment Plants	500061	SGTP Sludge Pond Pump	6/30/98	30	\$ 65,650	\$ 24,072	\$ 123,276	\$ 45,201
5000	Water Treatment Plants	500062	L.G.T.P Modifications	6/30/84	40	\$ 26,813	\$ 4,695	\$ 71,892	\$ 12,588
5000	Water Treatment Plants	500063	LGTP Improvements	3/31/91	40	\$ 219,611	\$ 75,493	\$ 504,920	\$ 173,569
5000	Water Treatment Plants	500064	LGVRP Gravity Filters	6/30/90	40	\$ 528,938	\$ 171,906	\$ 1,242,582	\$ 403,841
5000	Water Treatment Plants	500064	LGVRP FILTER CLEANING	6/30/05	40	\$ 40,803	\$ 28,647	\$ 60,917	\$ 42,769
5000	Water Treatment Plants	500065	LGVRP Improvements	6/30/90	40	\$ 1,788,359	\$ 581,216	\$ 4,201,215	\$ 1,365,394
5000	Water Treatment Plants	500066	LAS GALLINAS TREATMENT PLANT	9/30/81	40	\$ 2,150,951	\$ 215,094	\$ 6,764,038	\$ 676,399
5000	Water Treatment Plants	500066	LAS GALLINAS TREATMENT PLANT RE-ROOFING	1/11/07	15	\$ 56,962	\$ 16,773	\$ 79,490	\$ 23,406
5000	Water Treatment Plants	500067	"1110 Third St, S.R. - Fireline"	5/31/98	30	\$ 12,005	\$ 4,368	\$ 22,543	\$ 8,203
5000	Water Treatment Plants	500068	Reverse Osmosis Unit - Lg	6/30/84	40	\$ 2,902	\$ 468	\$ 7,781	\$ 1,255
5000	Water Treatment Plants	500069	Corte Madera Recycling	4/1/96	30	\$ 7,604	\$ 2,218	\$ 15,041	\$ 4,388
5000	Water Treatment Plants	500070	"1115 Third Street, S.R. - Fireline"	5/31/98	30	\$ 13,384	\$ 4,871	\$ 25,132	\$ 9,146
5000	Water Treatment Plants	500071	"5 Richmond Road, San Anselmo - Fireline"	12/1/96	30	\$ 10,891	\$ 3,419	\$ 21,543	\$ 6,762
5000	Water Treatment Plants	500072	"622-624 Lindaro St, S.R. - Fireline"	5/31/98	30	\$ 18,879	\$ 6,870	\$ 35,450	\$ 12,901
5000	Water Treatment Plants	500073	Drake Blvd. San Geron Valley - Fireline	5/31/98	30	\$ 3,414	\$ 1,242	\$ 6,411	\$ 2,333
5000	Water Treatment Plants	500074	Hach Chlorine Analyzer	7/1/92	10	\$ 9,438	\$ -	\$ 21,046	\$ -
5000	Water Treatment Plants	500075	Orion Fluoride Meter	1/31/91	12	\$ 10,991	\$ -	\$ 25,270	\$ -
5000	Water Treatment Plants	500076	30 Tons Anthracite Coal	6/30/85	10	\$ 10,013	\$ -	\$ 26,534	\$ -
5000	Water Treatment Plants	500077	RMPP & Alter Disinfectant	6/30/96	30	\$ 68,923	\$ 20,677	\$ 136,330	\$ 40,900
5000	Water Treatment Plants	500078	Borges/Mahoney Micro 2000 Residual Chlorine Analyz	6/1/95	10	\$ 18,887	\$ -	\$ 38,376	\$ -
5000	Water Treatment Plants	500079	Destrat Unit - Nicasio	1/1/72	15	\$ 14,430	\$ -	\$ 91,506	\$ -
5000	Water Treatment Plants	500080	HydroLab Surveyor 3	12/31/90	15	\$ 8,607	\$ -	\$ 20,220	\$ -
5000	Water Treatment Plants	500081	Philadelphia Mixer	12/31/90	12	\$ 7,119	\$ -	\$ 16,724	\$ -
5000	Water Treatment Plants	500082	Chemtrac Current Monitor	12/31/92	10	\$ 7,537	\$ -	\$ 16,807	\$ -
5000	Water Treatment Plants	500083	Hach Chlorine Analyzer	6/30/90	10	\$ 7,250	\$ -	\$ 17,032	\$ -
5000	Water Treatment Plants	500084	Hach Chlorine Analyzer	9/30/91	15	\$ 11,529	\$ -	\$ 26,507	\$ -
5000	Water Treatment Plants	500085	Norlab Lab Furniture	8/1/93	10	\$ 10,603	\$ -	\$ 22,623	\$ -
5000	Water Treatment Plants	500086	Clarifier #1 S.G.T.P.	12/31/90	25	\$ 99,316	\$ -	\$ 233,313	\$ -
5000	Water Treatment Plants	500087	LGVRP Reclamation Clarifier	5/31/89	15	\$ 73,364	\$ -	\$ 176,716	\$ -
5000	Water Treatment Plants	500088	P/E Spectrophotometer	11/30/91	15	\$ 92,424	\$ -	\$ 212,497	\$ -
5000	Water Treatment Plants	500089	RMPP & Alternate Disinfectant-Sgtp, Bttp, Ignacio	9/30/95	10	\$ 208,881	\$ -	\$ 424,421	\$ -
5000	Water Treatment Plants	500090	"1612 Fifth Street, S.R. - Fireline"	5/31/98	30	\$ 2,844	\$ 1,034	\$ 5,340	\$ 1,942
5000	Water Treatment Plants	500091	"615 Lindaro Ave., S.R. - Fireline"	5/31/98	30	\$ 3,022	\$ 1,099	\$ 5,675	\$ 2,064

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
5000	Water Treatment Plants	500092	Bon Tempe Clarifier Modif	7/1/97	30	\$ 118,365	\$ 39,454	\$ 225,849	\$ 75,281
5000	Water Treatment Plants	500093	50 Bacteria Sampling Stations	7/1/97	30	\$ 131,972	\$ 43,991	\$ 251,812	\$ 83,938
5000	Water Treatment Plants	500094	Tempe T/Plant Flour/Analy	4/30/81	15	\$ 18,083	-	\$ 56,865	-
5000	Water Treatment Plants	500095	SGTP Backwash Rehab	5/31/89	15	\$ 26,325	-	\$ 63,411	-
5000	Water Treatment Plants	500096	Atomic Emission Atomizer	7/31/79	15	\$ 22,371	-	\$ 82,812	-
5000	Water Treatment Plants	500097	Anthracite Coal 100 Tons	6/30/84	20	\$ 27,466	-	\$ 73,643	-
5000	Water Treatment Plants	500098	Alpine Wtr Systm Upgrd - Micron Filter	7/1/97	30	\$ 8,397	\$ 2,799	\$ 16,022	\$ 5,340
5000	Water Treatment Plants	500099	SGTP Control Rm Ret	1/1/00	15	\$ 313,546	-	\$ 560,281	-
5000	Water Treatment Plants	500100	BTTP Dilution Line	6/30/91	12	\$ 13,178	-	\$ 30,298	-
5000	Water Treatment Plants	500101	Clarifier / Cleanwell Rehabilitation	7/1/96	15	\$ 33,303	-	\$ 65,874	-
5000	Water Treatment Plants	500102	SGTP Hot Standby Pc	6/30/93	15	\$ 21,116	-	\$ 45,055	-
5000	Water Treatment Plants	500103	B.T. & S.G. Pneumatic Sys	8/31/85	15	\$ 11,389	-	\$ 30,180	-
5000	Water Treatment Plants	500104	Clarifier / Clwl Rehabilitation	6/30/96	30	\$ 68,468	\$ 20,541	\$ 135,430	\$ 40,630
5000	Water Treatment Plants	500105	BT Modernization	6/30/84	12	\$ 5,750	-	\$ 15,417	-
5000	Water Treatment Plants	500106	N. Marin Line Chlrntr	1/1/59	15	\$ 6,321	-	\$ 88,164	-
5000	Water Treatment Plants	500107	SGTP Sludge Drying	9/1/00	15	\$ 114,908	-	\$ 205,331	-
5000	Water Treatment Plants	500108	S.G. Waste Wtr Rcvry Pmp	10/31/81	12	\$ 7,330	-	\$ 23,050	-
5000	Water Treatment Plants	500109	SGTP Filter Basin &	1/1/00	15	\$ 259,286	-	\$ 463,323	-
5000	Water Treatment Plants	500110	Bon Tempe Cleanwell No1	12/1/96	15	\$ 32,647	-	\$ 64,576	-
5000	Water Treatment Plants	500111	SGTP Clearwell No. 2 - Capitalized Interest	4/1/97	30	\$ 135,442	\$ 44,018	\$ 258,433	\$ 83,990
5000	Water Treatment Plants	500112	SGTP Filter Basin & Ctngs	1/1/99	75	\$ 595,577	\$ 448,723	\$ 1,092,703	\$ 823,269
5000	Water Treatment Plants	500113	SGTP Elec & Sys Mdfctns	6/30/83	12	\$ 24,560	-	\$ 67,147	-
5000	Water Treatment Plants	500114	SGTP Caustic Feed System	9/30/81	15	\$ 20,849	-	\$ 78,142	-
5000	Water Treatment Plants	500115	S.G./B.T.F.P. Drainage	8/1/75	40	\$ 40,263	-	\$ 202,342	-
5000	Water Treatment Plants	500116	BTTP Operator Interface	3/31/87	12	\$ 27,054	-	\$ 68,258	-
5000	Water Treatment Plants	500117	Bon Tempe Trmt Plant	1/1/01	15	\$ 364,270	-	\$ 638,400	-
5000	Water Treatment Plants	500117	BON TEMPE WINDOW FILM PROJECT	6/30/05	15	\$ 3,508	\$ 640	\$ 5,237	\$ 955
5000	Water Treatment Plants	500117	BTTP BUILDING COATING PROJECT	3/31/08	15	\$ 3,002	\$ 1,001	\$ 4,016	\$ 1,339
5000	Water Treatment Plants	500117	BON TEMPE TREATMENT PLANT EXTERIOR RECOATING	12/31/08	15	\$ 244,580	\$ 104,655	\$ 327,179	\$ 139,999
5000	Water Treatment Plants	500117	BON TEMPE TRMT PLANT WINDOW GLASS REPLS	10/31/09	40	\$ 101,496	\$ 81,197	\$ 131,654	\$ 105,323
5000	Water Treatment Plants	500117	BON TEMPE TREATMENT PLANT PLC UPGRADE	3/31/11	15	\$ 219,223	\$ 116,999	\$ 268,685	\$ 143,397
5000	Water Treatment Plants	500117	BTTP GUARDRAIL PROJECT	10/31/11	15	\$ 68,908	\$ 41,345	\$ 84,456	\$ 50,673
5000	Water Treatment Plants	500118	Bon Tempe Reroofing	1/1/84	15	\$ 13,363	-	\$ 35,829	-
5000	Water Treatment Plants	500119	Skuice Gates B.T.	6/30/84	12	\$ 14,767	-	\$ 39,594	-
5000	Water Treatment Plants	500120	B.T. Leach Field	5/31/86	20	\$ 20,716	-	\$ 53,618	-
5000	Water Treatment Plants	500121	Sky Ranch Phase I	6/30/94	75	\$ 154,899	\$ 105,332	\$ 318,403	\$ 216,515
5000	Water Treatment Plants	500122	BT Filter Media Removal	3/31/82	12	\$ 17,405	-	\$ 50,583	-
5000	Water Treatment Plants	500123	Program Cntrlr Btpp	11/30/86	12	\$ 5,563	-	\$ 14,398	-
5000	Water Treatment Plants	500124	SGTP Clearwell No. 2	3/31/98	30	\$ 6,643	\$ 2,381	\$ 12,474	\$ 4,471
5000	Water Treatment Plants	500125	Pilot Test At Lgvrp	1/1/01	15	\$ 51,607	-	\$ 90,444	-
5000	Water Treatment Plants	500126	B.T. & S.G. Sfty Rqrmnts.	6/1/76	40	\$ 2,727	-	\$ 12,626	-
5000	Water Treatment Plants	500127	SGTP Cleanwell No. 1	3/31/98	30	\$ 17,765	\$ 6,366	\$ 33,359	\$ 11,954
5000	Water Treatment Plants	500128	Chloramine Conversions	4/30/94	15	\$ 4,113	-	\$ 8,454	-
5000	Water Treatment Plants	500129	San Geron Booster P	1/1/01	15	\$ 64,591	-	\$ 113,199	-
5000	Water Treatment Plants	500130	LGVRP Ohoused Chlrntr	3/31/90	30	\$ 42,260	\$ 19,721	\$ 99,277	\$ 46,329
5000	Water Treatment Plants	500131	SGTP Wash Wtr Rcvry Pump	6/30/90	30	\$ 114,132	\$ 53,262	\$ 268,119	\$ 125,122
5000	Water Treatment Plants	500132	SGTP Emerg Gnrtr	6/30/90	30	\$ 18,511	\$ 8,639	\$ 43,486	\$ 20,294
5000	Water Treatment Plants	500133	BTTP Emerg Generato	1/1/00	15	\$ 2,382	-	\$ 4,256	-
5000	Water Treatment Plants	500134	B.T.T.P. Access Hatch	6/30/99	30	\$ 3,043	\$ 1,218	\$ 5,583	\$ 2,235
5000	Water Treatment Plants	500135	Bon Tempe Cleanwell No. 1	3/31/98	30	\$ 4,530	\$ 1,623	\$ 8,506	\$ 3,048
5000	Water Treatment Plants	500136	Flordation Facilities	1/1/79	40	\$ 7,190	\$ 266	\$ 26,616	\$ 985

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
5000	Water Treatment Plants	500137	Hypochlorite Controls& Conversion	8/1/94	30	\$ 19,167	\$ 4,526	\$ 39,399	\$ 9,303
5000	Water Treatment Plants	500138	SGTP Improvements	3/1/78	15	\$ 4,680	-	\$ 18,741	\$ -
5000	Water Treatment Plants	500139	Sludge Beds	1/1/70	40	\$ 6,150	-	\$ 49,505	\$ -
5000	Water Treatment Plants	500140	BTTP Automatic Flor Sys	5/31/89	12	\$ 5,032	-	\$ 12,121	\$ -
5000	Water Treatment Plants	500141	SGTP Cmprsr Wall	6/30/81	15	\$ 5,401	-	\$ 16,984	\$ -
5000	Water Treatment Plants	500142	SGTP Cleanwell No. 1 - Capitalized Interest	4/1/97	30	\$ 20,348	\$ 6,614	\$ 38,825	\$ 12,619
5000	Water Treatment Plants	500143	Flor Storage Area Roofs	8/31/86	12	\$ 3,048	-	\$ 7,889	\$ -
5000	Water Treatment Plants	500144	S.G. Improvements	6/1/76	40	\$ 5,817	-	\$ 26,932	\$ -
5000	Water Treatment Plants	500145	SGTP - Reroof Portion	6/30/84	15	\$ 3,674	-	\$ 9,851	\$ -
5000	Water Treatment Plants	500146	Acid Feed System Btpp	11/30/90	12	\$ 4,189	-	\$ 9,841	\$ -
5000	Water Treatment Plants	500147	BTTP Clarifier Overhaul	8/1/94	30	\$ 17,558	\$ 4,146	\$ 36,091	\$ 8,522
5000	Water Treatment Plants	500148	BT Modernization	3/31/82	15	\$ 1,458,679	-	\$ 4,239,291	\$ -
5000	Water Treatment Plants	500149	San Geronimo Trmnt Plnt	7/1/76	37	\$ 2,220,701	-	\$ 10,281,651	\$ -
5000	Water Treatment Plants	500149	SAN GERONIMO TREATMENT PLANT	1/11/07	15	\$ 190,890	\$ 56,209	\$ 266,384	\$ 78,438
5000	Water Treatment Plants	500149	SGTP COATING PJCT	6/30/08	37	\$ 934,257	\$ 704,924	\$ 1,249,770	\$ 942,988
5000	Water Treatment Plants	500149	SGTP SUPERINTENDANT'S OFFICE REMODEL	9/30/08	40	\$ 27,719	\$ 21,919	\$ 37,080	\$ 29,321
5000	Water Treatment Plants	500149	SGTP WASTE WATER #2 MOTOR REPLACEMENT	12/31/09	10	\$ 1,527	\$ 305	\$ 1,980	\$ 396
5000	Water Treatment Plants	500149	SGTP WINDOW GLASS REPLACEMENT PROJECT	12/31/09	40	\$ 81,467	\$ 65,685	\$ 105,673	\$ 85,202
5000	Water Treatment Plants	500149	SGTP BUILDING EXTERIOR RECOATING PROJECT	12/31/09	20	\$ 418,033	\$ 258,033	\$ 542,244	\$ 334,703
5000	Water Treatment Plants	500149	TREATMENT PLANTS LAB FUME HOOD MONITORS	12/21/10	12	\$ 4,195	\$ 1,748	\$ 5,297	\$ 2,207
5000	Water Treatment Plants	500149	SGTP GUARD RAIL PROJECT	10/31/11	15	\$ 263,426	\$ 158,056	\$ 322,862	\$ 193,717
5000	Water Treatment Plants	500150	San Geronimo Plant	1/1/58	40	\$ 1,739,578	-	\$ 25,478,102	\$ -
5000	Water Treatment Plants	500151	Chlorine Injector Pump	10/1/00	30	\$ 2,136	\$ 891	\$ 3,818	\$ 1,592
5000	Water Treatment Plants	500154	Bon Tempe Clarifier & Modifications	7/1/93	15	\$ 662,222	-	\$ 1,412,963	\$ -
5000	Water Treatment Plants	500155	BT Modernization	6/30/82	15	\$ 389,239	-	\$ 1,131,227	\$ -
5000	Water Treatment Plants	500156	San Geronimo Clarifer And Repairs	7/1/93	15	\$ 701,817	-	\$ 1,497,446	\$ -
5000	Water Treatment Plants	500157	*SG, BTTP & Ignacio Disinfection System"	6/30/95	40	\$ 2,751,845	\$ 1,238,330	\$ 5,591,421	\$ 2,516,139
5000	Water Treatment Plants	500158	SGTP Cleanwell No. 2	4/1/97	30	\$ 3,839,858	\$ 1,247,954	\$ 7,326,721	\$ 2,381,184
5000	Water Treatment Plants	500159	Bon Tempe Plant	1/1/58	40	\$ 1,198,651	-	\$ 17,555,610	\$ -
5000	Water Treatment Plants	500160	RMPP & Alter. Disinfect Sty	3/31/98	30	\$ 5,843	\$ 2,094	\$ 10,972	\$ 3,931
5000	Water Treatment Plants	500161	Hypochlorite Conversion/Container Addtl Costs	7/1/94	30	\$ 2,808	\$ 654	\$ 5,772	\$ 1,345
5000	Water Treatment Plants	500162	Purification equipment	4/1/99	30	\$ 6,660	\$ 2,387	\$ 12,219	\$ 4,380
5000	Water Treatment Plants	500163	Orionresearch	9/1/98	30	\$ 5,995	\$ 2,033	\$ 11,257	\$ 3,817
5000	Water Treatment Plants	500164	Milton Roy	7/1/98	30	\$ 8,929	\$ 3,274	\$ 12,206	\$ 4,068
5000	Water Treatment Plants	500165	Bon Tempe Flash Mix Injctr	6/30/98	30	\$ 2,600	\$ 895	\$ 4,882	\$ 1,681
5000	Water Treatment Plants	500166	Alamedaelectric	11/1/98	30	\$ 2,650	\$ 900	\$ 4,976	\$ 1,689
5000	Water Treatment Plants	500167	Alamedaelectric	9/1/98	30	\$ 3,500	\$ 1,253	\$ 6,572	\$ 2,353
5000	Water Treatment Plants	500168	2 Duratrec Chemical Sensors	3/31/98	30	\$ 3,125	\$ 1,060	\$ 5,868	\$ 1,991
5000	Water Treatment Plants	500169	Alamedaelectric	9/1/98	30	\$ 8,388	\$ 3,499	\$ 14,989	\$ 6,252
5000	Water Treatment Plants	500170	Phase Microscope W/Digital	10/1/00	30	\$ 3,686	\$ 1,249	\$ 6,922	\$ 2,346
5000	Water Treatment Plants	500171	Alamedaelectric	9/1/98	30	\$ 211,692	-	\$ 509,915	\$ -
5000	Water Treatment Plants	500172	SGTP Flocc-Sed. Tank #2	5/31/89	12	\$ 221,434	-	\$ 406,264	\$ -
5000	Water Treatment Plants	500173	Washwtr Hypo Fac Install	1/1/99	15	\$ 135,204	\$ 40,581	\$ 325,674	\$ 97,751
5000	Water Treatment Plants	500174	SGTP Modernization	5/30/85	40	\$ 55,066	-	\$ 145,921	\$ -
5000	Water Treatment Plants	500175	S.G. Sludge Bulkheads	6/30/85	20	\$ 69,470	-	\$ 179,804	\$ -
5000	Water Treatment Plants	500176	SGTP Pump Pit Enclosure	2/28/86	20	\$ 106,959	\$ 5	\$ 461,569	\$ 21
5000	Water Treatment Plants	500177	Floridation Facilities	6/1/77	40	\$ 147,367	-	\$ 328,625	\$ -
5000	Water Treatment Plants	500178	Recoat Clarifier #L Sgtp	5/31/92	20	\$ 58,368	-	\$ 119,978	\$ -
5000	Water Treatment Plants	500179	B.T.T.P. Replace Havn System	6/30/94	15	\$ 182,588	-	\$ 334,993	\$ -
5000	Water Treatment Plants	500180	BTTP Emerg Generator Replc	4/1/99	15	\$ 55,485	-	\$ 174,482	\$ 12,666
5000	Water Treatment Plants	500181	B.T.T.P. Expansion	6/30/81	40	\$ 55,485	\$ 4,028	\$ 174,482	\$ 12,666

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
5000	Water Treatment Plants	500182	SGTP Filter Gate Ops	9/1/98	15	\$ 157,354	\$ -	\$ 295,475	\$ -
5000	Water Treatment Plants	500183	SGTP Backwash System	7/31/91	20	\$ 61,926	\$ -	\$ 142,378	\$ -
5000	Water Treatment Plants	500184	Bon Tempe Cleanwell No. 1	7/1/96	30	\$ 204,211	\$ 61,264	\$ 403,932	\$ 121,180
5000	Water Treatment Plants	500185	SGTP Filters 5 & 6 Underdrains	6/30/97	15	\$ 377,599	\$ -	\$ 720,486	\$ -
5000	Water Treatment Plants	500186	Hypochlorite Conversion/Container Upgrade	6/30/94	15	\$ 289,819	\$ -	\$ 595,738	\$ -
5000	Water Treatment Plants	500187	L.G.V.R.P Ph Adjustment Equipment	7/1/93	15	\$ 267,072	\$ -	\$ 569,843	\$ -
5000	Water Treatment Plants	500188	SGTP Modernization	6/30/92	40	\$ 686,448	\$ 257,418	\$ 1,530,761	\$ 574,035
5000	Water Treatment Plants	500189	Bontempe Cleanwell #1	6/30/96	30	\$ 946,239	\$ 283,872	\$ 1,871,671	\$ 561,502
5000	Water Treatment Plants	500190	LGTP Vault Linings	6/30/92	20	\$ 364,853	\$ -	\$ 813,613	\$ -
5000	Water Treatment Plants	500191	BTTP 2nd Wash Revy Pmp	5/31/89	12	\$ 72,765	\$ -	\$ 175,273	\$ -
5000	Water Treatment Plants	500192	LGVRP Design	2/28/90	40	\$ 275,094	\$ 85,967	\$ 646,251	\$ 201,955
5000	Water Treatment Plants	500193	"#1-#4 Underdrain Repairs, San Geronimo"	6/30/96	40	\$ 633,893	\$ 301,100	\$ 1,253,847	\$ 595,578
5000	Water Treatment Plants	500194	SGTP Cleanwell No. 1	4/1/97	30	\$ 677,198	\$ 220,090	\$ 1,292,142	\$ 419,947
5000	Water Treatment Plants	500195	BTTP Additional I/O	6/30/92	15	\$ 150,638	\$ -	\$ 335,919	\$ -
5000	Water Treatment Plants	500196	BTTP Clarifier Overhaul	6/30/94	15	\$ 179,060	\$ -	\$ 368,067	\$ -
5000	Water Treatment Plants	500200	BTTP FILTER REHABILITATION PJCT	6/30/03	30	\$ 1,575,684	\$ 836,441	\$ 2,616,666	\$ 1,389,040
5000	Water Treatment Plants	500201	TREATMENT PLANT UPGRADE PJCTS FOR PM	6/1/03	30	\$ 142,142	\$ 75,625	\$ 236,049	\$ 125,587
5000	Water Treatment Plants	500202	SGTP CATCH BASIN MODIFICATIONS	7/1/04	30	\$ 23,911	\$ 13,550	\$ 37,359	\$ 21,170
5000	Water Treatment Plants	500203	SGTP CLARIFIER DRAW DOWN PUMP CONNECTIONS	10/31/04	30	\$ 5,387	\$ 3,097	\$ 8,417	\$ 4,839
5000	Water Treatment Plants	500204	SGVTP POLYMER SPLITTER CABINET	1/31/05	30	\$ 13,354	\$ 7,790	\$ 19,937	\$ 11,630
5000	Water Treatment Plants	500205	SGTP SEPTIC SYSTEM REPLACEMENT	6/30/06	30	\$ 175,658	\$ 105,425	\$ 251,927	\$ 151,200
5000	Water Treatment Plants	500206	BTTP UNINTERRUPTABLE POWER SUPPLY	6/30/06	20	\$ 149,847	\$ 66,613	\$ 214,910	\$ 95,536
5000	Water Treatment Plants	500207	FERRIC CHLORIDE CONVERSION	2/28/07	30	\$ 38,543	\$ 25,053	\$ 53,786	\$ 34,961
5000	Water Treatment Plants	500208	PLANT SECURITY FENCING PJCT-VARIOUS	3/31/07	15	\$ 108,366	\$ 33,714	\$ 151,223	\$ 47,047
5000	Water Treatment Plants	500209	RECYCLED WATER SATELLITE PLANT STUDY	3/31/08	1	\$ 63,319	\$ -	\$ 84,703	\$ -
5000	Water Treatment Plants	500210	BON TEMPE SLUICE GATE REPLACEMENT	3/31/09	30	\$ 147,757	\$ 103,430	\$ 191,661	\$ 134,163
5000	Water Treatment Plants	500211	LAS GALLINAS BIRD PROTECTION	3/31/09	10	\$ 3,958	\$ 396	\$ 5,134	\$ 513
5000	Water Treatment Plants	500212	SGTP FILTER & UNDERDRAIN REPAIR	3/31/09	30	\$ 31,401	\$ 21,981	\$ 40,732	\$ 28,512
5000	Water Treatment Plants	500213	BTTP CLARIFIER DRAW DOWN PUMP	3/31/09	30	\$ 15,850	\$ 11,139	\$ 20,559	\$ 14,448
5000	Water Treatment Plants	500214	BTTP FILTER CONTROLS MODERNIZATION PRP	3/31/09	30	\$ 440,181	\$ 320,310	\$ 570,973	\$ 415,485
5000	Water Treatment Plants	500215	SGTP UNDERGROUND STORAGE TANK REMOVAL	3/31/09	1	\$ 64,043	\$ -	\$ 83,072	\$ -
5000	Water Treatment Plants	500216	BTTP LAKE INTAKE INSPECTION	3/31/09	1	\$ 18,202	\$ -	\$ 23,610	\$ -
5000	Water Treatment Plants	500217	LGTP SODIUM HYDROXIDE TANK REPLS	3/31/09	15	\$ 44,397	\$ 17,759	\$ 57,588	\$ 23,035
5000	Water Treatment Plants	500218	BTTP SLUDGE POND CONSTRUCTION	3/31/09	30	\$ 6,927	\$ 4,849	\$ 8,985	\$ 6,290
5000	Water Treatment Plants	500219	NIKE MISSILE SITE STUDY	3/31/09	1	\$ 162,802	\$ -	\$ 211,175	\$ -
5000	Water Treatment Plants	500220	SGTP PROPANE GAS LINE REPLACEMENT	3/31/09	30	\$ 13,221	\$ 9,255	\$ 17,149	\$ 12,005
5000	Water Treatment Plants	500221	LGVRP BIRD NETTING OF FIXED FILM REACTOR	3/31/09	10	\$ 8,948	\$ 1,790	\$ 11,606	\$ 2,321
5000	Water Treatment Plants	500222	BTTP FERRIC CHLORIDE PROJECT	3/31/09	30	\$ 45,080	\$ 31,556	\$ 58,474	\$ 40,932
5000	Water Treatment Plants	500223	SGTP FILTER #2 UNDERDRAIN REPAIR	3/31/09	30	\$ 18,824	\$ 13,177	\$ 24,417	\$ 17,092
5000	Water Treatment Plants	500224	CHLORINE ANALYZER REPLACEMENT PJCT	3/31/09	30	\$ 68,196	\$ 48,874	\$ 88,459	\$ 63,396
5000	Water Treatment Plants	500225	BTTP SEISMIC RETROFIT	3/31/09	30	\$ 2,859	\$ 2,001	\$ 3,708	\$ 2,596
5000	Water Treatment Plants	500226	SGTP & BTTP RAPID SAND FILTER ACCESS PJCT	10/31/09	30	\$ 128,274	\$ 95,749	\$ 166,388	\$ 124,199
5000	Water Treatment Plants	500227	SGTP HYPOCHLORITE TANK REPLACEMENT	12/31/09	15	\$ 99,772	\$ 48,979	\$ 129,418	\$ 63,532
5000	Water Treatment Plants	500228	SGTP CLARIFIER #1 DRIVE REPAIR	12/31/09	15	\$ 156,102	\$ 72,847	\$ 202,484	\$ 94,493
5000	Water Treatment Plants	500229	BTTP CHEMICAL METERING PUMP	12/31/09	10	\$ 9,297	\$ 1,859	\$ 12,060	\$ 2,412
5000	Water Treatment Plants	500230	SGTP SANITARY DRAIN REPAIR/REPLS	12/31/09	30	\$ 2,726	\$ 2,030	\$ 3,537	\$ 2,633
5000	Water Treatment Plants	500231	SGTP BACKWASH VALVE REPLACEMENT	12/31/09	15	\$ 16,611	\$ 7,752	\$ 21,546	\$ 10,055
5000	Water Treatment Plants	500232	SGTP INFLUENT CHANNEL DIVIDER	12/31/09	30	\$ 16,775	\$ 12,301	\$ 21,759	\$ 15,957
5000	Water Treatment Plants	500233	LAS GALLINAS TMT PLINT CLEARWELL PJCT	6/30/11	30	\$ 3,437,227	\$ 2,702,288	\$ 4,212,752	\$ 3,311,992
5000	Water Treatment Plants	500234	SGTP CLARIFIER #2 RECOATING PJCT	10/31/11	25	\$ 1,137,897	\$ 864,809	\$ 1,394,635	\$ 1,059,931
5000	Water Treatment Plants	500236	TREATMENT PLANT VALVE REPAIR & REPLACEMENT	6/30/12	15	\$ 257,558	\$ 170,729	\$ 307,598	\$ 203,899

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
5000	Water Treatment Plants	500237	BON TEMPE TREATMENT PLANT FILTER VALVE REPLMNT	6/30/12	15	\$ 96,455	\$ 63,777	\$ 115,195	\$ 76,168
5000	Water Treatment Plants	500238	IGNACIO TREATMENT PLANTS-INSTALL 7 CHEMICAL PUMPS	1/1/13	30	\$ 187,609	\$ 159,468	\$ 218,450	\$ 185,682
5000	Water Treatment Plants	500239	LGVRP HYPOCHLORITE TANK REPLACEMENT	7/1/12	15	\$ 84,961	\$ 56,654	\$ 101,467	\$ 67,661
5000	Water Treatment Plants	500240	BTPP HYPOCHLORITE TANK REPLACEMENT	7/1/12	15	\$ 117,312	\$ 78,208	\$ 140,105	\$ 93,403
5000	Water Treatment Plants	500241	SGTP HYPOCHLORITE TANK#1 REPLACEMENT	6/30/13	15	\$ 90,220	\$ 65,660	\$ 105,051	\$ 76,454
5000	Water Treatment Plants	500242	CHEMICAL METERING PUMP REPL PROJECT	7/1/12	15	\$ 240,931	\$ 165,604	\$ 287,740	\$ 197,779
5000	Water Treatment Plants	500243	BON TEMPE TREATMENT PLANT PILOT UPGRADE	10/24/13	40	\$ 19,653	\$ 17,810	\$ 22,883	\$ 20,738
5000	Water Treatment Plants	500244	SGTLP PROGRAMMABLE LOGIC CONTROLLERS UPGRADE	4/1/14	20	\$ 219,471	\$ 183,807	\$ 248,800	\$ 208,370
5000	Water Treatment Plants	500245	LG TREATMENT PLANT SURGE ANTICIPATOR VALVE REPL	3/20/14	15	\$ 7,851	\$ 6,107	\$ 8,901	\$ 6,923
5000	Water Treatment Plants	500246	LAS GALLINAS CLARIFIER ACCESS	9/1/14	15	\$ 37,053	\$ 29,642	\$ 42,004	\$ 33,603
5000	Water Treatment Plants	500247	LAS GALLINAS BIRD NETTING REPAIR	9/1/14	10	\$ 10,016	\$ 7,011	\$ 11,355	\$ 7,948
5000	Water Treatment Plants	500247	LAS GALLINAS BIRD NETTING REPAIR	9/1/14	10	\$ 2,694	\$ 1,886	\$ 3,054	\$ 2,138
5000	Water Treatment Plants	500248	SGTP FILTER INFLUENT SLUICE GATE	9/1/14	15	\$ 63,485	\$ 50,788	\$ 71,969	\$ 57,575
5000	Water Treatment Plants	500248	SGTP FILTER#4 INFLUENT SLUICE GATE	9/1/14	15	\$ 21,342	\$ 17,074	\$ 24,194	\$ 19,355
5000	Water Treatment Plants	500249	SGTP SURFACE WASH BACKFLOW PREVENTION	9/1/14	20	\$ 51,040	\$ 43,384	\$ 57,860	\$ 49,181
5000	Water Treatment Plants	500250	TREATMENT PLANT CHEMICAL FALL PROTECTION	9/1/14	10	\$ 9,506	\$ 6,654	\$ 10,776	\$ 7,543
5000	Water Treatment Plants	500251	BTPP BACKWASH RATE VALVE	9/1/14	15	\$ 85,588	\$ 68,471	\$ 97,026	\$ 77,621
5000	Water Treatment Plants	500252	LAS GALLINAS INFLUENT VALVE REPLACEMENT	9/1/14	15	\$ 6,949	\$ 5,559	\$ 7,877	\$ 6,302
5000	Water Treatment Plants	500253	BON TEMPE TRMT PLANT LANDSLIDE SLIDE INCLINOMETER	9/1/14	15	\$ 4,840	\$ 3,872	\$ 5,486	\$ 4,389
5000	Water Treatment Plants	500254	BTPP CWI ACCESS	9/1/14	20	\$ 2,271	\$ 1,930	\$ 2,574	\$ 2,188
5000	Water Treatment Plants	500255	LAS GALLINAS FILTER MEDIA REPLENISHMENT	9/1/14	10	\$ 9,671	\$ 10,964	\$ 10,964	\$ 7,675
5000	Water Treatment Plants	500256	SGTP POWDERED ACTIVATED CARBON	9/1/14	10	\$ 30,211	\$ 21,148	\$ 34,249	\$ 23,974
5000	Water Treatment Plants	500257	SGTP FILTER #3 UNDERDRAIN REPAIR	9/1/14	30	\$ 20,799	\$ 18,719	\$ 23,579	\$ 21,221
5000	Water Treatment Plants	500258	SGTP CARPET REPLACEMENT	9/1/14	10	\$ 3,690	\$ 2,583	\$ 4,183	\$ 2,928
5000	Water Treatment Plants	500259	SGTP SLUDGE BED MINOR IMPROVEMENT	9/1/14	30	\$ 273,848	\$ 246,463	\$ 310,444	\$ 279,399
5000	Water Treatment Plants	500259	SGTP SLUDGE BED REBUILD	9/1/14	30	\$ 70,476	\$ 63,820	\$ 79,894	\$ 72,348
5000	Water Treatment Plants	500260	BTPP SEPTIC SYSTEM REPAIR	9/1/14	15	\$ 138,437	\$ 110,749	\$ 156,937	\$ 125,549
5000	Water Treatment Plants	500261	CAUSTIC SODA CONTAINMENT IMPROVEMENT	9/1/14	15	\$ 24,974	\$ 19,979	\$ 28,311	\$ 22,649
5000	Water Treatment Plants	500262	SGTP FLOW METER	9/1/14	15	\$ 43,387	\$ 34,709	\$ 49,184	\$ 39,348
5000	Water Treatment Plants	500263	IPS HYPO TANK #1 REPLACEMENT	9/1/14	15	\$ 23,647	\$ 18,918	\$ 26,807	\$ 21,446
5000	Water Treatment Plants	500264	TREATMENT PLANT WQ LAB FUM HOOD REPLACEMENT	9/1/14	15	\$ 67,843	\$ 54,275	\$ 76,910	\$ 61,528
5000	Water Treatment Plants	500265	TREATMENT PLANT SURFACE SCATTER TURBIDIMNT REPL	9/1/14	15	\$ 47,395	\$ 37,916	\$ 53,729	\$ 42,983
5000	Water Treatment Plants	500266	BTPP CLARIFIER FLOC DRIVE GEARBOX	9/1/14	15	\$ 41,774	\$ 33,419	\$ 47,357	\$ 37,885
5000	Water Treatment Plants	500267	OPERATOR DOWN ALARM SYSTEM AT BTPP & SGTP	7/1/14	15	\$ 25,653	\$ 20,523	\$ 29,081	\$ 23,265
5000	Water Treatment Plants	500268	SGTP WASH WATER RETURN PUMPS	7/1/14	15	\$ 94,828	\$ 75,862	\$ 107,500	\$ 86,000
5000	Water Treatment Plants	500269	SGTP FILTER ISOLATION VALVES	7/1/14	15	\$ 110,168	\$ 88,135	\$ 124,891	\$ 99,913
5000	Water Treatment Plants	500270	TREATMENT PLANT WATER SOFTENERS REPLACEMENT	7/1/14	15	\$ 13,562	\$ 10,849	\$ 15,374	\$ 12,299
5000	Water Treatment Plants	500271	LAGUNITAS TP 1600 LOS GAMOS RECYCLED WATER STUDY	7/1/14	1	\$ 33,978	\$ -	\$ 38,519	\$ -
5000	Water Treatment Plants	500272	BON TEMPE TP RAW WATER METER REPLACEMENT	7/1/14	15	\$ 11,029	\$ 8,823	\$ 12,503	\$ 10,002
5000	Water Treatment Plants	500273	SGTP SODIUM HYPOCHLORITE CHEM METERING PUMP	7/1/14	20	\$ 80,820	\$ 68,697	\$ 91,620	\$ 77,877
5000	Water Treatment Plants	500274	BTPP SLUDGE PIPING IMPROVEMENT	7/1/14	40	\$ 1,817	\$ 1,681	\$ 2,060	\$ 1,906
5000	Water Treatment Plants	500275	LGTP HYPO PIPING INSTALLATION	7/1/14	40	\$ 2,560	\$ 2,368	\$ 2,902	\$ 2,685
5000	Water Treatment Plants	500276	SGTP ELECTRICAL SERVICE UPGRADE	7/1/14	15	\$ 2,102,669	\$ 1,769,801	\$ 2,383,659	\$ 2,006,307
5000	Water Treatment Plants	500277	BON TEMPE TREATMENT PLANT CLARIFIER COATING	4/1/15	15	\$ 49,525	\$ 42,097	\$ 54,862	\$ 46,633
5000	Water Treatment Plants	500278	SGTP N. MARIN LINE PUMP CONTROL VALVE-2 REPL	4/1/15	15	\$ 33,246	\$ 28,259	\$ 36,828	\$ 31,304
5000	Water Treatment Plants	500279	SGTP FLASH MIXER VFD REPLACEMENT	5/1/15	15	\$ 1,655	\$ 5,624	\$ 1,834	\$ 6,230
5000	Water Treatment Plants	500280	WATER TREATMENT PLANTS-MASTER PLAN	5/1/15	10	\$ 279,885	\$ 219,467	\$ 310,047	\$ 243,118
5000	Water Treatment Plants	500281	SGTP ZINC CHEMICAL ROOM REPAIRS	5/1/15	15	\$ 40,786	\$ 34,946	\$ 45,181	\$ 38,712
5000	Water Treatment Plants	500282	SGTP SLUDGE PUMP REPLACEMENT	2/29/16	30	\$ 27,452	\$ 26,156	\$ 29,519	\$ 28,125
5000	Water Treatment Plants	500283	SGTP VINYL FLOORING OPERATION & BREAK ROOM	6/30/17	10	\$ -	\$ 9,607	\$ -	\$ 9,947
5000 Water Treatment Plants Totals						\$ 46,916,967	\$ 17,255,605	\$ 131,316,378	\$ 26,355,314

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600000	"Distribution Mains 6" or 8"	1/1/80	75	\$ 216,583	\$ 103,185	\$ 743,783	\$ 354,353
6000	Transmission & Distrib.	600001	"Distribution Mains 6" or 8"	1/1/72	75	\$ 99,962	\$ 39,315	\$ 633,895	\$ 249,312
6000	Transmission & Distrib.	600002	Distribution Mains Fye 6/30/96	4/1/96	75	\$ 803,414	\$ 575,780	\$ 1,589,162	\$ 1,138,899
6000	Transmission & Distrib.	600003	Pipeline City Of Larkspur	1/1/79	75	\$ 145,136	\$ 70,626	\$ 537,262	\$ 261,441
6000	Transmission & Distrib.	600005	Distribution Mains Fye 6/30/96	6/30/96	75	\$ 586,363	\$ 422,181	\$ 1,159,833	\$ 835,079
6000	Transmission & Distrib.	600006	San Rafael Pipeline Replacement	6/30/97	75	\$ 692,673	\$ 507,960	\$ 1,321,669	\$ 969,223
6000	Transmission & Distrib.	600007	"Distribution Mains 6" or 8"	1/1/54	75	\$ 172,123	\$ 26,376	\$ 3,046,801	\$ 466,893
6000	Transmission & Distrib.	600008	"Distribution Mains 6" or 8"	1/1/47	75	\$ 85,584	\$ -	\$ 2,303,594	\$ -
6000	Transmission & Distrib.	600009	91-92 Pipeline Replacement Progm	7/1/93	75	\$ 1,595,675	\$ 504,071	\$ 1,595,675	\$ 1,075,521
6000	Transmission & Distrib.	600010	1985/86 Additions	5/31/86	75	\$ 275,412	\$ 160,427	\$ 712,828	\$ 415,221
6000	Transmission & Distrib.	600012	Lucas Valley Pump Station	6/30/96	75	\$ 972,537	\$ 700,226	\$ 1,923,689	\$ 1,385,055
6000	Transmission & Distrib.	600013	1983/84 Additions	6/30/84	75	\$ 261,024	\$ 144,940	\$ 699,869	\$ 388,619
6000	Transmission & Distrib.	600014	"Distribution Mains 6" or 8"	1/1/79	75	\$ 115,048	\$ 56,124	\$ 425,881	\$ 207,760
6000	Transmission & Distrib.	600015	Ross/Greenbrae Line Replacement	7/1/93	75	\$ 273,758	\$ 185,786	\$ 584,109	\$ 396,407
6000	Transmission & Distrib.	600016	Dominican Area Phase II	7/1/98	75	\$ 738,263	\$ 551,262	\$ 1,386,292	\$ 1,035,146
6000	Transmission & Distrib.	600019	Lincoln Ave Area	5/1/99	75	\$ 904,310	\$ 685,294	\$ 1,659,133	\$ 1,257,306
6000	Transmission & Distrib.	600020	Soulajule Dam	1/1/79	75	\$ 86,733	\$ 42,216	\$ 321,066	\$ 156,274
6000	Transmission & Distrib.	600023	Distribution Mains Fye 6/30/96	9/30/95	75	\$ 460,681	\$ 327,084	\$ 936,048	\$ 664,595
6000	Transmission & Distrib.	600024	Fairfax Pipeline Replacement	6/30/97	75	\$ 639,782	\$ 469,174	\$ 1,220,749	\$ 895,217
6000	Transmission & Distrib.	600025	93-04 Rehab Phase 4	6/30/96	75	\$ 509,590	\$ 366,905	\$ 1,007,974	\$ 725,741
6000	Transmission & Distrib.	600028	Distribution Mains Fye 6/30/95	4/1/95	75	\$ 381,944	\$ 268,634	\$ 776,065	\$ 545,831
6000	Transmission & Distrib.	600029	"Distribution Mains 6" or 8"	1/1/53	75	\$ 225,162	\$ 30,854	\$ 4,171,664	\$ 571,695
6000	Transmission & Distrib.	600030	"Distribution Mains 6" or 8"	1/1/61	75	\$ 539,106	\$ 132,879	\$ 7,075,479	\$ 1,743,970
6000	Transmission & Distrib.	600031	"Distribution Mains 6" or 8"	1/1/48	75	\$ 474,807	\$ 28,861	\$ 11,449,370	\$ 695,957
6000	Transmission & Distrib.	600032	"Distribution Mains 6" or 8"	1/1/70	75	\$ 864,160	\$ 314,215	\$ 6,956,097	\$ 2,529,286
6000	Transmission & Distrib.	600033	"Distribution Mains 6" or 8"	1/1/68	75	\$ 740,306	\$ 251,342	\$ 7,125,158	\$ 2,419,066
6000	Transmission & Distrib.	600034	"Distribution Mains 6" or 8"	1/1/50	75	\$ 447,851	\$ 44,224	\$ 9,761,775	\$ 963,953
6000	Transmission & Distrib.	600035	1980-81 Additions	6/30/81	75	\$ 1,164,377	\$ 593,837	\$ 3,661,585	\$ 1,867,422
6000	Transmission & Distrib.	600036	Distribution Mains Fye 6/30/95	6/30/95	75	\$ 3,952,695	\$ 2,793,238	\$ 8,031,405	\$ 5,675,527
6000	Transmission & Distrib.	600037	"Distribution Mains 6" or 8"	1/1/65	75	\$ 1,213,309	\$ 363,896	\$ 13,890,479	\$ 4,166,033
6000	Transmission & Distrib.	600038	"Distribution Mains 6" or 8"	1/1/51	75	\$ 808,572	\$ 91,435	\$ 16,553,275	\$ 1,871,871
6000	Transmission & Distrib.	600039	"Distribution Mains 6" or 8"	1/1/63	75	\$ 985,266	\$ 270,984	\$ 12,156,083	\$ 3,343,362
6000	Transmission & Distrib.	600040	"Distribution Mains 6" or 8"	1/1/64	75	\$ 910,224	\$ 260,770	\$ 10,810,289	\$ 3,097,045
6000	Transmission & Distrib.	600041	"Distribution Mains 6" or 8"	1/1/76	75	\$ 1,342,081	\$ 599,160	\$ 6,213,715	\$ 2,774,060
6000	Transmission & Distrib.	600042	"Distribution Mains 6" or 8"	1/1/67	75	\$ 919,820	\$ 298,612	\$ 9,520,580	\$ 3,090,776
6000	Transmission & Distrib.	600043	1988/89 Additions	5/31/89	75	\$ 2,414,326	\$ 1,496,882	\$ 5,815,528	\$ 3,605,627
6000	Transmission & Distrib.	600044	1982/83 Additions	4/30/83	75	\$ 1,186,168	\$ 647,039	\$ 3,242,976	\$ 1,769,001
6000	Transmission & Distrib.	600045	"Distribution Mains 6" or 8"	1/1/55	75	\$ 327,550	\$ 54,590	\$ 5,516,950	\$ 919,460
6000	Transmission & Distrib.	600046	"Distribution Mains 6" or 8"	1/1/73	75	\$ 487,421	\$ 198,160	\$ 2,859,301	\$ 1,162,441
6000	Transmission & Distrib.	600047	Additions 1991/92	6/30/92	75	\$ 1,534,668	\$ 1,023,112	\$ 3,422,269	\$ 2,281,512
6000	Transmission & Distrib.	600048	"Distribution Mains 6" or 8"	1/1/71	75	\$ 405,053	\$ 151,948	\$ 2,848,030	\$ 1,068,389
6000	Transmission & Distrib.	600049	"Distribution Mains 6" or 8"	1/1/59	75	\$ 301,735	\$ 65,191	\$ 4,208,553	\$ 909,270
6000	Transmission & Distrib.	600050	"Distribution Mains 6" or 8"	1/1/49	75	\$ 182,742	\$ 15,835	\$ 4,258,782	\$ 369,034
6000	Transmission & Distrib.	600051	"Distribution Mains 6" or 8"	1/1/77	75	\$ 453,463	\$ 206,312	\$ 1,956,866	\$ 890,314
6000	Transmission & Distrib.	600052	"Distribution Mains 6" or 8"	1/1/56	75	\$ 420,076	\$ 75,608	\$ 6,748,175	\$ 1,214,581
6000	Transmission & Distrib.	600053	Additions 1990-1991	12/31/90	75	\$ 2,008,081	\$ 1,298,560	\$ 4,717,387	\$ 3,050,578
6000	Transmission & Distrib.	600054	"Distribution Mains 6" or 8"	1/1/52	75	\$ 398,698	\$ 50,455	\$ 7,789,276	\$ 985,733
6000	Transmission & Distrib.	600055	"Distribution Mains 6" or 8"	1/1/69	75	\$ 610,212	\$ 214,776	\$ 5,345,444	\$ 1,881,435
6000	Transmission & Distrib.	600056	1984/85 Additions	7/31/84	75	\$ 1,178,854	\$ 675,581	\$ 3,160,789	\$ 1,811,396
6000	Transmission & Distrib.	600057	Distrib Mains- Fy93 Addit	12/31/92	75	\$ 2,163,944	\$ 1,456,925	\$ 4,825,539	\$ 3,248,904
6000	Transmission & Distrib.	600058	Distribution Mains Fye 6/30/94	1/1/94	75	\$ 2,364,763	\$ 1,623,805	\$ 4,860,890	\$ 3,337,813

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600059	S9511	7/1/98	75	\$ 86,281	\$ 63,277	\$ 162,015	\$ 118,820
6000	Transmission & Distrib.	600060	San Anselmo Pipe Rplcmt	6/30/98	75	\$ 96,194	\$ 71,825	\$ 180,631	\$ 134,872
6000	Transmission & Distrib.	600061	95/96 Pipeline Replacement	1/1/00	75	\$ 611,973	\$ 469,213	\$ 1,093,547	\$ 838,445
6000	Transmission & Distrib.	600062	Protection Existing Pipe	7/1/98	75	\$ 91,240	\$ 68,129	\$ 171,328	\$ 127,930
6000	Transmission & Distrib.	600063	Sausalito Rehab Projec	1/1/00	75	\$ 540,521	\$ 414,621	\$ 965,868	\$ 740,894
6000	Transmission & Distrib.	600064	Cntr. Est. Pipe Loch Lomond 10 Phase 2	10/1/96	75	\$ 55,950	\$ 40,470	\$ 110,670	\$ 80,050
6000	Transmission & Distrib.	600065	Amecita-Mill Valley	10/30/98	75	\$ 92,956	\$ 69,822	\$ 174,550	\$ 131,111
6000	Transmission & Distrib.	600066	"Ralston Avenue, Mill Valley"	6/30/96	75	\$ 104,279	\$ 75,081	\$ 206,265	\$ 148,511
6000	Transmission & Distrib.	600067	95-96' Pipeline Replacement - Sausalito	6/30/97	75	\$ 233,656	\$ 90,681	\$ 235,944	\$ 173,025
6000	Transmission & Distrib.	600068	Bon Tempe Intake Piping	1/1/00	75	\$ 961,315	\$ 737,060	\$ 1,717,791	\$ 1,317,066
6000	Transmission & Distrib.	600069	"Bridgeway, Sausalito"	7/1/98	75	\$ 155,995	\$ 116,482	\$ 292,924	\$ 218,727
6000	Transmission & Distrib.	600070	"94-95' Rehab, Phase VI"	6/30/97	8	\$ 11,385	\$ -	\$ 21,723	\$ -
6000	Transmission & Distrib.	600071	95-96' Pipeline Replacement - Sausalito	6/30/97	75	\$ 85,022	\$ 62,349	\$ 162,228	\$ 118,966
6000	Transmission & Distrib.	600072	Tam View Knolls Pipeline	1/1/79	75	\$ 15,643	\$ 7,606	\$ 57,907	\$ 28,155
6000	Transmission & Distrib.	600073	Frustuck Valley Rd Ffx - Pipeline	7/1/97	75	\$ 53,729	\$ 39,402	\$ 102,519	\$ 75,181
6000	Transmission & Distrib.	600074	Relocate S.R. Pipeline	1/1/79	75	\$ 7,571	\$ 3,684	\$ 28,026	\$ 13,637
6000	Transmission & Distrib.	600075	Dominican Area Phase I	7/1/98	75	\$ 55,730	\$ 41,614	\$ 104,648	\$ 78,141
6000	Transmission & Distrib.	600076	TAMALPAIS AVENUE MILL VALLEY PRP	1/1/01	75	\$ 332,289	\$ 259,275	\$ 582,354	\$ 454,393
6000	Transmission & Distrib.	600077	Greenbrae Pipeline	1/1/79	75	\$ 6,957	\$ 3,383	\$ 25,753	\$ 12,523
6000	Transmission & Distrib.	600078	Willow Pastori Ave Ffx - Pipeline	7/1/97	75	\$ 38,268	\$ 28,063	\$ 73,018	\$ 53,546
6000	Transmission & Distrib.	600079	Tamalpias Drive Pipe Rp	1/1/00	75	\$ 296,113	\$ 227,036	\$ 529,130	\$ 405,695
6000	Transmission & Distrib.	600080	Kerner Blvd Pipe Rehab	7/1/97	75	\$ 36,351	\$ 26,657	\$ 69,360	\$ 50,864
6000	Transmission & Distrib.	600081	Corte Madera Avenue	8/1/01	75	\$ 429,706	\$ 335,688	\$ 753,082	\$ 588,310
6000	Transmission & Distrib.	600082	S9704	7/1/98	75	\$ 50,578	\$ 37,093	\$ 94,974	\$ 69,652
6000	Transmission & Distrib.	600083	Valley View & Fairh	1/1/01	75	\$ 398,165	\$ 310,605	\$ 697,803	\$ 544,351
6000	Transmission & Distrib.	600084	"Contr Est. - Shadow Creek, Fairfax"	10/1/96	75	\$ 40,650	\$ 29,404	\$ 80,406	\$ 58,161
6000	Transmission & Distrib.	600085	Hawthorne Drive	1/1/00	75	\$ 375,102	\$ 287,599	\$ 670,276	\$ 513,916
6000	Transmission & Distrib.	600086	Lucas Valley Road Line	7/1/97	75	\$ 43,907	\$ 32,199	\$ 83,778	\$ 61,438
6000	Transmission & Distrib.	600087	99/00 Pipe Rpls Pjc	1/1/00	75	\$ 348,761	\$ 267,402	\$ 623,207	\$ 477,826
6000	Transmission & Distrib.	600088	"Rose Avenue, Mill Valley"	6/30/96	75	\$ 110,212	\$ 79,352	\$ 218,001	\$ 156,959
6000	Transmission & Distrib.	600089	"Dominican Area Phase 1 - 6 & 8'" Dist. Mains"	6/30/98	75	\$ 501,302	\$ 374,023	\$ 941,331	\$ 702,331
6000	Transmission & Distrib.	600091	LGVRR Discharge Pipeline	6/30/94	75	\$ 207,134	\$ 143,382	\$ 425,775	\$ 294,730
6000	Transmission & Distrib.	600092	"Butterfield Road, San Anselmo - 12'" Pipe"	7/1/96	75	\$ 276,456	\$ 199,048	\$ 546,833	\$ 393,720
6000	Transmission & Distrib.	600093	"Oak Avenue, S.A. Pipe"	1/1/99	75	\$ 529,032	\$ 398,585	\$ 970,613	\$ 731,282
6000	Transmission & Distrib.	600094	Mill Valley Pipeline Rplcmt	6/30/98	75	\$ 285,463	\$ 213,146	\$ 536,035	\$ 400,239
6000	Transmission & Distrib.	600095	Harvard Drive Pipe Replace	11/13/98	75	\$ 446,273	\$ 335,435	\$ 838,000	\$ 629,871
6000	Transmission & Distrib.	600097	Sausalito Blvd. - Sausalito	9/30/96	75	\$ 278,466	\$ 194,926	\$ 764,072	\$ 552,680
6000	Transmission & Distrib.	600098	Distribution Mains Fye 6/30/95	1/1/95	75	\$ 386,283	\$ 279,412	\$ 655,809	\$ 496,066
6000	Transmission & Distrib.	600099	Larkspur Pipe Rplcmt	4/30/98	75	\$ 567,178	\$ 422,233	\$ 1,065,032	\$ 792,858
6000	Transmission & Distrib.	600100	Dominican Area Phase Iii - 6 & 8' Dist. Mains	6/30/98	75	\$ 541,719	\$ 404,424	\$ 1,017,225	\$ 759,417
6000	Transmission & Distrib.	600102	"Forrest Knolls Pipe Rplcmt - 6 To 8'"	6/30/98	75	\$ 307,048	\$ 220,885	\$ 576,567	\$ 414,773
6000	Transmission & Distrib.	600103	Distribution Mains Fye 6/30/96	1/1/96	75	\$ 182,355	\$ 130,081	\$ 360,700	\$ 247,301
6000	Transmission & Distrib.	600104	San Quentin Pipeline	6/30/97	75	\$ 179,668	\$ 127,623	\$ 342,819	\$ 253,514
6000	Transmission & Distrib.	600105	"Marie St, Sausalito Pipeline"	6/30/98	75	\$ 1,220,667	\$ 935,911	\$ 2,181,233	\$ 1,672,397
6000	Transmission & Distrib.	600107	Throckmorton Rdge-P	1/1/00	75	\$ 231,491	\$ 172,846	\$ 434,688	\$ 324,566
6000	Transmission & Distrib.	600108	Tiburon Supply Pipe	10/1/99	75	\$ 805,381	\$ 614,796	\$ 1,477,628	\$ 1,127,963
6000	Transmission & Distrib.	600109	Miller Ave Pipe Rpl	7/1/00	75	\$ 592,275	\$ 458,048	\$ 1,058,348	\$ 818,495
6000	Transmission & Distrib.	600110	Blithdale Area Pipe	7/1/00	75	\$ 557,519	\$ 431,169	\$ 996,242	\$ 770,464
6000	Transmission & Distrib.	600111	Tiburon Pipeline	1/1/79	75	\$ 41,113	\$ 20,011	\$ 152,191	\$ 74,077
6000	Transmission & Distrib.	600113	Fire Road Pressure System	1/1/99	75	\$ 330,629	\$ 249,105	\$ 606,604	\$ 457,032
6000	Transmission & Distrib.	600114	Civic Center Drive Pipe	6/30/96	75	\$ 156,071	\$ 112,273	\$ 308,711	\$ 222,077

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600115	"S9301, S9301H And S9301M"	7/1/98	75	\$ 193,899	\$ 142,201	\$ 364,098	\$ 267,021
6000	Transmission & Distrib.	600116	98-99 Pipe Rplcmnt Phase II	6/30/99	75	\$ 376,349	\$ 286,024	\$ 690,486	\$ 524,768
6000	Transmission & Distrib.	600117	"Lomita Avenue, M.V."	1/01/99	75	\$ 293,600	\$ 221,204	\$ 538,666	\$ 405,842
6000	Transmission & Distrib.	600118	1987/88 Additions	5/31/88	75	\$ 3,477,686	\$ 2,109,262	\$ 8,554,861	\$ 5,188,636
6000	Transmission & Distrib.	600119	Fireline - 1010 Northgate Drive	11/1/96	30	\$ 5,390	\$ 1,676	\$ 10,661	\$ 3,316
6000	Transmission & Distrib.	600120	"72 Kensington Road, San Anselmo - Fireline"	10/1/96	30	\$ 4,562	\$ 1,406	\$ 9,024	\$ 2,782
6000	Transmission & Distrib.	600121	Fireflow Mega Hydrant Project	7/1/96	30	\$ 4,493	\$ 1,348	\$ 8,887	\$ 2,666
6000	Transmission & Distrib.	600122	Mill Valley Outdoor Art Club - 4" Fireline Conne	10/31/97	20	\$ 1,902	\$ 32	\$ 3,629	\$ 61
6000	Transmission & Distrib.	600123	Mill Valley Fireline - Bell Lane	5/31/97	30	\$ 5,082	\$ 1,681	\$ 9,697	\$ 3,207
6000	Transmission & Distrib.	600124	"658 Goodhill Road, Kentfield - Fireline"	10/1/96	30	\$ 3,701	\$ 1,141	\$ 7,321	\$ 2,257
6000	Transmission & Distrib.	600125	"Contr Est. - Shadow Creek, Fairfax"	10/1/96	30	\$ 3,500	\$ 1,078	\$ 6,923	\$ 2,133
6000	Transmission & Distrib.	600126	Juvenile Hall Fireline	5/31/97	30	\$ 8,620	\$ 2,850	\$ 16,448	\$ 5,437
6000	Transmission & Distrib.	600127	Tiburon Library 4" Fireline Connection"	10/31/97	20	\$ 5,180	\$ 86	\$ 9,884	\$ 164
6000	Transmission & Distrib.	600128	"Hydrant - 802 Butte Street, Sausalito"	6/30/98	30	\$ 9,213	\$ 3,378	\$ 17,300	\$ 6,344
6000	Transmission & Distrib.	600129	1982/83 Additions	12/31/82	75	\$ 2,427	\$ 797	\$ 7,053	\$ 2,316
6000	Transmission & Distrib.	600130	Sausalito Fireline - 2000 Bridgeway	5/31/97	30	\$ 6,630	\$ 2,192	\$ 12,651	\$ 4,182
6000	Transmission & Distrib.	600131	94-95 Fireflow Upgrade- 30 Hydrants	2/1/97	30	\$ 5,941	\$ 1,898	\$ 11,336	\$ 3,621
6000	Transmission & Distrib.	600132	Town & Country Village - Hydrant	5/31/97	30	\$ 6,370	\$ 2,106	\$ 12,154	\$ 4,018
6000	Transmission & Distrib.	600133	"Hydrant - Shadow Creek, Fairfax"	10/1/96	30	\$ 3,353	\$ 1,034	\$ 6,632	\$ 2,045
6000	Transmission & Distrib.	600134	San Rafael Fireline - 93 Louise Street	5/31/97	30	\$ 2,429	\$ 802	\$ 4,635	\$ 1,531
6000	Transmission & Distrib.	600135	Hydrant - Loch Lomond 10 Phase 2	10/1/96	30	\$ 2,056	\$ 634	\$ 4,067	\$ 1,253
6000	Transmission & Distrib.	600136	Del Ganado Hydrant	5/1/00	30	\$ 52,977	\$ 22,667	\$ 94,666	\$ 40,504
6000	Transmission & Distrib.	600137	Fireflow Mega Hydrant Project	3/31/98	30	\$ 2,274	\$ 814	\$ 4,270	\$ 1,529
6000	Transmission & Distrib.	600138	Chanticleer-Larkspur	10/1/00	30	\$ 6,394	\$ 2,825	\$ 11,425	\$ 5,048
6000	Transmission & Distrib.	600139	South Eliseo Dr-Gre	1/1/01	30	\$ 9,110	\$ 4,101	\$ 15,966	\$ 7,188
6000	Transmission & Distrib.	600140	Reed Blvd At Carlot	1/1/01	30	\$ 7,148	\$ 3,219	\$ 12,527	\$ 5,641
6000	Transmission & Distrib.	600141	Purchase Hose Bridges Fireflow	6/30/96	30	\$ 3,121	\$ 937	\$ 6,173	\$ 1,852
6000	Transmission & Distrib.	600142	Upgrd Wharf Hyd - Mv	2/1/99	30	\$ 5,422	\$ 2,094	\$ 9,947	\$ 3,842
6000	Transmission & Distrib.	600143	"445 Greenwood Beach, Tiburon - Fireline"	1/1/97	30	\$ 2,720	\$ 861	\$ 5,190	\$ 1,643
6000	Transmission & Distrib.	600144	Sausalito Fireline - 100 Spinnaker Dr	5/31/97	30	\$ 2,908	\$ 961	\$ 5,549	\$ 1,834
6000	Transmission & Distrib.	600145	Juvenile Hall Fireline	5/31/97	30	\$ 2,825	\$ 934	\$ 5,390	\$ 1,783
6000	Transmission & Distrib.	600146	San Rafael Fireline - 95 Louis Street	5/31/97	30	\$ 2,643	\$ 873	\$ 5,043	\$ 1,667
6000	Transmission & Distrib.	600147	Mill Valley Fireline - 58 Madrone Park Circle	5/31/97	30	\$ 2,268	\$ 718	\$ 4,328	\$ 1,371
6000	Transmission & Distrib.	600148	"Fireline - 1351 Lincoln Ave., Sr"	9/1/96	30	\$ 11,201	\$ 3,423	\$ 22,156	\$ 6,771
6000	Transmission & Distrib.	600149	Hydrant Pipe Additions Fye 6/30/95	4/1/95	30	\$ 82,725	\$ 21,370	\$ 168,087	\$ 43,421
6000	Transmission & Distrib.	600150	Hydrant Pipe Additions Fye 6/30/96	4/1/96	30	\$ 93,128	\$ 27,163	\$ 184,208	\$ 53,728
6000	Transmission & Distrib.	600151	1983/84 Additions	6/30/84	75	\$ 41,253	\$ 14,546	\$ 110,609	\$ 39,002
6000	Transmission & Distrib.	600152	SGTP PS Switchboard Mod	4/30/98	30	\$ 135,328	\$ 48,868	\$ 254,115	\$ 91,763
6000	Transmission & Distrib.	600153	North View Phase I - San Rafael - Hydrant Pipeline	5/31/97	30	\$ 84,139	\$ 27,812	\$ 160,543	\$ 53,067
6000	Transmission & Distrib.	600154	1987-88 Additions	5/31/88	75	\$ 34,982	\$ 15,041	\$ 86,054	\$ 37,001
6000	Transmission & Distrib.	600155	Oakview School Subdiv. - Hydrant Pipeline	5/31/97	30	\$ 76,429	\$ 25,264	\$ 145,832	\$ 48,205
6000	Transmission & Distrib.	600156	Hydrant Pipe Additions Fye 6/30/94	1/1/94	15	\$ 346,291	\$ -	\$ 711,819	\$ -
6000	Transmission & Distrib.	600157	1984/85 Additions	7/31/84	75	\$ 314,619	\$ 121,096	\$ 843,569	\$ 324,688
6000	Transmission & Distrib.	600158	Fireflow Mega Hydrant Project	6/30/96	30	\$ 512,707	\$ 153,812	\$ 1,014,140	\$ 304,242
6000	Transmission & Distrib.	600159	Hydrants-Fy 1993 Additns	8/31/92	15	\$ 97,312	\$ -	\$ 217,003	\$ -
6000	Transmission & Distrib.	600160	Hydrant Pipe Additions Fye 6/30/96	9/30/95	30	\$ 270,683	\$ 74,438	\$ 549,996	\$ 151,248
6000	Transmission & Distrib.	600161	1990-1991 Additions	6/30/91	75	\$ 136,506	\$ 67,733	\$ 313,848	\$ 155,728
6000	Transmission & Distrib.	600162	1988/89 Additions	5/31/89	75	\$ 85,128	\$ 38,308	\$ 205,053	\$ 92,274
6000	Transmission & Distrib.	600163	1986/87 Additions	3/31/87	75	\$ 28,383	\$ 11,563	\$ 71,611	\$ 29,173
6000	Transmission & Distrib.	600164	Redwood Hills - San Anselmo - Hydrant Pipeline	5/31/97	30	\$ 36,491	\$ 12,063	\$ 69,627	\$ 23,017
6000	Transmission & Distrib.	600165	1989-90 Additions	6/30/90	75	\$ 19,945	\$ 9,519	\$ 46,856	\$ 22,361

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600166	Manor Creek Homes - Fairfax - Hydrant Pipeline	5/31/97	30	\$ 32,121	\$ 10,618	\$ 61,289	\$ 20,260
6000	Transmission & Distrib.	600167	Hydrant Pipe Additions Fye 6/30/95	6/30/95	30	\$ 16,724	\$ 4,460	\$ 33,981	\$ 9,063
6000	Transmission & Distrib.	600168	"Hydrant - Braun Court, Mill Valley"	6/30/98	30	\$ 22,609	\$ 8,290	\$ 42,455	\$ 15,567
6000	Transmission & Distrib.	600169	Additions 1991/92	6/30/92	75	\$ 7,799	\$ 4,062	\$ 17,392	\$ 9,057
6000	Transmission & Distrib.	600170	Corete Madera Fireline - 5830 Paradise Drive	5/31/97	30	\$ 13,633	\$ 4,507	\$ 26,013	\$ 8,600
6000	Transmission & Distrib.	600171	Hydrant Pipe Additions Fye 6/30/96	1/1/96	30	\$ 45,562	\$ 12,909	\$ 90,122	\$ 25,535
6000	Transmission & Distrib.	600172	1981/82 Additions	6/30/82	75	\$ 16,798	\$ 5,374	\$ 48,820	\$ 15,618
6000	Transmission & Distrib.	600173	Sky Road - Tiburon - Hydrant Pipeline	5/31/97	30	\$ 52,839	\$ 17,466	\$ 100,821	\$ 33,327
6000	Transmission & Distrib.	600174	95-96 Hydrant Installations	2/1/97	30	\$ 48,019	\$ 15,339	\$ 91,624	\$ 29,268
6000	Transmission & Distrib.	600175	1985/86 Additions	2/28/86	75	\$ 21,058	\$ 8,214	\$ 54,502	\$ 21,258
6000	Transmission & Distrib.	600176	Fireflow Mega Hydrant Project	12/1/96	30	\$ 37,982	\$ 11,922	\$ 75,129	\$ 23,583
6000	Transmission & Distrib.	600177	Wellesley Ave. - Mill Valley - Hydrant Pipeline	5/31/97	30	\$ 38,231	\$ 12,638	\$ 72,947	\$ 24,114
6000	Transmission & Distrib.	600178	Smith Saddle Tank Protect	1/1/70	15	\$ 2,489	\$ -	\$ 20,035	\$ -
6000	Transmission & Distrib.	600179	85/86 Corrosion Test St	11/30/86	15	\$ 2,500	\$ -	\$ 6,471	\$ -
6000	Transmission & Distrib.	600180	Catholic Protection Of Existing Structures	6/30/97	15	\$ 7,819	\$ -	\$ 14,919	\$ -
6000	Transmission & Distrib.	600181	Nicasio Lake Inlet Twr Prctn	1/1/75	15	\$ 2,024	\$ -	\$ 10,172	\$ -
6000	Transmission & Distrib.	600182	Rectifier Anode Replacement	4/1/96	15	\$ 4,344	\$ -	\$ 8,592	\$ -
6000	Transmission & Distrib.	600183	Chdc Prctn Of Site	2/1/00	20	\$ 83,797	\$ 10,213	\$ 149,738	\$ 18,251
6000	Transmission & Distrib.	600184	Corrosion Test Stat	3/1/01	20	\$ 77,552	\$ 14,225	\$ 135,913	\$ 24,931
6000	Transmission & Distrib.	600185	Rectifier Anode Replacement	6/30/95	15	\$ 14,145	\$ -	\$ 28,741	\$ -
6000	Transmission & Distrib.	600186	Soulajule Tower Cp	6/30/91	75	\$ 20,324	\$ 7,825	\$ 46,728	\$ 17,990
6000	Transmission & Distrib.	600187	Kent Pump Cath Protection	7/31/84	15	\$ 4,969	\$ -	\$ 13,323	\$ -
6000	Transmission & Distrib.	600188	Catholic Protection Of Gtp	9/1/00	20	\$ 96,018	\$ 15,231	\$ 171,576	\$ 27,217
6000	Transmission & Distrib.	600189	Rectifier Anode Replacement	6/30/97	15	\$ 12,999	\$ -	\$ 24,803	\$ -
6000	Transmission & Distrib.	600190	Chemical Protect & Container	6/30/94	15	\$ 6,050	\$ -	\$ 12,436	\$ -
6000	Transmission & Distrib.	600191	Rectifier Anode Rep	6/30/98	15	\$ 13,248	\$ -	\$ 24,877	\$ -
6000	Transmission & Distrib.	600192	"Distribution Mains 6"" or 8""	7/1/99	20	\$ 12,716	\$ 1,271	\$ 23,330	\$ 2,332
6000	Transmission & Distrib.	600193	"Distribution Mains 6"" or 8""	1/1/74	75	\$ 2,059,159	\$ 863,857	\$ 11,331,918	\$ 4,753,962
6000	Transmission & Distrib.	600194	"Distribution Mains 6"" or 8""	1/1/57	75	\$ 1,194,129	\$ 230,458	\$ 18,334,857	\$ 3,538,487
6000	Transmission & Distrib.	600195	"Distribution Mains 6"" or 8""	1/1/58	75	\$ 1,148,213	\$ 237,140	\$ 16,816,890	\$ 3,473,191
6000	Transmission & Distrib.	600196	1981/82 Additions	6/30/82	75	\$ 2,426,300	\$ 1,270,387	\$ 7,051,442	\$ 3,692,066
6000	Transmission & Distrib.	600197	"Distribution Mains 6"" or 8""	1/1/75	75	\$ 1,853,110	\$ 803,009	\$ 9,312,817	\$ 4,035,525
6000	Transmission & Distrib.	600198	"Distribution Mains 6"" or 8""	1/1/60	75	\$ 1,100,290	\$ 256,483	\$ 14,843,796	\$ 3,460,159
6000	Transmission & Distrib.	600199	"Distribution Mains 6"" or 8""	1/1/66	75	\$ 1,341,827	\$ 418,900	\$ 14,638,192	\$ 4,569,836
6000	Transmission & Distrib.	600200	Rectifier Anode Rep	1/1/01	20	\$ 21,836	\$ 3,829	\$ 38,269	\$ 6,711
6000	Transmission & Distrib.	600201	Hot Cathodic Protec	7/1/99	20	\$ 4,356	\$ 435	\$ 7,993	\$ 799
6000	Transmission & Distrib.	600202	La Goma St-Mill Val	1/1/01	20	\$ 3,790	\$ 665	\$ 6,643	\$ 1,166
6000	Transmission & Distrib.	600203	"Distribution Mains 6"" or 8""	1/1/62	75	\$ 2,622,546	\$ 681,424	\$ 33,432,704	\$ 8,686,916
6000	Transmission & Distrib.	600204	1989-90 Additions	6/30/90	75	\$ 5,892,226	\$ 3,758,756	\$ 13,842,024	\$ 8,830,074
6000	Transmission & Distrib.	600205	"Distribution Mains 6"" or 8""	1/1/78	75	\$ 2,697,436	\$ 1,274,338	\$ 10,801,812	\$ 5,103,053
6000	Transmission & Distrib.	600206	1986/87 Additions	5/31/87	75	\$ 3,837,618	\$ 2,262,626	\$ 9,682,381	\$ 5,708,646
6000	Transmission & Distrib.	600207	CP Pipelines	6/30/91	75	\$ 30,494	\$ 11,741	\$ 70,110	\$ 26,994
6000	Transmission & Distrib.	600208	Corrosn Test Stn Rehab	12/31/92	15	\$ 63,147	\$ -	\$ 140,816	\$ -
6000	Transmission & Distrib.	600209	86/87 Corrosion Test St	5/31/87	15	\$ 38,128	\$ -	\$ 96,198	\$ -
6000	Transmission & Distrib.	600210	Corrosion Test Station Rehab	6/30/94	15	\$ 71,283	\$ -	\$ 146,526	\$ -
6000	Transmission & Distrib.	600211	Catholic Protect Other Facilities	6/30/94	15	\$ 68,579	\$ -	\$ 140,968	\$ -
6000	Transmission & Distrib.	600212	C.P. System Corrections	6/30/96	15	\$ 93,447	\$ -	\$ 184,839	\$ -
6000	Transmission & Distrib.	600213	Corrosion Test Stn Rehab	5/31/89	15	\$ 38,709	\$ -	\$ 93,241	\$ -
6000	Transmission & Distrib.	600214	Corrosion Test St 87-88	5/31/88	15	\$ 33,888	\$ -	\$ 83,362	\$ -
6000	Transmission & Distrib.	600215	635 Adrian Way-S.R.-Hydr	1/1/01	30	\$ 5,750	\$ 2,588	\$ 10,077	\$ 4,536
6000	Transmission & Distrib.	600216	17 Onyx Court-Latks	12/1/00	30	\$ 3,392	\$ 1,518	\$ 6,061	\$ 2,712

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600217	Chemical Protection & Containers	7/1/96	15	\$ 2,482,183	\$ -	\$ 4,909,784	\$ -
6000	Transmission & Distrib.	600218	Catholic Protection Of Existing Tanks	6/30/97	15	\$ 197,171	\$ -	\$ 376,216	\$ -
6000	Transmission & Distrib.	600219	90-91 Corrosion Test Sta	12/31/90	15	\$ 69,874	\$ -	\$ 164,148	\$ -
6000	Transmission & Distrib.	600220	Corrosion Tst Stn Rehab	6/30/90	15	\$ 64,548	\$ -	\$ 151,636	\$ -
6000	Transmission & Distrib.	600221	1991/92 C.T.S. Rehab	6/30/92	15	\$ 63,217	\$ -	\$ 140,972	\$ -
6000	Transmission & Distrib.	600222	Catholic Protection System Repair	4/30/94	15	\$ 57,348	\$ -	\$ 117,882	\$ -
6000	Transmission & Distrib.	600223	Catholic Protection System	6/30/95	15	\$ 45,724	\$ -	\$ 92,906	\$ -
6000	Transmission & Distrib.	600224	Corrosion Control Test Sta	7/1/98	15	\$ 70,675	\$ -	\$ 132,711	\$ -
6000	Transmission & Distrib.	600225	C.P System Repair	12/31/92	15	\$ 24,438	\$ -	\$ 54,496	\$ -
6000	Transmission & Distrib.	600226	Soulajule Pump	11/30/90	15	\$ 16,204	\$ -	\$ 38,066	\$ -
6000	Transmission & Distrib.	600227	Corrosion Test Stn Rehab	1/1/99	15	\$ 67,762	\$ -	\$ 124,323	\$ -
6000	Transmission & Distrib.	600228	Ross-Greenbrae Line	1/1/75	15	\$ 9,492	\$ -	\$ 47,702	\$ -
6000	Transmission & Distrib.	600229	SML @ Elinor Ave Pump	6/30/87	15	\$ 8,428	\$ -	\$ 21,264	\$ -
6000	Transmission & Distrib.	600230	85/86 Corrosion Test St	8/31/86	15	\$ 25,510	\$ -	\$ 66,026	\$ -
6000	Transmission & Distrib.	600231	84/85 Corrosion Test St	8/31/86	15	\$ 24,384	\$ -	\$ 63,111	\$ -
6000	Transmission & Distrib.	600232	Prtctn Of Existing Pipes	6/1/99	15	\$ 161,308	\$ -	\$ 295,951	\$ -
6000	Transmission & Distrib.	600233	Chtdc Prctn Systm Corr	2/1/99	15	\$ 132,793	\$ -	\$ 243,635	\$ -
6000	Transmission & Distrib.	600234	Steel Tanks C.P.	1/31/91	15	\$ 30,610	\$ -	\$ 70,377	\$ -
6000	Transmission & Distrib.	600235	System Corrections Project	6/30/98	15	\$ 103,592	\$ -	\$ 194,522	\$ -
6000	Transmission & Distrib.	600236	Corrosion Test Station Rehab - 96/97	6/30/97	15	\$ 73,181	\$ -	\$ 139,635	\$ -
6000	Transmission & Distrib.	600237	Montecito Area Pipe	3/1/01	75	\$ 438,369	\$ 343,148	\$ 768,263	\$ 601,384
6000	Transmission & Distrib.	600238	Blithedale Highlands M.V.	6/30/91	75	\$ 230,518	\$ 150,604	\$ 529,997	\$ 346,262
6000	Transmission & Distrib.	600239	Harb Design	12/31/92	75	\$ 258,978	\$ 174,378	\$ 577,514	\$ 388,859
6000	Transmission & Distrib.	600240	Tiburon Blvd Transmn Line	7/1/92	75	\$ 234,130	\$ 156,086	\$ 522,104	\$ 348,068
6000	Transmission & Distrib.	600241	Meadowcreek Station C.M.	6/30/91	75	\$ 206,401	\$ 134,849	\$ 474,548	\$ 310,039
6000	Transmission & Distrib.	600242	Cascade Dr - Mill Valley	5/31/88	75	\$ 158,415	\$ 97,162	\$ 389,690	\$ 239,011
6000	Transmission & Distrib.	600243	Waldo Interchange Pipe	6/30/94	75	\$ 254,384	\$ 172,980	\$ 522,899	\$ 355,570
6000	Transmission & Distrib.	600244	NMWD Interlie Imprvmts	5/31/89	75	\$ 85,951	\$ 28,793	\$ 207,035	\$ 69,355
6000	Transmission & Distrib.	600245	Smith Ranch Home li S.R.	6/30/90	75	\$ 252,857	\$ 161,830	\$ 594,012	\$ 380,172
6000	Transmission & Distrib.	600246	Hi P Press Pipe-Belvedere	3/1/99	75	\$ 1,159,554	\$ 876,135	\$ 2,127,428	\$ 1,607,442
6000	Transmission & Distrib.	600248	Meadowcreek Stn - C.M.	5/31/88	75	\$ 201,978	\$ 123,880	\$ 496,852	\$ 304,737
6000	Transmission & Distrib.	600249	Fwl & Sausalito Line Replacement	11/1/95	75	\$ 452,040	\$ 321,214	\$ 918,491	\$ 652,668
6000	Transmission & Distrib.	600250	Ci Pipe Replacement-South	12/31/92	75	\$ 294,499	\$ 198,296	\$ 656,726	\$ 442,195
6000	Transmission & Distrib.	600251	"Alpine, Nevada, Sr. Rehab"	6/30/91	75	\$ 237,023	\$ 154,856	\$ 544,953	\$ 356,038
6000	Transmission & Distrib.	600252	Lucas Valley Estates 6 Sr	6/30/91	75	\$ 233,790	\$ 152,743	\$ 537,520	\$ 351,180
6000	Transmission & Distrib.	600253	"Larkspur Courts,Larkspur"	4/30/91	75	\$ 187,247	\$ 121,919	\$ 430,510	\$ 280,310
6000	Transmission & Distrib.	600254	Ignacio Interchange	6/30/84	75	\$ 82,887	\$ 45,866	\$ 222,240	\$ 122,979
6000	Transmission & Distrib.	600255	Alto Tank Down Line	8/1/75	75	\$ 46,748	\$ 20,015	\$ 234,932	\$ 100,586
6000	Transmission & Distrib.	600256	Madera Park Press System	6/30/85	75	\$ 40,921	\$ 9,617	\$ 108,437	\$ 25,484
6000	Transmission & Distrib.	600257	S. Marin Vacuum System	6/30/85	75	\$ 38,404	\$ 9,026	\$ 101,768	\$ 23,917
6000	Transmission & Distrib.	600258	"Marina Blv 12"" Trans Line"	1/1/78	75	\$ 51,850	\$ 20,431	\$ 172,851	\$ 81,816
6000	Transmission & Distrib.	600259	Mc Near Dr System	11/30/90	75	\$ 51,850	\$ 18,667	\$ 121,806	\$ 43,852
6000	Transmission & Distrib.	600260	1990 Valve Replacement	6/30/90	75	\$ 91,572	\$ 59,115	\$ 215,121	\$ 138,872
6000	Transmission & Distrib.	600261	Ross-Sausalito Transmission Line	3/31/94	75	\$ 255,209	\$ 176,094	\$ 524,595	\$ 361,971
6000	Transmission & Distrib.	600262	"Laurel Glen, San Rafael"	6/30/91	75	\$ 177,153	\$ 115,740	\$ 407,302	\$ 266,104
6000	Transmission & Distrib.	600263	Ross Sausalito Transmission Line	6/30/97	75	\$ 426,741	\$ 312,943	\$ 814,251	\$ 597,116
6000	Transmission & Distrib.	600264	"Bridgeway, Sausalito 16 & 12"" Pipe"	1/1/97	75	\$ 352,148	\$ 255,894	\$ 671,924	\$ 488,264
6000	Transmission & Distrib.	600265	B.T. Rehab Inlet/Supply Ln	6/30/84	75	\$ 49,931	\$ 10,488	\$ 133,877	\$ 28,121
6000	Transmission & Distrib.	600266	Abandonment Of Sugar Line	9/1/94	75	\$ 232,771	\$ 161,905	\$ 478,473	\$ 332,804
6000	Transmission & Distrib.	600266	Smith Saddle	1/1/70	75	\$ 49,632	\$ 18,193	\$ 399,515	\$ 146,444
6000	Transmission & Distrib.	600266	SMITH SADDLE TANK INTERIOR ANODE	3/31/11	20	\$ 15,795	\$ 10,267	\$ 19,359	\$ 12,583

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600267	Roxxi/Sausalito Transmission Line	6/30/96	75	\$ 556,716	\$ 400,835	\$ 1,101,190	\$ 792,856
6000	Transmission & Distrib.	600268	SF Drake Bl Sugar Ln Rpl	1/1/78	75	\$ 230,683	\$ 112,263	\$ 923,764	\$ 449,553
6000	Transmission & Distrib.	600269	Edgewood Dr - Mill Valley	5/31/88	75	\$ 383,367	\$ 235,130	\$ 943,056	\$ 578,403
6000	Transmission & Distrib.	600270	Green Glen Wy - M.V.	11/30/89	75	\$ 226,472	\$ 78,701	\$ 545,518	\$ 189,572
6000	Transmission & Distrib.	600271	Peacock Gap Imprv Dstrct	5/31/87	75	\$ 183,163	\$ 52,201	\$ 462,124	\$ 131,705
6000	Transmission & Distrib.	600272	"B, T, Rehab Inlet Sply Ln"	6/30/84	75	\$ 139,721	\$ 27,596	\$ 374,625	\$ 73,991
6000	Transmission & Distrib.	600273	C.I. Pipe Rehab San Rafael & Corte Madera	4/30/94	75	\$ 607,770	\$ 420,036	\$ 1,249,302	\$ 863,406
6000	Transmission & Distrib.	600274	Sugarline-S.Q. To Lrkspr	1/1/78	75	\$ 183,368	\$ 86,793	\$ 734,292	\$ 347,562
6000	Transmission & Distrib.	600275	Hamilton To Pacheco Pipeline	6/30/95	75	\$ 1,293,256	\$ 913,901	\$ 2,627,742	\$ 1,856,939
6000	Transmission & Distrib.	600276	Novato Bypass	12/31/91	75	\$ 709,708	\$ 468,408	\$ 1,631,730	\$ 1,076,942
6000	Transmission & Distrib.	600277	Marinwood Reclaimed Pipe	6/30/92	75	\$ 576,316	\$ 376,679	\$ 1,285,170	\$ 839,984
6000	Transmission & Distrib.	600278	Federal Works - So Pipe	6/30/90	75	\$ 514,463	\$ 329,255	\$ 1,208,577	\$ 773,486
6000	Transmission & Distrib.	600279	Northgate Reclaimed Pipe	6/30/91	75	\$ 554,580	\$ 362,327	\$ 1,275,066	\$ 833,045
6000	Transmission & Distrib.	600280	Civic Cntr No. Pipe	5/31/89	75	\$ 242,786	\$ 81,332	\$ 584,813	\$ 195,909
6000	Transmission & Distrib.	600281	"Ring Mountain, Tiburon"	8/31/90	75	\$ 482,699	\$ 310,000	\$ 1,133,957	\$ 728,253
6000	Transmission & Distrib.	600282	"Center Blvd. Pipe Relocation 18 "" & 24""	1/1/96	75	\$ 770,977	\$ 549,963	\$ 1,525,001	\$ 1,087,833
6000	Transmission & Distrib.	600283	Trans Line Kerner Sonoma	1/1/78	75	\$ 141,053	\$ 66,761	\$ 564,843	\$ 267,341
6000	Transmission & Distrib.	600284	N.San Pedro Rd Reclaimed	6/30/92	75	\$ 365,235	\$ 243,490	\$ 814,465	\$ 542,977
6000	Transmission & Distrib.	600285	Tiburon Pipe Installation	7/1/92	75	\$ 361,266	\$ 240,845	\$ 805,614	\$ 537,077
6000	Transmission & Distrib.	600286	"Andersen Drive, Pipeline - 18""	6/30/98	75	\$ 1,029,646	\$ 768,802	\$ 1,933,442	\$ 1,443,637
6000	Transmission & Distrib.	600287	CI Pipe Replacement-North	12/31/92	75	\$ 338,020	\$ 227,600	\$ 753,776	\$ 507,542
6000	Transmission & Distrib.	600288	Las Gamas Reclaimed	6/30/91	75	\$ 286,052	\$ 186,888	\$ 657,678	\$ 429,684
6000	Transmission & Distrib.	600289	Hamilton To Pacheco	6/30/96	75	\$ 566,467	\$ 407,856	\$ 1,120,478	\$ 806,743
6000	Transmission & Distrib.	600290	Wolfback Ridge Assess Dist.	6/1/97	75	\$ 1,037,134	\$ 759,413	\$ 1,978,925	\$ 1,449,013
6000	Transmission & Distrib.	600291	Center Blvd., Pipeline Replacement 18 & 24"" Pipe	2/1/97	75	\$ 895,164	\$ 651,480	\$ 1,708,036	\$ 1,243,069
6000	Transmission & Distrib.	600292	Freitas/Mitchell Reclaimed Piping	7/1/93	75	\$ 448,405	\$ 300,118	\$ 956,748	\$ 640,353
6000	Transmission & Distrib.	600293	Ross Reservoir	1/1/73	75	\$ 136,542	\$ 55,518	\$ 800,981	\$ 325,679
6000	Transmission & Distrib.	600294	Southern Marin Line	11/30/85	75	\$ 115,233	\$ 29,436	\$ 305,358	\$ 78,002
6000	Transmission & Distrib.	600295	Lucas Valley Est Unit I	11/30/88	75	\$ 292,048	\$ 181,069	\$ 718,417	\$ 445,418
6000	Transmission & Distrib.	600296	Peacock Gap Units 2A-S.R.	3/31/89	75	\$ 268,047	\$ 166,189	\$ 645,660	\$ 400,308
6000	Transmission & Distrib.	600297	Ross / Sausalito Transmission Line	3/31/98	75	\$ 5,542	\$ -	\$ 10,407	\$ -
6000	Transmission & Distrib.	600298	Fairfax Transmission Line	3/31/98	75	\$ 4,511	\$ 3,354	\$ 8,471	\$ 6,297
6000	Transmission & Distrib.	600299	Ross Sausalito Transmission Line	3/31/98	75	\$ 3,045	\$ 128	\$ 5,718	\$ 241
6000	Transmission & Distrib.	600300	Center Blvd., Pipeline Replacement 18 & 24"" Pipe	1/1/97	75	\$ 2,161	\$ 1,570	\$ 4,123	\$ 2,996
6000	Transmission & Distrib.	600301	Ross Sausalito Transms Line	4/30/98	75	\$ 2,900	\$ 2,158	\$ 5,446	\$ 4,053
6000	Transmission & Distrib.	600302	Smith Ranch Homes I S.R.	6/30/90	75	\$ 85,157	\$ 30,657	\$ 200,051	\$ 72,019
6000	Transmission & Distrib.	600303	Marin Lagoon - S.R.	6/30/90	75	\$ 62,809	\$ 22,612	\$ 147,551	\$ 53,119
6000	Transmission & Distrib.	600304	Phoenix By-Pass	6/1/77	75	\$ 2,603	\$ 1,210	\$ 11,233	\$ 5,220
6000	Transmission & Distrib.	600305	"Lomita Avenue, Mill Valley - 18"" Pipeline"	5/1/96	75	\$ 10,991	\$ 7,888	\$ 21,740	\$ 15,603
6000	Transmission & Distrib.	600306	Wolfback Ridge Acquisition	6/30/98	75	\$ 17,360	\$ 12,962	\$ 32,598	\$ 24,341
6000	Transmission & Distrib.	600307	Tamalpais Ave - Laurel Place	3/31/98	75	\$ 13,641	\$ 10,140	\$ 25,615	\$ 19,040
6000	Transmission & Distrib.	600308	Bridgeway Pipeline	3/31/98	75	\$ 8,300	\$ 6,169	\$ 15,586	\$ 11,585
6000	Transmission & Distrib.	600309	"Meadowsweet Drive, Corte Madera - 14"" Pipe"	7/1/96	75	\$ 4,510	\$ 3,247	\$ 8,921	\$ 6,422
6000	Transmission & Distrib.	600310	"Lomita Avenue, Mille Valley - 18"" Pipe"	6/30/90	75	\$ 3,884	\$ 2,796	\$ 7,683	\$ 5,531
6000	Transmission & Distrib.	600311	Smith Ranch Homes Ii	6/30/90	75	\$ 48,343	\$ 17,402	\$ 113,567	\$ 40,880
6000	Transmission & Distrib.	600312	Prf Cntr Tank Scour Line	11/1/75	75	\$ 24,800	\$ 11,022	\$ 124,633	\$ 55,393
6000	Transmission & Distrib.	600314	IWRMP - Measure V	2/1/97	75	\$ 82,990	\$ 60,398	\$ 158,351	\$ 115,243
6000	Transmission & Distrib.	600315	Lagunitas Crk Stream Gage	12/1/75	75	\$ 4,049	\$ -	\$ 20,348	\$ -
6000	Transmission & Distrib.	600316	Walker Crk Dam Investig'N	1/1/73	75	\$ 4,741	\$ 3,016	\$ 27,812	\$ 17,694
6000	Transmission & Distrib.	600317	Chapman Rese Prop Costs	1/1/70	75	\$ 7,749	\$ 4,977	\$ 62,376	\$ 40,059
6000	Transmission & Distrib.	600318	Bond Issue Costs	1/1/71	75	\$ 19,490	\$ 12,468	\$ 137,039	\$ 87,663

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600319	Reverse Osmosis Unit	3/28/77	75	\$ 10,352	\$ 101	\$ 44,673	\$ 434
6000	Transmission & Distrib.	600320	Micinnis Park Irrigation	3/28/77	75	\$ 4,843	\$ 49	\$ 20,899	\$ 213
6000	Transmission & Distrib.	600321	Storm Drain Offsets S.A. Ave.	7/1/97	75	\$ 6,183	\$ 3,306	\$ 11,798	\$ 6,308
6000	Transmission & Distrib.	600322	Intertie	6/30/76	75	\$ 1,315,447	\$ 596,346	\$ 6,090,405	\$ 2,761,031
6000	Transmission & Distrib.	600323	Parallw! So Marin Line	1/1/73	75	\$ 452,392	\$ 183,963	\$ 2,653,813	\$ 1,079,162
6000	Transmission & Distrib.	600324	Los Ranchitos Sply Line	1/1/77	75	\$ 293,051	\$ 134,825	\$ 1,264,627	\$ 581,823
6000	Transmission & Distrib.	600325	Santa Margarita Tank Bypass	10/1/76	75	\$ 52,205	\$ 23,850	\$ 241,705	\$ 110,423
6000	Transmission & Distrib.	600326	System Control- Fairfax	1/1/70	75	\$ 1,679	\$ 611	\$ 13,513	\$ 4,922
6000	Transmission & Distrib.	600327	Wolfback Ridge Acquisition	6/1/97	75	\$ 117,708	\$ 86,189	\$ 224,595	\$ 164,455
6000	Transmission & Distrib.	600328	SML Condition Survey	6/30/84	75	\$ 13,830	\$ 2,902	\$ 37,082	\$ 7,781
6000	Transmission & Distrib.	600329	Petaluma Trans Line	7/31/91	75	\$ 23,016	\$ 8,910	\$ 52,917	\$ 20,486
6000	Transmission & Distrib.	600330	92-93 Pipe Rehabilitation - Cap Interest	6/30/95	75	\$ 68,480	\$ 48,393	\$ 139,143	\$ 98,329
6000	Transmission & Distrib.	600331	Francisco Bl - S.R.	7/31/84	75	\$ 12,757	\$ 2,828	\$ 34,205	\$ 7,582
6000	Transmission & Distrib.	600332	Culvert Pipe - Nicolas Lk	6/30/90	75	\$ 16,276	\$ 5,859	\$ 38,236	\$ 13,765
6000	Transmission & Distrib.	600333	Soulajule Dam	1/1/79	75	\$ 14,739	\$ 7,166	\$ 54,560	\$ 26,526
6000	Transmission & Distrib.	600334	Pacheco To Lucas Valley Pipeline	3/31/98	75	\$ 295,013	\$ 219,293	\$ 553,968	\$ 411,782
6000	Transmission & Distrib.	600335	So Marin Line Mdfctn	6/30/82	75	\$ 26,744	\$ 5,210	\$ 77,725	\$ 15,143
6000	Transmission & Distrib.	600336	Southern Marin Line	1/1/70	75	\$ 21,894	\$ 8,036	\$ 176,234	\$ 64,689
6000	Transmission & Distrib.	600337	Bollinas Road	6/30/82	75	\$ 39,191	\$ 20,897	\$ 113,899	\$ 60,733
6000	Transmission & Distrib.	600338	East S.F. Drake Emergency Replacement	7/1/94	75	\$ 204,316	\$ 72,326	\$ 214,427	\$ 148,670
6000	Transmission & Distrib.	600339	La Cresta Dr - Greenbrae	5/31/86	75	\$ 6,283	\$ 6,283	\$ 57,059	\$ 16,263
6000	Transmission & Distrib.	600340	Madera Bl - Corte Madera	11/30/85	75	\$ 8,035	\$ 2,090	\$ 21,293	\$ 5,538
6000	Transmission & Distrib.	600341	Francisco Blvd - S.R.	12/31/82	75	\$ 9,377	\$ 1,665	\$ 27,252	\$ 4,840
6000	Transmission & Distrib.	600342	Fairfax Transmission Line - Capitalized Interest	6/30/97	75	\$ 38,973	\$ 28,580	\$ 74,363	\$ 54,532
6000	Transmission & Distrib.	600343	"Andersen Dr, Pipeline - 18"" - Cap. Int."	6/30/98	75	\$ 46,400	\$ 34,645	\$ 87,129	\$ 65,056
6000	Transmission & Distrib.	600344	Wolfback Ridge - Tank	6/1/97	75	\$ 31,255	\$ 22,885	\$ 59,637	\$ 43,667
6000	Transmission & Distrib.	600345	B.T. Lake Sply Line	6/30/83	75	\$ 5,740	\$ 3,134	\$ 15,693	\$ 8,527
6000	Transmission & Distrib.	600346	Fairfax Trs Line Pwr/Timtry	10/1/75	75	\$ 3,698	\$ 1,657	\$ 18,584	\$ 8,367
6000	Transmission & Distrib.	600347	"Meadowsweet, Corte Madera 14"" Pipe"	6/30/96	75	\$ 15,485	\$ 11,149	\$ 30,629	\$ 22,054
6000	Transmission & Distrib.	600348	Magnolia Ave - Larkspur	4/1/77	75	\$ 3,180	\$ 1,491	\$ 13,723	\$ 6,433
6000	Transmission & Distrib.	600349	"Ross / Sausalito Transmission Line - 24 & 6""	7/1/96	75	\$ 58,491	\$ 41,889	\$ 115,696	\$ 82,857
6000	Transmission & Distrib.	600350	"Andersen Drive, Pipeline"	7/1/98	75	\$ 94,698	\$ 70,711	\$ 177,822	\$ 132,779
6000	Transmission & Distrib.	600351	Novato Bypass Additional Costs	3/1/95	75	\$ 38,592	\$ 27,100	\$ 78,414	\$ 55,064
6000	Transmission & Distrib.	600352	Soulajule 76Bl/Job's Old J0625	6/30/81	75	\$ 11,818	\$ 6,061	\$ 37,164	\$ 19,059
6000	Transmission & Distrib.	600353	Eastwood Wy - Tam Valley	1/1/79	75	\$ 10,077	\$ 4,909	\$ 37,303	\$ 18,173
6000	Transmission & Distrib.	600354	Wolfback Ridge Assess Dist.	6/30/98	75	\$ 75,223	\$ 56,166	\$ 141,252	\$ 105,468
6000	Transmission & Distrib.	600355	"Center Road, Fairfax"	6/30/91	75	\$ 16,720	\$ 10,924	\$ 38,442	\$ 25,116
6000	Transmission & Distrib.	600356	Smith Ranch Road Reclaimed Pipe	7/1/93	75	\$ 1,152,660	\$ 769,840	\$ 2,459,396	\$ 1,642,585
6000	Transmission & Distrib.	600357	"Distribution Mains 6"" or 8""	6/30/79	75	\$ 2,408	\$ 1,189	\$ 8,914	\$ 4,402
6000	Transmission & Distrib.	600358	"4Th Street, San Rafael 12, 8 & 6"" Pipe"	2/1/97	75	\$ 11,099	\$ 8,077	\$ 21,178	\$ 15,412
6000	Transmission & Distrib.	600359	"Lomita Avenue, Mill Valley"	6/30/98	75	\$ 14,490	\$ 10,771	\$ 27,209	\$ 20,225
6000	Transmission & Distrib.	600360	"Forrest Knolls Pipe Rplcmnt - 6-8"" - Cap. Int"	6/30/98	75	\$ 15,666	\$ 11,697	\$ 29,417	\$ 21,964
6000	Transmission & Distrib.	600361	Ash Ave. Pipe Replace Kent	3/1/99	75	\$ 19,673	\$ 14,866	\$ 36,095	\$ 27,274
6000	Transmission & Distrib.	600362	Tamalpais Drive Pip	11/1/00	75	\$ 63,599	\$ 49,471	\$ 113,646	\$ 88,400
6000	Transmission & Distrib.	600363	5600 Paradise Drive-C.M.	7/1/98	75	\$ 17,646	\$ 13,309	\$ 33,135	\$ 24,990
6000	Transmission & Distrib.	600364	S9606	7/1/98	75	\$ 14,879	\$ 10,913	\$ 27,939	\$ 20,491
6000	Transmission & Distrib.	600365	Shoreline Hy Pipe R	9/1/00	75	\$ 70,828	\$ 54,937	\$ 126,564	\$ 98,168
6000	Transmission & Distrib.	600366	S9608	7/1/99	75	\$ 14,630	\$ 10,729	\$ 27,472	\$ 20,146
6000	Transmission & Distrib.	600367	Villa Ave Pipe-Relo	7/1/99	75	\$ 58,054	\$ 44,121	\$ 106,511	\$ 80,948
6000	Transmission & Distrib.	600368	"Rose Ave., Mill Valley - 6"" Pipe"	7/1/96	75	\$ 11,262	\$ 8,108	\$ 22,276	\$ 16,039
6000	Transmission & Distrib.	600369	Dom Hgts/Oak Wldd Sys Imps	7/1/98	75	\$ 18,316	\$ 13,677	\$ 34,394	\$ 25,682

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600370	"Acacia Avenue, Rehab 6" Pipe"	2/1/97	75	\$ 12,301	\$ 8,953	\$ 23,471	\$ 17,083
6000	Transmission & Distrib.	600371	S9702	7/1/98	75	\$ 10,553	\$ 7,739	\$ 19,816	\$ 14,531
6000	Transmission & Distrib.	600372	Bon Tempe Intake Ex	7/1/00	75	\$ 35,903	\$ 27,767	\$ 64,156	\$ 49,617
6000	Transmission & Distrib.	600373	"Arroyo Road, Lagunitas - 8" Pipe"	8/1/96	75	\$ 3,920	\$ 2,608	\$ 7,754	\$ 5,158
6000	Transmission & Distrib.	600374	"Ross Avenue, San An"	7/1/99	75	\$ 35,199	\$ 26,752	\$ 64,579	\$ 49,081
6000	Transmission & Distrib.	600375	Throckmorton Ave-M.	7/1/99	75	\$ 34,275	\$ 26,049	\$ 62,885	\$ 47,922
6000	Transmission & Distrib.	600376	Miraflores Ave.-S.R.	7/1/99	75	\$ 32,508	\$ 24,707	\$ 59,641	\$ 45,329
6000	Transmission & Distrib.	600377	Chester Ave Ffx - Pipeline	7/1/97	75	\$ 8,019	\$ 5,880	\$ 15,301	\$ 11,220
6000	Transmission & Distrib.	600378	"Merry Lane, Corte Madera - 4" Pipe"	1/1/97	75	\$ 11,524	\$ 8,504	\$ 13,282	\$ 9,651
6000	Transmission & Distrib.	600379	Fairfax Pipeline Rplcmnt	6/30/98	75	\$ 17,128	\$ 12,925	\$ 21,639	\$ 15,968
6000	Transmission & Distrib.	600380	Old Landing Rd Pipe Rplcmnt	2/1/99	75	\$ 8,205	\$ 5,908	\$ 31,425	\$ 23,714
6000	Transmission & Distrib.	600381	"Linden Avenue, Mill Valley - 6" Pipe"	7/1/96	75	\$ 81,941	\$ 63,921	\$ 162,330	\$ 116,855
6000	Transmission & Distrib.	600382	Pipe Rplcmnt - Cou	1/1/01	75	\$ 46,218	\$ 35,230	\$ 84,796	\$ 64,637
6000	Transmission & Distrib.	600383	95-96 Pipe Rpls-Red	9/1/99	75	\$ 37,946	\$ 29,346	\$ 67,806	\$ 52,439
6000	Transmission & Distrib.	600384	Sausalito Rehab Pro	7/1/00	75	\$ 41,995	\$ 32,011	\$ 77,048	\$ 58,730
6000	Transmission & Distrib.	600385	"Oak Avenue, S.A. Pt"	9/1/99	75	\$ 14,947	\$ 8,717	\$ 28,520	\$ 16,632
6000	Transmission & Distrib.	600386	"Mill Valley Tank Water Qlty Piping - 8" Pipe"	7/1/97	75	\$ 37,987	\$ 28,237	\$ 71,331	\$ 53,023
6000	Transmission & Distrib.	600387	Klare & Sierra Ave. Pipeline San Anselmo	3/31/98	75	\$ 36,114	\$ 26,845	\$ 67,814	\$ 50,408
6000	Transmission & Distrib.	600388	"Sausalito Blvd., Sausalito"	3/31/98	75	\$ 24,368	\$ 17,626	\$ 48,200	\$ 34,865
6000	Transmission & Distrib.	600389	Upsize Regulators	10/1/96	75	\$ 25,331	\$ 18,414	\$ 48,333	\$ 35,135
6000	Transmission & Distrib.	600390	"Homestead Ave., 8" W.S. Pipe"	2/1/97	75	\$ 217,473	\$ 169,649	\$ 381,132	\$ 297,318
6000	Transmission & Distrib.	600391	Redwood Rd & Cal Pa	1/1/01	75	\$ 102,112	\$ 70,987	\$ 182,465	\$ 126,849
6000	Transmission & Distrib.	600392	99/00 Pipe Rpls Pjc	7/1/00	75	\$ 22,015	\$ 15,924	\$ 43,546	\$ 31,497
6000	Transmission & Distrib.	600393	"6" Pipe - Shadow Creek, Fairfax"	10/1/96	75	\$ 212,098	\$ 162,460	\$ 389,136	\$ 298,065
6000	Transmission & Distrib.	600394	Dubois St Pipe Reha	11/1/99	75	\$ 27,404	\$ 19,731	\$ 54,205	\$ 39,028
6000	Transmission & Distrib.	600395	"1993-94 Rehab Phase Iv 8 & 6" Pipe"	7/1/96	75	\$ 31,002	\$ 22,563	\$ 59,154	\$ 43,052
6000	Transmission & Distrib.	600396	"Spruce Avenue, San Anselmo 6" Ws Pipe"	2/1/97	75	\$ 32,439	\$ 23,789	\$ 60,913	\$ 44,670
6000	Transmission & Distrib.	600397	S9607	7/1/98	75	\$ 27,315	\$ 19,758	\$ 54,029	\$ 39,081
6000	Transmission & Distrib.	600398	"6 & 8" Pipe - Loch Lomond 10 Phase 2"	10/1/96	75	\$ 258,867	\$ 198,478	\$ 462,575	\$ 354,665
6000	Transmission & Distrib.	600399	Ash Ave. Pipe Repla	1/1/00	75	\$ 5,689	\$ 2,766	\$ 21,059	\$ 10,241
6000	Transmission & Distrib.	600400	Schoonmaker Pt. - So Pipe	1/1/79	75	\$ 28,046	\$ 20,692	\$ 53,514	\$ 39,481
6000	Transmission & Distrib.	600401	"Baypoint Lagoons, Piping"	10/31/97	75	\$ 18,930	\$ 13,883	\$ 35,546	\$ 26,070
6000	Transmission & Distrib.	600402	S9606	7/1/98	75	\$ 208,296	\$ 162,938	\$ 365,048	\$ 285,557
6000	Transmission & Distrib.	600403	Cornelia Avenue Pip	3/1/01	75	\$ 14,560	\$ 10,581	\$ 27,782	\$ 20,189
6000	Transmission & Distrib.	600404	"Redwood Road, Corte Madera - 4" Pipe"	1/1/97	75	\$ 2,878	\$ 1,406	\$ 10,654	\$ 5,205
6000	Transmission & Distrib.	600405	Silen S.R. - Pipeline	1/1/79	75	\$ 15,930	\$ 11,684	\$ 29,913	\$ 21,939
6000	Transmission & Distrib.	600406	S9404	7/1/98	75	\$ 15,668	\$ 11,491	\$ 29,421	\$ 21,577
6000	Transmission & Distrib.	600407	S9602	7/1/98	75	\$ 15,668	\$ 11,491	\$ 29,421	\$ 21,577
6000	Transmission & Distrib.	600408	Dominican Area Phase Iii	7/1/98	75	\$ 155,467	\$ 120,931	\$ 277,806	\$ 216,094
6000	Transmission & Distrib.	600409	Canow St&Alvina-Pip	11/1/00	75	\$ 28,949	\$ 15,001	\$ 54,360	\$ 20,168
6000	Transmission & Distrib.	600410	San Anselmo Wtr Line Rlctn	11/1/98	75	\$ 142,716	\$ 109,105	\$ 261,840	\$ 200,174
6000	Transmission & Distrib.	600411	Mcinnis Golf Course	11/1/99	75	\$ 30,920	\$ 23,087	\$ 58,061	\$ 43,352
6000	Transmission & Distrib.	600412	Larkspur Pipe Rplcmnt - Cap. Int.	6/30/98	75	\$ 18,124	\$ 13,190	\$ 34,582	\$ 25,167
6000	Transmission & Distrib.	600413	"Butterfield Rd., S.A. Storm Drain Offsets"	2/1/97	75	\$ 10,192	\$ 6,965	\$ 21,746	\$ 14,860
6000	Transmission & Distrib.	600414	Hatch Covers (91)	9/30/93	75	\$ 19,678	\$ 14,432	\$ 36,951	\$ 27,100
6000	Transmission & Distrib.	600415	S9706	7/1/00	75	\$ 3,926	\$ 3,037	\$ 7,016	\$ 5,426
6000	Transmission & Distrib.	600416	Harvard Drive Pipe	7/1/00	75	\$ 3,679	\$ 2,845	\$ 6,573	\$ 5,083
6000	Transmission & Distrib.	600417	Hawthorne Dr/Rock H	7/1/00	75	\$ 7,393	\$ 5,668	\$ 13,211	\$ 10,128
6000	Transmission & Distrib.	600418	Harvard Drive Pipe	1/1/00	75	\$ 6,373	\$ 4,971	\$ 11,169	\$ 8,713
6000	Transmission & Distrib.	600419	Sausalito Pipeline	1/1/01	75	\$ 2,526	\$ 1,953	\$ 4,514	\$ 3,490
6000	Transmission & Distrib.	600420	Fire Road Pressure	7/1/00	75	\$	\$	\$	\$

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600421	95-96 Pipe Replc We	7/1/00	75	\$ 2,505	\$ 1,938	\$ 4,477	\$ 3,463
6000	Transmission & Distrib.	600422	Bridgeway Rehab	1/1/01	75	\$ 3,148	\$ 2,455	\$ 5,516	\$ 4,302
6000	Transmission & Distrib.	600423	Larkspur Pipe Replacement	6/30/99	75	\$ 3,432	\$ 2,608	\$ 6,297	\$ 4,784
6000	Transmission & Distrib.	600424	Lincoln Ave Area	1/1/00	75	\$ 12,820	\$ 9,829	\$ 22,909	\$ 17,564
6000	Transmission & Distrib.	600425	"Lomita Avenue, M.V."	1/1/00	75	\$ 12,798	\$ 9,812	\$ 22,869	\$ 17,533
6000	Transmission & Distrib.	600426	Butterfield & Arroy	1/1/01	75	\$ 12,426	\$ 9,693	\$ 21,777	\$ 16,987
6000	Transmission & Distrib.	600427	Valley Rd Pipe Repl	1/1/00	75	\$ 12,256	\$ 9,397	\$ 21,900	\$ 16,792
6000	Transmission & Distrib.	600428	Tank Recoating - St	7/1/99	75	\$ 6,098	\$ 4,635	\$ 11,188	\$ 8,504
6000	Transmission & Distrib.	600429	Andersen Drive Pipe	7/1/99	75	\$ 4,917	\$ 3,736	\$ 9,021	\$ 6,854
6000	Transmission & Distrib.	600430	Mill Valley Pipelin	1/1/01	75	\$ 2,488	\$ 1,941	\$ 4,360	\$ 3,402
6000	Transmission & Distrib.	600431	Magnolia Ave Rehab	6/30/92	75	\$ 1,305,139	\$ 535,107	\$ 2,910,426	\$ 1,193,275
6000	Transmission & Distrib.	600432	Fairfax Transmission Line	1/1/76	75	\$ 849,901	\$ 379,620	\$ 3,934,969	\$ 1,757,607
6000	Transmission & Distrib.	600433	Pacheco To Lucas Valley	6/30/96	75	\$ 2,504,094	\$ 1,802,947	\$ 4,953,125	\$ 3,566,249
6000	Transmission & Distrib.	600434	San Rafael Reclaimed Water Piping	4/30/94	75	\$ 1,698,895	\$ 1,174,125	\$ 3,492,166	\$ 2,413,474
6000	Transmission & Distrib.	600435	Terra Line Reclaimed Water	7/1/93	75	\$ 1,346,417	\$ 899,107	\$ 2,872,809	\$ 1,918,398
6000	Transmission & Distrib.	600436	Marin Lagoon - S.R.	4/30/90	75	\$ 443,808	\$ 159,770	\$ 1,042,595	\$ 375,332
6000	Transmission & Distrib.	600437	Lucas Valley Road Line	6/30/96	75	\$ 2,183,576	\$ 1,572,175	\$ 4,319,137	\$ 3,109,780
6000	Transmission & Distrib.	600438	Bridgeway-Sausalito	1/1/01	75	\$ 2,082	\$ 1,624	\$ 3,648	\$ 2,845
6000	Transmission & Distrib.	600439	San Anselmo Wtr Lin	1/1/00	75	\$ 2,167	\$ 1,662	\$ 3,872	\$ 2,969
6000	Transmission & Distrib.	600440	Dominican Area Phas	1/1/00	75	\$ 2,024	\$ 1,552	\$ 3,617	\$ 2,774
6000	Transmission & Distrib.	600441	1195 Meadow Crest D	6/30/01	75	\$ 13,954	\$ 10,977	\$ 24,455	\$ 19,238
6000	Transmission & Distrib.	600442	Blithdale Ave Pipe Rpls	6/30/00	75	\$ 749,160	\$ 579,350	\$ 1,338,688	\$ 1,035,251
6000	Transmission & Distrib.	600442	BLITHDALE PIPELINE REPLACEMENT	12/31/06	75	\$ 38,408	\$ 32,775	\$ 55,084	\$ 47,005
6000	Transmission & Distrib.	600443	Miller Ave Pipe Rpls	6/30/00	75	\$ 643,005	\$ 497,257	\$ 1,148,998	\$ 888,558
6000	Transmission & Distrib.	600444	Novato By-Pass Pipeline	7/1/93	75	\$ 6,126,700	\$ 4,099,364	\$ 13,072,355	\$ 8,746,689
6000	Transmission & Distrib.	600445	Tiburon Supply Pipe	7/1/00	75	\$ 7,530	\$ 5,824	\$ 13,456	\$ 10,407
6000	Transmission & Distrib.	600446	Capitalize Remaining Balanc	7/1/98	75	\$ 6,009	\$ 4,407	\$ 11,284	\$ 8,276
6000	Transmission & Distrib.	600447	"Fourth Street, San"	7/1/99	75	\$ 2,149	\$ 1,375	\$ 3,943	\$ 2,522
6000	Transmission & Distrib.	600448	"Myrtle Avenue, Mill Valley - 6"" Pipe"	7/1/96	75	\$ 4,668	\$ 3,361	\$ 9,233	\$ 6,648
6000	Transmission & Distrib.	600449	"Knoll Road, San Raf"	7/1/99	75	\$ 22,941	\$ 17,547	\$ 42,090	\$ 32,194
6000	Transmission & Distrib.	600450	"Butterfield Road, San Anselmo"	3/31/98	75	\$ 6,366	\$ 4,732	\$ 11,954	\$ 8,885
6000	Transmission & Distrib.	600451	"Eastman Avenue, Corte Madera - 4"" Pipe"	1/1/97	75	\$ 4,198	\$ 3,050	\$ 8,010	\$ 5,821
6000	Transmission & Distrib.	600452	Woodward Ave Pipeli	9/1/99	75	\$ 20,621	\$ 15,719	\$ 37,833	\$ 28,839
6000	Transmission & Distrib.	600453	Strawberry Pipe Replacemet	9/1/98	75	\$ 10,450	\$ 7,828	\$ 19,624	\$ 14,699
6000	Transmission & Distrib.	600454	98-99 Pipe Rplcmnt	1/1/00	75	\$ 57,761	\$ 44,287	\$ 103,215	\$ 79,137
6000	Transmission & Distrib.	600455	Marie St. Sausalito Pipe	7/1/98	75	\$ 9,536	\$ 7,121	\$ 17,907	\$ 13,371
6000	Transmission & Distrib.	600456	Mill Valley Pipeline Replc	7/1/98	75	\$ 9,318	\$ 6,958	\$ 17,497	\$ 13,066
6000	Transmission & Distrib.	600457	"Woodside Lane, Mill Valley"	3/31/98	75	\$ 8,185	\$ 6,084	\$ 15,370	\$ 11,424
6000	Transmission & Distrib.	600458	San Rafael Pipeline Replacement	3/31/98	75	\$ 7,010	\$ 5,211	\$ 13,163	\$ 9,785
6000	Transmission & Distrib.	600459	Ridgeway Ave. Fairfax - Pipeline	10/31/97	75	\$ 6,874	\$ 5,072	\$ 13,116	\$ 9,677
6000	Transmission & Distrib.	600460	"Willow Avenue & Rocklyn, Corte Madera - 8"" Pipe"	7/1/96	75	\$ 3,086	\$ 2,222	\$ 6,104	\$ 4,394
6000	Transmission & Distrib.	600461	"Shady Lane, Ross Pipe Rehab"	3/31/98	75	\$ 3,638	\$ 2,705	\$ 6,831	\$ 5,079
6000	Transmission & Distrib.	600462	Wolfback Ridge Aquisition	7/1/98	75	\$ 3,500	\$ 2,610	\$ 6,572	\$ 4,902
6000	Transmission & Distrib.	600463	Golf Street-S.R.-Pi	8/1/00	75	\$ 11,201	\$ 8,675	\$ 20,015	\$ 15,502
6000	Transmission & Distrib.	600464	R97141	7/1/98	75	\$ 2,573	\$ 1,888	\$ 4,832	\$ 3,546
6000	Transmission & Distrib.	600465	Lucas Valley Road Line	3/31/98	75	\$ 3,076	\$ 2,287	\$ 5,776	\$ 4,294
6000	Transmission & Distrib.	600466	Shoreline Center-S.	12/1/00	75	\$ 15,557	\$ 12,118	\$ 27,800	\$ 21,655
6000	Transmission & Distrib.	600467	98-99 Pipe Rplcmnt	7/1/00	75	\$ 8,366	\$ 6,470	\$ 14,949	\$ 11,561
6000	Transmission & Distrib.	600468	Fire Road Pressure	1/1/00	75	\$ 31,059	\$ 23,814	\$ 55,499	\$ 42,553
6000	Transmission & Distrib.	600469	W Oak Knoll Ave S.A	12/1/00	75	\$ 26,200	\$ 20,408	\$ 46,817	\$ 36,468
6000	Transmission & Distrib.	600470	Fairfax Pipeline Replacement	3/31/98	75	\$ 4,489	\$ 3,336	\$ 8,429	\$ 6,265

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600471	"Baypoint Lagoons, Hydrant Piping"	10/31/97	75	\$ 3,909	\$ 2,884	\$ 7,459	\$ 5,503
6000	Transmission & Distrib.	600472	Kings Way-Mill Vail	8/1/00	75	\$ 14,704	\$ 9,828	\$ 26,275	\$ 17,562
6000	Transmission & Distrib.	600473	Meadowcrest Dr Cort	1/1/00	75	\$ 27,156	\$ 20,820	\$ 48,525	\$ 37,205
6000	Transmission & Distrib.	600474	N Marin Line Air V1	4/1/00	75	\$ 57,002	\$ 43,895	\$ 101,859	\$ 78,437
6000	Transmission & Distrib.	600661	F01027 MORRISON ROAD PIPELINE RPLS PJCT	4/1/02	75	\$ 259,962	\$ 207,104	\$ 442,008	\$ 352,134
6000	Transmission & Distrib.	600663	"950 LAS GALLINAS AVE, SR HYD REL-CONST"	10/1/01	30	\$ 2,244	\$ 1,066	\$ 3,933	\$ 1,868
6000	Transmission & Distrib.	600664	262 SUMMIT AVE, MV - 80 LF-PIPE-CONST.	10/1/01	30	\$ 9,720	\$ 4,617	\$ 17,034	\$ 8,091
6000	Transmission & Distrib.	600667	440 GOLDEN GATE AVE-RELOC.-CONST.	10/1/01	30	\$ 4,386	\$ 2,083	\$ 7,686	\$ 3,651
6000	Transmission & Distrib.	600672	SUMMIT AVE / ETHEL AVE REPL.-CONST.	5/1/02	75	\$ 491,278	\$ 392,159	\$ 835,309	\$ 666,779
6000	Transmission & Distrib.	600673	OAKMONT&FAIRHILLS PIPELINE-CONST.	4/1/02	75	\$ 587,734	\$ 468,382	\$ 999,311	\$ 796,380
6000	Transmission & Distrib.	600674	CASCADE CANYON PIPELINE REPL.-CONST	6/1/02	75	\$ 858,577	\$ 686,263	\$ 1,459,820	\$ 1,166,838
6000	Transmission & Distrib.	600675	CASCADE CANYON PH 1 FFMP-CONSTR	9/1/01	75	\$ 376,193	\$ 296,914	\$ 659,296	\$ 520,357
6000	Transmission & Distrib.	600676	MARLIN AVE PIPELINE REPL.-CONST.	7/1/01	75	\$ 844,159	\$ 664,135	\$ 1,479,431	\$ 1,163,929
6000	Transmission & Distrib.	600677	BAY VIEW DR PIPELINE REPL.-CONST.	7/1/01	75	\$ 411,530	\$ 323,737	\$ 721,227	\$ 567,365
6000	Transmission & Distrib.	600678	BUENA VISTA PIPELINE REPL.-CONST.	8/1/01	75	\$ 940,079	\$ 740,681	\$ 1,647,535	\$ 1,298,080
6000	Transmission & Distrib.	600679	MAGNOLIA AVE OFFSET INST.-CONST.	8/1/01	75	\$ 72,191	\$ 56,892	\$ 126,518	\$ 99,707
6000	Transmission & Distrib.	600680	"CRESTA,DEL PRESIDIO, RECYCLED-CONST."	8/1/01	75	\$ 192,993	\$ 152,055	\$ 338,229	\$ 266,484
6000	Transmission & Distrib.	600681	BERNARD STREET,MILL VALLEY	12/1/01	75	\$ 41,537	\$ 26,809	\$ 72,796	\$ 46,984
6000	Transmission & Distrib.	600682	CORROSION TEST STA. REHAB.-CONSTRUCT	4/1/02	20	\$ 61,906	\$ 18,572	\$ 105,258	\$ 31,577
6000	Transmission & Distrib.	600685	CORTE MADERA AREA PRP (FIREFLOW)	8/1/01	75	\$ 5,639	\$ 4,504	\$ 9,883	\$ 7,893
6000	Transmission & Distrib.	600687	FIFTH AVE AT G ST. SR-HYDRANT INSTALLATION	12/1/01	75	\$ 6,914	\$ 4,390	\$ 12,117	\$ 7,694
6000	Transmission & Distrib.	600688	30, GLENSIDE DR, SR-HYDRANT INSTALLATION	12/1/01	75	\$ 4,840	\$ 3,073	\$ 8,482	\$ 5,386
6000	Transmission & Distrib.	600689	CROWN RD REGULATOR INSTALLATION	12/1/01	75	\$ 533,848	\$ 339,340	\$ 935,595	\$ 594,710
6000	Transmission & Distrib.	600690	HILLSIDE AVE, LABREA WY & N SAN PEDRO RD-PIPE REPL	12/1/01	75	\$ 394,441	\$ 250,470	\$ 691,277	\$ 438,961
6000	Transmission & Distrib.	600691	LAGOON RD, BV OFFSET INSTALLATION	12/1/01	75	\$ 61,271	\$ 40,439	\$ 107,380	\$ 70,871
6000	Transmission & Distrib.	600692	CREST FARM PIPELINE REPLACEMENT	12/1/01	75	\$ 380,762	\$ 241,835	\$ 667,304	\$ 423,827
6000	Transmission & Distrib.	600693	PT SAN PEDRO/LAURA LN PIPELINE REPLACEMENT	12/1/01	75	\$ 379,323	\$ 241,531	\$ 664,782	\$ 423,296
6000	Transmission & Distrib.	600694	CATHODIC PROTECTION SYSTEMS	12/1/01	75	\$ 153,538	\$ 97,497	\$ 269,083	\$ 170,868
6000	Transmission & Distrib.	600695	SAN ANSELMO OFFSETS PROJECT	12/1/01	75	\$ 40,503	\$ 25,719	\$ 70,983	\$ 45,074
6000	Transmission & Distrib.	600696	REGULATOR UPSIZING PROJECT	12/1/01	75	\$ 32,825	\$ 22,734	\$ 57,527	\$ 39,842
6000	Transmission & Distrib.	600698	SECOND STREET OFFSETS	12/1/01	75	\$ 10,225	\$ 6,803	\$ 17,921	\$ 11,923
6000	Transmission & Distrib.	600699	SPENCER AVE REGULATOR	12/1/01	75	\$ 27,631	\$ 18,352	\$ 48,425	\$ 32,162
6000	Transmission & Distrib.	600700	LOS RANCHITO@RED ROCK WY HYDRANT	12/1/01	75	\$ 11,991	\$ 7,889	\$ 21,014	\$ 13,826
6000	Transmission & Distrib.	600701	CLARK ST PIPELINE REPLACEMENT	12/1/01	75	\$ 72,647	\$ 46,131	\$ 127,317	\$ 80,847
6000	Transmission & Distrib.	600702	CRECIENTA LANE PIPE	12/1/01	75	\$ 32,730	\$ 20,784	\$ 57,361	\$ 36,424
6000	Transmission & Distrib.	600703	LARKSPUR ROAD OFFSETS	12/1/01	75	\$ 43,936	\$ 27,900	\$ 77,001	\$ 48,895
6000	Transmission & Distrib.	600704	RECTIFIER ANODE REPLACEMENT	12/1/01	75	\$ 15,916	\$ 10,446	\$ 27,893	\$ 18,307
6000	Transmission & Distrib.	600705	VAR PIPELINE CLOSED PROJECTS	12/1/01	75	\$ 205	\$ 130	\$ 359	\$ 228
6000	Transmission & Distrib.	600706	SANTA VENETIA HYD INSTALLATION	12/1/01	75	\$ 9,574	\$ 6,079	\$ 16,779	\$ 10,654
6000	Transmission & Distrib.	600707	SUMMIT DRIVE PIPELINE REPLACEMENT	12/1/01	75	\$ 13,431	\$ 8,528	\$ 23,538	\$ 14,946
6000	Transmission & Distrib.	600708	PROTECTION OF EXISTING PIPELINES	12/1/01	75	\$ 7,297	\$ 4,634	\$ 12,789	\$ 8,121
6000	Transmission & Distrib.	600709	SEISMIC DESIGN - VAR LOCATIONS	12/1/01	1	\$ 1,841	\$ -	\$ 3,227	\$ -
6000	Transmission & Distrib.	600710	UPPER TOYON PIPELINE REPLACEMENT	6/10/02	75	\$ 677,978	\$ 447,408	\$ 1,152,752	\$ 760,718
6000	Transmission & Distrib.	600711	HATZIC COURT REGULATOR	6/30/03	75	\$ 62,609	\$ 42,104	\$ 103,972	\$ 69,921
6000	Transmission & Distrib.	600712	BRET HARTE HEIGHTS PIPELINE REHABILITATION PJCT	9/3/02	75	\$ 236,423	\$ 156,042	\$ 401,985	\$ 265,315
6000	Transmission & Distrib.	600713	2001-02 CENTRAL SAN RAFAEL PIPELINE REHABILITATION	1/6/03	75	\$ 317,068	\$ 211,940	\$ 526,540	\$ 351,959
6000	Transmission & Distrib.	600714	IRWIN STREET OFFSETS	3/3/03	75	\$ 186,771	\$ 125,678	\$ 310,163	\$ 208,707
6000	Transmission & Distrib.	600715	FFMP SAN RAFAEL PIPELINE REPLACEMENTS	6/30/03	75	\$ 437,557	\$ 294,322	\$ 726,631	\$ 488,767
6000	Transmission & Distrib.	600716	FLAMINGO ROAD OFFSET-MILL VALLEY	3/16/03	75	\$ 26,017	\$ 17,524	\$ 43,205	\$ 29,101
6000	Transmission & Distrib.	600717	MARIN DRIVE FIRE HYDRANT	3/27/03	75	\$ 19,929	\$ 13,236	\$ 33,095	\$ 21,981
6000	Transmission & Distrib.	600718	WATT AVENUE PIPELINE REPLACEMENT PJCT	4/1/03	75	\$ 68,517	\$ 45,935	\$ 113,783	\$ 76,282

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600719	OAK MANOR TANK LINER REPAIR	11/17/02	75	\$ 49,915	\$ 33,360	\$ 84,870	\$ 56,721
6000	Transmission & Distrib.	600720	BRIDGEWAY PIPELINE REPLACEMENT PROJECT	4/1/03	75	\$ 515,806	\$ 344,741	\$ 856,576	\$ 572,495
6000	Transmission & Distrib.	600721	CONCRETE PIPE ROAD SLIDE MITIGATION	4/1/03	40	\$ 4,627,601	\$ 3,182,116	\$ 7,684,846	\$ 5,284,395
6000	Transmission & Distrib.	600722	2002-03 CORROSION TEST STATION REHABILITATION PJCT	4/1/03	75	\$ 78,840	\$ 53,184	\$ 130,925	\$ 88,320
6000	Transmission & Distrib.	600723	2002-03 RECTIFIER ANODE REPLACEMENT PROJECT	4/24/03	75	\$ 59,707	\$ 33,913	\$ 99,153	\$ 56,318
6000	Transmission & Distrib.	600724	CATHODIC PROTECTION SYSTEM CORRECTION PJCT	4/24/03	75	\$ 139,322	\$ 94,599	\$ 231,366	\$ 157,096
6000	Transmission & Distrib.	600725	BRIDGEWAY VALVE REPLACEMENT PJCT	5/29/03	75	\$ 32,344	\$ 22,070	\$ 53,713	\$ 36,650
6000	Transmission & Distrib.	600726	SENIC AVENUE REHABILITATION	7/10/02	75	\$ 44,141	\$ 29,133	\$ 75,053	\$ 49,535
6000	Transmission & Distrib.	600728	HAWTHORNE HILLS FFMP	9/27/02	75	\$ 6,934	\$ 4,620	\$ 11,790	\$ 7,855
6000	Transmission & Distrib.	600729	SPENCER AVENUE REGULATORS	9/27/02	75	\$ 1,366	\$ 910	\$ 2,323	\$ 1,548
6000	Transmission & Distrib.	600730	VALLEY VIEW & FAIRHILLS PIPELINE RPLS PJCT-FFMP	9/3/02	75	\$ 13,975	\$ 9,340	\$ 23,761	\$ 15,880
6000	Transmission & Distrib.	600733	PIPELINE REPLACEMENT PROJECT- COUNTY PAVING	11/13/02	75	\$ 785	\$ 525	\$ 1,335	\$ 892
6000	Transmission & Distrib.	600734	ROOF REPLACEMENT PHOENIX LAKE HOUSE	11/13/02	75	\$ 17,735	\$ 11,853	\$ 30,154	\$ 20,153
6000	Transmission & Distrib.	600735	HOOPER LANE OVERLAY	11/16/02	75	\$ 4,120	\$ 2,860	\$ 7,005	\$ 4,862
6000	Transmission & Distrib.	600736	LOMITA DRIVE PIPELINE REPLACEMENT PJCT-RETENTION	4/1/03	75	\$ 60,193	\$ 40,856	\$ 99,960	\$ 67,848
6000	Transmission & Distrib.	600737	HIGH MEADOW LANE, TIBURON	10/10/02	75	\$ 17,254	\$ 11,531	\$ 29,336	\$ 19,606
6000	Transmission & Distrib.	600738	PARADISE CAY NORTH, TIBURON	6/30/03	75	\$ 44,273	\$ 35,764	\$ 73,522	\$ 59,392
6000	Transmission & Distrib.	600740	CASCADE DRIVE PIPELINE REPLACEMENT PJCT	6/1/03	75	\$ 774,892	\$ 629,396	\$ 1,286,827	\$ 1,045,209
6000	Transmission & Distrib.	600741	FRENCH RANCH UNIT	6/1/03	75	\$ 116,101	\$ 94,311	\$ 192,804	\$ 156,618
6000	Transmission & Distrib.	600742	VISTA MARIN PIPELINE	6/1/03	75	\$ 70,562	\$ 57,321	\$ 117,179	\$ 95,191
6000	Transmission & Distrib.	600744	TWIN OAKS PIPELINE RPLS	6/1/03	75	\$ 225,424	\$ 183,096	\$ 374,351	\$ 304,059
6000	Transmission & Distrib.	600745	FRENCH RANCH UNIT 2 PIPELINE	6/1/03	75	\$ 32,481	\$ 26,385	\$ 53,939	\$ 43,816
6000	Transmission & Distrib.	600746	COUNTRY CLUB ESTATES, MILL VALLEY, PIPELINE	6/1/03	75	\$ 45,844	\$ 37,247	\$ 76,130	\$ 61,855
6000	Transmission & Distrib.	600747	CASCADE CANYON AREA PIPELINE RPLS PHASE 3	6/30/03	75	\$ 600,190	\$ 487,822	\$ 996,708	\$ 810,103
6000	Transmission & Distrib.	600749	MAR EAST STREET PIPELINE, TIBURON	8/31/03	75	\$ 14,287	\$ 11,636	\$ 23,725	\$ 19,323
6000	Transmission & Distrib.	600750	2001-02 MARIN PIPELINE REPLACEMENT	6/30/03	75	\$ 810,857	\$ 658,750	\$ 1,346,553	\$ 1,093,957
6000	Transmission & Distrib.	600751	2001-02 PIPELINE REPLACEMENT PJCT PHASE I	6/30/03	75	\$ 640,455	\$ 520,208	\$ 1,063,574	\$ 863,885
6000	Transmission & Distrib.	600752	LARKSPUR PIPELINE REPLACEMENT PJCT	6/30/03	75	\$ 617,688	\$ 501,802	\$ 1,025,767	\$ 833,320
6000	Transmission & Distrib.	600753	MILL VALLEY PIPELINE REPLACEMENT PJCT	6/30/03	75	\$ 553,361	\$ 449,531	\$ 918,941	\$ 746,515
6000	Transmission & Distrib.	600754	PHOENIX BY-PASS PIPELINE STABILIZATION PJCT	6/30/03	75	\$ 364,385	\$ 295,962	\$ 605,117	\$ 491,491
6000	Transmission & Distrib.	600755	2002-03 FFMP MILL VALLEY PIPELINE	6/30/03	75	\$ 819,563	\$ 666,321	\$ 1,361,011	\$ 1,106,529
6000	Transmission & Distrib.	600756	2002-03 KENT WOODLANDS FFMP PHASE I	6/30/03	75	\$ 781,996	\$ 635,333	\$ 1,298,625	\$ 1,055,069
6000	Transmission & Distrib.	600757	2001-02 KENT WOODLANDS FFMP PHASE II	6/30/03	75	\$ 840,504	\$ 683,043	\$ 1,395,786	\$ 1,134,298
6000	Transmission & Distrib.	600758	2001-02 CATHODIC PROTECTION SYSTEM CORRECTIONS	6/30/03	75	\$ 139,286	\$ 113,131	\$ 231,306	\$ 187,872
6000	Transmission & Distrib.	600759	2001-02 PIPELINE REPLACEMENT PJCT PHASE 2	6/30/03	75	\$ 484,975	\$ 394,039	\$ 805,376	\$ 654,363
6000	Transmission & Distrib.	600760	HIGH STREET PIPELINE REPLACEMENT PJCT	6/30/03	75	\$ 71,327	\$ 57,934	\$ 118,449	\$ 96,208
6000	Transmission & Distrib.	600761	MILLER PIPELINE REPLACEMENT	6/30/03	75	\$ 50,432	\$ 40,962	\$ 83,749	\$ 68,023
6000	Transmission & Distrib.	600762	675 DRAKE BOULEVARD FIRELINE, KENTFIELD	7/31/03	75	\$ 11,909	\$ 8,158	\$ 19,777	\$ 13,547
6000	Transmission & Distrib.	600763	YOSEMITE ROAD, SAN RAFAEL, 8" FL CONNECTION	8/31/03	75	\$ 4,163	\$ 2,860	\$ 6,913	\$ 4,750
6000	Transmission & Distrib.	600764	GLEN DRIVE LEAK REPAIR, SAUSALITO	8/31/03	75	\$ 9,806	\$ 6,750	\$ 16,284	\$ 11,209
6000	Transmission & Distrib.	600765	SANFRANCISCO BLVD, SAN ANSELMO -PIPELINE,	9/30/03	75	\$ 35,272	\$ 24,311	\$ 58,574	\$ 40,372
6000	Transmission & Distrib.	600767	SEMINARY RIDGE PHASE II	9/30/03	75	\$ 53,613	\$ 36,949	\$ 89,033	\$ 61,359
6000	Transmission & Distrib.	600768	1998-99 PIPELINE REPLACEMENT, PHASE III	8/31/03	75	\$ 12,107	\$ 8,428	\$ 20,105	\$ 13,996
6000	Transmission & Distrib.	600769	1998-99 PIPELINE REPLACEMENT, PHASE III	8/31/03	75	\$ 11,977	\$ 8,299	\$ 19,890	\$ 13,781
6000	Transmission & Distrib.	600772	BELVEDERE PLACE PIPELINE REPLACEMENT	9/23/03	75	\$ 32,386	\$ 22,325	\$ 53,782	\$ 37,074
6000	Transmission & Distrib.	600773	FFMP NORMAN WAY REGULATOR STATION & PIPELINE PJCT	2/29/04	75	\$ 88,093	\$ 60,574	\$ 137,635	\$ 94,640
6000	Transmission & Distrib.	600774	ROSS VALLEY PIPELINE REPLACEMENT PROJECT	2/29/04	75	\$ 504,622	\$ 348,960	\$ 788,418	\$ 545,212
6000	Transmission & Distrib.	600775	300 MILLER CREEK ROAD	7/31/03	75	\$ 4,771	\$ 3,268	\$ 7,923	\$ 5,427
6000	Transmission & Distrib.	600776	7 MARIPOSA ROAD-FL#08454	7/31/03	75	\$ 6,510	\$ 4,459	\$ 10,810	\$ 7,405
6000	Transmission & Distrib.	600777	789 REDWOOD HIGHWAY	7/31/03	75	\$ 7,916	\$ 5,422	\$ 13,145	\$ 9,004
6000	Transmission & Distrib.	600778	1360 LINCOLN AVENUE	7/31/03	75	\$ 3,987	\$ 2,731	\$ 6,621	\$ 4,535

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600779	250 STADIUM WAY	7/31/03	75	\$ 8,432	\$ 5,776	\$ 14,002	\$ 9,592
6000	Transmission & Distrib.	600780	2 TOMAHAWK LANE	7/31/03	75	\$ 10,404	\$ 7,126	\$ 17,277	\$ 11,834
6000	Transmission & Distrib.	600781	440 THIRD STREET, S.R.	7/31/03	75	\$ 7,247	\$ 4,964	\$ 12,034	\$ 8,243
6000	Transmission & Distrib.	600782	1600 MISSION AVENUE	7/31/03	75	\$ 3,141	\$ 2,152	\$ 5,217	\$ 3,574
6000	Transmission & Distrib.	600783	505 DRAKE BOULEVARD	7/31/03	75	\$ 3,793	\$ 2,598	\$ 6,299	\$ 4,315
6000	Transmission & Distrib.	600784	EAST FRANCISCO BLVD @ SHORELINE	7/11/03	75	\$ 5,089	\$ 3,486	\$ 8,450	\$ 5,788
6000	Transmission & Distrib.	600785	FOURTH STREET @ COURT STREET	7/11/03	75	\$ 20,681	\$ 14,166	\$ 34,344	\$ 23,526
6000	Transmission & Distrib.	600786	44 EAST BLITHDALE AVENUE, MILL VALLEY	7/11/03	75	\$ 3,671	\$ 2,514	\$ 6,096	\$ 4,176
6000	Transmission & Distrib.	600787	11 FIRST STREET, CORTE MADERA	8/31/03	75	\$ 6,781	\$ 4,786	\$ 11,261	\$ 7,948
6000	Transmission & Distrib.	600789	14 GREENFIELD AVENUE, S.A.	1/1/04	75	\$ 3,559	\$ 2,482	\$ 5,561	\$ 3,879
6000	Transmission & Distrib.	600790	18 BAYWOOD TERRACE, S.R.	12/31/03	75	\$ 2,396	\$ 1,670	\$ 3,979	\$ 2,773
6000	Transmission & Distrib.	600791	ALCATRAZ AVENUE	7/31/03	75	\$ 8,691	\$ 5,954	\$ 14,433	\$ 9,887
6000	Transmission & Distrib.	600792	FOURTH STREET PRP & FL	7/31/03	75	\$ 5,703	\$ 3,906	\$ 9,470	\$ 6,487
6000	Transmission & Distrib.	600793	STADIUM WAY, KENTFIELD-HYDRANT	7/31/03	75	\$ 11,373	\$ 7,791	\$ 18,887	\$ 12,938
6000	Transmission & Distrib.	600794	266 BEACH ROAD, BELVEDERE	3/31/04	75	\$ 4,873	\$ 3,420	\$ 7,614	\$ 5,343
6000	Transmission & Distrib.	600795	320 NOVA ALBION WAY, SAN RAFAEL	7/11/03	75	\$ 7,487	\$ 5,128	\$ 12,433	\$ 8,516
6000	Transmission & Distrib.	600796	FAIRVIEW AVENUE, CORTE MADERA PIPELINE	4/11/04	75	\$ 20,138	\$ 14,172	\$ 31,463	\$ 22,142
6000	Transmission & Distrib.	600798	135 E. SIR FRANCIS DRAKE BLVD	1/31/04	75	\$ 2,240	\$ 1,562	\$ 3,499	\$ 2,441
6000	Transmission & Distrib.	600799	CRESTHAVEN DRIVE, SAN RAFAEL	12/31/03	75	\$ 58,316	\$ 40,773	\$ 96,843	\$ 67,709
6000	Transmission & Distrib.	600800	135 EAST SIR FRANCIS DRAKE BLVD, LARKSPUR	7/31/03	75	\$ 15,051	\$ 10,310	\$ 24,995	\$ 17,122
6000	Transmission & Distrib.	600803	599 BRIDGEWAY, SAUSALITO	7/31/03	75	\$ 13,852	\$ 9,489	\$ 23,003	\$ 15,757
6000	Transmission & Distrib.	600804	1033 C STREET, SAN RAFAEL	12/31/03	75	\$ 4,969	\$ 3,455	\$ 8,251	\$ 5,738
6000	Transmission & Distrib.	600805	MORPHEW STREET, SAN RAFAEL	7/31/03	75	\$ 10,347	\$ 7,087	\$ 17,182	\$ 11,770
6000	Transmission & Distrib.	600806	NEIL CUMMINGS SCHOOL, LARKSPUR	3/1/04	75	\$ 7,993	\$ 5,475	\$ 13,273	\$ 9,092
6000	Transmission & Distrib.	600807	FOREST WAY PIPELINE EXTENSION, M.V.	5/31/04	75	\$ 45,461	\$ 31,855	\$ 71,029	\$ 49,770
6000	Transmission & Distrib.	600809	MIRACLE MILE VALVE & INSULATOR PROJECT	5/31/04	75	\$ 79,197	\$ 56,071	\$ 123,736	\$ 87,605
6000	Transmission & Distrib.	600810	NORTHVIEW PHASE II, SAN RAFAEL	5/31/04	75	\$ 63,389	\$ 48,742	\$ 99,038	\$ 69,905
6000	Transmission & Distrib.	600812	FAIRVIEW AVENUE, CORTE MADERA	5/31/04	75	\$ 69,188	\$ 48,835	\$ 108,098	\$ 76,299
6000	Transmission & Distrib.	600813	BLUE JAY WAY- PIPELINE & HYDRANTS	5/31/04	75	\$ 16,386	\$ 11,566	\$ 25,601	\$ 18,070
6000	Transmission & Distrib.	600815	ELM CREST PIPELINE, LARKSPUR	6/30/04	75	\$ 51,131	\$ 36,196	\$ 79,886	\$ 56,553
6000	Transmission & Distrib.	600815	ELM CREST PIPELINE, LARKSPUR	6/30/04	40	\$ 5,662	\$ 3,822	\$ 8,846	\$ 5,971
6000	Transmission & Distrib.	600818	ROSS VALLEY ESTATES, KENTFIELD- PIPELINE	6/30/04	75	\$ 57,546	\$ 36,454	\$ 89,909	\$ 56,995
6000	Transmission & Distrib.	600820	2002-03 PIPELINE PEPLS- WEST	6/30/04	75	\$ 211,903	\$ 150,419	\$ 331,076	\$ 235,013
6000	Transmission & Distrib.	600821	REDWOOD VILLAGE- PIPELINE	6/30/04	75	\$ 168,380	\$ 119,862	\$ 263,076	\$ 187,272
6000	Transmission & Distrib.	600824	2003-04 PIPELINE REPLS- NORTH	6/30/04	75	\$ 451,553	\$ 319,807	\$ 705,503	\$ 499,664
6000	Transmission & Distrib.	600825	119 LAUREL PLACE, SAN RAFAEL	7/11/04	75	\$ 6,907	\$ 4,904	\$ 10,792	\$ 7,662
6000	Transmission & Distrib.	600826	20 BON AIR ROAD, LARKSPUR	7/11/04	75	\$ 3,882	\$ 2,756	\$ 6,066	\$ 4,307
6000	Transmission & Distrib.	600827	LAUREL GROVE AVENUE, ROSS	7/11/04	75	\$ 3,495	\$ 2,481	\$ 5,461	\$ 3,877
6000	Transmission & Distrib.	600828	RODEO AVENUE, LAGUNITAS	7/11/04	75	\$ 8,805	\$ 7,279	\$ 13,757	\$ 11,373
6000	Transmission & Distrib.	600829	104 TIBURON BLVD, MILL VALLEY	7/15/04	75	\$ 12,373	\$ 8,811	\$ 19,331	\$ 13,766
6000	Transmission & Distrib.	600830	100 SIR FRANCIS DRAKE BLVD, ROSS	7/11/04	75	\$ 3,970	\$ 2,819	\$ 6,203	\$ 4,404
6000	Transmission & Distrib.	600831	BRET HARTE ROAD, SAN RAFAEL	7/11/04	75	\$ 26,641	\$ 18,915	\$ 41,623	\$ 29,553
6000	Transmission & Distrib.	600832	410 MISSION AVENUE, SAN RAFAEL	7/11/04	75	\$ 3,938	\$ 2,796	\$ 6,152	\$ 4,368
6000	Transmission & Distrib.	600833	1212 MARINER WAY, TIBURON	7/11/04	75	\$ 8,469	\$ 6,013	\$ 13,233	\$ 9,395
6000	Transmission & Distrib.	600834	3 PARK PLACE PIPELINE, TIBURON	7/31/04	75	\$ 14,636	\$ 10,489	\$ 22,867	\$ 16,388
6000	Transmission & Distrib.	600835	WALTERS ROAD, ROSS PIPELINE	4/8/05	75	\$ 25,419	\$ 21,271	\$ 37,949	\$ 31,756
6000	Transmission & Distrib.	600836	140 RAFAEL DRIVE, SAN RAFAEL	10/31/04	75	\$ 12,397	\$ 8,879	\$ 19,369	\$ 13,873
6000	Transmission & Distrib.	600837	115 INEZ PLACE, TIBURON	7/11/04	75	\$ 1,874	\$ 1,331	\$ 2,929	\$ 2,079
6000	Transmission & Distrib.	600838	PALMER AVENUE, TIBURON	11/30/04	75	\$ 123,559	\$ 88,756	\$ 193,047	\$ 138,672
6000	Transmission & Distrib.	600839	RECTIFIER ANODE REPLACEMENT CONTRACT	7/31/04	75	\$ 16,317	\$ 11,585	\$ 25,494	\$ 18,101
6000	Transmission & Distrib.	600840	OLD LANDING ROAD OFFSET, TIBURON	7/31/04	75	\$ 13,251	\$ 9,408	\$ 20,704	\$ 14,700

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600842	2002/03 HYDRANT REPLS P.JCT. CHIEF'S FUND	7/1/04	75	\$ 25,103	\$ 17,823	\$ 39,220	\$ 27,846
6000	Transmission & Distrib.	600843	2003/04 FFMP CORTE MADERA PRP	11/30/04	75	\$ 351,779	\$ 252,090	\$ 549,617	\$ 393,864
6000	Transmission & Distrib.	600844	2003/04 FFMP BRET HARTE ROAD PRP	11/30/04	75	\$ 513,811	\$ 369,374	\$ 802,777	\$ 577,107
6000	Transmission & Distrib.	600845	MARION AVENUE PRP	2/28/05	75	\$ 162,520	\$ 117,808	\$ 242,632	\$ 175,880
6000	Transmission & Distrib.	600846	MARIN PIPELINE RPLS P.JCT	3/31/05	75	\$ 386,586	\$ 280,970	\$ 577,150	\$ 419,471
6000	Transmission & Distrib.	600847	EDGEHILL WAY, S.R. PIPELINE REPLS	10/31/04	75	\$ 22,628	\$ 16,207	\$ 35,354	\$ 25,322
6000	Transmission & Distrib.	600848	820 SIR FRACCS DRAKE BLVD, S.A.- FL	10/7/04	75	\$ 6,518	\$ 4,669	\$ 10,184	\$ 7,234
6000	Transmission & Distrib.	600850	OAK KNOLL, SAN ANSELMO PEA	4/30/05	75	\$ 10,705	\$ 7,801	\$ 15,981	\$ 11,646
6000	Transmission & Distrib.	600851	REDWOOD HIGH SCHOOL, LUCKY DRIVE, C.M.	1/28/05	75	\$ 6,785	\$ 4,902	\$ 10,129	\$ 7,318
6000	Transmission & Distrib.	600852	201 CASA BUENA DRIVE, C.M.	2/28/05	75	\$ 4,084	\$ 2,959	\$ 6,097	\$ 4,418
6000	Transmission & Distrib.	600853	CHAPEL COVE PIPELINE EXTENSION, S.R.	4/30/05	75	\$ 30,950	\$ 22,564	\$ 46,206	\$ 33,686
6000	Transmission & Distrib.	600855	7 & 11 MARK DRIVE, S.R.- FIRELINE	5/31/05	75	\$ 3,535	\$ 2,584	\$ 5,278	\$ 3,857
6000	Transmission & Distrib.	600856	301 SFDB, GREENBRAE- FIRELINE	4/30/05	75	\$ 563	\$ 410	\$ 840	\$ 612
6000	Transmission & Distrib.	600857	2 SHORELINE PARKWAY, SAN RAFAEL- FIRELINE/ SVC	7/31/04	75	\$ 10,352	\$ 7,350	\$ 16,174	\$ 11,483
6000	Transmission & Distrib.	600858	498 PT. SAN PEDRO ROAD, S.R.- FIRELINE	1/31/05	75	\$ 5,602	\$ 4,047	\$ 8,363	\$ 6,042
6000	Transmission & Distrib.	600859	4300 REDWOOD HIGHWAY, S.R.- PIPELINE	1/31/05	75	\$ 85,557	\$ 61,789	\$ 127,732	\$ 92,247
6000	Transmission & Distrib.	600860	PASTORIA AVENUE, FAIRFAX- PRP	5/31/05	75	\$ 121,692	\$ 88,854	\$ 181,679	\$ 132,654
6000	Transmission & Distrib.	600861	2004/05 RECTIFIER ANODE PROJECT	4/30/05	75	\$ 49,934	\$ 36,514	\$ 74,549	\$ 54,513
6000	Transmission & Distrib.	600862	25 THROCKMORTON AVE, M.V.- FL	4/30/05	75	\$ 2,941	\$ 2,144	\$ 4,391	\$ 3,201
6000	Transmission & Distrib.	600863	FAIRFAX TRANSMISSION LINE EROSION REPAIR	5/31/05	75	\$ 27,540	\$ 19,956	\$ 41,115	\$ 29,794
6000	Transmission & Distrib.	600864	301 SIR FRANCIS DRAKE BLVD, GREENBRAE	6/30/05	75	\$ 5,614	\$ 4,101	\$ 8,381	\$ 6,123
6000	Transmission & Distrib.	600865	2003/04 GREENBRAE PRP	6/30/05	75	\$ 502,315	\$ 366,103	\$ 749,926	\$ 546,569
6000	Transmission & Distrib.	600866	LAGUNA & SPRINGFIELD PRP, TAM VALLEY	6/30/05	75	\$ 353,701	\$ 257,995	\$ 528,054	\$ 385,171
6000	Transmission & Distrib.	600868	FERN WOOD ESTATES	6/30/05	75	\$ 10,385	\$ 7,373	\$ 15,504	\$ 11,008
6000	Transmission & Distrib.	600869	2004/05 FFMP BLITHDALE CANYON PRP	6/30/05	75	\$ 349,341	\$ 253,877	\$ 521,545	\$ 379,023
6000	Transmission & Distrib.	600870	TENNESSEE GLENN, MILL VALLEY, PRP	7/1/04	75	\$ 33,104	\$ 23,504	\$ 51,722	\$ 36,722
6000	Transmission & Distrib.	600871	BUTTERFIELD ROAD, SAN DOMINICO SCHOOL, S.A.	6/30/05	75	\$ 29,770	\$ 21,199	\$ 44,444	\$ 31,648
6000	Transmission & Distrib.	600872	1500 BUTTERFIELD ROAD, SAN DOMINICO SCHOOL, S.A.	6/30/05	75	\$ 18,641	\$ 13,594	\$ 27,830	\$ 20,294
6000	Transmission & Distrib.	600873	98 BEACH ROAD, BELVEDERE- FIRELINE	6/30/05	75	\$ 4,966	\$ 3,640	\$ 7,414	\$ 5,434
6000	Transmission & Distrib.	600874	87 SIDNEY COURT, SAN RAFAEL- HYDRANT	6/30/05	75	\$ 9,461	\$ 6,915	\$ 14,125	\$ 10,323
6000	Transmission & Distrib.	600875	MANTEGANI WAY, TIBURON- PIPELINE	6/1/05	75	\$ 27,524	\$ 20,179	\$ 41,092	\$ 30,127
6000	Transmission & Distrib.	600877	RICHARDSON LANDING, MILL VALLEY- PIPELINE	6/30/05	75	\$ 131,835	\$ 95,953	\$ 196,822	\$ 143,251
6000	Transmission & Distrib.	600879	2004/05 CORROSION TEST STATION REHAB P.JCT	6/1/05	75	\$ 108,804	\$ 79,744	\$ 162,438	\$ 119,053
6000	Transmission & Distrib.	600880	2004/05 CATHODIC PROTECTION SYS CORRECTION	6/1/05	75	\$ 235,829	\$ 173,355	\$ 352,079	\$ 258,809
6000	Transmission & Distrib.	600881	2003/04 CORROSION TEST STATION REHAB	6/1/05	75	\$ 36,870	\$ 26,178	\$ 55,045	\$ 39,082
6000	Transmission & Distrib.	600882	2003/04 SYSTEMS CORRECTIONS PROJECT	6/1/05	75	\$ 70,814	\$ 50,278	\$ 105,721	\$ 75,062
6000	Transmission & Distrib.	600883	103 SHORELINE PARKWAY	7/1/04	75	\$ 4,836	\$ 3,434	\$ 7,556	\$ 5,365
6000	Transmission & Distrib.	600884	LINDARO STREET, SAN RAFAEL- PIPELINE	7/1/04	75	\$ 41,939	\$ 29,777	\$ 65,525	\$ 46,523
6000	Transmission & Distrib.	600885	2002/03 SAN ANSELMO PRP	6/30/05	75	\$ 766,805	\$ 549,504	\$ 1,144,793	\$ 820,376
6000	Transmission & Distrib.	600886	2003/04 FFMP TAM VALLEY PRP	6/30/05	75	\$ 548,164	\$ 390,619	\$ 818,375	\$ 583,170
6000	Transmission & Distrib.	600887	2003/04 FFMP COUNTRY CLUB PRP	6/30/05	75	\$ 493,263	\$ 352,576	\$ 736,411	\$ 526,374
6000	Transmission & Distrib.	600888	2003/04 FFMP CHAPMAN DRIVE PRP	6/30/05	75	\$ 651,011	\$ 476,464	\$ 971,920	\$ 711,331
6000	Transmission & Distrib.	600890	200 DOHERTY DRIVE, LARKSPUR-FL	7/31/05	75	\$ 3,740	\$ 2,749	\$ 5,584	\$ 4,104
6000	Transmission & Distrib.	600891	GREEN STREET, MILL VALLEY- HYDRANT	7/31/05	75	\$ 10,851	\$ 7,797	\$ 16,200	\$ 11,641
6000	Transmission & Distrib.	600892	41 MAIN STREET, TIBURON- FL	7/31/05	75	\$ 9,810	\$ 7,211	\$ 14,646	\$ 10,765
6000	Transmission & Distrib.	600893	575 DRAKE BLVD, GREENBRAE-FL	7/31/05	75	\$ 5,010	\$ 3,683	\$ 7,480	\$ 5,498
6000	Transmission & Distrib.	600894	THE VILLAGE AT CORTE MADERA	7/31/05	75	\$ 72,554	\$ 55,194	\$ 108,319	\$ 82,402
6000	Transmission & Distrib.	600895	100 DEER VALLEY ROAD PIPELINE	7/31/05	75	\$ 6,505	\$ 4,781	\$ 9,711	\$ 7,138
6000	Transmission & Distrib.	600896	755 IDYLBERRY ROAD, SAN RAFAEL-FL	7/31/05	75	\$ 7,908	\$ 5,812	\$ 11,806	\$ 8,677
6000	Transmission & Distrib.	600897	1050 BRIDGEWAY, SAUSALITO- FL	7/31/05	75	\$ 10,882	\$ 7,998	\$ 16,246	\$ 11,941
6000	Transmission & Distrib.	600898	2601 LARKSPUR LANDING CIRCLE- HYDRANT	7/31/05	75	\$ 3,269	\$ 2,403	\$ 4,881	\$ 3,598

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600989	660-670 LAS GALLINAS AVE, SAN RAFAEL-FL	7/31/05	75	\$ 14,867	\$ 10,927	\$ 22,195	\$ 16,313
6000	Transmission & Distrib.	600990	REDWOOD ROAD, FAIRFAX- PIPELINE	7/31/05	75	\$ 11,873	\$ 8,727	\$ 17,726	\$ 13,029
6000	Transmission & Distrib.	600901	NAPA STREET, SAUSALITO- PIPELINE	7/31/05	75	\$ 39,759	\$ 29,230	\$ 59,358	\$ 43,639
6000	Transmission & Distrib.	600902	HILL SIDE AVENUE, KENTFIELD- PIPELINE	10/31/05	75	\$ 36,548	\$ 26,863	\$ 54,563	\$ 40,104
6000	Transmission & Distrib.	600903	ESCALE LANE, LARKSPUR- HYDRANT	7/31/05	75	\$ 9,218	\$ 6,775	\$ 13,762	\$ 10,115
6000	Transmission & Distrib.	600904	2000-01 CATHODIC PROTECTION EXISTING PIPE	7/31/05	75	\$ 25,935	\$ 19,096	\$ 38,720	\$ 28,510
6000	Transmission & Distrib.	600905	VIA LA CUMBRE- HYDRANT	7/31/05	75	\$ 1,949	\$ 1,433	\$ 2,910	\$ 2,139
6000	Transmission & Distrib.	600906	THIRD & C STREET, SAN RAFAEL-FL	7/31/05	75	\$ 6,722	\$ 4,941	\$ 10,036	\$ 7,376
6000	Transmission & Distrib.	600907	2200 LUCAS VALLEY ROAD, SAN RAFAEL-FL	10/31/05	75	\$ 4,188	\$ 3,078	\$ 6,252	\$ 4,595
6000	Transmission & Distrib.	600908	PIPER LANE, FAIRFAX- HYDRANT	11/30/05	75	\$ 10,012	\$ 7,359	\$ 14,948	\$ 10,986
6000	Transmission & Distrib.	600909	ACADEMY HEIGHTS, SAN RAFAEL	10/31/05	75	\$ 89,635	\$ 65,881	\$ 133,819	\$ 98,357
6000	Transmission & Distrib.	600911	1800 5TH AVENUE, SAN RAFAEL- FL	10/31/05	75	\$ 4,399	\$ 3,215	\$ 6,568	\$ 4,800
6000	Transmission & Distrib.	600912	177 N. SAN PEDRO ROAD, LAS GALLINAS SCHOOL	10/31/05	75	\$ 5,743	\$ 4,221	\$ 8,573	\$ 6,301
6000	Transmission & Distrib.	600913	1040 EDGEWOOD AVE., MILL VALLEY- FL	10/31/05	75	\$ 4,747	\$ 3,499	\$ 7,087	\$ 5,223
6000	Transmission & Distrib.	600914	SACRAMENTO AVENUE, SAN ANSELMO	10/31/05	75	\$ 36,533	\$ 26,852	\$ 54,542	\$ 40,089
6000	Transmission & Distrib.	600915	LOS ANGELES AVENUE, SAN ANSELMO	12/31/05	75	\$ 999,944	\$ 19,846	\$ 39,971	\$ 29,629
6000	Transmission & Distrib.	600916	FMFP FAIRFAX PIPELINE REPLACEMENT PJCT	12/31/05	75	\$ 533,615	\$ 392,214	\$ 1,492,855	\$ 1,110,528
6000	Transmission & Distrib.	600917	NEW PRP VARIOUS LOCATIONS FY2004	12/31/05	75	\$ 34,055	\$ 25,097	\$ 50,842	\$ 37,469
6000	Transmission & Distrib.	600918	SEQUOIA DRIVE, S.A. PIPELINE REPLS-SLIDE	12/31/05	75	\$ 42,144	\$ 31,264	\$ 62,919	\$ 46,676
6000	Transmission & Distrib.	600920	BATES CANYON CREEK, SGV, PRP	12/31/05	75	\$ 1,944	\$ 1,429	\$ 2,788	\$ 2,049
6000	Transmission & Distrib.	600921	1011 C STREET, SAN RAFAEL- FL	12/31/05	75	\$ 4,467	\$ 3,283	\$ 6,668	\$ 4,901
6000	Transmission & Distrib.	600922	171 & 181 THIRD STREET, SAN RAFAEL	12/31/05	75	\$ 4,076	\$ 2,996	\$ 6,085	\$ 4,472
6000	Transmission & Distrib.	600923	71 CASA BUENA DRIVE, CORTE MADERA- FL	12/31/05	75	\$ 4,144	\$ 3,089	\$ 6,186	\$ 4,611
6000	Transmission & Distrib.	600924	195 CASA BUENA DRIVE, CORTE MADERA- FL	12/31/05	75	\$ 5,408	\$ 3,987	\$ 8,074	\$ 5,952
6000	Transmission & Distrib.	600925	75 HAPPY LANE, SAN RAFAEL- FL	1/31/06	75	\$ 5,229	\$ 3,843	\$ 7,499	\$ 5,512
6000	Transmission & Distrib.	600927	26 TAMALPAIS AVENUE, SAN ANSELMO- FL	1/31/06	75	\$ 4,806	\$ 3,552	\$ 6,892	\$ 5,095
6000	Transmission & Distrib.	600928	UPPER ROAD, SAN RAFAEL- PIPELINE	1/31/06	75	\$ 12,725	\$ 9,436	\$ 18,250	\$ 13,533
6000	Transmission & Distrib.	600929	2004/05 FMFP SUMMIT AVENUE PRP	1/31/06	75	\$ 473,365	\$ 352,800	\$ 678,896	\$ 505,982
6000	Transmission & Distrib.	600930	FMFP LOVELL AVENUE PRP	1/31/06	75	\$ 1,185,779	\$ 879,413	\$ 1,700,635	\$ 1,261,246
6000	Transmission & Distrib.	600931	LOS RANCHITOS ROAD, S.R. ELDER CARE	3/31/06	75	\$ 34,925	\$ 26,106	\$ 50,089	\$ 37,442
6000	Transmission & Distrib.	600932	CASTRO AVENUE, SAN RAFAEL-PRP	2/28/06	75	\$ 64,738	\$ 47,873	\$ 92,847	\$ 68,659
6000	Transmission & Distrib.	600933	BELLE AVENUE/ ELM STREET, S.R.-PRP	3/31/06	75	\$ 21,561	\$ 16,195	\$ 30,922	\$ 23,226
6000	Transmission & Distrib.	600934	420 MILLER AVENUE, MILL VALLEY	3/31/06	75	\$ 16,850	\$ 12,455	\$ 24,166	\$ 17,863
6000	Transmission & Distrib.	600935	PARADISE DRIVE, TIBURON - PEA	3/31/06	75	\$ 21,821	\$ 16,384	\$ 31,295	\$ 23,497
6000	Transmission & Distrib.	600936	2004/05 WEST MMWD PRP	3/31/06	75	\$ 733,430	\$ 551,471	\$ 1,051,880	\$ 790,915
6000	Transmission & Distrib.	600937	NORTH AVENUE, MCINNIS PARK APTS PHASE 2 & 2B	3/31/06	75	\$ 21,518	\$ 16,175	\$ 30,861	\$ 23,197
6000	Transmission & Distrib.	600938	178 MARIN DRIVE, SAN RAFAEL	3/31/06	75	\$ 5,999	\$ 4,509	\$ 8,604	\$ 6,467
6000	Transmission & Distrib.	600939	159 WEST OAK KNOLL ROAD, SAN ANSELMO	3/31/06	75	\$ 6,642	\$ 4,992	\$ 9,525	\$ 7,160
6000	Transmission & Distrib.	600940	2005-06 CORROSION TEST STATION REHAB. PJCT	3/31/06	75	\$ 82,687	\$ 61,809	\$ 118,590	\$ 88,646
6000	Transmission & Distrib.	600941	ROSARIO ROAD, FOREST KNOLLS-PIPELINE-HYD,SVC	3/31/06	75	\$ 9,860	\$ 7,354	\$ 14,141	\$ 10,548
6000	Transmission & Distrib.	600942	46 LOUISE STREET, SAN RAFAEL- FL	4/30/06	75	\$ 4,446	\$ 3,268	\$ 6,377	\$ 4,687
6000	Transmission & Distrib.	600943	5461 PARADISE DRIVE, C.M.- FL	4/30/06	75	\$ 3,319	\$ 2,439	\$ 4,760	\$ 3,498
6000	Transmission & Distrib.	600944	17 MADRONA AVENUE, MILL VALLEY-FL	4/30/06	75	\$ 12,480	\$ 9,173	\$ 17,898	\$ 13,155
6000	Transmission & Distrib.	600945	TRIPLE C RANCH PIPELINE	4/30/06	75	\$ 13,455	\$ 9,917	\$ 19,297	\$ 14,222
6000	Transmission & Distrib.	600946	275 NORTH SAN PEDRO ROAD, S.R.-HYD, SVC	4/30/06	75	\$ 3,552	\$ 2,611	\$ 5,094	\$ 3,744
6000	Transmission & Distrib.	600947	42 INDUSTRIAL WAY, GERENBRAE- FL	4/30/06	75	\$ 2,758	\$ 2,027	\$ 3,955	\$ 2,907
6000	Transmission & Distrib.	600948	COURT STREET, SAN RAFAEL-SVC, HYDR	4/30/06	75	\$ 4,059	\$ 2,983	\$ 5,821	\$ 4,278
6000	Transmission & Distrib.	600949	112 BUCKLEY AVENUE, SAUSALITO-FL	4/30/06	75	\$ 2,204	\$ 1,620	\$ 3,160	\$ 2,323
6000	Transmission & Distrib.	600952	171 & 181 CARLOS DRIVE, S.R.- FL	4/30/06	75	\$ 12,820	\$ 9,423	\$ 18,387	\$ 13,514
6000	Transmission & Distrib.	600953	975 MAGNOLIA AVENUE, LARKSPUR-FL	4/30/06	75	\$ 3,193	\$ 2,347	\$ 4,579	\$ 3,366

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	600954	265 MAGNOLIA AVENUE, LARKSPUR-FL	4/30/06	75	\$ 1,622	\$ 1,192	\$ 2,326	\$ 1,710
6000	Transmission & Distrib.	600955	2004/05 FFMP CYPRESS RIDGE PRP	4/30/06	75	\$ 784,365	\$ 577,652	\$ 1,124,930	\$ 828,463
6000	Transmission & Distrib.	600956	626 TAMALPIAS AVENUE, C.M.- FL	5/31/06	75	\$ 5,894	\$ 4,332	\$ 8,453	\$ 6,213
6000	Transmission & Distrib.	600957	RECTIFIER ANODE REPLS PJCT	5/31/06	75	\$ 23,269	\$ 17,103	\$ 33,372	\$ 24,529
6000	Transmission & Distrib.	600958	CATHODIC PROTECTION OF SGTP FILTER PIPING	5/31/06	75	\$ 5,739	\$ 4,218	\$ 8,231	\$ 6,050
6000	Transmission & Distrib.	600960	BELVEDERE @ ALTO STREETS, SAN RAFAEL	6/30/06	75	\$ 11,738	\$ 8,876	\$ 16,834	\$ 12,730
6000	Transmission & Distrib.	600962	FAIRFAX HYDRANT INSTALLATIONS	6/30/06	75	\$ 27,689	\$ 20,870	\$ 39,711	\$ 29,932
6000	Transmission & Distrib.	600963	WOODLAND AVENUE OFFSET, SAN ANSELMO	6/30/06	75	\$ 15,479	\$ 11,379	\$ 22,200	\$ 16,320
6000	Transmission & Distrib.	600964	2004/05 MILL VALLEY & SAUSALITO PRP	6/30/06	75	\$ 900,184	\$ 682,648	\$ 1,291,036	\$ 979,047
6000	Transmission & Distrib.	600964	STRAWBERRY VILLAGE, MILL VALLEY	6/30/06	75	\$ 75,551	\$ 57,213	\$ 108,355	\$ 82,054
6000	Transmission & Distrib.	600966	50 CANAL STREET, SAN RAFAEL- FL	4/30/06	75	\$ 5,873	\$ 4,430	\$ 8,423	\$ 6,354
6000	Transmission & Distrib.	600967	MT. TAM ESTATES, MILL VALLEY - PIPELINE	4/30/06	75	\$ 54,294	\$ 41,264	\$ 77,868	\$ 59,180
6000	Transmission & Distrib.	600968	NORTH MARIN PUMP PIT SUMP PUMP	6/30/06	1	\$ 276	\$ -	\$ 395	\$ -
6000	Transmission & Distrib.	600968	FFMP 2005/06 WEST END, SAN RAFAEL PRP	6/30/06	40	\$ 480,717	\$ 346,760	\$ 689,441	\$ 497,321
6000	Transmission & Distrib.	600970	186 FOREST, FAIRFAX- HYDRANT UPGRADE TO 6"	6/30/06	75	\$ 7,868	\$ 5,963	\$ 11,284	\$ 8,552
6000	Transmission & Distrib.	600971	CANAL @ SONOMA STREET, SAN RAFAEL- HYDRANT	6/30/06	75	\$ 7,516	\$ 5,697	\$ 10,780	\$ 8,170
6000	Transmission & Distrib.	600972	909 GRAND AVENUE, SAN RAFAEL- FL	6/30/06	75	\$ 5,275	\$ 3,921	\$ 7,565	\$ 5,623
6000	Transmission & Distrib.	600973	25 MADRONE PARK CIRCLE, M.V.- HYDRANT	6/30/06	75	\$ 9,717	\$ 7,344	\$ 13,935	\$ 10,533
6000	Transmission & Distrib.	600974	SUNNY HILLS DRIVE, SAN ANSELMO- RELOC HYDRANT	6/30/06	75	\$ 8,529	\$ 6,393	\$ 12,232	\$ 9,169
6000	Transmission & Distrib.	600975	1199 TIBURON BLVD, TIBURON	6/30/06	75	\$ 13,539	\$ 9,908	\$ 19,417	\$ 14,211
6000	Transmission & Distrib.	600977	BRETANO WAY, GREENBRAE- H	6/30/06	75	\$ 8,255	\$ 6,205	\$ 11,839	\$ 8,899
6000	Transmission & Distrib.	600978	75 HAPPY LANE, SAN ANSELMO- FL	6/30/06	75	\$ 7,399	\$ 5,475	\$ 10,612	\$ 7,852
6000	Transmission & Distrib.	600979	7 MARIPOSA AVENUE, SAN ANSELMO- FL	6/30/06	75	\$ 21,635	\$ 15,902	\$ 31,028	\$ 22,806
6000	Transmission & Distrib.	600980	30 MILLER AVENUE, MILL VALLEY- FL	6/30/06	75	\$ 12,521	\$ 9,267	\$ 17,957	\$ 13,291
6000	Transmission & Distrib.	600981	440 MONTE VISTA AVENUE, MILL VALLEY-HYDRANT	6/30/06	75	\$ 7,249	\$ 5,328	\$ 10,396	\$ 7,641
6000	Transmission & Distrib.	600982	PARK CIRCLE, MARIN CITY- FL	6/30/06	75	\$ 6,335	\$ 4,687	\$ 9,085	\$ 6,722
6000	Transmission & Distrib.	600984	HOLMSTEAD BLVD, TAMALPIAS HIGH SCHOOL-FL	6/30/06	75	\$ 12,566	\$ 9,238	\$ 18,026	\$ 13,249
6000	Transmission & Distrib.	600985	66 PROSPECT AVENUE, SAUSALITO- HYDRANT	6/30/06	75	\$ 7,766	\$ 5,721	\$ 11,137	\$ 8,206
6000	Transmission & Distrib.	600986	30 HARBOR COVE WAY, MILL VALLEY-HYDRANT	6/30/06	75	\$ 6,219	\$ 4,589	\$ 8,919	\$ 6,581
6000	Transmission & Distrib.	600987	3 BAY VIEW AVE-ST. STEPHAN'S CHURCH, BELVEDERE-FL	6/30/06	75	\$ 8,567	\$ 6,321	\$ 12,287	\$ 9,065
6000	Transmission & Distrib.	600988	40 SPRING ROAD, KENTFIELD- FL	6/30/06	75	\$ 3,708	\$ 2,726	\$ 5,318	\$ 3,909
6000	Transmission & Distrib.	600989	90 CORTE MADERA TOWN CENTER- FL	6/30/06	75	\$ 7,597	\$ 5,584	\$ 10,895	\$ 8,008
6000	Transmission & Distrib.	600990	880 PANORAMIC HIGHWAY PIPELINE, M.V.	7/31/06	75	\$ 10,169	\$ 7,728	\$ 14,584	\$ 11,084
6000	Transmission & Distrib.	600991	2005-06 KENTWOODLAND 1ST LIFT SYSTEM PRP	8/31/06	75	\$ 758,091	\$ 578,867	\$ 1,087,247	\$ 830,206
6000	Transmission & Distrib.	600992	3310 PARADISE DRIVE, TIBURON- FL #8713F	8/31/06	75	\$ 4,206	\$ 3,205	\$ 6,032	\$ 4,597
6000	Transmission & Distrib.	600993	484 MAGNOLIA AVENUE, LARKSPUR- FL#08333F	9/30/06	75	\$ 6,636	\$ 5,071	\$ 9,517	\$ 7,273
6000	Transmission & Distrib.	600994	1675 GRAND AVENUE, SAN RAFAEL - FL#8725F	9/30/06	75	\$ 10,500	\$ 8,024	\$ 15,059	\$ 11,508
6000	Transmission & Distrib.	600995	ROUND HILL ROAD, TIBURON-PEA	9/30/06	75	\$ 14,521	\$ 11,097	\$ 20,826	\$ 15,915
6000	Transmission & Distrib.	600996	8 VENADO DRIVE, TIBURON-RELOCATE #4729H	9/30/06	75	\$ 3,369	\$ 2,574	\$ 4,831	\$ 3,692
6000	Transmission & Distrib.	600997	2005-06 KENTFIELD PRP	9/30/06	75	\$ 548,770	\$ 420,715	\$ 787,042	\$ 603,386
6000	Transmission & Distrib.	600998	CATHODIC PROTECTION SYSTEM CORRECTION	9/30/06	75	\$ 254,389	\$ 194,091	\$ 364,842	\$ 278,363
6000	Transmission & Distrib.	600999	2005-06 FFMP H LINE TANK SYS PHASE I	9/30/06	75	\$ 895,770	\$ 680,723	\$ 1,284,706	\$ 976,287
6000	Transmission & Distrib.	601000	FAIRVIEW DRIVE, SAN RAFAEL- PEA	12/31/06	75	\$ 12,613	\$ 9,718	\$ 18,090	\$ 13,937
6000	Transmission & Distrib.	601001	2005/06 ELDRIDGE PHASE II PRP	12/31/06	75	\$ 835,102	\$ 641,753	\$ 1,197,696	\$ 920,397
6000	Transmission & Distrib.	601002	14 LAGUNITAS ROAD, ROSS- FL	12/31/06	75	\$ 5,483	\$ 2,458	\$ 7,864	\$ 3,525
6000	Transmission & Distrib.	601003	125 BAHIA WAY, SAN RAFAEL	12/31/06	75	\$ 7,131	\$ 5,435	\$ 10,228	\$ 7,794
6000	Transmission & Distrib.	601004	2005/06 WOODACRE PRP	1/31/07	75	\$ 521,200	\$ 401,116	\$ 727,326	\$ 559,751
6000	Transmission & Distrib.	601005	2005/06 SAN RAFAEL PRP	1/31/07	75	\$ 539,272	\$ 414,952	\$ 752,545	\$ 579,058
6000	Transmission & Distrib.	601006	PARADISE DRIVE SLIDE REPAIR-PRP	12/31/06	75	\$ 43,623	\$ 33,535	\$ 62,564	\$ 48,095
6000	Transmission & Distrib.	601007	GOLF AVENUE FIRE HYDRANT	12/31/06	75	\$ 11,962	\$ 9,116	\$ 17,155	\$ 13,074
6000	Transmission & Distrib.	601008	SAN RAFAEL FIRE HYDRANTS	12/31/06	75	\$ 25,403	\$ 19,222	\$ 36,433	\$ 27,568

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601009	ALMONTE TRANSMISSION LINE PROJECT	12/31/06	75	\$ 1,100,077	\$ 847,804	\$ 1,577,721	\$ 1,215,914
6000	Transmission & Distrib.	601010	1999-2000 PIPELINE REPLACEMENT PROJECT	12/31/06	75	\$ 11,183	\$ 8,499	\$ 16,039	\$ 12,190
6000	Transmission & Distrib.	601011	REDWOOD DRIVE, WOODACRE PRP	12/31/06	75	\$ 161,819	\$ 124,691	\$ 232,080	\$ 178,830
6000	Transmission & Distrib.	601012	WEST FRANCISCO BLVD HOV BYPASS	2/28/07	75	\$ 652,115	\$ 506,509	\$ 910,016	\$ 706,825
6000	Transmission & Distrib.	601013	ANTONETTE DRIVE, TIBURON	2/28/07	75	\$ 83,523	\$ 64,870	\$ 116,555	\$ 90,525
6000	Transmission & Distrib.	601015	415 PANORAMIC HIGHWAY, M.V.	2/28/07	75	\$ 8,206	\$ 6,252	\$ 11,452	\$ 8,725
6000	Transmission & Distrib.	601016	78 EAST BLITHDALE, MILL VALLEY	2/28/07	75	\$ 9,130	\$ 7,091	\$ 12,741	\$ 9,896
6000	Transmission & Distrib.	601017	OLD LANDING ROAD, TIBURON	2/28/07	75	\$ 20,238	\$ 15,719	\$ 28,242	\$ 21,935
6000	Transmission & Distrib.	601019	TOUSSIN AVENUE, KENTFIELD-PRP	3/31/07	75	\$ 11,635	\$ 7,389	\$ 16,236	\$ 10,311
6000	Transmission & Distrib.	601020	105 AVENIDA MIRAFLORES, TIBURON-FL	3/31/07	75	\$ 16,438	\$ 12,767	\$ 22,939	\$ 17,816
6000	Transmission & Distrib.	601021	CORROSION TEST STATION REHABILITATION PJCT	4/30/07	75	\$ 89,426	\$ 69,454	\$ 124,792	\$ 96,922
6000	Transmission & Distrib.	601022	SUMMIT AVENUE UPPER TANK PRP	3/31/07	75	\$ 1,028,161	\$ 798,632	\$ 1,434,782	\$ 1,114,477
6000	Transmission & Distrib.	601023	777 SAN ANSELMO AVENUE, S.A.-FL	3/31/07	75	\$ 5,337	\$ 4,148	\$ 7,447	\$ 5,789
6000	Transmission & Distrib.	601024	150 BUTTERFIELD ROAD, S.A.- FL	3/31/07	75	\$ 4,737	\$ 3,679	\$ 6,610	\$ 5,134
6000	Transmission & Distrib.	601025	ALMONTE BOULEVARD, MILL VALLEY- FL	3/31/07	75	\$ 14,613	\$ 11,197	\$ 20,392	\$ 15,626
6000	Transmission & Distrib.	601026	1540 FIFTH AVENUE, SAN RAFAEL- FL	3/31/07	75	\$ 21,456	\$ 16,351	\$ 29,942	\$ 22,818
6000	Transmission & Distrib.	601027	10 PARK ROAD, FAIRFAX- FL	4/30/07	75	\$ 5,213	\$ 4,060	\$ 7,275	\$ 5,665
6000	Transmission & Distrib.	601028	BAHIA WAY & CANAL STREET, S.R.-OFFSETS	5/31/07	75	\$ 45,951	\$ 35,785	\$ 64,123	\$ 49,938
6000	Transmission & Distrib.	601029	WENDY WAY PIPELINE	5/30/07	75	\$ 30,142	\$ 23,536	\$ 42,063	\$ 32,844
6000	Transmission & Distrib.	601031	555 SECOND STREET, SAN RAFAEL- FL	5/31/07	75	\$ 5,489	\$ 4,263	\$ 7,659	\$ 5,949
6000	Transmission & Distrib.	601032	WOLFBACK ESTATES, SAUSALITO	5/31/07	75	\$ 15,776	\$ 12,319	\$ 22,015	\$ 17,190
6000	Transmission & Distrib.	601033	FLORIBEL & ALLYN AVENUE, S.A.- PRP	5/31/07	75	\$ 663,771	\$ 518,767	\$ 926,281	\$ 723,931
6000	Transmission & Distrib.	601034	2005-06 SAN ANSELMO PIPELINE RPLS	6/30/07	75	\$ 1,004,295	\$ 786,319	\$ 1,401,476	\$ 1,097,294
6000	Transmission & Distrib.	601037	27 MAIN STREET, TIBURON-FL	6/30/07	75	\$ 5,046	\$ 3,952	\$ 7,042	\$ 5,516
6000	Transmission & Distrib.	601038	44 HILL DRIVE PIPELINE RELOCATION	9/30/07	75	\$ 15,237	\$ 11,993	\$ 21,264	\$ 16,736
6000	Transmission & Distrib.	601039	CORTE ANITA TO TIOGA LANE PRP- GREENBRAE	9/30/07	75	\$ 53,359	\$ 41,985	\$ 74,462	\$ 58,589
6000	Transmission & Distrib.	601040	7330 SIR FRANCIS DRAKE BLVD, LAGUNITAS-H	9/30/07	75	\$ 5,054	\$ 4,000	\$ 7,052	\$ 5,583
6000	Transmission & Distrib.	601041	1800 SECOND STREET, S.R.- FL	9/30/07	75	\$ 4,648	\$ 3,669	\$ 6,486	\$ 5,121
6000	Transmission & Distrib.	601042	SOULAJULE RELEASE VALVE PROJECT	9/30/07	75	\$ 420,738	\$ 332,591	\$ 587,133	\$ 464,125
6000	Transmission & Distrib.	601043	SEYMOUR LANE PIPELINE RELOCATION- M.V.	10/31/07	75	\$ 51,800	\$ 40,987	\$ 72,286	\$ 57,196
6000	Transmission & Distrib.	601044	2006/07 FFMP SAUSALITO BLVD, SAUSALITO PRP	10/31/07	75	\$ 622,384	\$ 494,020	\$ 868,527	\$ 689,396
6000	Transmission & Distrib.	601045	WINDING WAY, KENTFIELD- PIPELINE RELOCATION	10/30/07	75	\$ 10,479	\$ 8,314	\$ 14,624	\$ 11,602
6000	Transmission & Distrib.	601046	DRAKE'S COVE, LARKSPUR	11/30/07	75	\$ 111,877	\$ 87,813	\$ 156,122	\$ 122,541
6000	Transmission & Distrib.	601048	1690 TIBURON BLVD, TIBURON- FL	11/30/07	75	\$ 4,502	\$ 3,572	\$ 6,283	\$ 4,984
6000	Transmission & Distrib.	601049	2006/07 SAUSALITO/ CORTE MADERA PRP	11/30/07	75	\$ 527,559	\$ 418,815	\$ 736,200	\$ 584,450
6000	Transmission & Distrib.	601050	REDWOOD DRIVE, WOODACRE PEAEA	11/30/07	75	\$ 23,800	\$ 18,733	\$ 33,213	\$ 26,141
6000	Transmission & Distrib.	601051	RALSTON AVENUE, MILL VALLEY- PEA	12/31/07	75	\$ 16,515	\$ 13,080	\$ 23,046	\$ 18,252
6000	Transmission & Distrib.	601052	HYDRANT BODY REPLACEMENTS FY 2006	1/31/08	75	\$ 4,978	\$ 3,907	\$ 6,659	\$ 5,227
6000	Transmission & Distrib.	601053	85 MITCHELL BLVD, SAN RAFAEL- FL	1/31/08	75	\$ 4,352	\$ 3,463	\$ 5,822	\$ 4,633
6000	Transmission & Distrib.	601054	SIR FRANCIS DRAKE BLVD, PRP	1/31/08	75	\$ 1,047,979	\$ 833,680	\$ 1,401,898	\$ 1,115,227
6000	Transmission & Distrib.	601055	FOURTH STREET, S.R. PRP	1/31/08	75	\$ 879,713	\$ 699,856	\$ 1,176,806	\$ 936,209
6000	Transmission & Distrib.	601056	PHOENIX LAKE OUTLET WORKS	1/31/08	75	\$ 271,981	\$ 217,059	\$ 363,833	\$ 290,363
6000	Transmission & Distrib.	601057	SAN CLEMENTE FAMILY HOUSING, C.M.	1/31/08	75	\$ 54,933	\$ 43,695	\$ 73,485	\$ 58,451
6000	Transmission & Distrib.	601059	SAN CLEMENTE DRIVE, C.M.- PEA	1/31/08	75	\$ 53,367	\$ 42,449	\$ 71,390	\$ 56,785
6000	Transmission & Distrib.	601060	DIPSEA STEPS PRP	2/29/08	75	\$ 63,486	\$ 49,836	\$ 84,926	\$ 66,667
6000	Transmission & Distrib.	601061	35 CORTE MADERA AVENUE, M.V.- FL	2/29/08	75	\$ 9,150	\$ 7,183	\$ 12,241	\$ 9,609
6000	Transmission & Distrib.	601062	CATHODIC PROTECTION REMOTE PROJECT	3/31/08	75	\$ 7,372	\$ 5,935	\$ 9,861	\$ 7,939
6000	Transmission & Distrib.	601063	RECTIFIER ANODE REPLS- 95 SCHMIDT LN, S.R.	3/31/08	75	\$ 20,995	\$ 16,481	\$ 28,086	\$ 22,047
6000	Transmission & Distrib.	601064	2005/06 FFMP ALTO TIBURON PRP	3/31/08	75	\$ 2,482,834	\$ 1,969,381	\$ 3,294,572	\$ 2,634,472
6000	Transmission & Distrib.	601064	2005/06 FFMP TIBURON MULTIUSE PATH LANDSCAPE	3/31/08	5	\$ 96,910	\$ -	\$ 125,706	\$ -
6000	Transmission & Distrib.	601065	2006/07 CORROSION TEST STATION REHAB	3/31/08	75	\$ 88,915	\$ 71,102	\$ 118,944	\$ 95,114

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601067	BAYVIEW DRIVE, SAN RAFAEL- PEA	3/31/08	75	\$ 27,600	\$ 22,135	\$ 36,922	\$ 29,611
6000	Transmission & Distrib.	601068	700 TIBURON BOULEVARD, TIBURON- FL	3/31/08	75	\$ 8,848	\$ 7,074	\$ 11,836	\$ 9,464
6000	Transmission & Distrib.	601069	END OF GATE 5 ROAD, SAUSALITO - FL	3/31/08	75	\$ 7,605	\$ 6,097	\$ 10,173	\$ 8,156
6000	Transmission & Distrib.	601070	COLLEGE AVENUE, KENTFIELD- FL	4/30/08	75	\$ 11,911	\$ 9,572	\$ 15,934	\$ 12,805
6000	Transmission & Distrib.	601071	2006/07 MILL VALLEY PRP	3/31/08	75	\$ 519,285	\$ 416,500	\$ 694,655	\$ 557,159
6000	Transmission & Distrib.	601072	2006-07 SAN RAFAEL PRP	4/30/08	75	\$ 697,052	\$ 559,086	\$ 932,458	\$ 747,898
6000	Transmission & Distrib.	601073	55 DRIFTWOOD CT, SAN RAFAEL-PRP	5/31/08	75	\$ 3,790	\$ 3,054	\$ 5,070	\$ 4,085
6000	Transmission & Distrib.	601074	RIDGEWOOD- MONTFORT RIGHT -OF-WAY PRP	4/30/08	75	\$ 144,708	\$ 116,514	\$ 193,578	\$ 155,863
6000	Transmission & Distrib.	601075	SOUTH KNOLL ROAD, MILL VALLEY- PEA	5/31/08	75	\$ 45,379	\$ 36,262	\$ 60,704	\$ 48,508
6000	Transmission & Distrib.	601077	90 THROCKMORTON AVENUE, M.V. - FL	5/31/08	75	\$ 9,035	\$ 7,282	\$ 12,086	\$ 9,741
6000	Transmission & Distrib.	601078	CONIFER WAY, WOODACRE- PIPELINE	5/31/08	75	\$ 13,470	\$ 10,855	\$ 18,019	\$ 14,521
6000	Transmission & Distrib.	601079	739 BRIDGEWAY, SAUSALITO- PIPELINE	5/31/08	75	\$ 4,194	\$ 3,381	\$ 5,611	\$ 4,522
6000	Transmission & Distrib.	601080	2006-07 FFMP STRAWBERRY POINT PRP	6/30/08	75	\$ 924,268	\$ 746,919	\$ 1,236,408	\$ 999,166
6000	Transmission & Distrib.	601081	CORNWALL STREET, MILL VALLEY-PEA	5/31/08	75	\$ 22,249	\$ 17,929	\$ 29,763	\$ 23,984
6000	Transmission & Distrib.	601082	VISTA GOLDEN STATE ESTATE, TIBURON-PIPELINE	5/31/08	75	\$ 30,413	\$ 24,514	\$ 40,683	\$ 32,792
6000	Transmission & Distrib.	601083	224 FOREST, FAIRFAX- HYDRANT	6/30/08	75	\$ 9,401	\$ 7,596	\$ 12,576	\$ 10,162
6000	Transmission & Distrib.	601084	155 PALM AVENUE, SAN RAFAEL- FL, HYD	6/30/08	75	\$ 21,462	\$ 17,340	\$ 28,710	\$ 23,196
6000	Transmission & Distrib.	601085	745 SFDB, SAN ANSELMO- FL	6/30/08	75	\$ 16,410	\$ 13,258	\$ 21,951	\$ 17,735
6000	Transmission & Distrib.	601086	115 SHORELINE HWY- FORESIDE HOUSING- FL	6/30/08	75	\$ 25,993	\$ 21,000	\$ 34,771	\$ 28,092
6000	Transmission & Distrib.	601087	40 CAZNEAU AVENUE, SAUSALITO-HYDR	6/30/08	75	\$ 7,240	\$ 5,855	\$ 9,685	\$ 7,833
6000	Transmission & Distrib.	601088	718 FOURTH STREET, SAN RAFAEL- FL	6/30/08	75	\$ 26,248	\$ 21,206	\$ 35,112	\$ 28,368
6000	Transmission & Distrib.	601089	MESA & ALTAMONT, MILL VALLEY- HYDR	6/30/08	75	\$ 12,458	\$ 10,065	\$ 16,665	\$ 13,464
6000	Transmission & Distrib.	601090	45 WOODLAND AVENUE, SAN RAFAEL- FL	7/19/08	75	\$ 15,130	\$ 12,255	\$ 20,240	\$ 16,394
6000	Transmission & Distrib.	601091	MERRYDALE ROAD, PILGRIM APTS, S.R.- FL	7/19/08	75	\$ 9,033	\$ 7,316	\$ 12,083	\$ 9,787
6000	Transmission & Distrib.	601092	305 MONTFORD AVENUE, MILL VALLEY- FL	7/31/08	75	\$ 11,428	\$ 9,256	\$ 15,287	\$ 12,382
6000	Transmission & Distrib.	601093	511 CALEDONIA STREET, SAUSALITO- FL	7/31/08	75	\$ 10,811	\$ 8,757	\$ 14,462	\$ 11,714
6000	Transmission & Distrib.	601094	40 PARK WAY, SAN ANSELMO- FL	7/31/08	75	\$ 12,111	\$ 9,810	\$ 16,201	\$ 13,123
6000	Transmission & Distrib.	601095	148 FRANCIS AVENUE, FAIRFAX- FL	7/31/08	75	\$ 13,342	\$ 10,807	\$ 17,848	\$ 14,457
6000	Transmission & Distrib.	601096	2006/07 FFMP LAGOON ROAD, BELVEDERE-PRP	6/30/08	75	\$ 666,145	\$ 539,607	\$ 891,113	\$ 721,841
6000	Transmission & Distrib.	601097	816 PANORAMIC, THROCKMORTON FIRE STATION- FL	9/30/08	75	\$ 14,253	\$ 11,545	\$ 19,066	\$ 15,444
6000	Transmission & Distrib.	601098	1327 LINCOLN AVENUE, S.R.- FL	9/30/08	75	\$ 18,696	\$ 15,144	\$ 25,010	\$ 20,258
6000	Transmission & Distrib.	601100	EVELYN AVENUE, MILL VALLEY- PIPELINE	9/30/08	75	\$ 16,145	\$ 13,078	\$ 21,598	\$ 17,494
6000	Transmission & Distrib.	601101	EAST FRANCISCO & MEDWAY ROAD, S.R.- HYDRANT	9/30/08	75	\$ 19,557	\$ 15,847	\$ 26,162	\$ 21,198
6000	Transmission & Distrib.	601102	3110 KERNER BLVD, S.R.- FL	9/30/08	75	\$ 3,617	\$ 2,929	\$ 4,838	\$ 3,919
6000	Transmission & Distrib.	601103	MISSION AVENUE & PARK STREET VALVE RELOCATION	9/30/08	75	\$ 5,971	\$ 4,836	\$ 7,987	\$ 6,469
6000	Transmission & Distrib.	601104	REDWOOD ROAD, FAIRFAX-PIPELINE	9/30/08	75	\$ 5,394	\$ 4,401	\$ 7,215	\$ 5,887
6000	Transmission & Distrib.	601105	LAVERNE AVENUE, M.V.- PIPELINE	9/30/08	75	\$ 22,759	\$ 18,420	\$ 30,445	\$ 24,640
6000	Transmission & Distrib.	601106	2007-08 FFMP SUMMIT/FAIRWAY DRIVE PRP	9/30/08	75	\$ 24,277	\$ 19,664	\$ 32,475	\$ 26,305
6000	Transmission & Distrib.	601107	BUTTERFIELD ROAD, S.A.- PRP	9/30/08	75	\$ 611,853	\$ 498,452	\$ 818,485	\$ 666,788
6000	Transmission & Distrib.	601108	313 TOWN CENTER, C.M.- FL	9/30/08	75	\$ 591,590	\$ 481,701	\$ 791,380	\$ 644,380
6000	Transmission & Distrib.	601111	2350 KERNER BLVD, S.R.- FL	9/30/08	75	\$ 12,554	\$ 10,169	\$ 16,794	\$ 13,603
6000	Transmission & Distrib.	601115	ACACIA AVE, DOMINICAN UNIV., S.R.- FL	9/30/08	75	\$ 29,705	\$ 24,061	\$ 39,737	\$ 32,187
6000	Transmission & Distrib.	601117	3230-3270 KERNER BLVD, S.R.- FL	9/30/08	75	\$ 7,532	\$ 6,101	\$ 10,076	\$ 8,161
6000	Transmission & Distrib.	601118	3240-3260 KERNER BLVD, S.R.- SVC	9/30/08	75	\$ 50,549	\$ 40,947	\$ 67,620	\$ 54,775
6000	Transmission & Distrib.	601119	MEDWAY ROAD & CANAL STREET, S.R.- H	9/30/08	75	\$ 32,095	\$ 25,997	\$ 42,934	\$ 34,776
6000	Transmission & Distrib.	601120	2130 REDWOOD HWY, GB- FL	9/30/08	75	\$ 14,186	\$ 11,491	\$ 18,977	\$ 15,371
6000	Transmission & Distrib.	601121	100 BAYO VISTA WAY, S.R.- FL	9/30/08	75	\$ 15,761	\$ 12,767	\$ 21,084	\$ 17,078
6000	Transmission & Distrib.	601122	2138 FOURTH STREET, S.R.- FL	9/30/08	75	\$ 5,184	\$ 4,223	\$ 6,935	\$ 5,649
6000	Transmission & Distrib.	601123	SECOND STREET, S.R.- H	9/30/08	75	\$ 27,620	\$ 22,487	\$ 36,948	\$ 30,082
6000	Transmission & Distrib.	601124	487-489 MILLER AVENUE, M.V.- PIPELINE	9/30/08	75	\$ 75,872	\$ 61,444	\$ 101,496	\$ 82,195

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601125	EAST BLITHDALE OFF RAMP PIPELINE CASING PJCT	9/30/08	75	\$ 115,235	\$ 93,340	\$ 154,152	\$ 124,863
6000	Transmission & Distrib.	601126	TAM VALLEY 2007/08 FFMP PRP	9/30/08	75	\$ 633,818	\$ 517,731	\$ 847,868	\$ 692,577
6000	Transmission & Distrib.	601127	2006/07 RECTIFIER ANODE @ 26 ELIZABETH WAY, S.R.	9/30/08	75	\$ 25,176	\$ 20,392	\$ 33,678	\$ 27,279
6000	Transmission & Distrib.	601128	36 CREST, FAIRFAX- HYDRANT UPGRADE	9/30/08	75	\$ 8,782	\$ 7,113	\$ 11,747	\$ 9,515
6000	Transmission & Distrib.	601129	181 HILLSIDE, FAIRFAX- HYDRANT UPGRADE	9/30/08	75	\$ 7,779	\$ 6,301	\$ 10,406	\$ 8,428
6000	Transmission & Distrib.	601130	134 FOREST, FAIRFAX- HYDRANT UPGRADE	9/30/08	75	\$ 9,750	\$ 7,897	\$ 13,043	\$ 10,565
6000	Transmission & Distrib.	601131	2007 SYSTEMS CORRECTIONS PROJECT	11/30/08	15	\$ 98,838	\$ 39,557	\$ 132,217	\$ 52,916
6000	Transmission & Distrib.	601133	NEVADA STREET, SAUSALITO- PRP	9/30/08	75	\$ 113,540	\$ 92,476	\$ 151,885	\$ 123,707
6000	Transmission & Distrib.	601134	SUMMIT AVENUE REGULATOR STATION REPLS	9/30/08	75	\$ 281,450	\$ 212,968	\$ 349,745	\$ 284,890
6000	Transmission & Distrib.	601135	19 SUNNYSIDE AVENUE, M.V - FL	10/31/08	75	\$ 3,628	\$ 2,962	\$ 4,854	\$ 3,962
6000	Transmission & Distrib.	601137	CARDINAL ROAD, MILL VALLEY PRP	11/30/08	75	\$ 56,157	\$ 45,955	\$ 75,122	\$ 61,475
6000	Transmission & Distrib.	601138	115 REED BOULEVARD, MILL VALLEY-H	10/31/08	75	\$ 6,715	\$ 5,439	\$ 8,982	\$ 7,276
6000	Transmission & Distrib.	601139	715 EAST FRANCISCO BLVD, S.R.- FL	10/31/08	75	\$ 4,962	\$ 4,019	\$ 6,638	\$ 5,377
6000	Transmission & Distrib.	601140	800 MAGNOLIA AVENUE, LARKSPUR- FL	10/31/08	75	\$ 3,364	\$ 2,746	\$ 4,500	\$ 3,673
6000	Transmission & Distrib.	601141	342 TAMALPAIS DRIVE, C.M.- FL	10/31/08	75	\$ 24,318	\$ 19,828	\$ 32,530	\$ 26,525
6000	Transmission & Distrib.	601142	FAIRFAX HILLS PIPELINE	11/30/08	75	\$ 44,720	\$ 36,223	\$ 59,823	\$ 48,457
6000	Transmission & Distrib.	601143	1115 SECOND STREET, SAN RAFAEL- FL	12/31/08	75	\$ 32,790	\$ 26,901	\$ 43,863	\$ 35,986
6000	Transmission & Distrib.	601144	MEDWAY ROAD, SAN RAFAEL- PRP	12/31/08	75	\$ 216,191	\$ 177,453	\$ 289,202	\$ 237,381
6000	Transmission & Distrib.	601145	610 DRAKE AVENUE, MLK MIDDLE SCHOOL, MARIN CITY	12/31/08	75	\$ 15,215	\$ 12,490	\$ 20,354	\$ 16,708
6000	Transmission & Distrib.	601147	PARADISE DRIVE, TIBURON- FL	1/31/09	75	\$ 13,446	\$ 10,891	\$ 17,441	\$ 14,128
6000	Transmission & Distrib.	601148	33" ACCP PIPELINE CORROSION STUDY	1/31/09	1	\$ 59,933	\$ -	\$ 77,741	\$ -
6000	Transmission & Distrib.	601149	5001 DRAKE BLVD, WA- H	1/31/09	75	\$ 3,974	\$ 3,219	\$ 5,155	\$ 4,175
6000	Transmission & Distrib.	601150	39 TRELLIS DRIVE, SAN RAFAEL- FL	2/2/09	75	\$ 5,278	\$ 4,275	\$ 6,846	\$ 5,546
6000	Transmission & Distrib.	601151	LARKSPUR FERRY TERMINAL-H	1/31/09	75	\$ 3,088	\$ 2,501	\$ 4,005	\$ 3,244
6000	Transmission & Distrib.	601152	332 MILLER AVENUE, MILL VALLEY-FL	1/31/09	75	\$ 2,496	\$ 2,022	\$ 3,238	\$ 2,622
6000	Transmission & Distrib.	601153	734 A STREET, SAN RAFAEL- FL	1/31/09	75	\$ 12,199	\$ 9,881	\$ 15,824	\$ 12,817
6000	Transmission & Distrib.	601154	SHAVER GRADE PIPELINE	1/31/09	75	\$ 3,241,732	\$ 2,666,700	\$ 4,204,954	\$ 3,459,061
6000	Transmission & Distrib.	601155	SANTA MARGARITA BYPASS MAINLINE VALVE	1/31/09	75	\$ 6,169	\$ 4,997	\$ 8,002	\$ 6,481
6000	Transmission & Distrib.	601156	1535 SIR FRANCIS DRAKE BLVD- H	1/31/09	75	\$ 32,895	\$ 27,058	\$ 42,669	\$ 35,097
6000	Transmission & Distrib.	601157	121 CYPRESS AVENUE, KENTFIELD- H	2/28/09	75	\$ 12,554	\$ 10,341	\$ 16,284	\$ 13,414
6000	Transmission & Distrib.	601158	GREENBRAE BOARDWALK HYDRANT UPGRADES	2/28/09	75	\$ 5,422	\$ 4,471	\$ 7,034	\$ 5,800
6000	Transmission & Distrib.	601159	2002/03 PIPELINE REPLACEMENT	3/31/09	75	\$ 49,849	\$ 40,377	\$ 64,660	\$ 52,375
6000	Transmission & Distrib.	601161	GROUND SAMPLING STATIONS	3/31/09	75	\$ 41,737	\$ 33,807	\$ 54,139	\$ 43,852
6000	Transmission & Distrib.	601165	13 HAWTHORNE COURT PIPELINE CROSSING RESTORATION	3/31/09	75	\$ 6,000	\$ 4,935	\$ 7,783	\$ 6,401
6000	Transmission & Distrib.	601167	WATER QUALITY SAMPLE STATION REPLS	3/31/09	15	\$ 52,096	\$ 20,855	\$ 67,576	\$ 27,051
6000	Transmission & Distrib.	601168	WASHINGTON AT JEFFERSON, SAN RAFAEL- H	3/31/09	75	\$ 7,548	\$ 6,240	\$ 9,791	\$ 8,094
6000	Transmission & Distrib.	601169	REG. & VAULT BUTTERFIELD & ARROYO ROAD, S.A.	3/31/09	75	\$ 420	\$ 340	\$ 544	\$ 441
6000	Transmission & Distrib.	601170	1002 SECOND STREET, SAN RAFAEL- FL	3/31/09	75	\$ 4,817	\$ 3,982	\$ 6,248	\$ 5,165
6000	Transmission & Distrib.	601171	55 GATE 5 ROAD, SAUSALITO-FL	3/31/09	75	\$ 4,389	\$ 3,628	\$ 5,693	\$ 4,706
6000	Transmission & Distrib.	601172	149 & 153 THROCKMORTON, MILL VALLEY- FL	3/31/09	75	\$ 12,842	\$ 10,605	\$ 16,658	\$ 13,756
6000	Transmission & Distrib.	601173	MAIN STREET SQ, H	3/31/09	75	\$ 20,425	\$ 16,888	\$ 26,494	\$ 21,906
6000	Transmission & Distrib.	601174	520 THIRD STREET- S.R.- FL	3/31/09	75	\$ 9,788	\$ 8,094	\$ 12,696	\$ 10,499
6000	Transmission & Distrib.	601175	JACOBY STREET, S.R.- FL #8937F	3/31/09	75	\$ 19,339	\$ 15,987	\$ 25,085	\$ 20,737
6000	Transmission & Distrib.	601176	2008-09 CORROSION CONTROL TEST STATION REHAB	3/31/09	75	\$ 99,432	\$ 82,419	\$ 128,976	\$ 106,909
6000	Transmission & Distrib.	601177	LINCOLN AVENUE HYDRANTS	4/23/09	75	\$ 36,495	\$ 30,245	\$ 47,339	\$ 39,232
6000	Transmission & Distrib.	601178	CENTRAL SAN RAFAEL PIPELINE RELOCATION PROJECT	5/31/09	75	\$ 1,503,057	\$ 1,339,423	\$ 1,949,663	\$ 1,737,409
6000	Transmission & Distrib.	601180	2006/07 FFMP GLENWOOD AREA PRP	5/31/09	75	\$ 842,145	\$ 699,838	\$ 1,092,373	\$ 907,782
6000	Transmission & Distrib.	601181	MAIN STREET, SAN QUENTIN- H 05697	5/31/09	75	\$ 8,533	\$ 7,094	\$ 11,068	\$ 9,201
6000	Transmission & Distrib.	601182	SWIG TANK SLIDE AREA PRP	5/31/09	75	\$ 58,832	\$ 48,879	\$ 76,312	\$ 63,403
6000	Transmission & Distrib.	601183	TERRACE AVENUE, KENTFIELD PRP	5/31/09	75	\$ 3,046	\$ 2,531	\$ 3,951	\$ 3,283
6000	Transmission & Distrib.	601184	PINE COURT, KENTFIELD PRP	6/30/09	75	\$ 67,324	\$ 56,075	\$ 87,327	\$ 72,737

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601185	2008-09 FFMP CHAPMAN PARK PRP	6/30/09	75	\$ 339,955	\$ 282,596	\$ 440,966	\$ 366,564
6000	Transmission & Distrib.	601186	49 MARGARITA ROAD, FAIRFAX-HYDRANT	6/30/09	75	\$ 9,353	\$ 7,771	\$ 12,132	\$ 10,080
6000	Transmission & Distrib.	601187	70 ROCK ROAD, KENTIFIELD PIPELINE RELOCATION PJCT	6/30/09	75	\$ 94,184	\$ 78,239	\$ 122,169	\$ 101,486
6000	Transmission & Distrib.	601188	18 ACAIA DRIVE, TIBURON-HYDRANT	10/31/09	75	\$ 6,997	\$ 5,843	\$ 9,076	\$ 7,579
6000	Transmission & Distrib.	601189	1660 2ND STREET, S.R.- FL	10/31/09	75	\$ 9,955	\$ 8,313	\$ 12,913	\$ 10,783
6000	Transmission & Distrib.	601190	501 SFDB, GREENBRAE- FL	10/31/09	75	\$ 11,192	\$ 9,345	\$ 14,517	\$ 12,122
6000	Transmission & Distrib.	601191	735 SFDB, SAN ANSELMO- FL	10/31/09	75	\$ 14,564	\$ 12,161	\$ 18,891	\$ 15,774
6000	Transmission & Distrib.	601193	1185 TIBURON BLVD, TIBURON-FL	10/31/09	75	\$ 16,868	\$ 14,085	\$ 21,880	\$ 18,270
6000	Transmission & Distrib.	601194	632 IRWIN STREET, S.R.- FL UPGRADE 6" TO 8"	10/31/09	75	\$ 21,338	\$ 17,817	\$ 27,678	\$ 23,111
6000	Transmission & Distrib.	601195	501 MEADOW WAY, SAN GERONOMO-H	10/31/09	75	\$ 6,666	\$ 5,596	\$ 8,647	\$ 7,258
6000	Transmission & Distrib.	601196	619 CANAL STREET, S.R.- FL	10/31/09	75	\$ 4,948	\$ 4,133	\$ 6,418	\$ 5,361
6000	Transmission & Distrib.	601198	3RD & UNION STREET, S.R.- H	10/31/09	75	\$ 23,303	\$ 19,507	\$ 30,227	\$ 25,303
6000	Transmission & Distrib.	601199	GRANLEE ROAD, S.R.- PEA	10/31/09	75	\$ 16,501	\$ 13,882	\$ 21,404	\$ 18,006
6000	Transmission & Distrib.	601200	501 & 503 CALEDONIA STREET, SAUSALITO- FL	10/31/09	75	\$ 7,520	\$ 6,311	\$ 9,755	\$ 8,186
6000	Transmission & Distrib.	601201	ETHEL AVENUE, MILL VALLEY, PRP	10/31/09	75	\$ 47,568	\$ 38,844	\$ 61,701	\$ 50,386
6000	Transmission & Distrib.	601202	ROSS PIPELINE REPLACEMENT PROJECT	10/31/09	75	\$ 143,552	\$ 120,487	\$ 186,206	\$ 156,287
6000	Transmission & Distrib.	601203	HERRERA COURT, S.A., REGULATOR AUTOMATION PJCT	10/31/09	75	\$ 173,814	\$ 145,511	\$ 225,460	\$ 188,746
6000	Transmission & Distrib.	601204	2008-09 FFMP CHRISTMAS TREE HILL, C.M., PRP	10/31/09	75	\$ 513,591	\$ 428,854	\$ 666,195	\$ 556,280
6000	Transmission & Distrib.	601205	2008-09 FFMP BALTIMORE CANYON, LK, PRP	10/31/09	75	\$ 418,195	\$ 349,207	\$ 542,454	\$ 452,967
6000	Transmission & Distrib.	601206	3RD & UNION STREET, S.R.- PIPING OFFSET	10/31/09	75	\$ 14,551	\$ 12,150	\$ 18,875	\$ 15,760
6000	Transmission & Distrib.	601207	2007-08 SAN ANSELMO AREA PRP	10/31/09	75	\$ 925,911	\$ 773,722	\$ 1,201,029	\$ 1,003,619
6000	Transmission & Distrib.	601208	CROWN COURT, M.V. PRP	10/31/09	75	\$ 132,064	\$ 110,669	\$ 171,305	\$ 143,552
6000	Transmission & Distrib.	601209	EAST CORTE MADERA PRP	10/31/09	75	\$ 488,914	\$ 409,617	\$ 634,186	\$ 531,328
6000	Transmission & Distrib.	601210	2008-09 PRP BLACKFIELD & VISTAZO EAST, TIBURON	10/31/09	75	\$ 490,897	\$ 411,997	\$ 636,758	\$ 534,415
6000	Transmission & Distrib.	601211	END OF BROADVIEW UPGRADE, S.R.- H	10/31/09	75	\$ 10,899	\$ 9,146	\$ 14,138	\$ 11,864
6000	Transmission & Distrib.	601212	GUNSITE PASS, ACCESS IMPROVEMENTS	10/31/09	75	\$ 115,242	\$ 96,227	\$ 149,485	\$ 124,820
6000	Transmission & Distrib.	601213	55 TAPPAN ROAD, SAN ANSELMO- FL	11/30/09	75	\$ 5,283	\$ 4,446	\$ 6,852	\$ 5,766
6000	Transmission & Distrib.	601214	WEST HARBOR & CYPRESS PLACE, SAUSALITO- H	11/30/09	75	\$ 11,334	\$ 9,558	\$ 14,701	\$ 12,398
6000	Transmission & Distrib.	601216	PACHECO AVENUE, FAIRFAX- PRP	11/30/09	75	\$ 34,280	\$ 28,624	\$ 44,466	\$ 37,129
6000	Transmission & Distrib.	601218	75 MAGNOLIA AVENUE, S.R.- FL	11/30/09	75	\$ 10,615	\$ 8,952	\$ 13,770	\$ 11,612
6000	Transmission & Distrib.	601219	NORTH MARIN LINE @ SGV GOLF COURSE	12/31/09	75	\$ 59,896	\$ 50,013	\$ 77,693	\$ 64,873
6000	Transmission & Distrib.	601220	RESACA AVENUE PIPELINE REPAIR, FOREST KNOLLS	12/31/09	75	\$ 22,118	\$ 18,468	\$ 28,690	\$ 23,956
6000	Transmission & Distrib.	601221	CITY FIRE HYDRANTS (2 NEW,3 UPGRADES) M.V. VARIOUS	12/31/09	75	\$ 44,664	\$ 37,759	\$ 57,935	\$ 48,979
6000	Transmission & Distrib.	601222	114 FRANCIS, FAIRFAX- HYDRANT	12/31/09	75	\$ 13,250	\$ 11,147	\$ 17,187	\$ 14,459
6000	Transmission & Distrib.	601223	CLORINDA AVENUE, S.R., PIPELINE PROJECT	12/31/09	75	\$ 63,061	\$ 52,656	\$ 81,799	\$ 68,302
6000	Transmission & Distrib.	601224	AUTOMATIC CONTROL VALVES REPLS	1/31/10	75	\$ 161,870	\$ 135,161	\$ 204,432	\$ 170,701
6000	Transmission & Distrib.	601225	70 BRET HARTE ROAD, S.R.- ABANDONED PIPELINE	1/31/10	1	\$ 6,613	\$ -	\$ 8,352	\$ -
6000	Transmission & Distrib.	601226	NORTHGATE MALL RENOVATION PHASE I	1/31/10	75	\$ 76,115	\$ 64,515	\$ 96,128	\$ 81,479
6000	Transmission & Distrib.	601227	DRAKES WAY, LARKSPUR PEA	2/28/10	75	\$ 33,343	\$ 28,337	\$ 42,111	\$ 35,787
6000	Transmission & Distrib.	601229	2009/10 FFMP FERN CANYON ROAD, M.V., EASEMENT PRP	3/31/10	75	\$ 67,669	\$ 57,736	\$ 85,461	\$ 72,918
6000	Transmission & Distrib.	601230	SAN ANSELMO AVENUE PRP	3/31/10	75	\$ 883,741	\$ 752,512	\$ 1,116,114	\$ 950,379
6000	Transmission & Distrib.	601231	505 MILLER AVENUE, M.V. PEA	2/28/10	75	\$ 43,651	\$ 37,085	\$ 55,128	\$ 46,836
6000	Transmission & Distrib.	601233	BEACH ROAD, TIBURON-PRP	3/31/10	75	\$ 372,037	\$ 317,456	\$ 469,862	\$ 400,928
6000	Transmission & Distrib.	601234	19 & 21 PRINCESS STREET, SAUSALITO- FL	3/11/10	75	\$ 8,367	\$ 7,109	\$ 10,567	\$ 8,978
6000	Transmission & Distrib.	601235	39 FERNHILL AVENUE, ROSS- FL	3/26/10	75	\$ 21,992	\$ 18,731	\$ 27,774	\$ 23,656
6000	Transmission & Distrib.	601236	2009/10 RECTIFIER ANODE REPLS- GATE 6 ROAD, SAUS.	3/31/10	75	\$ 11,014	\$ 4,864	\$ 13,910	\$ 6,143
6000	Transmission & Distrib.	601238	2006/07 FFMP COUNTRY CLUB PRP	3/31/10	75	\$ 31,953	\$ 27,080	\$ 40,354	\$ 34,200
6000	Transmission & Distrib.	601239	1100 ANDERSEN DRIVE, S.R.- FL	3/31/10	75	\$ 1,295,525	\$ 1,103,357	\$ 1,636,174	\$ 1,393,476
6000	Transmission & Distrib.	601240	HARBOR DRIVE, SAUSALITO PEA	5/27/10	75	\$ 16,201	\$ 13,866	\$ 20,461	\$ 17,512
6000	Transmission & Distrib.	601241	1325-1337 FOURTH STREET, S.R.- FL	6/30/10	75	\$ 26,994	\$ 23,158	\$ 34,092	\$ 29,248
6000	Transmission & Distrib.	601243		6/30/10	75	\$ 32,314	\$ 27,774	\$ 40,811	\$ 35,077

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601244	249 CRESCENT ROAD, SAN ANSELMO	6/30/10	75	\$ 14,157	\$ 12,146	\$ 17,879	\$ 15,340
6000	Transmission & Distrib.	601245	200 WOODLAND ROAD, KENTFIELD- FL	6/30/10	75	\$ 7,024	\$ 6,027	\$ 8,871	\$ 7,611
6000	Transmission & Distrib.	601246	TAPPAN ROAD, SAN ANSELMO PEA	6/30/10	75	\$ 33,792	\$ 29,014	\$ 42,677	\$ 36,643
6000	Transmission & Distrib.	601247	2009-10 FFMP MEADOWSWEET DRIVE, C.M. PRP	6/30/10	75	\$ 339,180	\$ 291,151	\$ 428,365	\$ 367,707
6000	Transmission & Distrib.	601248	695 BRIDGEWAY, SAUSALITO- FL	7/31/10	75	\$ 12,307	\$ 10,584	\$ 15,543	\$ 13,367
6000	Transmission & Distrib.	601249	SIR FRANCIS DRAKE BOULEVARD, ROSS- PRP	6/30/10	75	\$ 820,844	\$ 704,337	\$ 1,036,679	\$ 889,537
6000	Transmission & Distrib.	601250	350 HILLSIDE PRP	6/30/10	75	\$ 52,086	\$ 44,810	\$ 65,781	\$ 56,592
6000	Transmission & Distrib.	601251	35 MAIN STREET, TIBURON- FL	6/30/10	75	\$ 8,566	\$ 7,350	\$ 10,819	\$ 9,282
6000	Transmission & Distrib.	601252	HYDRANT BODY REPLACEMENTS FY2006	6/30/10	75	\$ 18,349	\$ 15,322	\$ 23,174	\$ 19,351
6000	Transmission & Distrib.	601255	FIRELINE RETROFITS FY2010	8/31/10	75	\$ 47,809	\$ 41,166	\$ 60,380	\$ 51,991
6000	Transmission & Distrib.	601256	SUMMIT AVENUE PRP	10/31/10	75	\$ 212,893	\$ 183,140	\$ 268,872	\$ 231,295
6000	Transmission & Distrib.	601257	2009-10 FFMP SUMMIT AVENUE PRP	11/30/10	75	\$ 439,893	\$ 379,901	\$ 555,560	\$ 479,793
6000	Transmission & Distrib.	601258	SEYMOUR LANE, MILL VALLEY PIPELINE RELOCATION	9/13/10	75	\$ 18,037	\$ 15,512	\$ 22,780	\$ 19,591
6000	Transmission & Distrib.	601259	2009-10 FFMP BAYSIDE ACRES, S.R., PRP	10/31/10	75	\$ 855,096	\$ 737,468	\$ 1,079,937	\$ 931,380
6000	Transmission & Distrib.	601260	CALEDONIA STREET, SAUSALITO, PRP	10/31/10	75	\$ 31,555	\$ 27,272	\$ 39,853	\$ 34,443
6000	Transmission & Distrib.	601261	STURDIVANT AVENUE, SAN ANSELMO- PRP	10/18/10	75	\$ 81,672	\$ 70,584	\$ 103,147	\$ 89,143
6000	Transmission & Distrib.	601263	WOODSIDE WAY, ROSS, PRP	11/30/10	75	\$ 49,938	\$ 42,890	\$ 63,068	\$ 54,168
6000	Transmission & Distrib.	601264	630 NEVADA STREET, BAYSIDE SCHOOL- HYDRANT	10/28/10	75	\$ 13,804	\$ 11,958	\$ 17,434	\$ 15,102
6000	Transmission & Distrib.	601265	ALLYN AVENUE PIPELINE STABILIZATION & REPAIR	12/22/10	75	\$ 25,147	\$ 21,626	\$ 31,759	\$ 27,312
6000	Transmission & Distrib.	601266	OAK SPRINGS DRIVE PIPELINE STORM DAMAGE REPAIR	12/29/10	75	\$ 220,793	\$ 189,882	\$ 278,849	\$ 239,810
6000	Transmission & Distrib.	601267	MARINA VISTA PIPELINE PROJECT	12/29/10	75	\$ 150,376	\$ 129,323	\$ 189,916	\$ 163,328
6000	Transmission & Distrib.	601268	MARIN CITY , USA	12/29/10	75	\$ 236,811	\$ 203,657	\$ 299,078	\$ 257,207
6000	Transmission & Distrib.	601270	FAWN DRIVE PIPELINE	12/30/10	75	\$ 341,924	\$ 297,881	\$ 413,881	\$ 376,206
6000	Transmission & Distrib.	601271	WOODACRE PIPELINE REPLACEMENT PROJECT	12/31/10	75	\$ 650,957	\$ 566,073	\$ 797,829	\$ 693,793
6000	Transmission & Distrib.	601272	LARKSPUR & CORTE MADERA PRP	1/31/11	75	\$ 12,425	\$ 10,686	\$ 15,692	\$ 13,495
6000	Transmission & Distrib.	601273	LUCKY DRIVE OFFSET	12/31/10	75	\$ 24,131	\$ 20,753	\$ 30,477	\$ 26,210
6000	Transmission & Distrib.	601274	PASTORI AVENUE PIPELINE OFFSET PJCT, FX	12/31/10	75	\$ 17,790	\$ 15,300	\$ 22,468	\$ 19,323
6000	Transmission & Distrib.	601275	HAWTHORNE COURT, FX, PRP	12/31/10	75	\$ 515,869	\$ 444,584	\$ 651,514	\$ 561,484
6000	Transmission & Distrib.	601276	FAIRFAX PRP	12/31/10	75	\$ 1,607,080	\$ 1,400,254	\$ 1,969,677	\$ 1,716,186
6000	Transmission & Distrib.	601277	OLEMA ROAD PIPELINE RELOCATION PJCT	12/31/10	75	\$ 411,450	\$ 358,156	\$ 519,638	\$ 452,331
6000	Transmission & Distrib.	601278	2009-10 FFMP PHOENIX LAKE RD PIPELINE SEISMIC REL	1/31/11	75	\$ 285	\$ -	\$ 349	\$ -
6000	Transmission & Distrib.	601280	333 BISCAYNE DRIVE, S.R.- FL/ SVC	2/28/11	1	\$ 11,159	\$ 9,759	\$ 13,676	\$ 11,961
6000	Transmission & Distrib.	601281	124 E. BLITHDALE AVENUE, M.V.- FL	2/28/11	75	\$ 16,487	\$ 14,384	\$ 20,206	\$ 17,630
6000	Transmission & Distrib.	601282	717 E. FRANCISCO BLVD, S.R.- FL	2/28/11	75	\$ 6,724	\$ 5,882	\$ 8,242	\$ 7,209
6000	Transmission & Distrib.	601283	1820 SIR FRANCIS DRAKE BLVD, FX- FL	2/28/11	75	\$ 11,137	\$ 9,601	\$ 13,649	\$ 11,767
6000	Transmission & Distrib.	601284	128 FRUSTRUCK AVENUE, FX.- H	2/28/11	75	\$ 10,372	\$ 9,071	\$ 12,712	\$ 11,118
6000	Transmission & Distrib.	601285	903 LINCOLN AVENUE, S.R.- FL	2/28/11	75	\$ 11,939	\$ 10,417	\$ 14,633	\$ 12,767
6000	Transmission & Distrib.	601286	68 & 70 WOODLAND AVE., S.R.- FL	2/28/11	75	\$ 6,816	\$ 5,975	\$ 8,354	\$ 7,323
6000	Transmission & Distrib.	601287	CANAL STREET, S.R. HYDRANT RELOCATIONS	3/31/11	75	\$ 10,613	\$ -	\$ 13,007	\$ -
6000	Transmission & Distrib.	601288	LARKSPUR LANDING CIRCLE	3/31/11	1	\$ 4,508	\$ 3,924	\$ 5,526	\$ 4,810
6000	Transmission & Distrib.	601289	LARKSPUR SMART STATION CASING EXTENSION PROJECT	3/31/11	75	\$ 17,427	\$ 14,987	\$ 21,358	\$ 18,368
6000	Transmission & Distrib.	601291	2007/08 RECTIFIER ANODE REPLS	3/31/11	75	\$ 180,236	\$ 155,003	\$ 220,902	\$ 189,976
6000	Transmission & Distrib.	601294	2008/09 SYSTEMS CORRECTIONS	3/31/11	75	\$ 30,676	\$ 26,381	\$ 37,597	\$ 32,334
6000	Transmission & Distrib.	601295	2008/09 RECTIFIER ANODE REPLS	3/31/11	75	\$ 16,188	\$ 10,724	\$ 19,840	\$ 13,144
6000	Transmission & Distrib.	601296	MITCHELL BLVD RECTIFIER ANODE REPLS	3/31/11	20	\$ 129,450	\$ 113,505	\$ 158,657	\$ 139,115
6000	Transmission & Distrib.	601297	2009/10 SYSTEMS CORRECTIONS	3/31/11	75	\$ 108,674	\$ 93,480	\$ 133,194	\$ 114,572
6000	Transmission & Distrib.	601299	2009/10 CORROSION TEST STATION REHAB	5/31/11	75	\$ 843,395	\$ 740,203	\$ 1,033,686	\$ 907,211
6000	Transmission & Distrib.	601300	SAN RAFAEL PIPELINE REPLACEMENT PJCT	4/30/11	75	\$ 132,961	\$ 114,346	\$ 162,960	\$ 140,146
6000	Transmission & Distrib.	601301	FACILITY CAPITAL MAINTENANCE PRP	4/30/11	75	\$ 158,868	\$ 136,808	\$ 194,713	\$ 167,675
6000	Transmission & Distrib.	601302	WOODLAND ROAD EASEMENT PRP	4/30/11	75	\$ -	\$ -	\$ -	\$ -

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601303	2009/10 FFMP GREENBRAE PRP	6/30/11	75	\$ 902,261	\$ 791,154	\$ 1,105,833	\$ 969,658
6000	Transmission & Distrib.	601304	2009-10 BUNGALOW AVENUE, S.R. PRP	4/30/11	75	\$ 232,081	\$ 201,293	\$ 284,444	\$ 246,710
6000	Transmission & Distrib.	601305	LOMITA DRIVE, M.V., PRP	5/31/11	75	\$ 237,345	\$ 215,786	\$ 290,896	\$ 264,473
6000	Transmission & Distrib.	601306	VIA LOS ALTOS, TIBURON, HYDRANT LOCATE	5/31/11	75	\$ 15,722	\$ 13,783	\$ 19,269	\$ 16,892
6000	Transmission & Distrib.	601307	97 SHADY LANE, ROSS-FL	5/31/11	75	\$ 21,564	\$ 18,905	\$ 26,430	\$ 23,170
6000	Transmission & Distrib.	601308	9 LAGUNITAS ROAD, ROSS-FL	6/30/11	75	\$ 28,999	\$ 25,544	\$ 35,542	\$ 31,307
6000	Transmission & Distrib.	601309	LAUREL GROVE AVENUE, S.A.- PRP	6/30/11	75	\$ 50,502	\$ 44,839	\$ 61,896	\$ 54,956
6000	Transmission & Distrib.	601310	2009-10 FFMP THROCKMORTON AREA PRP	6/1/11	75	\$ 872,867	\$ 760,199	\$ 1,069,808	\$ 931,719
6000	Transmission & Distrib.	601311	VINEYARD AVENUE, SAN ANSELMO- HYDRANT (2)	10/31/11	75	\$ 18,315	\$ 16,209	\$ 22,448	\$ 19,866
6000	Transmission & Distrib.	601312	17 THROCKMORTON AVENUE, MILL VALLEY- FL	10/31/11	75	\$ 14,061	\$ 12,444	\$ 17,234	\$ 15,252
6000	Transmission & Distrib.	601313	30 CASTRO AVENUE, SAN RAFAEL- FL	10/31/11	75	\$ 10,427	\$ 9,250	\$ 12,780	\$ 11,337
6000	Transmission & Distrib.	601314	475 EAST STRAWBERRY DRIVE, MILL VALLEY- FL	10/31/11	75	\$ 12,843	\$ 11,366	\$ 15,740	\$ 13,930
6000	Transmission & Distrib.	601315	REDWOOD AVENUE, CORTE MADERA, PRP	10/31/11	75	\$ 69,053	\$ 61,112	\$ 84,633	\$ 74,900
6000	Transmission & Distrib.	601316	323 PINE STREET, SAUSALITO- FL	10/31/11	75	\$ 18,282	\$ 16,180	\$ 22,407	\$ 19,831
6000	Transmission & Distrib.	601317	425 BELVEDERE AVENUE, BELVEDERE- FL	10/31/11	75	\$ 14,134	\$ 12,508	\$ 17,323	\$ 15,331
6000	Transmission & Distrib.	601318	DOHERTY DRIVE, LARKSPUR- PEA	10/31/11	75	\$ 96,663	\$ 85,734	\$ 118,472	\$ 105,078
6000	Transmission & Distrib.	601319	DEBURGH DRIVE PRESSURE RELIEF VALVE PROJECT	10/31/11	15	\$ 26,440	\$ 15,864	\$ 32,405	\$ 19,443
6000	Transmission & Distrib.	601320	1001 CRESTA DRIVE, SAN RAFAEL- FL	10/31/11	75	\$ 7,183	\$ 6,357	\$ 8,803	\$ 7,791
6000	Transmission & Distrib.	601321	SOUTH ELUSEO PIPELINE RELOCATION (RVSD REQUEST)	10/31/11	75	\$ 18,836	\$ 16,687	\$ 23,085	\$ 20,453
6000	Transmission & Distrib.	601322	MILLER AVENUE AREA PIPELINE REPLS PJCT	10/31/11	75	\$ 495,970	\$ 442,200	\$ 607,873	\$ 541,971
6000	Transmission & Distrib.	601323	161 RIDGEWAY AVENUE, FAIRFAX- H	10/31/11	75	\$ 17,234	\$ 15,324	\$ 21,123	\$ 18,782
6000	Transmission & Distrib.	601324	850 FOURTH STREET, S.R.- FL	10/31/11	75	\$ 18,130	\$ 16,158	\$ 22,221	\$ 19,804
6000	Transmission & Distrib.	601325	2202 FIFTH AVENUE, S.R.- FL	10/31/11	75	\$ 12,019	\$ 10,712	\$ 14,731	\$ 13,129
6000	Transmission & Distrib.	601326	1515 LINCOLN AVENUE, S.R.- FL	10/31/11	75	\$ 55,807	\$ 49,506	\$ 68,399	\$ 60,675
6000	Transmission & Distrib.	601328	161 STETSON AVENUE, CORTE MADERA PIPELINE	10/31/11	75	\$ 7,729	\$ 7,128	\$ 9,473	\$ 8,736
6000	Transmission & Distrib.	601329	MILL VALLEY PRP	10/31/11	75	\$ 629,524	\$ 561,139	\$ 771,560	\$ 687,746
6000	Transmission & Distrib.	601330	435 DEBOIS STREET, SAN RAFAEL- FL	11/30/11	75	\$ 4,494	\$ 3,977	\$ 5,508	\$ 4,874
6000	Transmission & Distrib.	601331	835 Fifth Avenue, SR (9069F)	11/30/11	75	\$ 19,966	\$ 17,837	\$ 24,471	\$ 21,861
6000	Transmission & Distrib.	601332	REDWOOD DR PIPELINE REPLACEMENT	2/1/12	75	\$ 28,688	\$ 26,616	\$ 34,261	\$ 31,787
6000	Transmission & Distrib.	601333	SAN RAFAEL PIPELINE REPLACEMENT	2/1/12	75	\$ 684,695	\$ 635,543	\$ 817,722	\$ 759,020
6000	Transmission & Distrib.	601334	76 TAMALPAIS RD HYDRANT (HY-01291)	3/1/12	75	\$ 10,619	\$ 9,574	\$ 12,682	\$ 11,435
6000	Transmission & Distrib.	601335	FIRELINE 6"-78 TAMALPAIS RD, GREENBRACE (9051F)	1/12/12	75	\$ 8,196	\$ 7,356	\$ 9,788	\$ 8,785
6000	Transmission & Distrib.	601336	FIRELINE 4"-78 19 CORTE MADERA AVE, MV (9075F)	1/12/12	75	\$ 19,386	\$ 17,399	\$ 23,152	\$ 20,779
6000	Transmission & Distrib.	601337	2010/11 FFMP ROSS VALLEY PIPELINE REPLACEMENT	4/1/12	75	\$ 1,053,085	\$ 952,552	\$ 1,257,685	\$ 1,137,620
6000	Transmission & Distrib.	601338	2010/11 FFMP KENT WOODLANDS PHASSE I PRP	4/1/12	75	\$ 930,467	\$ 840,959	\$ 1,111,244	\$ 1,004,346
6000	Transmission & Distrib.	601339	2010/11 FFMP KENT WOODLANDS PHASSE II PRP	4/1/12	75	\$ 1,163,499	\$ 1,051,781	\$ 1,389,551	\$ 1,256,128
6000	Transmission & Distrib.	601340	HYDRANT BODY UPGRADES FY 2010 & FY 2011	5/1/12	75	\$ 13,926	\$ 12,614	\$ 16,631	\$ 15,065
6000	Transmission & Distrib.	601341	155 MARINWOOD AVE, SAN RAFAEL- FL	3/26/12	75	\$ 15,597	\$ 14,063	\$ 18,627	\$ 17,396
6000	Transmission & Distrib.	601342	MT. SHASTA COURT PIPELINE REPLACEMENT	6/30/12	75	\$ 52,883	\$ 48,025	\$ 63,157	\$ 57,355
6000	Transmission & Distrib.	601343	2011-12 WOODACRE PIPELINE REPLACEMENT PROJECT	6/30/12	75	\$ 779,744	\$ 707,979	\$ 931,238	\$ 845,530
6000	Transmission & Distrib.	601344	2011-12 FFMP JORDAN AVE PIPELINE REPLACEMENT	6/30/12	75	\$ 439,579	\$ 400,575	\$ 524,983	\$ 478,401
6000	Transmission & Distrib.	601345	2011-12 FFMP NORTH ALMENA PIPELINE REPLACEMENT	6/30/12	75	\$ 269,701	\$ 244,907	\$ 322,100	\$ 292,489
6000	Transmission & Distrib.	601347	180 MERRYDALE ROAD, S.R.- FL	12/22/11	75	\$ 17,135	\$ 15,343	\$ 21,001	\$ 18,805
6000	Transmission & Distrib.	601348	3 SKY OAKS ROAD, FAIRFAX- FIRELINE	4/30/12	75	\$ 11,919	\$ 10,772	\$ 14,235	\$ 12,864
6000	Transmission & Distrib.	601349	25 THIRD STREET, SAN RAFAEL- FIRELINE	4/5/12	75	\$ 12,463	\$ 11,264	\$ 14,885	\$ 13,452
6000	Transmission & Distrib.	601350	42-46 MAIN STREET, TIBURON- FIRELINE	5/22/12	75	\$ 13,460	\$ 12,193	\$ 16,075	\$ 14,562
6000	Transmission & Distrib.	601351	917, 919 & 921 FOURTH STREET, SAN RAFAEL- FIRELINE	6/30/12	75	\$ 21,664	\$ 19,698	\$ 25,873	\$ 23,524
6000	Transmission & Distrib.	601352	1 TRIPLE C RANCH, SAN ANSELMO- FIRELINE	6/30/12	75	\$ 9,637	\$ 8,749	\$ 11,509	\$ 10,449
6000	Transmission & Distrib.	601355	TIBURON PIPELINE REPLACEMENT PROJECT	6/30/12	75	\$ 538,991	\$ 502,468	\$ 643,709	\$ 600,091
6000	Transmission & Distrib.	601356	2010-11 FFMP DOMINICAN AREA PRP	6/30/12	75	\$ 752,116	\$ 682,972	\$ 898,242	\$ 815,664
6000	Transmission & Distrib.	601357	554-558 SAN ANSELMO AVE (9101F)	3/14/12	75	\$ 15,704	\$ 14,160	\$ 18,755	\$ 16,911

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601358	LAGUNITAS PIPELINE REPLACEMENT PROJECT	9/1/12	75	\$ 673,568	\$ 615,769	\$ 804,434	\$ 735,405
6000	Transmission & Distrib.	601359	MILL VALLEY PIPELINE REPLACEMENT PROJECT	9/1/12	75	\$ 751,014	\$ 687,906	\$ 896,926	\$ 821,557
6000	Transmission & Distrib.	601360	BELLE AVENUE PIPELINE REPLACEMENT	6/30/12	75	\$ 181,423	\$ 164,956	\$ 216,671	\$ 197,005
6000	Transmission & Distrib.	601361	555 Irwin St., SR (9115F)	6/30/12	75	\$ 19,243	\$ 17,472	\$ 22,982	\$ 20,867
6000	Transmission & Distrib.	601362	267 TAMALPAIS ROAD, FAIRFAX HY-09133	6/30/12	75	\$ 14,159	\$ 12,885	\$ 16,910	\$ 15,388
6000	Transmission & Distrib.	601363	1900 REDWOOD HWY, CM NORDSTROMS	6/30/12	75	\$ 29,321	\$ 26,724	\$ 35,018	\$ 31,916
6000	Transmission & Distrib.	601364	SAN ANSELMO PRP	6/30/12	75	\$ 842,230	\$ 765,807	\$ 1,005,864	\$ 914,593
6000	Transmission & Distrib.	601365	MEADOW DRIVE PRP	6/30/12	75	\$ 194,334	\$ 176,927	\$ 232,090	\$ 211,302
6000	Transmission & Distrib.	601366	FIRELINE 6"-101 GLEN DR, FX- WHITE HILL SCH(9141F)	9/30/12	75	\$ 12,758	\$ 11,663	\$ 15,237	\$ 13,929
6000	Transmission & Distrib.	601367	FIRELINE 4"-601 E FRANCISCO BL, SAN RAFAEL (9142F)	9/30/12	75	\$ 14,786	\$ 13,517	\$ 17,659	\$ 16,143
6000	Transmission & Distrib.	601368	LOCUST STREET PUMP STATION IMPROV PRP	11/30/12	75	\$ 18,135	\$ 16,654	\$ 21,658	\$ 19,890
6000	Transmission & Distrib.	601369	FIRELINE 4"-902 IRWIN STREET, SAN RAFAEL(9106F)	11/30/12	75	\$ 8,881	\$ 8,156	\$ 10,606	\$ 9,740
6000	Transmission & Distrib.	601370	FIRELINE 4"-902 THIRD STREET, SAN RAFAEL(9147F)	11/30/12	75	\$ 21,125	\$ 19,400	\$ 25,229	\$ 23,169
6000	Transmission & Distrib.	601371	SEQUOIA VALLEY ROAD PIPELINE EXTENSION	11/30/12	75	\$ 24,127	\$ 22,183	\$ 28,815	\$ 26,493
6000	Transmission & Distrib.	601373	FIRELINE 6"-9 LAGUNITAS RD ROSS	1/1/13	75	\$ 14,748	\$ 13,628	\$ 17,172	\$ 15,868
6000	Transmission & Distrib.	601374	NORTHGATE ONE SHOPPING CTR HYDRANT-03273	1/1/13	75	\$ 6,538	\$ 6,031	\$ 7,613	\$ 7,023
6000	Transmission & Distrib.	601375	FIRELINE 8"-SMART STATION LARKSPUR (9019F)	1/1/13	75	\$ 18,879	\$ 17,416	\$ 21,983	\$ 20,279
6000	Transmission & Distrib.	601376	FIRELINE 4"-34 MILLER AVE, MILL VALLEY (9042F)	1/1/13	75	\$ 19,141	\$ 17,658	\$ 22,288	\$ 20,560
6000	Transmission & Distrib.	601377	FIRELINE 4"-CIVIC CENTER, SR RELOCATE SVC	1/1/13	75	\$ 4,500	\$ 81,569	\$ 5,239	\$ 94,978
6000	Transmission & Distrib.	601378	FIRELINE 4"-565 BRIDGEWAY SAUSALITO (9066F)	1/1/13	75	\$ 19,983	\$ 18,434	\$ 23,268	\$ 21,465
6000	Transmission & Distrib.	601379	FIRELINE 4"-87 & 91 RED HILL AVE, SA(9070F)	1/1/13	75	\$ 23,810	\$ 21,965	\$ 27,724	\$ 25,576
6000	Transmission & Distrib.	601380	FIRELINE 4"-1701 FOURTH ST, SAN RAFAEL(9071F)	1/1/13	75	\$ 12,785	\$ 11,798	\$ 14,886	\$ 13,738
6000	Transmission & Distrib.	601381	FIRELINE 4"-430 MILLER AVE, MILL VALLEY(9072F)	1/1/13	75	\$ 19,151	\$ 17,666	\$ 22,299	\$ 20,571
6000	Transmission & Distrib.	601382	FIRELINE 4"-1058 REDWOOD HWY, MILL VALLEY(9077F)	1/1/13	75	\$ 8,818	\$ 8,135	\$ 10,268	\$ 9,472
6000	Transmission & Distrib.	601383	TIBURON BLVD PRP	1/1/13	75	\$ 99,122	\$ 91,457	\$ 115,416	\$ 106,492
6000	Transmission & Distrib.	601384	2011-12 FFMP GERSTLE PARK PRP	1/1/13	75	\$ 1,182,500	\$ 1,091,105	\$ 1,376,890	\$ 1,270,470
6000	Transmission & Distrib.	601385	2011-12 FFMP CHULA VISTAPRP	1/1/13	75	\$ 1,270,301	\$ 1,171,920	\$ 1,479,125	\$ 1,364,571
6000	Transmission & Distrib.	601386	FIRELINE 6"-1425 GRAND AVE, SAN RAFAEL (9096F)	1/1/13	75	\$ 15,227	\$ 14,047	\$ 17,730	\$ 16,356
6000	Transmission & Distrib.	601387	FIRELINE 6"-720 CENTER BL, FX (9099H&9100F)	1/1/13	75	\$ 34,908	\$ 32,203	\$ 40,647	\$ 37,496
6000	Transmission & Distrib.	601388	FIRELINE 4"-E. FRANCISCO BL,SR (9107F)	1/1/13	75	\$ 11,320	\$ 10,442	\$ 13,181	\$ 12,159
6000	Transmission & Distrib.	601389	FIRELINE 6"-901 E. FRANCISCO BL,SR (9110F)	1/1/13	75	\$ 13,128	\$ 12,111	\$ 15,286	\$ 14,102
6000	Transmission & Distrib.	601390	51 LAUREL GROVE AVE, KF (9135H)	1/1/13	75	\$ 21,919	\$ 20,220	\$ 25,522	\$ 23,544
6000	Transmission & Distrib.	601391	25 MAIN STREET TIBURON-REPAIR 6" FIRELINE	2/1/13	75	\$ 699	\$ 647	\$ 814	\$ 753
6000	Transmission & Distrib.	601392	SAN RAFAEL PIPELINE REPLACEMENT 6 INCH 1800FT	2/1/13	75	\$ 433,322	\$ 407,882	\$ 504,555	\$ 474,933
6000	Transmission & Distrib.	601393	DOHERTY DR PIPELINE REPLACEMENT 8 INCH 1300FT	2/1/13	75	\$ 153,609	\$ 144,563	\$ 178,860	\$ 168,327
6000	Transmission & Distrib.	601394	ROSS SAUSALITO PIPELINE RELOCATION PJCT	2/1/13	75	\$ 778,305	\$ 724,591	\$ 906,249	\$ 843,706
6000	Transmission & Distrib.	601395	GLEN DRIVE SAUSALITO RELOCATION PRP	2/1/13	75	\$ 120,530	\$ 113,441	\$ 140,344	\$ 132,090
6000	Transmission & Distrib.	601396	MISSION AVE PRP,SAN RAFAEL 700FT	2/1/13	75	\$ 136,848	\$ 128,798	\$ 159,344	\$ 149,971
6000	Transmission & Distrib.	601397	99 MONTECILLO SR (90981H & 90982F)	3/1/13	75	\$ 31,291	\$ 28,996	\$ 36,435	\$ 33,763
6000	Transmission & Distrib.	601398	5880 PARADISE DR CM (90998H & 90997F)	3/1/13	75	\$ 30,122	\$ 27,913	\$ 35,073	\$ 32,501
6000	Transmission & Distrib.	601399	2012-13 FFIP NEW HYDRANTS FOR SF FD	3/1/13	75	\$ 44,921	\$ 41,630	\$ 52,306	\$ 48,474
6000	Transmission & Distrib.	601400	2011-12 FFMP FIFTH AVE PRP	3/1/13	75	\$ 1,281,620	\$ 1,190,890	\$ 1,492,304	\$ 1,386,659
6000	Transmission & Distrib.	601401	DYKES LANE TAMALPAIS VALLEY PRP	3/31/13	75	\$ 61,300	\$ 56,837	\$ 71,378	\$ 66,181
6000	Transmission & Distrib.	601402	FIRELINE-300 ROBIN DR, CM (9156F-8") (9157-6")	4/30/13	75	\$ 35,255	\$ 32,743	\$ 41,050	\$ 38,125
6000	Transmission & Distrib.	601403	FIRELINE 4"-790 SIR FRANCIS DRAKE (9108F)	4/30/13	75	\$ 28,756	\$ 26,707	\$ 33,483	\$ 31,097
6000	Transmission & Distrib.	601404	FIRELINE 4"-144 MAGNOLIA AVE (9174F)	4/30/13	75	\$ 38,791	\$ 36,027	\$ 45,168	\$ 41,949
6000	Transmission & Distrib.	601405	PIPELINE 6"- 2007 WEST CT,SAUSALITO 180 FT	5/31/13	75	\$ 35,677	\$ 33,695	\$ 41,542	\$ 39,234
6000	Transmission & Distrib.	601406	FIRELINE 8"-125 SHORELINE PKWY,SR (9159H)	5/31/13	75	\$ 58,531	\$ 54,486	\$ 68,153	\$ 63,443
6000	Transmission & Distrib.	601407	FIRELINE 4"-129 MILLER AVE, MV (9180F)	5/31/13	75	\$ 10,108	\$ 9,411	\$ 11,769	\$ 10,959
6000	Transmission & Distrib.	601408	FIRELINE 4"-100 MADERA DEL PRESIDIO,CM(9175F)	5/31/13	75	\$ 12,300	\$ 11,452	\$ 14,322	\$ 13,335
6000	Transmission & Distrib.	601409	CHESTNUT HILLSIDE AREA FFMP PRP	6/30/13	75	\$ 437,013	\$ 407,706	\$ 508,852	\$ 474,729

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601410	FFIP HYDRANT RELOCATION IN GLENWOOD	6/30/13	75	\$ 75,925	\$ 70,834	\$ 88,406	\$ 82,478
6000	Transmission & Distrib.	601411	700 MILLER AVE MV TAM UNION HSD (9176F)	6/30/13	75	\$ 4,282	\$ 3,995	\$ 4,986	\$ 4,651
6000	Transmission & Distrib.	601412	2011-12 FFMP MURRAY PARK,KENT/LARK PRP	6/30/13	75	\$ 1,024,350	\$ 956,285	\$ 1,192,741	\$ 1,113,488
6000	Transmission & Distrib.	601418	RICHARDSON DR PRP	7/1/13	75	\$ 323,587	\$ 305,700	\$ 376,781	\$ 355,953
6000	Transmission & Distrib.	601419	RICHARDSON STREET SAUSALITO PRP	6/1/13	75	\$ 215,261	\$ 199,093	\$ 250,648	\$ 231,821
6000	Transmission & Distrib.	601420	FFIP WOODACRE AREA PRP	8/1/13	75	\$ 649,799	\$ 609,441	\$ 756,619	\$ 709,626
6000	Transmission & Distrib.	601421	2012 RENEWAL OF FIRELINE LATERALS	9/10/13	75	\$ 3,295	\$ 3,095	\$ 3,837	\$ 3,604
6000	Transmission & Distrib.	601422	SIR FRANCIS DRAKE AND RED HILL AVE PRP	10/31/13	75	\$ 1,551,340	\$ 1,460,742	\$ 1,806,362	\$ 1,700,872
6000	Transmission & Distrib.	601423	POINT SAN PREDRO RD PRP	10/31/13	75	\$ 55,937	\$ 52,652	\$ 65,132	\$ 61,307
6000	Transmission & Distrib.	601424	ADRIAN WAY & MABRY WAY PRP	10/31/13	75	\$ 85,205	\$ 80,201	\$ 99,211	\$ 93,385
6000	Transmission & Distrib.	601425	FFIP MARIN DRIVE PRP	12/31/13	75	\$ 121,415	\$ 114,795	\$ 141,374	\$ 133,666
6000	Transmission & Distrib.	601426	LINCOLN AVE SAN RAFAEL PIPELINE PROJECT	12/31/13	75	\$ 297,444	\$ 283,233	\$ 346,340	\$ 329,793
6000	Transmission & Distrib.	601427	2012-13 SAN ANSELMO PRP	2/1/14	75	\$ 659,663	\$ 619,616	\$ 747,816	\$ 702,418
6000	Transmission & Distrib.	601428	3rd STREET PRP SAN RAFAEL	2/28/14	75	\$ 486,660	\$ 457,112	\$ 551,694	\$ 518,198
6000	Transmission & Distrib.	601429	2012-2013 FFIP MEADOW WAY PRP	2/1/14	75	\$ 900,021	\$ 845,505	\$ 1,020,295	\$ 958,494
6000	Transmission & Distrib.	601430	2012-2013 FFIP BROOKSIDE DR SA PRP	2/1/14	75	\$ 1,002,848	\$ 943,399	\$ 1,136,863	\$ 1,069,470
6000	Transmission & Distrib.	601431	HYDRANT-WOLF GRADE @ WOLF CANYON HYD.	3/1/14	30	\$ 10,668	\$ 9,483	\$ 12,093	\$ 10,750
6000	Transmission & Distrib.	601432	2002-03 PIPELINE REPL PROJECT-SOUTH	3/1/14	75	\$ 50,758	\$ 47,160	\$ 57,541	\$ 53,462
6000	Transmission & Distrib.	601433	LOVELL AVE EXTENSION PRP IN MILL VALLEY	3/1/14	75	\$ 46,654	\$ 44,010	\$ 52,889	\$ 49,892
6000	Transmission & Distrib.	601434	MARIN AVE PIPELINE REPLACEMENT PROJECT	3/1/14	75	\$ 9,447	\$ 8,911	\$ 10,709	\$ 10,102
6000	Transmission & Distrib.	601435	2007/2008 SYSTEM CORRECTIONS PROJECT	3/1/14	75	\$ 2,731	\$ 2,577	\$ 3,097	\$ 2,921
6000	Transmission & Distrib.	601436	2007/2008 SAN RAFAEL PRP	3/1/14	75	\$ 394	\$ 372	\$ 447	\$ 421
6000	Transmission & Distrib.	601437	DOHERTY DR BRIDGE PRP	3/1/14	75	\$ 145,107	\$ 138,120	\$ 164,498	\$ 156,577
6000	Transmission & Distrib.	601438	2011-12 FFMP FAIRFAX PRP	3/1/14	75	\$ 310,997	\$ 295,965	\$ 352,557	\$ 335,516
6000	Transmission & Distrib.	601439	CATHODIC PROTECTION SYSTEM CORRECTIONS	3/1/14	20	\$ 172,143	\$ 143,453	\$ 195,147	\$ 162,624
6000	Transmission & Distrib.	601440	2012-2013 SYSTEM CORRECTIONS PROJECT	3/1/14	20	\$ 132,881	\$ 110,752	\$ 150,638	\$ 125,552
6000	Transmission & Distrib.	601441	FFIP ROSE & HAZEL AVE PRP	3/1/14	75	\$ 1,135,886	\$ 1,080,985	\$ 1,287,680	\$ 1,225,442
6000	Transmission & Distrib.	601442	FFIP OAK & TOYON AREA PRP	3/1/14	75	\$ 844,964	\$ 804,201	\$ 957,880	\$ 911,670
6000	Transmission & Distrib.	601443	CENTRO EAST STREET RETAINING WALL	4/1/14	5	\$ 73,064	\$ 25,572	\$ 82,827	\$ 28,990
6000	Transmission & Distrib.	601444	VISTA DEL MAR PRP	4/1/14	75	\$ 57,663	\$ 54,997	\$ 65,368	\$ 62,346
6000	Transmission & Distrib.	601445	2010-11 CATHODIC PROTECTION OF EXISTING PIPELINES	4/1/14	15	\$ 26,851	\$ 21,034	\$ 30,440	\$ 23,844
6000	Transmission & Distrib.	601446	2010/2011 SYSTEMS CORRECTIONS PROJECT	4/1/14	75	\$ 105,671	\$ 98,802	\$ 119,792	\$ 112,006
6000	Transmission & Distrib.	601448	2010-11 CATHODIC PROTECTION SYSTEM REMOTE	4/1/14	15	\$ 14,355	\$ 11,245	\$ 16,273	\$ 12,747
6000	Transmission & Distrib.	601449	2010/11 RECTIFIER ANODE REPLACEMENT PROJECT	4/1/14	15	\$ 558	\$ 437	\$ 632	\$ 495
6000	Transmission & Distrib.	601452	2011/12 CORROSION TEST STATION REHABILITATION PJCT	4/1/14	15	\$ 105,560	\$ 82,688	\$ 119,666	\$ 93,738
6000	Transmission & Distrib.	601453	2011/12 CATHODIC PROTECTION SYSTEM REMOTE	4/1/14	15	\$ 9,898	\$ 7,753	\$ 11,221	\$ 8,790
6000	Transmission & Distrib.	601454	2011-12 CATHODIC PROTECTION OF EXISTING PIPELINES	4/1/14	15	\$ 6,397	\$ 5,011	\$ 7,252	\$ 5,681
6000	Transmission & Distrib.	601456	2013 CATHODIC PROTECTION OF EXISTING PIPELINES	4/1/14	15	\$ 11,080	\$ 8,679	\$ 12,560	\$ 9,839
6000	Transmission & Distrib.	601457	2008-2009 CONTROL VALVE REPLACEMENT	3/20/14	75	\$ 2,514	\$ 2,392	\$ 2,850	\$ 2,712
6000	Transmission & Distrib.	601458	2012/13 CORROSION TEST STATION REHAB	4/30/14	75	\$ 217,638	\$ 207,572	\$ 246,722	\$ 235,311
6000	Transmission & Distrib.	601459	2012-13 FFIP FAIRFAX PRP	6/1/14	75	\$ 1,396,042	\$ 1,337,361	\$ 1,582,602	\$ 1,516,078
6000	Transmission & Distrib.	601460	FIRELINE 4"-200 GOLDEN GATE AVE BELVEDERE (FL-0925	7/31/14	75	\$ 5,209	\$ 5,001	\$ 5,905	\$ 5,669
6000	Transmission & Distrib.	601463	6"-2650 FT-FFIP SYLVAN WAY PRP, WOODACRE	1/1/14	75	\$ 546,620	\$ 518,121	\$ 619,667	\$ 587,360
6000	Transmission & Distrib.	601464	1050 ANDERSEN DR HYDRANT SR (HY-09248)	8/31/14	40	\$ 10,315	\$ 9,730	\$ 11,694	\$ 11,030
6000	Transmission & Distrib.	601465	FIRELINE 4"-1-C GATE 5 RD,WALDO POINT HARBOR	7/31/14	75	\$ 7,116	\$ 6,962	\$ 8,067	\$ 7,892
6000	Transmission & Distrib.	601466	MMWD NORTH PIPELINE REPLACEMENT-3,920 FEET	8/1/14	75	\$ 868,811	\$ 832,240	\$ 984,914	\$ 943,456
6000	Transmission & Distrib.	601467	SANTA VENETIA PIPELINE REPLACEMENT-6" WS	8/1/14	75	\$ 166,632	\$ 160,152	\$ 188,900	\$ 181,554
6000	Transmission & Distrib.	601468	2014 CAST IRON PRP, SAUSALITO-1500 FEET OF PIPE	8/1/14	75	\$ 965,604	\$ 928,092	\$ 1,094,642	\$ 1,052,117
6000	Transmission & Distrib.	601469	FIRELINE 6&8"-FFIP LARKSPUR PRP,3,075 FEET OF PIPE	8/1/14	75	\$ 832,597	\$ 800,222	\$ 943,861	\$ 907,159
6000	Transmission & Distrib.	601470	LAGUNITAS-ROCK SPRING ROAD REPAIR	8/1/14	15	\$ 66,761	\$ 53,440	\$ 75,683	\$ 60,546
6000	Transmission & Distrib.	601471	SONOMA MARIN PIPELINE	9/30/14	75	\$ 6,391	\$ 6,135	\$ 7,245	\$ 6,955

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601472	LOS RANCHITOS 24" VALVE CLUSTER	9/30/14	40	\$ 95,140	\$ 88,005	\$ 107,854	\$ 99,765
6000	Transmission & Distrib.	601473	SOUTHERN MARIN RETAINING WALL	9/30/14	40	\$ 286,088	\$ 264,631	\$ 324,319	\$ 299,995
6000	Transmission & Distrib.	601474	NICASIO TRANSMISSION LINE TO KENT LAKE	9/30/14	75	\$ 120,382	\$ 115,567	\$ 136,469	\$ 131,010
6000	Transmission & Distrib.	601475	HYDRANT INSTALLATIONS-CHIEF'S FUND	9/30/14	30	\$ 82,195	\$ 73,976	\$ 93,180	\$ 83,862
6000	Transmission & Distrib.	601476	SOULAJULE CONTROL VALVE REPLACEMENT	9/30/14	40	\$ 11,322	\$ 10,473	\$ 12,835	\$ 11,872
6000	Transmission & Distrib.	601477	KENT WOODLANDS HYDRANT INSTALLATION	9/30/14	30	\$ 175	\$ 157	\$ 198	\$ 178
6000	Transmission & Distrib.	601478	DEBURGH COURT REGULATOR REPLACEMENT PROJ	9/30/14	40	\$ 63,817	\$ 59,030	\$ 72,345	\$ 66,919
6000	Transmission & Distrib.	601479	2000/01 TANK SEISMIC	9/30/14	30	\$ 8,407	\$ 7,566	\$ 9,530	\$ 8,577
6000	Transmission & Distrib.	601480	FIRELINE 6"-33 SAN PABLO AVE, SR (8982F)	9/30/14	75	\$ 40,618	\$ 40,723	\$ 46,046	\$ 46,166
6000	Transmission & Distrib.	601481	2011 FIRELINE RETROFIT	9/30/14	30	\$ 26,102	\$ 23,492	\$ 29,590	\$ 26,631
6000	Transmission & Distrib.	601482	HILL SIDE AVE PIPELINE, RS (S0104A, H & M)	9/30/14	75	\$ 372	\$ 357	\$ 421	\$ 404
6000	Transmission & Distrib.	601483	PARSON PLACE, MARIN CITY	9/30/14	1	\$ 2,387	\$ 1,738	\$ 2,706	\$ 1,970
6000	Transmission & Distrib.	601484	FIRELINE 4"-611 E FRANCISCO BL (AKA 137 FRONT ST)	9/25/14	75	\$ 4,399	\$ 4,232	\$ 4,986	\$ 4,798
6000	Transmission & Distrib.	601485	FIRELINE 4"-156 BULKLEYAV, SO CASA MADRONA 09226F	9/25/14	75	\$ 9,154	\$ 8,808	\$ 10,377	\$ 9,985
6000	Transmission & Distrib.	601486	TRESTLE GLEN CIRCLE TIBURON HYDRANT INSTALLATIONS	9/25/14	40	\$ 23,732	\$ 22,051	\$ 26,903	\$ 24,997
6000	Transmission & Distrib.	601487	SOUTHERN MARIN LINE VALVE REPLACEMENT	9/30/14	40	\$ 221,150	\$ 205,487	\$ 250,703	\$ 232,947
6000	Transmission & Distrib.	601488	2014 PIPELINE REPLACEMENT PROJECT	9/30/14	40	\$ 472,971	\$ 455,140	\$ 536,176	\$ 515,963
6000	Transmission & Distrib.	601490	SPINDRIFT PIPELINE REPLACEMENT PROJECT	10/1/14	75	\$ 358,975	\$ 345,815	\$ 406,947	\$ 392,028
6000	Transmission & Distrib.	601491	JUNIPERO SERRA AVE PRP SAN RAFAEL	12/1/14	75	\$ 506,995	\$ 489,537	\$ 574,747	\$ 554,956
6000	Transmission & Distrib.	601492	FIRELINE 4"-925 FOURTH ST SAN RAFAEL (09232F)	12/1/14	75	\$ 16,618	\$ 16,045	\$ 18,838	\$ 18,189
6000	Transmission & Distrib.	601493	LOCK LOMOND MARINA, SR-HYDRANT(HY-03242)	12/31/14	75	\$ 5,178	\$ 5,000	\$ 5,870	\$ 5,668
6000	Transmission & Distrib.	601494	FIRELINE 4"-1599 SIR FRANCIS DRAKE FX (09233F)	12/31/14	75	\$ 6,257	\$ 6,041	\$ 7,093	\$ 6,849
6000	Transmission & Distrib.	601495	FIRELINE 8"-700 W. FRANCISCO BLVD	1/20/15	75	\$ 16,651	\$ 16,096	\$ 18,446	\$ 17,831
6000	Transmission & Distrib.	601496	AIR BASE LINE PIPELINE REPLACEMENT	1/1/15	75	\$ 689,061	\$ 666,096	\$ 763,318	\$ 737,878
6000	Transmission & Distrib.	601497	H STREET PIPELINE IMPROVEMENT	1/1/15	75	\$ 15,170	\$ 14,676	\$ 16,805	\$ 16,257
6000	Transmission & Distrib.	601498	SMART CORRIDOR WATERLINE CROSSINGS SR	1/1/15	40	\$ 566,680	\$ 531,295	\$ 627,748	\$ 588,550
6000	Transmission & Distrib.	601499	FIRELINE 4"-315 MONTFORD AV-HOMESTEAD VALLEY	2/1/15	75	\$ 6,693	\$ 6,478	\$ 7,414	\$ 7,176
6000	Transmission & Distrib.	601500	FIRELINE 6"-1966 SFD FX-MT BIKE HALL OF FAME-09257	2/1/15	75	\$ 9,128	\$ 8,834	\$ 10,112	\$ 9,786
6000	Transmission & Distrib.	601501	FIRELINE 4"-21 LOCUST AVE, MV (9262F)	2/1/15	75	\$ 6,470	\$ 6,262	\$ 7,168	\$ 6,937
6000	Transmission & Distrib.	601502	FPIP HAWTHORNE PRP PHASE I AKA CAMINO DE HERRERA	2/1/15	75	\$ 468,571	\$ 453,520	\$ 519,066	\$ 502,393
6000	Transmission & Distrib.	601503	FPIP SLEEPY HOLLOW PRP	2/28/15	75	\$ 858,956	\$ 831,311	\$ 951,521	\$ 920,897
6000	Transmission & Distrib.	601504	MARIN DRIVE SERVICE RELOCATION PROJECT	2/28/15	75	\$ 414,498	\$ 401,152	\$ 459,166	\$ 444,382
6000	Transmission & Distrib.	601505	FIRELINE 4"-90 ACACIA AVE, SR (FL-09194) & 1" SERV	3/1/15	75	\$ 12,557	\$ 12,166	\$ 13,910	\$ 13,477
6000	Transmission & Distrib.	601506	FIRELINE 4"-16 CREST RD, BV (9202F)	3/1/15	75	\$ 14,703	\$ 14,245	\$ 16,287	\$ 15,780
6000	Transmission & Distrib.	601507	FIRELINE 8"-200 PHILLIPS, MC (9207F) & 1" SERV	3/1/15	75	\$ 18,114	\$ 17,550	\$ 20,066	\$ 19,442
6000	Transmission & Distrib.	601509	168 ANTONETTE DR, TB (HY-09273)	2/3/15	40	\$ 7,134	\$ 6,707	\$ 7,902	\$ 7,430
6000	Transmission & Distrib.	601510	FIRELINE 4"-1912 SIR FRANCIS DRAKE, FX (9274F)	3/1/15	75	\$ 16,003	\$ 15,511	\$ 17,728	\$ 17,182
6000	Transmission & Distrib.	601511	FIRELINE 4"-136 FRONT ST, SF (09280F&1" SERV	3/1/15	75	\$ 16,566	\$ 16,050	\$ 18,351	\$ 17,780
6000	Transmission & Distrib.	601512	HAPPY LANE, SR PEA, HY-0206, HY-09015, 1" SERV	3/1/15	40	\$ 2,418	\$ 2,277	\$ 2,678	\$ 2,522
6000	Transmission & Distrib.	601513	H LINE CULVERT REPLACEMENT	7/1/14	40	\$ 31,976	\$ 29,577	\$ 36,249	\$ 33,530
6000	Transmission & Distrib.	601514	SM-3 CULVERT REPAIR PROJECT	7/1/14	40	\$ 8,780	\$ 8,121	\$ 9,953	\$ 9,207
6000	Transmission & Distrib.	601515	WILKINS COURT REGULATOR REPLACEMENT	7/1/14	40	\$ 65,651	\$ 60,727	\$ 74,424	\$ 68,842
6000	Transmission & Distrib.	601516	SAN GERONIMO GOLF COURSE FLOW METER&RTU INSTALL	7/1/14	20	\$ 25,420	\$ 21,607	\$ 28,871	\$ 24,495
6000	Transmission & Distrib.	601517	WHITE HILL AIR RELEASE/VACUUM BREAK VALVE	7/1/14	15	\$ 4,943	\$ 3,954	\$ 5,603	\$ 4,483
6000	Transmission & Distrib.	601518	SOUTHERN MARIN LINE V-3082 VAULT REPLACEMENT	7/1/14	15	\$ 23,077	\$ 18,461	\$ 26,161	\$ 20,929
6000	Transmission & Distrib.	601519	HUMBOLT AVE REGULATOR 1" INSTALLATION	7/1/14	40	\$ 1,831	\$ 1,694	\$ 2,076	\$ 1,920
6000	Transmission & Distrib.	601520	SOULAJULE PIPELINE CONTROL VALVE INSTALLATION	7/1/14	25	\$ 3,237	\$ 2,849	\$ 3,670	\$ 3,230
6000	Transmission & Distrib.	601521	SOULAJULE HOWELL BUNGER VALVE INSTALL	7/1/14	25	\$ 12,492	\$ 10,993	\$ 14,162	\$ 12,462
6000	Transmission & Distrib.	601522	ELINOR PUMP STATION BYPASS DISCHARGE PORT	7/1/14	40	\$ 7,573	\$ 7,005	\$ 8,585	\$ 7,942
6000	Transmission & Distrib.	601523	MANN DRIVE FPMF	7/1/14	75	\$ 12,836	\$ 12,322	\$ 14,551	\$ 13,969
6000	Transmission & Distrib.	601524	PEACOCK GAP RECYCLED WATER	7/1/14	75	\$ 317,291	\$ 304,599	\$ 359,692	\$ 345,304

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601525	CARSON ROAD PIPELINE RELOCATION	7/1/14	75	\$ 11,224	\$ 10,775	\$ 12,724	\$ 12,215
6000	Transmission & Distrib.	601526	NOVA ALBION PRP	7/1/14	75	\$ 56,827	\$ 54,554	\$ 64,421	\$ 61,844
6000	Transmission & Distrib.	601527	2009-10 SAN ANSELMO PRP	7/1/14	75	\$ 158,453	\$ 152,115	\$ 179,628	\$ 172,443
6000	Transmission & Distrib.	601528	CAMP TAMALPAIS PRP	7/1/14	75	\$ 119,493	\$ 120,459	\$ 135,461	\$ 136,556
6000	Transmission & Distrib.	601529	EXHIBIT HALL AT CIVIC CENTER, SR (HY-09002)	7/1/14	30	\$ 20,061	\$ 18,055	\$ 22,741	\$ 20,467
6000	Transmission & Distrib.	601530	SAN GERONIMO CREEK CROSSING AT ARROYO RD	7/1/14	75	\$ 2,139	\$ 2,054	\$ 2,425	\$ 2,328
6000	Transmission & Distrib.	601531	2011 HYDRANT BODY UPGRADES-OAK RD&WOODLAND RD,FX	7/1/14	40	\$ 2,192	\$ 2,028	\$ 2,485	\$ 2,299
6000	Transmission & Distrib.	601532	HYDRANT INSTALLATIONS RVFS (4), FAIRFAX	7/1/14	40	\$ 10,241	\$ 9,473	\$ 11,610	\$ 10,739
6000	Transmission & Distrib.	601533	SPINNAKER DR SAUSALITO (9067F&9068F)	7/1/14	30	\$ 25,324	\$ 24,311	\$ 28,708	\$ 27,560
6000	Transmission & Distrib.	601536	HYDRANT-49 PENINSULA RD,BELV. UPGRADE HY-02102	7/1/14	30	\$ 16,205	\$ 14,585	\$ 18,371	\$ 16,534
6000	Transmission & Distrib.	601537	HYDRANT-KENTFIELD FIRE HY09078&HY09079	7/1/14	30	\$ 214	\$ 192	\$ 242	\$ 218
6000	Transmission & Distrib.	601538	HYDRANT-MARIN COUNTY FIRE HYDRANTS (5)	7/1/14	30	\$ 55,079	\$ 49,577	\$ 62,439	\$ 56,203
6000	Transmission & Distrib.	601539	8" FIRELINE-350 Los Ranchitos Rd. SR (9113F)	7/1/14	75	\$ 41,402	\$ 39,746	\$ 46,935	\$ 45,057
6000	Transmission & Distrib.	601540	ROSE GARDEN SUBDIVISION,LARKSPUR	7/1/14	30	\$ 238,495	\$ 214,757	\$ 270,366	\$ 243,456
6000	Transmission & Distrib.	601541	WALDO POINT HARBOR	3/1/15	75	\$ 36,169	\$ 35,337	\$ 40,066	\$ 39,145
6000	Transmission & Distrib.	601542	2012/13 ROSS SAUSALITO LINE PROJECT	3/1/15	30	\$ 10,329	\$ 9,525	\$ 11,442	\$ 10,552
6000	Transmission & Distrib.	601543	2013 HYDRANT BODY UPGRADES	3/1/15	75	\$ 36,160	\$ 35,035	\$ 40,057	\$ 38,810
6000	Transmission & Distrib.	601544	2013 FRELINE RETROFITS	3/1/15	30	\$ 1,538	\$ 1,419	\$ 1,704	\$ 1,571
6000	Transmission & Distrib.	601547	FIRELINE 4"-600 NED'S WAY TB (FL09139)	3/1/15	75	\$ 18,428	\$ 17,855	\$ 20,414	\$ 19,779
6000	Transmission & Distrib.	601548	FIRELINE 4"-20 CREST RD, BELVEDERE (09143F)	3/1/15	75	\$ 17,772	\$ 17,219	\$ 19,687	\$ 19,075
6000	Transmission & Distrib.	601549	FFIP ROSS SAUSALITO PRP	3/1/15	75	\$ 807,149	\$ 782,060	\$ 894,131	\$ 866,338
6000	Transmission & Distrib.	601550	PEACOCK GAP RECYCLED WATER-DISTRIBUTION	7/1/14	75	\$ 41,891	\$ 40,215	\$ 47,489	\$ 45,589
6000	Transmission & Distrib.	601551	FIRELINE 4"-TOUSSIN SENIOR HOUSING (9987F&8988F)	7/1/14	75	\$ 19,263	\$ 18,492	\$ 21,837	\$ 20,964
6000	Transmission & Distrib.	601552	FIRELINE 8"-HARBOR DR-CLIPPER YACHT HARBOR(7166F)	7/1/14	75	\$ 22,416	\$ 21,519	\$ 25,411	\$ 24,395
6000	Transmission & Distrib.	601553	MEADOW VALLEY ROAD PEA HY-09054	7/1/14	40	\$ 23,193	\$ 21,762	\$ 26,292	\$ 24,671
6000	Transmission & Distrib.	601555	FIRELINE 4"-700 FIFTH AVE SR (FL-09284)	4/1/15	75	\$ 32,947	\$ 31,958	\$ 36,497	\$ 35,402
6000	Transmission & Distrib.	601556	PINE ST REGULATOR STATION REHAB PROJECT	11/1/14	40	\$ 61,323	\$ 57,235	\$ 69,518	\$ 64,884
6000	Transmission & Distrib.	601557	PRESIDIO AVE & FORREST ST MV-HY-09150 RELOCATE	4/1/15	40	\$ 9,295	\$ 8,772	\$ 10,296	\$ 9,717
6000	Transmission & Distrib.	601558	FIRELINE 4"-39 BELVEDERE AVE, BEL (9189F)	4/1/15	75	\$ 14,481	\$ 14,047	\$ 16,042	\$ 15,561
6000	Transmission & Distrib.	601559	FIRELINE 6"-110 GILMARTIN DR, TB (9190F)	4/1/15	75	\$ 38,880	\$ 37,714	\$ 43,070	\$ 41,778
6000	Transmission & Distrib.	601560	FIRELINE 6"-295 SIR FRANCIS DRAKE BL, GB (9195F)	4/1/15	75	\$ 15,452	\$ 14,989	\$ 17,117	\$ 16,604
6000	Transmission & Distrib.	601561	FIRELINE 8"-330 GOLDEN HIND PASSAGE, CM (9198F)	4/1/15	75	\$ 23,290	\$ 22,591	\$ 25,799	\$ 25,025
6000	Transmission & Distrib.	601562	FY 2014 FIRELINE RETROFITS	4/1/15	75	\$ 25,981	\$ 25,202	\$ 28,781	\$ 27,917
6000	Transmission & Distrib.	601563	2014 RENEWAL OF FIRELINE LATERALS	4/1/15	75	\$ 68	\$ 66	\$ 75	\$ 73
6000	Transmission & Distrib.	601564	2014 RENEWAL OF SERVICE LATERALS	4/1/15	75	\$ 276,300	\$ 268,019	\$ 306,075	\$ 296,902
6000	Transmission & Distrib.	601565	LIMITA DR, MV-TRANSFER SERVICE LATERAL	4/1/15	75	\$ 64,025	\$ 62,107	\$ 70,924	\$ 68,799
6000	Transmission & Distrib.	601566	FIRELINE 6"-12 NORWOOD AVE, RS (9203F)	4/1/15	75	\$ 16,435	\$ 15,942	\$ 18,206	\$ 17,660
6000	Transmission & Distrib.	601568	FIRELINE 4"-1005 NORTHGATE D,SR (9204F)	4/1/15	75	\$ 13,798	\$ 13,384	\$ 15,284	\$ 14,826
6000	Transmission & Distrib.	601569	PIPE RELOCATION 17 E SF DRAKE (SMART)	4/1/15	75	\$ 28,179	\$ 27,338	\$ 31,216	\$ 30,285
6000	Transmission & Distrib.	601570	FIRELINE 8"-195-201 TAMAL VISTA BL, CM & SERVICES	4/1/15	75	\$ 170,993	\$ 165,915	\$ 189,420	\$ 183,795
6000	Transmission & Distrib.	601571	FIRELINE 8"-20 MAGNOLIA AVE, LK (9212F) & IRR SERV	4/1/15	75	\$ 16,974	\$ 16,466	\$ 18,803	\$ 18,241
6000	Transmission & Distrib.	601572	KERNER BL, SR-HYDRANT RELOCATION	4/1/15	30	\$ 13,815	\$ 12,779	\$ 15,303	\$ 14,156
6000	Transmission & Distrib.	601574	MMWD SOUTH PRP	4/1/15	75	\$ 1,334,649	\$ 1,302,551	\$ 1,478,477	\$ 1,442,920
6000	Transmission & Distrib.	601575	FIRELINE 6"-99 MONTECILLO RD,SR(9223F),HY-09224	4/1/15	75	\$ 57,126	\$ 55,412	\$ 63,282	\$ 61,384
6000	Transmission & Distrib.	601576	FIRELINE 4"-15&19 LA GOMA ST, MV (9225F)	4/1/15	75	\$ 10,978	\$ 10,649	\$ 12,161	\$ 11,796
6000	Transmission & Distrib.	601577	FIRELINE 4"-157 THROCKMORTON AV, MV (9227F)	4/1/15	75	\$ 15,426	\$ 14,963	\$ 17,089	\$ 16,576
6000	Transmission & Distrib.	601578	FIRELINE 6"-1867 LINCOLN AV-LINCOLN AV APTS(9229F)	4/1/15	75	\$ 24,527	\$ 23,791	\$ 27,170	\$ 26,355
6000	Transmission & Distrib.	601579	FIRELINE 6"-900 REDWOOD HWY (9249F)	4/1/15	75	\$ 4,398	\$ 4,266	\$ 4,872	\$ 4,725

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601580	SASM RECYCLED WATER FEASIBILITY STUDY	4/1/15	3	\$ 37,500	\$ 9,375	\$ 41,541	\$ 10,385
6000	Transmission & Distrib.	601581	ROBLAR DR SMART CASING EXTENSION PROJECT	4/1/15	40	\$ 138,925	\$ 131,110	\$ 153,896	\$ 145,239
6000	Transmission & Distrib.	601582	DOHERTY BRIDGE PIPING FLASHING	4/1/15	40	\$ 7,977	\$ 7,528	\$ 8,836	\$ 8,339
6000	Transmission & Distrib.	601583	CORNWALL STREET PRP	4/1/15	75	\$ 323,639	\$ 313,939	\$ 358,516	\$ 347,770
6000	Transmission & Distrib.	601584	FY 2015 NEW SERVICE INSTALLATIONS	5/1/15	75	\$ 539,786	\$ 528,102	\$ 597,956	\$ 585,013
6000	Transmission & Distrib.	601585	FY 2015 HYDRANT BODY UPGRADES	5/1/15	40	\$ 11,714	\$ 11,115	\$ 12,976	\$ 12,312
6000	Transmission & Distrib.	601586	FY 2015 FIRELINE RETROFITS	5/1/15	75	\$ 32,566	\$ 31,632	\$ 36,075	\$ 35,041
6000	Transmission & Distrib.	601587	2015 RENEWAL OF FIRELINE LATERALS	5/1/15	75	\$ 1,970	\$ 1,913	\$ 2,182	\$ 2,119
6000	Transmission & Distrib.	601588	2015 RENEWAL OF SERVICE LATERALS	5/1/15	75	\$ 578,060	\$ 566,914	\$ 640,355	\$ 628,007
6000	Transmission & Distrib.	601589	SANITARY DIST #5, TIBURON (HY-0230) RELOCATION	5/1/15	40	\$ 19,930	\$ 18,953	\$ 22,078	\$ 20,996
6000	Transmission & Distrib.	601590	FIRELINE 6"-FRANCESCHINI CONDOS (9258F&SERV 2-1"	5/1/15	75	\$ 45,863	\$ 44,538	\$ 50,805	\$ 49,337
6000	Transmission & Distrib.	601592	2015 REPLACEMENT OF FAILED CONTROL SYSTEM	5/1/15	40	\$ 29,821	\$ 28,209	\$ 33,034	\$ 31,249
6000	Transmission & Distrib.	601594	TAMALPAIS & SUMMIT PRP	5/1/15	75	\$ 530,930	\$ 515,671	\$ 588,145	\$ 571,242
6000	Transmission & Distrib.	601595	116 BUTTERFIELD RD.SA (HY-09263) & 3/4" SERV	5/1/15	30	\$ 16,534	\$ 15,340	\$ 18,316	\$ 16,993
6000	Transmission & Distrib.	601596	FIRELINE 6"-COLLEGE OF MARIN(9264F),HY-09265&09266	5/1/15	75	\$ 16,193	\$ 15,726	\$ 17,938	\$ 17,421
6000	Transmission & Distrib.	601597	290 EDGEWOOD AVE. MV (HY-09269)	5/1/15	40	\$ 10,659	\$ 9,889	\$ 11,807	\$ 10,955
6000	Transmission & Distrib.	601598	2014/15 CORROSION TEST STATION REHAB	5/1/15	40	\$ 211,069	\$ 199,642	\$ 233,815	\$ 221,156
6000	Transmission & Distrib.	601599	FIRELINE 4"-40 GOLDEN GATE DR, SR (9271F)	5/1/15	75	\$ 23,861	\$ 23,182	\$ 26,433	\$ 25,680
6000	Transmission & Distrib.	601600	FIRELINE 6"-145 CRANE DR, SA (9275F)	5/1/15	75	\$ 7,651	\$ 4,258	\$ 8,475	\$ 4,717
6000	Transmission & Distrib.	601601	FIRELINE 4"-4234 REDWOOD HWY, SR (9277F)	5/1/15	75	\$ 15,030	\$ 14,595	\$ 16,649	\$ 16,168
6000	Transmission & Distrib.	601602	SOUTHERN MARIN LINE VALVE REPLACEMENT	5/1/15	25	\$ 119,574	\$ 109,211	\$ 132,460	\$ 120,980
6000	Transmission & Distrib.	601603	323 FAWN DRIVE, ROSS (HY-09281)	5/27/15	30	\$ 16,227	\$ 15,055	\$ 17,976	\$ 16,678
6000	Transmission & Distrib.	601604	4230 REDWOOD HWY. SR (HY-09285)	5/27/15	30	\$ 12,611	\$ 11,700	\$ 13,970	\$ 12,961
6000	Transmission & Distrib.	601605	BEACH ROAD PRP	6/30/15	75	\$ 18,478	\$ 17,965	\$ 20,469	\$ 19,901
6000	Transmission & Distrib.	601606	HOMESTEAD AVE PRP	7/1/15	75	\$ 5,956	\$ 5,797	\$ 6,598	\$ 6,422
6000	Transmission & Distrib.	601607	FRANCISCO BLVD PRP	7/1/15	40	\$ 64,736	\$ 61,499	\$ 71,712	\$ 68,126
6000	Transmission & Distrib.	601608	1 PARENTE VISTA LANE, TB (09293F)	8/1/15	75	\$ 8,619	\$ 8,399	\$ 9,548	\$ 9,304
6000	Transmission & Distrib.	601609	FIRELINE 4"-105 MARIPOSA AVE, SA (9304F)	8/1/15	75	\$ 7,639	\$ 7,444	\$ 8,463	\$ 8,246
6000	Transmission & Distrib.	601610	FFIP MILLY VALLEY PRP	8/1/15	75	\$ 525,584	\$ 512,152	\$ 582,223	\$ 567,344
6000	Transmission & Distrib.	601611	FIRELINE 4"-630 E Blithedlae Av MV (09287F)	7/31/15	75	\$ 8,673	\$ 8,441	\$ 9,607	\$ 9,351
6000	Transmission & Distrib.	601612	FIRELINE 4"-87 LAUREL GROVE AVE. RS (0930F)	7/31/15	75	\$ 4,331	\$ 4,215	\$ 4,797	\$ 4,670
6000	Transmission & Distrib.	601613	FFIP ALTO DOWN LINE PRP	10/31/15	75	\$ 647,441	\$ 633,025	\$ 717,212	\$ 701,243
6000	Transmission & Distrib.	601614	3910 PARADISE DR, TB HY-09162	10/31/15	75	\$ 28,453	\$ 27,789	\$ 31,520	\$ 30,784
6000	Transmission & Distrib.	601615	FFIP FORBES HILL AREA PRP	11/30/15	75	\$ 1,253,650	\$ 1,225,792	\$ 1,388,750	\$ 1,357,889
6000	Transmission & Distrib.	601616	FIRELINE 6"-1081 ANDERSEN DR,SR FL-09310	12/15/15	75	\$ 8,060	\$ 7,890	\$ 8,928	\$ 8,740
6000	Transmission & Distrib.	601618	FFIP KENTFIELD/GREENBRAE	12/31/15	75	\$ 1,068,341	\$ 1,042,418	\$ 1,183,471	\$ 1,154,754
6000	Transmission & Distrib.	601619	FIRELINE 8"-185 MISSION AVE, SF HIGH SCH FL-09318	12/31/15	75	\$ 6,771	\$ 6,628	\$ 7,500	\$ 7,342
6000	Transmission & Distrib.	601620	FIRELINE 4"-1 BLACKFIELD DR TB- FL 09324	12/31/15	75	\$ 5,836	\$ 5,790	\$ 6,465	\$ 6,414
6000	Transmission & Distrib.	601621	2015 LARKSPUR PRP	12/31/15	75	\$ 562,399	\$ 550,526	\$ 623,006	\$ 609,853
6000	Transmission & Distrib.	601622	FIRELINE 4"-1415 THIRD ST-DAVITA DIALYSIS (9259F)	2/10/16	75	\$ 7,191	\$ 7,191	\$ 7,732	\$ 7,733
6000	Transmission & Distrib.	601623	FIRELINE 4"-MEADOW VIEW LN, SAN GERONIMO	2/29/16	75	\$ 4,140	\$ 4,062	\$ 4,452	\$ 4,368
6000	Transmission & Distrib.	601624	2010/11 CORROSION TEST STATION REHABILITATION PJCT	2/29/16	15	\$ 85,669	\$ 77,578	\$ 92,120	\$ 83,420
6000	Transmission & Distrib.	601625	LARKSPUR ROAD BRIDGE PRP	2/29/16	75	\$ 13,323	\$ 13,071	\$ 14,326	\$ 14,055
6000	Transmission & Distrib.	601626	ROSE AVE PRP MILL VALLEY	2/8/16	75	\$ 9,696	\$ 9,513	\$ 10,426	\$ 10,230
6000	Transmission & Distrib.	601627	CORTE MADERA OFFSET FOR NEW SEWER CONSTRUCTION	10/15/15	75	\$ 653	\$ 638	\$ 724	\$ 707
6000	Transmission & Distrib.	601628	MESA AVE MILL VALLEY PIPELINE PROJECT	2/8/16	75	\$ 13,540	\$ 13,284	\$ 14,560	\$ 14,285
6000	Transmission & Distrib.	601629	THE VILLAGE SHOPPING CENTER	2/9/16	40	\$ 41,823	\$ 40,341	\$ 44,972	\$ 43,379
6000	Transmission & Distrib.	601630	4" FIRELINE-1177 Magnolia Ave Larkspur (FL-09329)	4/18/16	75	\$ 7,251	\$ 7,130	\$ 7,797	\$ 7,667
6000	Transmission & Distrib.	601631	4" FIRELINE-1104 IRWIN ST SR (FL-09332)	4/18/16	75	\$ 6,191	\$ 6,088	\$ 6,657	\$ 6,546
6000	Transmission & Distrib.	601632	140 SACRAMENTO AVE. SA-HY-04376 6"	4/21/16	75	\$ 7,316	\$ 7,194	\$ 7,867	\$ 7,736
6000	Transmission & Distrib.	601633	2015 MMWD PRP	4/30/16	75	\$ 952,949	\$ 937,274	\$ 1,024,703	\$ 1,007,848

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
6000	Transmission & Distrib.	601634	FIRELINE 4"-31 BOLINAS ROAD, FX (FL-09328)	6/16/16	75	\$ 7,440	\$ 7,440	\$ 8,000	\$ 8,001
6000	Transmission & Distrib.	601635	2016 FFIP LOWER TOUSSIN AVE DIRECTIONAL DRILL	6/30/16	75	\$ 347,293	\$ 346,281	\$ 373,444	\$ 372,355
6000	Transmission & Distrib.	601636	FIRELINE 6"-SMART PUERTO SUELLO TUNNEL	6/30/16	75	\$ 13,077	\$ 13,614	\$ 14,061	\$ 14,639
6000	Transmission & Distrib.	601637	FIRELINE 6"-NORTHGATE DR. SR, FL09341	6/30/16	75	\$ 7,616	\$ 7,961	\$ 8,189	\$ 8,560
6000	Transmission & Distrib.	601638	FIRELINE 6"-610 DEL GANADO RD-MONTESSORI DE TERRA	6/30/16	75	\$ 8,991	\$ 9,806	\$ 9,668	\$ 10,544
6000	Transmission & Distrib.	601639	2015 SYSTEM CORRECTIONS PROJECT	6/30/16	75	\$ 69,134	\$ 68,136	\$ 74,340	\$ 73,266
6000	Transmission & Distrib.	601640	MERRYDALE ROAD PRP	6/30/16	75	\$ 554,837	\$ 547,196	\$ 596,615	\$ 588,398
6000	Transmission & Distrib.	601641	FIRELINE 6"-3880 PARADISE DRIVE, TIBURON (FL09327)	6/30/16	75	\$ 4,791	\$ 4,773	\$ 5,151	\$ 5,132
6000	Transmission & Distrib.	601642	FIRELINE 4"-116 LYFORD DR TIBURON (09303F)	6/30/16	75	\$ 8,128	\$ 8,271	\$ 8,740	\$ 8,894
6000	Transmission & Distrib.	601643	FIRELINE 6"-55 FERNWOOD DR, SAN ANSELMO (9322F)	6/30/16	75	\$ 9,219	\$ 10,041	\$ 9,914	\$ 10,797
6000	Transmission & Distrib.	601644	FIRELINE 6"-788 LINCOLN AVE SR BIO MARIN (FL09300)	9/8/16	75	\$ -	\$ 13,874	\$ -	\$ 14,918
6000	Transmission & Distrib.	601645	FIRELINE 6"-250 BON AIR RD, GREENBRAE, FL09331	10/14/16	75	\$ -	\$ 6,236	\$ -	\$ 6,706
6000	Transmission & Distrib.	601646	FFIP ROSS PRP	10/31/16	75	\$ -	\$ 1,368,755	\$ -	\$ 1,471,819
6000	Transmission & Distrib.	601647	30 UPLAND RD,KENTFIELD-6"HYDRANT&UPGRADE SVC 1.5"	10/28/16	75	\$ -	\$ 10,400	\$ -	\$ 11,183
6000	Transmission & Distrib.	601648	FIRELINE 6"-3195 KERNER BLVD,SR (FL-09366)	11/16/16	75	\$ -	\$ 6,099	\$ -	\$ 6,558
6000	Transmission & Distrib.	601649	LARKSPUR ROAD PRP	11/30/16	75	\$ -	\$ 1,396,437	\$ -	\$ 1,501,585
6000	Transmission & Distrib.	601650	FFIP MOLINO LANE,MV PRP	11/15/16	75	\$ -	\$ 141,310	\$ -	\$ 151,950
6000	Transmission & Distrib.	601651	DIPSEA STAIRS PIPELINE IMPROVEMENT,MV	11/15/16	75	\$ -	\$ 52,105	\$ -	\$ 56,028
6000	Transmission & Distrib.	601652	MILL VALLEY PRP	12/31/16	75	\$ -	\$ 1,025,372	\$ -	\$ 1,102,579
6000	Transmission & Distrib.	601653	2016 CORROSION TEST STATION REHAB	12/31/16	75	\$ -	\$ 221,496	\$ -	\$ 238,174
6000	Transmission & Distrib.	601654	JEWELL CREEK FISH PASSAGE CULVERT REPLACEMENT	1/31/17	40	\$ -	\$ 938,697	\$ -	\$ 971,896
6000	Transmission & Distrib.	601655	2016 TERRA LINDA PRP	3/31/17	75	\$ -	\$ 1,395,863	\$ -	\$ 1,445,230
6000	Transmission & Distrib.	601656	SPINNAKER DR, SAUSALITO HYDRANT 9058-H	4/30/17	30	\$ -	\$ 384	\$ -	\$ 398
6000	Transmission & Distrib.	601657	HYDRANT-110 WINDING WAY, ROSS (9297H)	4/30/17	75	\$ -	\$ 51,659	\$ -	\$ 53,486
6000	Transmission & Distrib.	601658	HYDRANT-116 HOLSTEIN RD SA (9276H)	4/30/17	75	\$ -	\$ 6,408	\$ -	\$ 6,635
6000	Transmission & Distrib.	601659	4" FIRELINE-MISSION SR (FL-9283F)	4/30/17	75	\$ -	\$ 14,341	\$ -	\$ 14,848
6000	Transmission & Distrib.	601660	HYDRANT-RELOCATION BON AIR SHOPPING CTR (06493H)	5/31/17	75	\$ -	\$ 2,006	\$ -	\$ 2,077
6000	Transmission & Distrib.	601661	FFIP HEPBURN HEIGHTS PRP	6/30/17	75	\$ -	\$ 1,143,333	\$ -	\$ 1,183,768
6000	Transmission & Distrib.	601662	FFIP SEQUOIA VALLEY RD & TOURIST CLUD RD	6/30/17	75	\$ -	\$ 814,243	\$ -	\$ 843,040
6000	Transmission & Distrib.	601663	FFIP SAN ANSELMO	6/30/17	75	\$ -	\$ 1,573,137	\$ -	\$ 1,628,773
6000	Transmission & Distrib.	601664	147 LAGUNITAS ROAD ROAD, ROSS (HY-09326)	6/30/17	30	\$ -	\$ 7,673	\$ -	\$ 7,945
6000	Transmission & Distrib.	601665	FIRELINE 4"-285 MAGNOLIA AV LK (FL-09336)	6/30/17	75	\$ -	\$ 13,067	\$ -	\$ 13,529
6000	Transmission & Distrib.	601666	FIRELINE 4"-670 DEL GANADO RD SR (FL-09342)	6/30/17	75	\$ -	\$ 6,849	\$ -	\$ 7,091
6000	Transmission & Distrib.	601667	FIRELINE 4"-480 & 482 MOGNOLIA AV LK (FL-09346)	6/30/17	75	\$ -	\$ 5,099	\$ -	\$ 5,279
6000	Transmission & Distrib.	601668	FIRELINE 4"-860 COLLEGE AVE KF (FL-09355)	6/30/17	75	\$ -	\$ 11,328	\$ -	\$ 11,729
6000	Transmission & Distrib.	601669	HY-05910 REL 250 BON AIR RD - MGH	6/30/17	75	\$ -	\$ 5,785	\$ -	\$ 5,990
6000	Transmission & Distrib.	601670	FIRELINE 4"-70 GREENFIELD AVE SA (FL-09367)	6/30/17	75	\$ -	\$ 7,574	\$ -	\$ 7,842
6000	Transmission & Distrib.	601671	FIRELINE 8"-375 BLACKSTONE DR SR (FL-09374)	6/30/17	75	\$ -	\$ 9,284	\$ -	\$ 9,613
6000	Transmission & Distrib.	601672	FIRELINE 6"-910 ANDERSEN DR, SR (FL-09383)	6/30/17	75	\$ -	\$ 6,302	\$ -	\$ 6,524
6000	Transmission & Distrib.	601673	2016-17 COUNTY PRP	6/30/17	75	\$ -	\$ 1,041,361	\$ -	\$ 1,078,190
6000	Transmission & Distrib.	601674	FFIP FORBES HILL KNOLLS PRP	6/30/17	75	\$ -	\$ 916,618	\$ -	\$ 949,036
6000	Transmission & Distrib.	601675	ALTA VISTA PRP	6/30/17	75	\$ -	\$ 276,617	\$ -	\$ 286,400
6000	Transmission & Distrib.	601676	2016 MMWD PRP	6/30/17	75	\$ -	\$ 660,347	\$ -	\$ 683,701
6000	Transmission & Distrib.	601677	2016 FFIP MILL VALLEY PRP	6/30/17	75	\$ -	\$ 991,852	\$ -	\$ 1,026,930
6000 Transmission & Distribution Totals									
						\$ 280,058,422	\$ 211,390,847	\$ 731,228,144	\$ 399,187,400
9000	Construction in Progress	900266	HILLSIDE AVE-SERVICES-CONST.	6/30/05		\$ 748	\$ 748	\$ 1,116	\$ 1,116
9000	Construction in Progress	900327	Lagunitas Creek Riparian Mgmt.-Design	9/30/02		\$ 462	\$ 462	\$ 786	\$ 786
9000	Construction in Progress	900328	Lagunitas Creek Riparian Mgmt.-Const.	12/31/02		\$ 5,003	\$ 5,003	\$ 8,506	\$ 8,506
9000	Construction in Progress	900417	Demolition of CM 2nd Lift Tank - Constu	11/30/04		\$ 78	\$ 78	\$ 122	\$ 122
9000	Construction in Progress	900458	Voice Radio - Replace Controllers- Const	3/31/03		\$ 16,521	\$ 16,521	\$ 27,435	\$ 27,435
9000	Construction in Progress	900592	Desalination Project - Studies	11/30/03		\$ 85,933	\$ 85,933	\$ 142,704	\$ 142,704

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
9000	Construction in Progress	900632	SCADA System Upgrade-Const.	6/30/04		\$ (329)	\$ (329)	\$ (514)	\$ (514)
9000	Construction in Progress	900721	Wireless Video Camera Pilot Project	10/31/04		\$ 66,047	\$ 66,047	\$ 103,192	\$ 103,192
9000	Construction in Progress	900747	Desalination Project - Design	10/31/04		\$ 199,299	\$ 199,299	\$ 311,383	\$ 311,383
9000	Construction in Progress	900748	Desalination Project - Construct	11/30/04		\$ 572,008	\$ 572,008	\$ 893,700	\$ 893,700
9000	Construction in Progress	900835	Task #3 Design and Construct Road Repair	1/31/06		\$ 269,364	\$ 269,364	\$ 386,319	\$ 386,319
9000	Construction in Progress	900837	Task #5 Sediment Load Reduction Ests.	6/30/05		\$ 495	\$ 495	\$ 739	\$ 739
9000	Construction in Progress	900838	Task #6 GIS Road and Stream Map	8/31/05		\$ 39,792	\$ 39,792	\$ 59,407	\$ 59,407
9000	Construction in Progress	900839	Task #9 Draft and Final Project Report	4/30/07		\$ 2,609	\$ 2,609	\$ 3,641	\$ 3,641
9000	Construction in Progress	900840	Task #10 Project Assessment & Eval.	5/31/05		\$ 195	\$ 195	\$ 291	\$ 291
9000	Construction in Progress	900841	Administration	5/31/05		\$ 3,391	\$ 3,391	\$ 5,063	\$ 5,063
9000	Construction in Progress	900868	Redwood Creek Sediment Control-Design	6/30/05		\$ 281,063	\$ 281,063	\$ 419,609	\$ 419,609
9000	Construction in Progress	900916	Access Control & Alarm Monitoring Proj	6/30/05		\$ 152,436	\$ 152,436	\$ 227,578	\$ 227,578
9000	Construction in Progress	900917	Access Control & Alarm Monitoring Proj	8/31/05		\$ 7,066	\$ 7,066	\$ 10,548	\$ 10,548
9000	Construction in Progress	900920	Mission Avenue, San Rafael -Pipeline	10/31/05		\$ 2,157	\$ 2,157	\$ 3,220	\$ 3,220
9000	Construction in Progress	901003	Laboratory Info Mgmt System Upgrade	9/30/05		\$ 56,648	\$ 56,648	\$ 81,244	\$ 81,244
9000	Construction in Progress	901004	Laboratory Info Mgmt System Upgrade	8/31/06		\$ 180,702	\$ 180,702	\$ 259,161	\$ 259,161
9000	Construction in Progress	901013	Mill Valley Watersheds Sed.Control-Const	4/30/06		\$ (238)	\$ (238)	\$ (318)	\$ (318)
9000	Construction in Progress	901116	Laboratory Info Mgmt System Upgrade	12/31/06		\$ 72,700	\$ 72,700	\$ 104,265	\$ 104,265
9000	Construction in Progress	901165	Oak Road, Larkspur PEA-Pipeline	2/28/07		\$ 11,813	\$ 11,813	\$ 16,485	\$ 16,485
9000	Construction in Progress	901181	Carson Falls Trail Restoration - Design	9/30/07		\$ 159	\$ 159	\$ 222	\$ 222
9000	Construction in Progress	901281	Water Quality Lab Security System Proj	11/30/07		\$ 28,686	\$ 28,686	\$ 40,031	\$ 40,031
9000	Construction in Progress	901282	Water Quality Lab Security System Proj	7/31/08		\$ 2,102	\$ 2,102	\$ 2,812	\$ 2,812
9000	Construction in Progress	901312	Mt Tamalpais Watershed Gateway Proj	5/31/08		\$ 20,125	\$ 20,125	\$ 26,922	\$ 26,922
9000	Construction in Progress	901367	La Cuesta Dr Abandonment Project	8/31/08		\$ 3,583	\$ 3,583	\$ 4,792	\$ 4,792
9000	Construction in Progress	901423	Montecito Dr Booster Pump Station Repl	1/31/09		\$ 9,859	\$ 9,859	\$ 12,788	\$ 12,788
9000	Construction in Progress	901442	Voice Recorder Replacement	10/31/08		\$ 201	\$ 201	\$ 269	\$ 269
9000	Construction in Progress	901460	Fueling Stations Phase II EVR Upgrade	3/31/09		\$ 290	\$ 290	\$ 376	\$ 376
9000	Construction in Progress	901461	Fueling Stations Phase II EVR Upgrade	3/31/09		\$ 93,312	\$ 93,312	\$ 121,039	\$ 121,039
9000	Construction in Progress	901496	Phone System Software Upgrade	4/30/10		\$ 188,152	\$ 188,152	\$ 237,625	\$ 237,625
9000	Construction in Progress	901501	Voice Radio Replacement Project	6/30/09		\$ 222,746	\$ 222,746	\$ 288,930	\$ 288,930
9000	Construction in Progress	901502	Voice Radio Replacement Project	3/31/09		\$ 32,298	\$ 32,298	\$ 41,894	\$ 41,894
9000	Construction in Progress	901520	Replacement of Failed Control Systems	5/31/09		\$ 747,345	\$ 747,345	\$ 969,404	\$ 969,404
9000	Construction in Progress	901528	Lagunitas Creek SQ & Habitat Imprvmnt.	7/31/09		\$ 7,593	\$ 7,593	\$ 9,849	\$ 9,849
9000	Construction in Progress	901585	Easton Point Subdivision, Tiburon	6/30/09		\$ 582,031	\$ 582,031	\$ 754,972	\$ 754,972
9000	Construction in Progress	901620	Replacement of Failed Control Systems	8/31/09		\$ 59,400	\$ 59,400	\$ 77,049	\$ 77,049
9000	Construction in Progress	901643	Desalination Project-Design	8/31/09		\$ 80,814	\$ 80,814	\$ 104,826	\$ 104,826
9000	Construction in Progress	901644	Desalination Project	8/31/09		\$ 380,420	\$ 380,420	\$ 493,455	\$ 493,455
9000	Construction in Progress	901667	SAP Upgrade - Outside Services	10/31/09		\$ 875,984	\$ 875,984	\$ 1,136,267	\$ 1,136,267
9000	Construction in Progress	901675	SAP Upgrade - Software	9/30/09		\$ 229,894	\$ 229,894	\$ 298,203	\$ 298,203
9000	Construction in Progress	901676	SAP Upgrade - Hardware	1/31/10		\$ 145,361	\$ 145,361	\$ 183,583	\$ 183,583
9000	Construction in Progress	901677	SAP Upgrade - MMWD Labor	9/30/09		\$ 1,720,616	\$ 1,720,616	\$ 2,231,866	\$ 2,231,866
9000	Construction in Progress	901678	Document Management Phase 2	10/31/09		\$ 36,577	\$ 36,577	\$ 47,446	\$ 47,446
9000	Construction in Progress	901679	Document Management Phase 2	11/30/09		\$ 42,695	\$ 42,695	\$ 55,381	\$ 55,381
9000	Construction in Progress	901704	SAP Upgrade-Travel & Training	4/30/10		\$ 13,384	\$ 13,384	\$ 16,903	\$ 16,903
9000	Construction in Progress	901742	SGTP Electrical Service Upgrade - Const.	7/31/10		\$ 73	\$ 73	\$ 93	\$ 93
9000	Construction in Progress	901743	Elec panel for Diesel Particulate filter	4/30/10		\$ 244	\$ 244	\$ 308	\$ 308
9000	Construction in Progress	901744	Elec panel for Diesel Particulate filter	4/30/10		\$ 6,337	\$ 6,337	\$ 8,003	\$ 8,003
9000	Construction in Progress	901797	Mira Mar Road, Tiburon PEA-Pipel	10/31/10		\$ 4,991	\$ 4,991	\$ 6,304	\$ 6,304
9000	Construction in Progress	901807	Grady Ranch Review & Engineering Studies	5/31/11		\$ 8,939	\$ 8,939	\$ 10,955	\$ 10,955
9000	Construction in Progress	901902	FY2011 Pipeline Replacement Project-Desi	12/31/10		\$ 18,068	\$ 18,068	\$ 22,819	\$ 22,819

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
9000	Construction in Progress	901903	FY2011 Pipeline Replacement Project-Cons	2/28/11		\$ 2,382	\$ 2,382	\$ 2,920	\$ 2,920
9000	Construction in Progress	901911	PC Replacements 2011 for batch from 2005	1/31/11		\$ 21,581	\$ 21,581	\$ 26,450	\$ 26,450
9000	Construction in Progress	901912	PC Replacements 2011 for batch from 2005	1/31/11		\$ 31,341	\$ 31,341	\$ 38,413	\$ 38,413
9000	Construction in Progress	901913	PC Replacements 2011 for batch from 2006	1/31/11		\$ 20,378	\$ 20,378	\$ 24,976	\$ 24,976
9000	Construction in Progress	901914	PC Replacements 2011 for batch from 2006	2/28/11		\$ 24,625	\$ 24,625	\$ 30,181	\$ 30,181
9000	Construction in Progress	901985	Edgewood Av Area Easement Pipe Abandonme	5/31/11		\$ 7,520	\$ 7,520	\$ 9,217	\$ 9,217
9000	Construction in Progress	902001	2012 Hydrant Body Upgrades	7/31/11		\$ 7,562	\$ 7,562	\$ 9,269	\$ 9,269
9000	Construction in Progress	902016	Replacement of Failed Control Systems	9/30/11		\$ 34,739	\$ 34,739	\$ 42,577	\$ 42,577
9000	Construction in Progress	902079	Hydraulic Modeling - Labor	1/31/12		\$ 95,927	\$ 95,927	\$ 114,565	\$ 114,565
9000	Construction in Progress	902080	Hydraulic Modeling - Outside Services	1/31/12		\$ 128,507	\$ 128,507	\$ 153,474	\$ 153,474
9000	Construction in Progress	902169	IT Mobile Computing - Software	12/31/13		\$ 292	\$ 292	\$ 340	\$ 340
9000	Construction in Progress	902170	IT Mobile Computing - Hardware	6/30/12		\$ 53,024	\$ 53,024	\$ 63,326	\$ 63,326
9000	Construction in Progress	902173	2012/13 SCADA System RTU Battery Repl	11/30/12		\$ 48,181	\$ 48,181	\$ 57,542	\$ 57,542
9000	Construction in Progress	902196	2012/13 Repl of Failed Control Systems	11/30/12		\$ 6,666	\$ 6,666	\$ 7,961	\$ 7,961
9000	Construction in Progress	902213	SGTP Caustic Tank Replacement Proj	11/30/12		\$ 2,258	\$ 2,258	\$ 2,696	\$ 2,696
9000	Construction in Progress	902219	Bon Air Road Bridge PRP	10/31/13		\$ 11,994	\$ 11,994	\$ 14,133	\$ 14,133
9000	Construction in Progress	902220	Bon Air Road Bridge PRP	6/30/14		\$ 11,994	\$ 11,994	\$ 13,597	\$ 13,597
9000	Construction in Progress	902234	Novell Migration - Equipment	12/31/12		\$ 156,601	\$ 156,601	\$ 187,027	\$ 187,027
9000	Construction in Progress	902235	Novell Migration - Professional Fees	7/31/13		\$ 20,411	\$ 20,411	\$ 23,766	\$ 23,766
9000	Construction in Progress	902236	Novell Migration - Training	12/31/12		\$ 2,464	\$ 2,464	\$ 2,942	\$ 2,942
9000	Construction in Progress	902252	Trmt Pnt Surface Wash Valve & BTTP Bkwa	12/31/12		\$ 3,440	\$ 3,440	\$ 4,108	\$ 4,108
9000	Construction in Progress	902253	Trmt Pnt Surface Wash Valve & BTTP Bkwa	4/30/13		\$ 720	\$ 720	\$ 838	\$ 838
9000	Construction in Progress	902276	120 Main Dr	2/28/13		\$ 3,018	\$ 3,018	\$ 3,514	\$ 3,514
9000	Construction in Progress	902301	Grant Administration	3/31/13		\$ 35,948	\$ 35,948	\$ 41,857	\$ 41,857
9000	Construction in Progress	902302	Jewell Creek	5/31/13		\$ 152,353	\$ 152,353	\$ 177,399	\$ 177,399
9000	Construction in Progress	902303	Big Bend	6/30/13		\$ 184,040	\$ 184,040	\$ 214,294	\$ 214,294
9000	Construction in Progress	902304	Eucalyptus	8/31/15		\$ 2,258	\$ 2,258	\$ 2,501	\$ 2,501
9000	Construction in Progress	902311	GIS Development-Equipment	4/30/13		\$ 20,026	\$ 20,026	\$ 23,318	\$ 23,318
9000	Construction in Progress	902312	GIS Development-Professional Fees	4/30/13		\$ 1,840	\$ 1,840	\$ 2,142	\$ 2,142
9000	Construction in Progress	902313	GIS Development-Training	4/30/13		\$ 2,000	\$ 2,000	\$ 2,329	\$ 2,329
9000	Construction in Progress	902326	GIS GPS Development	6/30/13		\$ 26,098	\$ 26,098	\$ 30,389	\$ 30,389
9000	Construction in Progress	902349	Website Upgrade 2013- Professional Fees	11/30/13		\$ 32,751	\$ 32,751	\$ 38,135	\$ 38,135
9000	Construction in Progress	902350	Document Management Upgrade 2013_Prof F	10/31/13		\$ 79,534	\$ 79,534	\$ 92,609	\$ 92,609
9000	Construction in Progress	902367	2014 Repl of Failed Control Systems	5/31/14		\$ 4,102	\$ 4,102	\$ 4,650	\$ 4,650
9000	Construction in Progress	902368	2014 Repl of Failed Control Systems	10/31/13		\$ 21,907	\$ 21,907	\$ 25,509	\$ 25,509
9000	Construction in Progress	902401	FFIP North Marin Line Stabilization Proj	9/30/13		\$ 191,684	\$ 191,684	\$ 223,194	\$ 223,194
9000	Construction in Progress	902402	FFIP North Marin Line Stabilization Proj	4/30/14		\$ 56,665	\$ 56,665	\$ 64,237	\$ 64,237
9000	Construction in Progress	902453	SAP Upgrade Project Activity 2014-Prof	5/31/14		\$ 108,180	\$ 108,180	\$ 122,636	\$ 122,636
9000	Construction in Progress	902460	FFIP-NML-Woodacre Relocation Project	3/31/14		\$ 106,187	\$ 106,187	\$ 120,377	\$ 120,377
9000	Construction in Progress	902461	FFIP-NML-Woodacre Relocation Project	8/31/15		\$ 1,039,986	\$ 1,039,986	\$ 1,152,060	\$ 1,152,060
9000	Construction in Progress	902468	Village At Loch Lomond Marina P-1	4/30/14		\$ 140,056	\$ 140,056	\$ 158,772	\$ 158,772
9000	Construction in Progress	902469	Village At Loch Lomond Marina P-1	11/30/14		\$ 11,419	\$ 11,419	\$ 12,945	\$ 12,945
9000	Construction in Progress	902470	Village At Loch Lomond Marina P-1	11/30/14		\$ 3,163	\$ 3,163	\$ 3,586	\$ 3,586
9000	Construction in Progress	902471	Village At Loch Lomond Marina P-1	10/31/14		\$ 31,842	\$ 31,842	\$ 36,097	\$ 36,097
9000	Construction in Progress	902474	Mobile Computing 2014 - Prof Fees	5/31/14		\$ 39,699	\$ 39,699	\$ 45,004	\$ 45,004
9000	Construction in Progress	902476	Soulajule Environmental Enhancement Pro	6/30/14		\$ 750,038	\$ 750,038	\$ 850,269	\$ 850,269
9000	Construction in Progress	902484	Fluoride Analyzer Replacement Project	5/31/14		\$ 1,549	\$ 1,549	\$ 1,756	\$ 1,756
9000	Construction in Progress	902490	CMSA/MMWD Recycled Water Feasibility Stu	4/30/15		\$ 157,333	\$ 157,333	\$ 174,288	\$ 174,288
9000	Construction in Progress	902510	SAP Upgrade Project Activity 2014	9/30/14		\$ 162,317	\$ 162,317	\$ 184,008	\$ 184,008
9000	Construction in Progress	902535	LGVRP Evaluation Project	10/31/14		\$ 56,000	\$ 56,000	\$ 63,484	\$ 63,484
9000	Construction in Progress	902537	Log Cabin Project	8/31/14		\$ 1,144	\$ 1,144	\$ 1,296	\$ 1,296

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
9000	Construction in Progress	902538	Log Cabin Project	9/30/14		\$ 71,248	\$ 71,248	\$ 80,769	\$ 80,769
9000	Construction in Progress	902540	Nicasio Re-Roof Compressor & Inlet Build	8/31/14		\$ 9,757	\$ 9,757	\$ 11,061	\$ 11,061
9000	Construction in Progress	902541	Kent Lake 18" Stream Valve Replacement	8/31/14		\$ 264	\$ 264	\$ 299	\$ 299
9000	Construction in Progress	902542	Kent Lake 18" Stream Valve Replacement	8/31/14		\$ 20,308	\$ 20,308	\$ 23,022	\$ 23,022
9000	Construction in Progress	902561	2014-15 SFD Rectifier Anode Replacement	9/30/14		\$ 8,057	\$ 8,057	\$ 9,133	\$ 9,133
9000	Construction in Progress	902566	Replacement of Telephone System	11/30/14		\$ 146,466	\$ 146,466	\$ 166,039	\$ 166,039
9000	Construction in Progress	902584	2014/2015 Marin City Rectifier Repl	3/31/15		\$ 14,253	\$ 14,253	\$ 15,789	\$ 15,789
9000	Construction in Progress	902588	Water Treatment Plant Air Compressor SG	6/30/15		\$ 20,638	\$ 20,638	\$ 22,862	\$ 22,862
9000	Construction in Progress	902599	Upper Road Tank Replacement Project	12/31/14		\$ 120,068	\$ 120,068	\$ 136,114	\$ 136,114
9000	Construction in Progress	902600	Upper Road Tank Replacement Project	1/31/15		\$ 517,886	\$ 517,886	\$ 573,695	\$ 573,695
9000	Construction in Progress	902601	Madrone Avenue PRP	12/31/14		\$ 54,535	\$ 54,535	\$ 61,823	\$ 61,823
9000	Construction in Progress	902602	Madrone Avenue PRP	12/31/14		\$ 421,620	\$ 421,620	\$ 477,963	\$ 477,963
9000	Construction in Progress	902603	AMR/AMI Prop 84 Grant - Labor	12/31/14		\$ 12,343	\$ 12,343	\$ 13,992	\$ 13,992
9000	Construction in Progress	902604	AMR/AMI Prop 84 Grant - Environmental	12/31/14		\$ 137	\$ 137	\$ 156	\$ 156
9000	Construction in Progress	902605	AMR/AMI Prop 84 Grant - SAP Portal	12/31/14		\$ 50	\$ 50	\$ 57	\$ 57
9000	Construction in Progress	902606	AMR/AMI Prop 84 Grant - Meters	12/31/14		\$ 140,761	\$ 140,761	\$ 155,930	\$ 155,930
9000	Construction in Progress	902610	Scott Highlands Tank Seismic Retrofit	1/31/15		\$ 18,701	\$ 18,701	\$ 21,200	\$ 21,200
9000	Construction in Progress	902611	Scott Highlands Tank Seismic Retrofit	2/28/15		\$ 232	\$ 232	\$ 257	\$ 257
9000	Construction in Progress	902616	Meadow Club Tank Staircase Project	1/31/15		\$ 11,075	\$ 11,075	\$ 12,269	\$ 12,269
9000	Construction in Progress	902618	Deer Park Parking Lot Paving Project	1/31/15		\$ 307	\$ 307	\$ 340	\$ 340
9000	Construction in Progress	902619	Deer Park Parking Lot Paving Project	8/31/15		\$ 663	\$ 663	\$ 734	\$ 734
9000	Construction in Progress	902622	Lagunitas Picnic Grounds Tank Replacement	2/28/15		\$ 1,857	\$ 1,857	\$ 2,058	\$ 2,058
9000	Construction in Progress	902623	Lagunitas Picnic Grounds Tank Replacement	3/31/15		\$ 19,478	\$ 19,478	\$ 21,577	\$ 21,577
9000	Construction in Progress	902629	SF Drake Kenfield PRP	3/31/15		\$ 181,487	\$ 181,487	\$ 201,045	\$ 201,045
9000	Construction in Progress	902630	SF Drake Kenfield PRP	2/29/16		\$ 17,753	\$ 17,753	\$ 19,090	\$ 19,090
9000	Construction in Progress	902636	Village At Loch Lomond Marina P.-II	3/31/15		\$ 93,394	\$ 93,394	\$ 103,459	\$ 103,459
9000	Construction in Progress	902637	Village At Loch Lomond Marina P.-II	5/31/15		\$ 1,283	\$ 1,283	\$ 1,421	\$ 1,421
9000	Construction in Progress	902638	Village At Loch Lomond Marina P.-II	3/31/15		\$ 4,386	\$ 4,386	\$ 4,858	\$ 4,858
9000	Construction in Progress	902639	Village At Loch Lomond Marina P.-II	3/31/15		\$ 31,935	\$ 31,935	\$ 35,376	\$ 35,376
9000	Construction in Progress	902640	FFIP Tiburon PRP	3/31/15		\$ 277,773	\$ 277,773	\$ 307,707	\$ 307,707
9000	Construction in Progress	902641	FFIP Tiburon PRP	10/31/15		\$ 15,557	\$ 15,557	\$ 17,233	\$ 17,233
9000	Construction in Progress	902642	Porteous Residence Repair	3/31/17		\$ 1,066	\$ 1,066	\$ 1,104	\$ 1,104
9000	Construction in Progress	902643	Porteous Residence Repair	4/30/15		\$ 123,577	\$ 123,577	\$ 136,894	\$ 136,894
9000	Construction in Progress	902645	BTTP Ferric Chloride Chem Metering Pump	8/31/15		\$ 28,938	\$ 28,938	\$ 32,057	\$ 32,057
9000	Construction in Progress	902647	BTTP Fluoride Chem Metering Pump Repl	9/30/15		\$ 15,144	\$ 15,144	\$ 16,776	\$ 16,776
9000	Construction in Progress	902649	SGTP Ferric Chloride Chem Metering Pump	8/31/15		\$ 18,463	\$ 18,463	\$ 20,453	\$ 20,453
9000	Construction in Progress	902651	San Francisco Theological Seminary PRP	4/30/15		\$ 56,348	\$ 56,348	\$ 62,420	\$ 62,420
9000	Construction in Progress	902653	Mesa Vista Tank PRP	5/31/15		\$ 12,233	\$ 12,233	\$ 13,551	\$ 13,551
9000	Construction in Progress	902654	Mesa Vista Tank PRP	5/31/15		\$ 76	\$ 76	\$ 84	\$ 84
9000	Construction in Progress	902659	Operations Roof Replacement	4/30/15		\$ 16,892	\$ 16,892	\$ 18,712	\$ 18,712
9000	Construction in Progress	902664	Tank Hatch Alarm Project	4/30/15		\$ 46,201	\$ 46,201	\$ 51,180	\$ 51,180
9000	Construction in Progress	902668	Throckmorton Fire Station Road Repair	5/31/15		\$ 21,000	\$ 21,000	\$ 23,263	\$ 23,263
9000	Construction in Progress	902671	Soulajule Pump Station Electrification	5/31/15		\$ 9,229	\$ 9,229	\$ 10,224	\$ 10,224
9000	Construction in Progress	902672	Soulajule Pump Station Electrification	6/30/15		\$ 25,412	\$ 25,412	\$ 28,150	\$ 28,150
9000	Construction in Progress	902673	2015 Phoenix Lake Water Supply Project	4/30/15		\$ 25,466	\$ 25,466	\$ 28,210	\$ 28,210
9000	Construction in Progress	902674	2015 Phoenix Lake Water Supply Project	8/31/15		\$ 4,184	\$ 4,184	\$ 4,634	\$ 4,634
9000	Construction in Progress	902678	Sausalito PRP	5/31/15		\$ 74,731	\$ 74,731	\$ 82,784	\$ 82,784
9000	Construction in Progress	902679	Sausalito PRP	8/31/15		\$ 723,618	\$ 723,618	\$ 801,599	\$ 801,599
9000	Construction in Progress	902682	Chula Vista Tank Seismic Retrofit	6/30/15		\$ 7,341	\$ 7,341	\$ 8,132	\$ 8,132
9000	Construction in Progress	902685	Water Supply Resiliency-MMWD Labor	7/31/15		\$ 49,026	\$ 49,026	\$ 54,309	\$ 54,309
9000	Construction in Progress	902686	Water Supply Resiliency-Model & Software	7/31/15		\$ 192,957	\$ 192,957	\$ 213,751	\$ 213,751

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
9000	Construction in Progress	902687	Porteous Residence Repair-Appiances	6/30/15		\$ 2,861	\$ 2,861	\$ 3,169	\$ 3,169
9000	Construction in Progress	902689	SAP Project Activity 2015- Software/hard	11/30/15		\$ 111,038	\$ 111,038	\$ 123,004	\$ 123,004
9000	Construction in Progress	902690	SAP Project Activity 2015-Prof Fees	9/30/15		\$ 339,095	\$ 339,095	\$ 375,637	\$ 375,637
9000	Construction in Progress	902692	Homestead Ave PRP	2/29/16		\$ 1,326	\$ 1,326	\$ 1,425	\$ 1,425
9000	Construction in Progress	902695	Soulajule Pump Station Fuel System Impro	6/30/15		\$ 6,009	\$ 6,009	\$ 6,656	\$ 6,656
9000	Construction in Progress	902697	FY 2016 New Service Connections	7/31/15		\$ 569,119	\$ 569,119	\$ 630,450	\$ 630,450
9000	Construction in Progress	902698	FY 2016 Hydrant body upgrades	9/30/15		\$ 10,459	\$ 10,459	\$ 11,586	\$ 11,586
9000	Construction in Progress	902699	FY 2016 Fireline Retrofits	8/31/15		\$ 35,834	\$ 35,834	\$ 39,695	\$ 39,695
9000	Construction in Progress	902700	2016 Renewal of Fireline Laterals	6/30/17		\$ 976	\$ 976	\$ 1,010	\$ 1,010
9000	Construction in Progress	902703	2016 Renewal of Service Laterals	6/30/15		\$ 526,209	\$ 526,209	\$ 582,916	\$ 582,916
9000	Construction in Progress	902704	Grant Management-Phase I	7/31/15		\$ 2,810	\$ 2,810	\$ 3,113	\$ 3,113
9000	Construction in Progress	902705	Pre-Construction-Phase I	7/31/15		\$ 110,362	\$ 110,362	\$ 122,255	\$ 122,255
9000	Construction in Progress	902706	Construction - Phase I	10/31/15		\$ 31,062	\$ 31,062	\$ 34,410	\$ 34,410
9000	Construction in Progress	902708	Forbes Hill Tank Solar Project	7/31/15		\$ 12,319	\$ 12,319	\$ 13,646	\$ 13,646
9000	Construction in Progress	902709	Forbes Hill Tank Solar Project	11/30/16		\$ 110	\$ 110	\$ 118	\$ 118
9000	Construction in Progress	902710	2016 Cathodic Protection of Existing Pip	7/31/15		\$ 8,136	\$ 8,136	\$ 9,012	\$ 9,012
9000	Construction in Progress	902711	2016 Cathodic Protection of Existing Pip	7/31/15		\$ 17,534	\$ 17,534	\$ 19,424	\$ 19,424
9000	Construction in Progress	902713	Bayview Dr & Panoramic Hwy, MV HY-01697	9/30/15		\$ 8,458	\$ 8,458	\$ 9,370	\$ 9,370
9000	Construction in Progress	902714	Stony Hill Road, Tiburon	7/31/15		\$ 3,120	\$ 3,120	\$ 3,456	\$ 3,456
9000	Construction in Progress	902717	Bolsa Tank Replacement Project	7/31/15		\$ 31,275	\$ 31,275	\$ 34,645	\$ 34,645
9000	Construction in Progress	902718	Bolsa Tank Replacement Project	7/31/15		\$ 15,430	\$ 15,430	\$ 17,092	\$ 17,092
9000	Construction in Progress	902719	Grant Management-Phase II	4/30/16		\$ 16,578	\$ 16,578	\$ 17,826	\$ 17,826
9000	Construction in Progress	902720	Pre-Construction-Phase II	7/31/15		\$ 169,905	\$ 169,905	\$ 188,215	\$ 188,215
9000	Construction in Progress	902721	Construction - Phase II	4/30/16		\$ 27,327	\$ 27,327	\$ 29,384	\$ 29,384
9000	Construction in Progress	902723	2016 Large Production Meter Replacements	10/31/16		\$ 1,856	\$ 1,856	\$ 1,996	\$ 1,996
9000	Construction in Progress	902724	2016 Large Production Meter Replacements	1/31/16		\$ 29,177	\$ 29,177	\$ 31,374	\$ 31,374
9000	Construction in Progress	902725	Sausalito Tanks Staircase Project	8/31/15		\$ 25,034	\$ 25,034	\$ 27,731	\$ 27,731
9000	Construction in Progress	902726	Sausalito Tanks Staircase Project	9/30/15		\$ 252	\$ 252	\$ 279	\$ 279
9000	Construction in Progress	902727	SCADA System-Complete RTU Replacement	3/31/16		\$ 7,606	\$ 7,606	\$ 8,179	\$ 8,179
9000	Construction in Progress	902728	SCADA System-Complete RTU Replacement	10/31/15		\$ 651,338	\$ 651,338	\$ 721,529	\$ 721,529
9000	Construction in Progress	902729	SCADA System-Complete RTU Replacement	12/31/16		\$ 21,334	\$ 21,334	\$ 22,940	\$ 22,940
9000	Construction in Progress	902730	SCADA System-Complete RTU Replacement	9/30/15		\$ 129,728	\$ 129,728	\$ 143,708	\$ 143,708
9000	Construction in Progress	902736	Recycled Water Truck Fill Station	8/31/15		\$ 14,770	\$ 14,770	\$ 16,362	\$ 16,362
9000	Construction in Progress	902740	Ignacio Annomia Analyzer Project	7/31/16		\$ 91	\$ 91	\$ 98	\$ 98
9000	Construction in Progress	902746	2016 Replacement of Failed Control Syste	8/31/15		\$ 7,665	\$ 7,665	\$ 8,490	\$ 8,490
9000	Construction in Progress	902751	Las Gallinas Supply Pump Rebuild	11/30/15		\$ 14,541	\$ 14,541	\$ 16,108	\$ 16,108
9000	Construction in Progress	902753	Bon Tempe Scour Valve Replacement	9/30/15		\$ 14,833	\$ 14,833	\$ 16,432	\$ 16,432
9000	Construction in Progress	902754	Throckmorton Booster Discharge Pipe Inst	8/31/15		\$ 9,686	\$ 9,686	\$ 10,730	\$ 10,730
9000	Construction in Progress	902755	Throckmorton Booster Discharge Pipe Inst	8/31/15		\$ 54,593	\$ 54,593	\$ 60,476	\$ 60,476
9000	Construction in Progress	902757	System Corrections-Fairfax, SR, CM & Sau	11/30/15		\$ 59,583	\$ 59,583	\$ 66,004	\$ 66,004
9000	Construction in Progress	902758	Mariner Highlands Tank Replacement	8/31/15		\$ 110,978	\$ 110,978	\$ 122,938	\$ 122,938
9000	Construction in Progress	902759	Mariner Highlands Tank Replacement	11/30/15		\$ 72,981	\$ 72,981	\$ 80,846	\$ 80,846
9000	Construction in Progress	902763	FFIP Upper Toussin Av Directional Drill	8/31/15		\$ 3,946	\$ 3,946	\$ 4,371	\$ 4,371
9000	Construction in Progress	902764	FFIP Upper Toussin Av Directional Drill	4/30/16		\$ 829	\$ 829	\$ 891	\$ 891
9000	Construction in Progress	902766	2016 Indian Fire Trail Tank Recoating	9/30/15		\$ 67	\$ 67	\$ 74	\$ 74
9000	Construction in Progress	902769	2016 Lucas Valley Tank Recoating Project	9/30/15		\$ 48,868	\$ 48,868	\$ 54,135	\$ 54,135
9000	Construction in Progress	902770	2016 Lucas Valley Tank Recoating Project	9/30/15		\$ 744,003	\$ 744,003	\$ 824,180	\$ 824,180
9000	Construction in Progress	902771	FFIP Sausalito PRP	9/30/15		\$ 115,654	\$ 115,654	\$ 128,118	\$ 128,118
9000	Construction in Progress	902772	FFIP Sausalito PRP	12/31/15		\$ 3,529	\$ 3,529	\$ 3,909	\$ 3,909
9000	Construction in Progress	902774	Soulajule Pump House Roof Repair	4/30/16		\$ 29,676	\$ 29,676	\$ 31,911	\$ 31,911
9000	Construction in Progress	902776	Redwood Ave PRP	10/31/15		\$ 336	\$ 336	\$ 372	\$ 372

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acqis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
9000	Construction in Progress	902777	Redwood Ave PRP	10/31/15		\$ 2,885	\$ 2,885	\$ 3,196	\$ 3,196
9000	Construction in Progress	902778	Ignacio Treatment Plant Security Project	10/31/15		\$ 3,525	\$ 3,525	\$ 3,905	\$ 3,905
9000	Construction in Progress	902780	Water Supply Resiliency- WRP	12/31/15		\$ 310,135	\$ 310,135	\$ 343,557	\$ 343,557
9000	Construction in Progress	902782	Marin General Hospital PRP	11/30/15		\$ 21,693	\$ 21,693	\$ 24,030	\$ 24,030
9000	Construction in Progress	902783	Marin General Hospital PRP	12/31/15		\$ 43,199	\$ 43,199	\$ 47,855	\$ 47,855
9000	Construction in Progress	902786	Water Treatment Plant Air Compressor BT	2/29/16		\$ 17,789	\$ 17,789	\$ 19,128	\$ 19,128
9000	Construction in Progress	902787	2016 Valve Replacement Project	11/30/15		\$ 4,082	\$ 4,082	\$ 4,521	\$ 4,521
9000	Construction in Progress	902789	205 Flamingo Rd MV-Good Earth	1/31/16		\$ 5,400	\$ 5,400	\$ 5,806	\$ 5,806
9000	Construction in Progress	902791	Distribution pump motor repl 2016	4/30/16		\$ 19,399	\$ 19,399	\$ 20,860	\$ 20,860
9000	Construction in Progress	902795	BT Filter Seismic Rehab-D	5/31/16		\$ 25,223	\$ 25,223	\$ 27,123	\$ 27,123
9000	Construction in Progress	902796	SG Filter Seismic Rehab-D	3/31/16		\$ 36,962	\$ 36,962	\$ 39,745	\$ 39,745
9000	Construction in Progress	902797	BT Filter Seismic Rehab-C	2/29/16		\$ 5,440,593	\$ 5,440,593	\$ 5,850,253	\$ 5,850,253
9000	Construction in Progress	902798	SG Filter Seismic Rehab-C	12/31/16		\$ 445,130	\$ 445,130	\$ 478,647	\$ 478,647
9000	Construction in Progress	902802	207 Chula Vista Dr, SR (HY-09333)	2/29/16		\$ 29,412	\$ 29,412	\$ 31,627	\$ 31,627
9000	Construction in Progress	902803	207 Chula Vista Dr, SR (HY-09333)	12/31/16		\$ 249	\$ 249	\$ 267	\$ 267
9000	Construction in Progress	902804	207 Chula Vista Dr, SR (HY-09333)	12/31/16		\$ 402	\$ 402	\$ 432	\$ 432
9000	Construction in Progress	902807	2016 Service Improvement Project	1/31/16		\$ 156,872	\$ 156,872	\$ 168,684	\$ 168,684
9000	Construction in Progress	902808	2016 Service Improvement Project	2/29/16		\$ 243,818	\$ 243,818	\$ 262,176	\$ 262,176
9000	Construction in Progress	902809	Laveme Ave PRP	1/31/16		\$ 88,211	\$ 88,211	\$ 94,853	\$ 94,853
9000	Construction in Progress	902810	Laveme Ave PRP	4/30/16		\$ 3,016	\$ 3,016	\$ 3,243	\$ 3,243
9000	Construction in Progress	902811	Locust Ave PRP	1/31/16		\$ 48,703	\$ 48,703	\$ 52,370	\$ 52,370
9000	Construction in Progress	902812	Locust Ave PRP	2/29/16		\$ 580,896	\$ 580,896	\$ 624,636	\$ 624,636
9000	Construction in Progress	902814	Miller Ave Rectifier Installation Projec	3/31/16		\$ 10,703	\$ 10,703	\$ 11,508	\$ 11,508
9000	Construction in Progress	902815	San Quentin Ridge - Acquisition	4/30/16		\$ 12,006	\$ 12,006	\$ 12,910	\$ 12,910
9000	Construction in Progress	902816	San Quentin Ridge Tanks	8/31/16		\$ 451	\$ 451	\$ 485	\$ 485
9000	Construction in Progress	902820	Sky Oaks Rd & Filter Plant Rd Widening	2/29/16		\$ 5,047	\$ 5,047	\$ 5,427	\$ 5,427
9000	Construction in Progress	902823	Santa Margarita 12" by-pass Valve Repl	3/31/16		\$ 12,085	\$ 12,085	\$ 12,994	\$ 12,994
9000	Construction in Progress	902824	Smith Saddle Pump Station Project	2/29/16		\$ 75,348	\$ 75,348	\$ 81,021	\$ 81,021
9000	Construction in Progress	902825	Smith Saddle Pump Station Project	6/30/16		\$ 75,256	\$ 75,256	\$ 80,922	\$ 80,922
9000	Construction in Progress	902827	Indian Fire Trail Tank Seismic Retrofit	3/31/16		\$ 13,506	\$ 13,506	\$ 14,523	\$ 14,523
9000	Construction in Progress	902829	Ignacio Spare Chemical Room Improvement	3/31/16		\$ 14,720	\$ 14,720	\$ 15,828	\$ 15,828
9000	Construction in Progress	902830	Ignacio Spare Chemical Room Improvement	4/30/16		\$ 960	\$ 960	\$ 1,032	\$ 1,032
9000	Construction in Progress	902835	Bon Tempe Lake Air Compressor Repl 2016	5/31/16		\$ 32,639	\$ 32,639	\$ 35,096	\$ 35,096
9000	Construction in Progress	902838	2 Bayview St SR-Muffin Mania (FL-09343)	4/30/16		\$ 4,855	\$ 4,855	\$ 5,221	\$ 5,221
9000	Construction in Progress	902842	San Anselmo PRP	5/31/16		\$ 98,929	\$ 98,929	\$ 106,378	\$ 106,378
9000	Construction in Progress	902843	San Anselmo PRP	7/31/16		\$ 9,060	\$ 9,060	\$ 9,742	\$ 9,742
9000	Construction in Progress	902845	Terra Linda Center Pressure Regulator Re	5/31/16		\$ 10,781	\$ 10,781	\$ 11,593	\$ 11,593
9000	Construction in Progress	902846	1421-1425 Casa Buena Dr CM	6/30/16		\$ 15,708	\$ 15,708	\$ 16,891	\$ 16,891
9000	Construction in Progress	902851	Scenic Ave Pump Replacement 2016	5/31/16		\$ 3,088	\$ 3,088	\$ 3,320	\$ 3,320
9000	Construction in Progress	902854	FFIP Baywood Ave PRP	6/30/16		\$ 150,917	\$ 150,917	\$ 162,280	\$ 162,280
9000	Construction in Progress	902855	FFIP Baywood Ave PRP	7/31/16		\$ 3,788	\$ 3,788	\$ 4,073	\$ 4,073
9000	Construction in Progress	902856	1700 Fourth St., SR (FL-09365)	6/30/16		\$ 12,354	\$ 12,354	\$ 13,284	\$ 13,284
9000	Construction in Progress	902858	FY 2017 Renewal of Fireline Laterals	3/31/17		\$ 2,356	\$ 2,356	\$ 2,439	\$ 2,439
9000	Construction in Progress	902861	2017 Renewal of Service Laterals	6/30/16		\$ 601,276	\$ 601,276	\$ 646,550	\$ 646,550
9000	Construction in Progress	902862	2017 New Service Installation	7/31/16		\$ 278,078	\$ 278,078	\$ 299,016	\$ 299,016
9000	Construction in Progress	902863	2017 Hydrant Body Upgrades	7/31/16		\$ 20,125	\$ 20,125	\$ 21,641	\$ 21,641
9000	Construction in Progress	902864	2017 Fireline Retrofits	7/31/16		\$ 2,258	\$ 2,258	\$ 2,428	\$ 2,428
9000	Construction in Progress	902866	Grant Management-Phase I	6/30/16		\$ 305	\$ 305	\$ 328	\$ 328
9000	Construction in Progress	902867	Pre-Construction-Phase I	7/31/15		\$ 79,460	\$ 79,460	\$ 88,023	\$ 88,023
9000	Construction in Progress	902868	Construction - Phase I	10/31/15		\$ 5,385	\$ 5,385	\$ 5,966	\$ 5,966
9000	Construction in Progress	902870	Grant Management-Phase I	6/30/16		\$ 1,080	\$ 1,080	\$ 1,161	\$ 1,161

**Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017**

Class	Class Description	Asset No.	Asset Description	Acq. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
9000	Construction in Progress	902871	Pre-Construction-Phase I	6/30/16		\$ 81,220	\$ 81,220	\$ 87,336	\$ 87,336
9000	Construction in Progress	902872	Construction - Phase I	11/30/16		\$ 19,759	\$ 19,759	\$ 21,246	\$ 21,246
9000	Construction in Progress	902874	Miller Avenue PRP	7/31/16		\$ 2,741	\$ 2,741	\$ 2,947	\$ 2,947
9000	Construction in Progress	902875	Miller Avenue PRP	6/30/16		\$ 36,577	\$ 36,577	\$ 39,331	\$ 39,331
9000	Construction in Progress	902876	Main Street Pipeline Relocation Project	6/30/16		\$ 57,787	\$ 57,787	\$ 62,138	\$ 62,138
9000	Construction in Progress	902878	Nicasio Scour Valve Replacement Project	8/31/16		\$ 14,177	\$ 14,177	\$ 15,244	\$ 15,244
9000	Construction in Progress	902879	Eliseo Drive PRP	7/31/16		\$ 63,388	\$ 63,388	\$ 68,161	\$ 68,161
9000	Construction in Progress	902882	Pine Mountain Flush Project	4/30/17		\$ 13,535	\$ 13,535	\$ 14,014	\$ 14,014
9000	Construction in Progress	902887	2017 Large Production Meter Replacements	10/31/16		\$ 31,661	\$ 31,661	\$ 34,045	\$ 34,045
9000	Construction in Progress	902889	2017 Replace Failed Control Systems	12/31/16		\$ 4,459	\$ 4,459	\$ 4,795	\$ 4,795
9000	Construction in Progress	902891	Lab Information Mgmt Sys (LIMS) Upgrade	10/31/16		\$ 17,325	\$ 17,325	\$ 18,630	\$ 18,630
9000	Construction in Progress	902892	Alpine Dam Miscellaneous Replacements	3/31/17		\$ 8,250	\$ 8,250	\$ 8,542	\$ 8,542
9000	Construction in Progress	902894	Elm Ave PRP	9/30/16		\$ 66,392	\$ 66,392	\$ 71,391	\$ 71,391
9000	Construction in Progress	902895	Elm Ave PRP	10/31/16		\$ 329	\$ 329	\$ 354	\$ 354
9000	Construction in Progress	902896	Andersen Drive PRP	9/30/16		\$ 66,962	\$ 66,962	\$ 72,004	\$ 72,004
9000	Construction in Progress	902897	Andersen Drive PRP	10/31/16		\$ 13,899	\$ 13,899	\$ 14,945	\$ 14,945
9000	Construction in Progress	902900	FFIP Los Ranchitos PRP	9/30/16		\$ 72,517	\$ 72,517	\$ 77,978	\$ 77,978
9000	Construction in Progress	902901	FFIP Los Ranchitos PRP	12/31/16		\$ 308	\$ 308	\$ 331	\$ 331
9000	Construction in Progress	902902	440 Monte Vista Avenue PRP	10/31/16		\$ 11,628	\$ 11,628	\$ 12,504	\$ 12,504
9000	Construction in Progress	902903	440 Monte Vista Avenue PRP	10/31/16		\$ 3,065	\$ 3,065	\$ 3,295	\$ 3,295
9000	Construction in Progress	902906	542 Miller Ave., Mill Valley	11/30/16		\$ 6,310	\$ 6,310	\$ 6,785	\$ 6,785
9000	Construction in Progress	902912	Pump Station Electrical Upgrades	5/31/17		\$ 5,337	\$ 5,337	\$ 5,526	\$ 5,526
9000	Construction in Progress	902913	FFIP Meadowcroft Drive PRP	11/30/16		\$ 68,419	\$ 68,419	\$ 73,571	\$ 73,571
9000	Construction in Progress	902918	System Corrections Project-Various	2/28/17		\$ 28,990	\$ 28,990	\$ 30,015	\$ 30,015
9000	Construction in Progress	902920	Phoenix Residence Repair/Upgrade	12/31/16		\$ 57,145	\$ 57,145	\$ 61,447	\$ 61,447
9000	Construction in Progress	902924	Citigen SAP to ESRI interface-Prof	3/31/17		\$ 145,000	\$ 145,000	\$ 150,128	\$ 150,128
9000	Construction in Progress	902925	Courtwright Tank Improvement Projects	12/31/16		\$ 45,915	\$ 45,915	\$ 49,372	\$ 49,372
9000	Construction in Progress	902926	Courtwright Tank Improvement Projects	4/30/17		\$ 7,447	\$ 7,447	\$ 7,710	\$ 7,710
9000	Construction in Progress	902928	Hawthorne Hills Tank Cntrl Valve install	3/31/17		\$ 18,625	\$ 18,625	\$ 19,284	\$ 19,284
9000	Construction in Progress	902931	FFIP Almonte PRP	3/31/17		\$ 31,140	\$ 31,140	\$ 32,242	\$ 32,242
9000	Construction in Progress	902933	Miller Avenue Service Renewal Project	1/31/17		\$ 33,991	\$ 33,991	\$ 35,193	\$ 35,193
9000	Construction in Progress	902934	Miller Avenue Service Renewal Project	3/31/17		\$ 133,394	\$ 133,394	\$ 138,111	\$ 138,111
9000	Construction in Progress	902936	Sky Oaks Rd Slide Repair at Bon Tempe Lk	2/28/17		\$ 43,213	\$ 43,213	\$ 44,742	\$ 44,742
9000	Construction in Progress	902937	End of Shoreline Hwy @ on ramp to SB 101	4/30/17		\$ 3,078	\$ 3,078	\$ 3,187	\$ 3,187
9000	Construction in Progress	902940	1200 Irwin St SR (FL-09387)	3/31/17		\$ 13,725	\$ 13,725	\$ 14,211	\$ 14,211
9000	Construction in Progress	902941	McInnis Park Pipeline Relocation Project	3/31/17		\$ 31,021	\$ 31,021	\$ 32,118	\$ 32,118
9000	Construction in Progress	902943	3rd St. PRP	3/31/17		\$ 24,866	\$ 24,866	\$ 25,746	\$ 25,746
9000	Construction in Progress	902945	292 Red Hill Ave, San Anselmo (FL-09388)	3/31/17		\$ 5,877	\$ 5,877	\$ 6,085	\$ 6,085
9000	Construction in Progress	902947	Bon Tempe Treatment Plant Lighting Upgra	3/31/17		\$ 22,664	\$ 22,664	\$ 23,466	\$ 23,466
9000	Construction in Progress	902948	990 E Francisco Bl. SR- (FL-03989)	4/30/17		\$ 8,429	\$ 8,429	\$ 8,727	\$ 8,727
9000	Construction in Progress	902949	Southern Marin Line Slide Repair at SM13	5/31/17		\$ 7,024	\$ 7,024	\$ 7,273	\$ 7,273
9000	Construction in Progress	902950	Southern Marin Line Slide Repair at SM13	4/30/17		\$ 1,769	\$ 1,769	\$ 1,832	\$ 1,832
9000	Construction in Progress	902951	Southern Marin Line Slide Repair at SM3	5/31/17		\$ 3,640	\$ 3,640	\$ 3,769	\$ 3,769
9000	Construction in Progress	902952	Southern Marin Line Slide Repair at SM3	4/30/17		\$ 55	\$ 55	\$ 57	\$ 57
9000	Construction in Progress	902953	Phoenix Dam Road Slide Repair Spillway	5/31/17		\$ 5,501	\$ 5,501	\$ 5,695	\$ 5,695
9000	Construction in Progress	902954	Phoenix Dam Road Slide Repair Spillway	4/30/17		\$ 55	\$ 55	\$ 57	\$ 57
9000	Construction in Progress	902955	Eldridge Grade Slide Repair at EG24	5/31/17		\$ 7,162	\$ 7,162	\$ 7,415	\$ 7,415
9000	Construction in Progress	902956	Eldridge Grade Slide Repair at EG24	4/30/17		\$ 550	\$ 550	\$ 569	\$ 569
9000	Construction in Progress	902957	Concrete Pipe Road Slide Repair at CP9	5/31/17		\$ 3,250	\$ 3,250	\$ 3,365	\$ 3,365
9000	Construction in Progress	902958	Concrete Pipe Road Slide Repair at CP9	4/30/17		\$ 1,522	\$ 1,522	\$ 1,576	\$ 1,576
9000	Construction in Progress	902959	Concrete Pipe Road Slide Repair at CP26	5/31/17		\$ 11,241	\$ 11,241	\$ 11,639	\$ 11,639

Exhibit B-1
Marin Municipal Water District
Asset Listing by Asset Class as of 6/30/2017

Class	Class Description	Asset No.	Asset Description	Acquis. Date	Service Life (Years)	Acquisition Value	Book Value (6/30/2017)	Replacement Value	Depreciated Replac. Value
9000	Construction in Progress	902960	Concrete Pipe Road Slide Repair at CP26	4/30/17		\$ 3,731	\$ 3,731	\$ 3,863	\$ 3,863
9000	Construction in Progress	902961	Laurel Ave Fire Station Rd Slide Repair	5/31/17		\$ 7,465	\$ 7,465	\$ 7,729	\$ 7,729
9000	Construction in Progress	902962	Laurel Ave Fire Station Rd Slide Repair	6/30/17		\$ 898	\$ 898	\$ 930	\$ 930
9000	Construction in Progress	902963	Riviera Circle PRP	5/31/17		\$ 10,650	\$ 10,650	\$ 11,026	\$ 11,026
9000	Construction in Progress	902966	San Quentin 12" Control Valve Install	5/31/17		\$ 6,499	\$ 6,499	\$ 6,729	\$ 6,729
9000	Construction in Progress	902970	2017 E Canal Rectifier Anode Replacement	5/31/17		\$ 5,635	\$ 5,635	\$ 5,834	\$ 5,834
9000	Construction in Progress	902975	Silvera Ranch 12" CV Actuator Replacement	6/30/17		\$ 1,063	\$ 1,063	\$ 1,101	\$ 1,101
9000	Construction in Progress	902980	Upper Toyon Pipeline Replacement Project	6/30/17		\$ 105	\$ 105	\$ 109	\$ 109
9000	Construction in Progress	902989	NML Booster #3 Replacement Project	6/30/17		\$ 2,026	\$ 2,026	\$ 2,098	\$ 2,098
	9000 Construction in Progress Totals					\$ 30,301,824	\$ 30,301,824	\$ 35,299,988	\$ 35,299,988
	Water Supply Entitlements		1995 SCWA Agreement	1/1/96	18	\$ 2,867,344	\$ -	\$ 5,671,637	\$ -
	Water Supply Entitlements		2005 SCWA Agreement	6/1/05	49	\$ 6,326,257	\$ 4,776,970	\$ 9,444,713	\$ 7,131,722
	Water Supply Entitlements		Aqueduct Energ. Effic. Project	2/5/15	26	\$ 4,080,000	\$ 3,766,154	\$ 4,519,680	\$ 4,172,013
	Water Supply Entitlements		LGVSD Recycled Water	4/1/17	30	\$ 6,349,595	\$ 6,349,595	\$ 6,574,157	\$ 6,574,157
	Water Supply Entitlements Totals					\$ 19,623,196	\$ 58,980,796	\$ 44,088,078	\$ 17,877,891
	Grand Totals					\$ 553,159,443	\$ 427,302,144	\$ 1,588,354,574	\$ 801,185,495

APPENDIX C - SINGLE FAMILY WATER DEMAND FACTORS BY SERVICE AREA

Exhibit C-1 summarizes the average annual single family water use factors for each of the District's designated service areas. The averages are calculated based on annual water usage within each service area for the two-year period of 2016 and 2017, as determined by District staff.

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family Dwellings**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
<u>AREA 1 - SAN GERONIMO</u>			
1	RAILROAD AV	0.20	\$6,836
2	S.G. VALLEY DR	0.24	\$8,203
3	MEADOW WY	0.26	\$8,887
4	S.G. 6 TANK	0.15	\$5,127
5	DRAKE & TAMAL	0.24	\$8,203
6	L-7 TANK	0.21	\$7,178
7	L-6 TANK	0.25	\$8,545
8	L-5 TANK	0.17	\$5,811
9	LAGUNITAS DR	0.16	\$5,469
12	SMITH SADDLE TANK	See Area 3	
13	LAGUNITAS 2	n/a	n/a
14	BOTTINI RD REGULATOR	0.09	\$3,076
51	SYLVAN WY PUMP	0.19	\$6,494
52	FIR WY PUMP	0.18	\$6,152
54	W-1 PRESSURE PUMP	0.25	\$8,545
55	TAMARACK RD REGULATOR	0.26	\$8,887
56	SG-4 TANK	0.16	\$5,469
57	SG-5 REGULATOR	0.18	\$6,152
58	SG-5 TANK	n/a	n/a
59	BUCKEYE PUMP	0.17	\$5,811
60	MADRONE PUMP	0.18	\$6,152
61	W-5 TANK	0.15	\$5,127
<u>AREA 2 - FAIRFAX</u>			
1	FAIRFAX GATEHOUSE	0.21	\$7,178
2	OAK MANOR DR	0.22	\$7,520
3	FAIRFAX MANOR	0.17	\$5,811
4	OLEMA RD	0.20	\$6,836
5	SUMMER & FORREST AV	n/a	n/a
7	CASCADES	0.19	\$6,494
8	DEER PARK	0.21	\$7,178
9	HAWTHORNE HILLS	See Area 3	
10	FAWN RIDGE RD	See Area 3	
12	SMITH SADDLE TANK	See Area 3	
13	CENTER BL	See Area 3	
14	HILLSIDE AV	0.21	\$7,178
51	BAY RD TANK	0.15	\$5,127
52	FAIRFAX MANOR	0.20	\$6,836
53	CASCADES TOP TANK	0.23	\$7,861
54	SCOTT TANK	0.20	\$6,836
55	OAK MANOR 1ST TANK	0.20	\$6,836
56	OAK MANOR TOP TANK	0.27	\$9,229
<u>AREA 3 - SAN ANSELMO</u>			
1	SAN FRANCISCO BL	0.21	\$7,178
2	ARROYO AV	0.21	\$7,178
3	FAIRFAX MANOR	See Area 2	

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family Dwellings**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
4	BOLINAS AV	0.23	\$7,861
5	GREENFIELD AV	0.21	\$7,178
6	BALTUS CT	0.38	\$12,989
7	DEER HOLLOW RD	0.29	\$9,912
8	VAN WINKLE DR	0.43	\$14,698
9	HAWTHORNE HILLS	0.19	\$6,494
10	FAWN RIDGE	0.16	\$5,469
12	SMITH SADDLE TANKS	n/a	n/a
13	CENTER BL	0.17	\$5,811
14	HILLSIDE AV	See Area 2	
51	SEQUOIA TANK	0.21	\$7,178
52	OAK AVENUE TANK	0.36	\$12,305
53	MANN TANK	0.17	\$5,811
54	FAWN DRIVE TANK	0.28	\$9,570
55	DE BURGH DR REGULATOR	0.26	\$8,887
56	OAK MANOR TOP	See Area 2	
57	OAK SPRINGS	0.25	\$8,545
58	TIMOTHY AV REG	0.20	\$6,836
60	REDWOOD RD REG	0.21	\$7,178
61	WOODSIDE DR REG	0.19	\$6,494
62	SUMMIT AV TANK	0.53	\$18,116
63	TOMAHAWK TANK	0.30	\$10,254
<u>AREA 4 - ROSS AND KENTFIELD</u>			
1	MAGNOLIA AV	See Area 5	
2	LAGUNITAS RD	0.50	\$17,090
3	GRANTON PARK	0.35	\$11,963
4	BOLINAS AV	See Area 3	
5	LAUREL GROVE AV	0.40	\$13,672
6	KENT WOODLANDS GRAV	0.60	\$20,508
7	KENT WOODLANDS 1ST	0.45	\$15,381
8	EVERGREEN TANK	0.44	\$15,039
9	CROWN RD TANK	0.39	\$13,330
10	S RIDGEWOOD TANK	0.46	\$15,723
11	WINSHIP PARK	0.41	\$14,014
12	None	0.59	\$20,166
51	WINSHIP TANK	0.35	\$11,963
52	OAK AV TANK	See Area 3	
53	WINSHIP- MESA VISTA	0.62	\$21,192
54	MESA VISTA-DEL MESA	0.72	\$24,610
55	DEL MESA TANK	0.60	\$20,508
56	GOODHILL-INDIAN FIRE TL TKS	0.54	\$18,457
57	KENT FIRE TRAIL TANK	0.53	\$18,116
58	KENT FIRE TL UPPER TNK	0.52	\$17,774
59	UPPER RD TANK	2.03	\$69,386
60	Hillside Av	0.50	\$17,090
<u>AREA 5 - CORTE MADERA AND LARKSPUR</u>			
1	MAGNOLIA AV	0.25	\$8,545

Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family Dwellings

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
2	LAGUNITAS RD	See Area 4	
3	MURRAY PARK	0.28	\$9,570
4	DOHERTY DR	0.26	\$8,887
5	MILLARD RD	0.21	\$7,178
6	CRESCENT RD	0.19	\$6,494
7	MEADOWSWEET DR	0.20	\$6,836
8	HILLVIEW GARDENS	See Area 10	
9	CORTE MADERA 1ST TANK	0.20	\$6,836
10	MADERA GARDENS	0.23	\$7,861
11	CM SHOPPING CENTER	n/a	n/a
12	MADRONE WOODLANDS	0.24	\$8,203
13	CHAPMAN BOOSTER PUMP	See Area 6	
14	SCOTT HIGHLANDS	See Area 6	
15	BELLE RIVE PLACE	0.27	\$9,229
16	MADERA PARK TANK	0.25	\$8,545
51	CORTE MADERA 2ND TANK	0.18	\$6,152
52	CORTE MADERA TOP TANK	0.18	\$6,152
63	MADERA PK PRESSURE SYSTM	0.23	\$7,861
<u>AREA 6 - MILL VALLEY</u>			
2	MILL VALLEY FIRE DEPT	0.23	\$7,861
3	CASCADE RESERVOIR	0.28	\$9,570
4	BOLSA TANK	0.27	\$9,229
5	SYCAMORE TANK	0.21	\$7,178
6	CAMINO ALTO	n/a	n/a
7	ALMONTE BL	See Area 7	
8	SABELLAS RESTAURANT	0.11	\$2,365
9	LOMITA DR	0.22	\$7,520
10	SML LOWER TANK	0.25	\$8,545
11	SML UPPER TANK	0.25	\$8,545
12	LAVERNE AV	0.24	\$8,203
13	CHAPMAN BOOSTER	0.32	\$10,938
14	SCOTT HIGHLANDS*	0.35	\$11,963
15	ALTA VISTA AV	1.12	\$38,282
20	STRAWBERRY DR	See area 9	
21	SHELTER RIDGE	0.11	\$3,760
22	SHELTER RIDGE SOUTH	See Area 21	
23	ELINOR AV TANK	0.28	\$9,570
51	SUMMIT TOP TANKS	0.29	\$9,912
52	SLIDE GULCH TANKS	0.38	\$12,989
53	MINE RIDGE TANKS	0.20	\$6,836
54	KINGS WAY REGULATOR	0.15	\$5,127
55	CAMP TAM 3" REGULATOR	0.17	\$5,811
56	CAMP TAM 1" REG	0.13	\$4,443
57	FERN CANYON	0.23	\$7,861
58	MARIN TERRACE TANKS	0.21	\$7,178
59	EDGEWOOD TANK	0.24	\$8,203
60	THROCKMORTON BOOSTER	0.21	\$7,178
61	LAPACHET TANK	0.24	\$8,203

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family Dwellings**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
62	FAIRVIEW PARK	0.19	\$6,494
63	SHELTER RIDGE PRESS SYS	See Area 21	
<u>AREA 7 - TAMALPAIS VALLEY</u>			
1	MARIN AV - SHORELINE HY	0.21	\$7,178
3	MARIN CITY GRAV	See Area 8	
5	SYCAMORE AV	See Area 6	
6	CAMINO ALTO	See Area 6	
7	ALMONTE BL	0.20	\$6,836
9	COUNTYVIEW DR	0.18	\$6,152
51	TAM WOODS 1ST TANK	0.19	\$6,494
52	TAM WOODS TOP TANK	0.20	\$6,836
58	MARIN TERRACE TANKS	See Area 6	
59	COUNTYVIEW TANK	0.16	\$5,469
60	MARINVIEW 3-A	0.17	\$8,881
61	LAGUNA/	0.23	\$7,861
<u>AREA 8 - SAUSALITO</u>			
1	SAUSALITO 1ST LIFT TANK	0.14	\$4,785
2	MARINSHIP	0.13	\$4,443
3	MARIN CITY	0.15	\$5,127
7	ALMONTE BL	See Area 7	
8	MARINA VISTA GRAVITY	0.30	\$10,254
51	MONTE MAR VISTA TANK	0.21	\$7,178
52	ROMER TANK	0.21	\$7,178
53	SPENCER AV REGULATOR	0.34	\$11,621
54	CLOUD VIEW TANK	0.26	\$8,887
55	BEACON HILL TANK	0.22	\$7,520
56	BOULEVARD TANK	0.19	\$6,494
57	MARIN CITY TANK	0.15	\$5,127
58	CHANNING WY	n/a	n/a
59	MARINA VISTA HIGH LEVEL	0.18	\$6,152
60	COOPER LANE REGULATOR	0.42	\$14,356
61	WOLFBACK RIDGE TANKS	0.20	\$6,836
<u>AREA 9 - E CORTE MADERA, TIBURON, BELVEDERE, AND STRAWBERRY</u>			
1	NAVAL NET DEPOT	0.40	\$13,672
2	REED RANCH RD	0.40	\$13,672
3	TRESTLE GLEN BL	0.28	\$9,570
5	NORTH KNOLL DR	0.26	\$8,887
6	BEL AIR	0.29	\$9,912
7	MEADOWSWEET DR	See Area 5	
8	COMSTOCK DR	0.33	\$11,279
9	WASHINGTON CT	0.28	\$9,570
11	HARBOR DR	0.21	\$7,178
12	GOLDEN HIND PASSAGE	0.23	\$7,861
13	GRANADA DR	0.22	\$7,520
14	WINWARD DR	0.27	\$9,229
15	WESTWARD DR	0.27	\$9,229

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family Dwellings**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
16	JAMAICA DR	0.34	\$11,621
17	PENINSULA DR	0.30	\$10,254
18	HILARITA HOUSING	0.17	\$5,811
19	MAR WEST ST	0.19	\$6,494
20	STRAWBERRY DR	0.28	\$9,570
21	HILARITA HOUSING	n/a	n/a
51	TIBURON TOP TANK	0.50	\$17,090
52	COVE RD	0.48	\$16,407
53	HILL HAVEN TANK	0.44	\$15,039
54	MARINERO CIRCLE REG	0.16	\$5,469
55	BELLA VISTA REG	0.27	\$9,229
56	ROUND HILL RD	0.62	\$21,192
57	WILKINS COURT REG	0.40	\$13,672
58	SUGAR LOAF TANK	0.51	\$17,432
59	SAN RAFAEL AV	0.54	\$18,457
60	MARINER HIGHLANDS TANK	0.27	\$9,229
61	RICHARDSON DR PRESS SYS	0.30	\$10,254
62	LOS ALTOS PUMP	0.66	\$22,559
63	RING MOUNTAIN	0.57	\$19,483
<u>AREA 10 - GREENBRAE</u>			
1	LUCKY DR	0.23	\$7,861
2	HUTCHINSON QUARRY	0.09	\$3,076
3	SAN QUENTIN	0.16	\$5,469
4	ELISEO DR	0.29	\$9,912
5	LAUREL GROVE AV	See Area 4	
6	BON AIR APARTMENTS	0.18	\$6,152
8	HILLVIEW GARDENS	0.31	\$10,596
10	MADERA GARDENS	See Area 5	
14	E FRANCISCO BL	See Area 11	
15	GREENBRAE BOARDWALK	0.11	\$3,760
52	VIA LA PAZ	0.29	\$9,912
53	TIOGA LN REGULATOR	0.09	\$3,076
54	VISTA GRANDE REGULATOR	0.29	\$9,912
55	DEL MESA TANKS	See Area 4	
56	BRET HARTE TANK	See Area 11	
70	COURTWRIGHT TANK	See Area 11	
76	BRET HARTE TANK REG	0.36	\$12,305
<u>AREA 11 - SAN RAFAEL</u>			
1	SUN VALLEY	0.23	\$7,861
2	MOORE HILL	0.17	\$5,811
3	E SAN RAFAEL ASSESS DIST	0.17	\$5,811
4	DUBOIS ST	0.19	\$6,494
5	GREENFIELD AV	See Area 3	
6	GRAND AV	0.26	\$8,887
7	SAN RAFAEL HIGH SCHOOL	0.24	\$8,203
8	PICNIC VALLEY	0.18	\$6,152
9	MCNEAR TANK	See Area 12	

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family Dwellings**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
10	GLENWOOD TANK	See Area 12	
11	LOS RANCHITOS TANK	See Area 13	
12	LOCH LOMOND	0.37	\$12,647
13	CENTER BL	See Area 3	
14	E FRANCISCO BL	n/a	n/a
15	MAIN-MANZANITA DR	0.33	\$11,279
16	HACIENDA REGULATOR	0.17	\$5,811
51	SEQUOIA TANK	See Area 3	
52	FAIRHILLS 1ST LIFT	0.34	\$11,621
53	WINSHIP-MESA VISTA	0.23	\$7,861
54	FAIRHILLS TOP	0.34	\$11,621
55	RAFAEL HIGHLANDS	0.24	\$8,203
56	BRET HARTE TANK	0.30	\$10,254
57	FAIRHILLS DR REGULATOR	0.39	\$13,330
58	STEWART TANK	0.59	\$20,166
59	CHULA VISTA	0.20	\$6,836
60	OAK WOODLANDS TANK	0.26	\$8,887
61	DOMINICAN HEIGHTS TANK	0.25	\$8,545
62	HIND TANK	0.50	\$17,090
63	BRODEA WY REGULATOR	0.19	\$6,494
64	MARGARITA DR REGULATOR	0.61	\$20,850
65	HIND PUMP REGULATOR	0.29	\$9,912
66	SEAVIEW AV REGULATOR	0.51	\$17,432
67	LOS ROBLES DR REGULATOR	0.21	\$7,178
68	ESTATES CT REGULATOR	0.20	\$6,836
70	COURTWRIGHT TANK	0.21	\$7,178
71	ROSE ST REGULATOR	0.20	\$6,836
72	ALTENA ST REGULATOR	0.26	\$8,887
73	BAYSIDE ACRES TANK	0.42	\$14,356
75	HIGHLAND VISTA PUMP	0.24	\$8,203
76	BRET HARTE TANK REGULATOR	See Area 10	
77	NONE	n/a	n/a
<u>AREA 12 - GLENWOOD AND MCNEAR'S POINT</u>			
9	MCNEAR TANK	0.32	\$10,938
10	GLENWOOD TANK	0.25	\$8,545
15	MAIN & MANZANITA	See Area 11	
51	SAN MARINO DR	0.30	\$10,254
52	LOCKWOOD DR TANK	0.25	\$8,545
53	MCNEAR DR PUMP	0.27	\$9,229
54	KNIGHT DR PUMP	0.32	\$10,938
<u>AREA 13 - SANTA VENETIA, LOS RANCHITOS, HAMILTON AIR FORCE BASE</u>			
1	NORTHGATE SHOPPING CTR	See Area 14	
2	FREITAS PY REGULATOR	See Area 14	
3	TERRA LINDA - AIR BASE LINE	0.18	\$6,152
4	ST VINCENT'S SCHOOL	0.13	\$4,443
5	NORTHGATE INDUSTRIAL PARK	n/a	n/a
6	AIR BASE TANK	n/a	n/a

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family Dwellings**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
8	SAN RAFAEL MEADOWS	0.20	\$6,836
9	CIVIC CENTER	0.19	\$6,494
10	SANTA VENETIA TANK	0.20	\$6,836
11	LOS RANCHITOS	0.42	\$14,356
12	MEADOW-MABRY REGULATORS	0.21	\$7,178
13	SMITH RANCH RD	0.09	\$3,076
14	NONE	n/a	n/a
15	CONTEMPO MARIN	0.15	\$5,127
16	MCINNIS PARK	n/a	n/a
<u>AREA 14 - TERRA LINDA</u>			
1	NORTHGATE SHOPPING CTR	0.23	\$7,861
2	FREITAS PY REGULATOR	n/a	n/a
3	TERRA LINDA-AIR BASE	See Area 13	
4	DEL GANADO RD	0.22	\$7,520
5	TL MEADOW APTS	0.19	\$6,494
6	TRELLIS DR	0.22	\$7,520
7	DEER HOLLOW RD	See Area 3	
8	TERRA LINDA TANK	0.21	\$7,178
9	LOS GAMOS DR	See Area 8	
10	PARK RIDGE RD	See Area 15	
11	LOS RANCHITOS	See Area 13	
12	SMITH SADDLE TANK	See Area 3	
13	QUAIL HILL	0.14	\$4,785
51	ELDA DR PUMP	0.29	\$9,912
54	FAWN DR TANK	See Area 3	
<u>AREA 15 - MARINWOOD</u>			
1	MT TENAYA DR	0.29	\$9,912
2	FREITAS PY REGULATOR	See Area 14	
3	QUIETWOOD DR	0.25	\$8,545
4	ST VINCENT'S SCHOOL	See Area 13	
5	TWELVEOAK HILL DR	0.25	\$8,545
7	MARIN COUNTY FARM	0.23	\$7,861
10	PARK RIDGE RD	0.26	\$8,887
14	NONE	n/a	n/a
15	MILLER CREEK TOWNHOUSES	0.12	\$4,102
16	MILLER CREEK TANK	0.27	\$9,229
17	LUCAS VALLEY ESTATES	0.37	\$12,647
52	SKYVIEW TERRACE	0.30	\$10,254
53	SWIG TANK	0.80	\$27,344

Notes:

- (1) Based on the average annual water usage within each service area from 2016 and 2017, as compiled by District staff. n/a = Not Available.
- (2) Single family connection fee for each dwelling unit, based on the 2018 base connection fee of \$34,180 per acre-foot.

APPENDIX D - WATER USE FACTORS FOR ESTIMATING NON-RESIDENTIAL WATER DEMAND

Exhibit D-1 summarizes the water use factors currently used by District staff to estimate annual water demands for various types of non-residential development. These use factors may be revised from time to time, at the District's discretion, based on new data.

**ESTIMATED AVERAGES
CONSUMPTION CHART**

<i>Type of establishment/unit</i>	<i>Acre-feet/year unless otherwise indicated</i>
Auto Dealership	1.12 AF
Auto Repair	.11/1000 sq. ft.
Bar	.0202/seat
Beauty Shop	.089/station
Church	.064/1000 sq. ft.
Church w/School	.121/1000 sq. ft.
Cinema	.0028/seat
Cleaners/Commercial Laundry	.64/1000 sq. ft.
Coffee Shop	1.34 AF
Convalescent Hospital	.11/bed
Delicatessen	.168/1000 sq. ft.
Drinking Fountain	.02 AF
Gas/Mini Market	.49/1000 sq. ft.
Grocery/Market	.211/1000 sq. ft.
Health Club/Gym	.41/1000 sq. ft.
Houseboat	.17/houseboat
Industrial Assembly & Manufacturing	.085/1000 sq. ft.
Industrial R & D	.15/1000 sq. ft.
Launderette/Self-service	.1275/machine
Lodge/Motel	.13/room
Lodge/Restaurant	.15/room
Lodge/Restaurant/Bar/Laundry	.168/room
Lodge/Laundry	.135/room
Medical Office	.21/1000 sq. ft.
Medical/Dental	.365/1000 sq. ft.
Meeting Hall	.02/1000 sq. ft.
Nursing Home	.1323/room
Office	.10/1000 sq. ft.
One-person Residence	70 gals/day
Open Space (non-turf)	3/acre
Open Space (turf)	4/acre
Public Restroom	.1012/toilet
Restaurant	.029/seat
Restaurant (24-hour)	.040/seat
Restaurant (fast food)	1.26/1000 sq. ft.
Retail-Large	.068/1000 sq. ft.
Retail-Small	.11/1000 sq. ft.
Self Storage	.021/1000 sq. ft.
Service Station	.29/1000 sq. ft.
Theater	.00098/seat
Toilets/Urinal	0.02 AF
Warehouse	.021/1000 sq. ft.
Cows/Horses	12 gal/day
Dairy Cows	50 gal/day
Goats/Sheep	2 gal/day
Hogs	4 gal/day
Llamas	2 gal/day

MARIN MUNICIPAL WATER DISTRICT
ORDINANCE NO. 440

AN ORDINANCE AMENDING SECTION 11.56.040 OF MARIN MUNICIPAL WATER
DISTRICT'S CODE PERTAINING TO CONNECTION FEES AND CONNECTION FEES FOR
ACCESSORY DWELLING UNIT HOUSING STRUCTURES

BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL
WATER DISTRICT AS FOLLOWS:

SECTION 1. Title 11 be amended and read as follows:

11.56.040 Connection fees. (a) In addition to any charges or fees provided for in this chapter, or otherwise required under this code, a connection fee is established for the privilege of using the district's potable and recycled water systems.

(b) Except as provided in subsections (c), (d), (e), (f), (h) and (i) of this section, the connection fees shall be applied to each acre-foot of annual water entitlement required to be purchased by the applicant, less any credits for provision of storage facilities pursuant to Section 11.40.020(2). The Board of Directors shall, in a Board resolution, set forth the amount of the water connection fee. The method of determining the annual water entitlement for non-residential use is set forth in Section 11.08.180. Water entitlements for single-family residential and multi-unit residential structures shall be determined on an area average basis which is derived from average single-family dwelling consumption within the same service area (system).

(c) In case of the enlargement of any existing service connection or change in character or increase of water use of any existing service, the connection fee shall be levied only upon that portion of the revised annual water entitlement which exceeds the current water entitlement.

(d) The connection fee for a structure which, after December 31 1980, has received water through the meter for another structure in violation of Section 11.04.070 shall be increased by an amount equal to one-half of the meter and fireflow requirement charges which would have been charged to the structure to which the connection fees apply if it had been served through its own meter during the entire period of time after December 31, 1980, that it received in violation of Section 11.04.070.

(e) No connection fees shall be charged for private fire taps.

(f) The connection fees established for the privilege of using the district's recycled water system shall be for reimbursement of development of the recycled water supply and installation of the recycled water distribution system.

(g) The budgeted annual water consumption is defined as the annual allocation of water per water service based on the actual needs of the service, not exceeding the water entitlement, and the use of water without waste.

(h) No connection fees shall be charged for a junior accessory dwelling unit (JADU) that meets all of the requirements of this subsection (h). A JADU is a second living unit created within the existing building footprint of a single-family residential unit that creates no additional living space and shall include the conversion of an existing bedroom. Only one JADU shall be allowed per single-family dwelling unit. A JADU shall have no larger than a sixteen-inch square bar sink, no gas or two hundred twenty volt electrical service and no more than six feet of counter space for

a kitchen. A JADU shall have a separate exterior entry, a maximum of five hundred square feet of living space and a private or shared bath (with interior access only). Every property with a JADU shall have a restrictive covenant recorded against that property with the county of Marin requiring owner occupancy of the home, and be legally permitted for use as a JADU with the local jurisdiction overseeing zoning.

(i) Accessory Dwelling Units (ADUs) that are within the existing footprint of an existing single family residence (SFR) or within the existing living area of an existing detached accessory structure that existed on and after January 1, 2017, such as: a guest house, workshop, garage, storage unit or second unit that has not previously installed a separate water meter or paid connection fees; and, the total area of floor space for an attached ADU shall be not greater than 50% of the SFR unit or be greater than 1200 sqft; and the total floor space for a detached ADU shall not exceed 1200 sqft; and the existing SFR and existing detached unit are on the same lot; then, the applicant shall not be required to install a new or separate water service between the ADU and the water utility and shall not be required to pay connection fees for this ADU.

SECTION 2. The severability provisions of section 1.10.110 of the Marin Municipal Water District code are applicable to this Ordinance.

SECTION 3. This ordinance shall take effect after it is adopted by the Board of Directors.

PASSED AND ADOPTED this 25th day of September, 2018, by the following vote of the Board:

AYES:

NOES:

ABSENT:

President, Board of Directors

ATTEST:

Secretary

MARIN MUNICIPAL WATER DISTRICT

RESOLUTION NO. 8512

RESOLUTION OF THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT UPDATING THE WATER CONNECTION FEE

WHEREAS, pursuant to California Government Code section 66013, the Marin Municipal Water District (the “District”) is authorized to impose capacity charges for public facilities in existence at the time the charge is imposed or for new facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged, including supply or capacity contracts for rights or entitlements, real property interests, and entitlements and other rights of the District; and

WHEREAS, the District Board last updated the District’s water capacity charge (“connection fee”) by Resolution No. 7641, adopted May 3, 2006; and

WHEREAS, the District’s connection fee is imposed on any property or any person requesting a new, additional, or larger connection to the District’s potable water system (for the purposes of this Resolution, each is referred to herein as “new development” or a “new water service connection”); and

WHEREAS, following a review of the District’s water system, capital improvement plan, and the nature and type of proposed new development within the District (which is predominantly infill and increased densification), it was determined the District’s water connection fee should be based on the system buy-in methodology; and

WHEREAS, an analysis of the connection fee needed to serve new development was prepared by The Reed Group dated August 2, 2018, entitled “Water Connection Fee Study” (“Report”), a copy of which is on file in the Office of the District Secretary, and is hereby incorporated by reference; and

WHEREAS, the Report establishes that the amount of the connection fee is no more than necessary to cover the reasonable costs of the District services provided, and that the manner in which those costs are allocated to a connection fee payor bear a fair or reasonable relationship to the payor’s burdens on, or benefits received from, the District’s services; and

WHEREAS, the connection fee is not a “tax” as defined in Section 1, paragraph (e) of Article XIII C of the California Constitution (commonly referred to as “Proposition 26”) because such fee is imposed for a specific service provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable cost to the District of providing the service; and/or the fee is imposed for a specific government

service provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable cost to the District of providing the service; and

WHEREAS, the water connection fee adopted by this Resolution is not subject to the requirements of Article XIID of the California Constitution (commonly referred to as “Proposition 218”) concerning property-related assessments and fees pursuant to *Richmond v. Shasta Community Services District*, 32 Cal. 4th 409 (2004); and

WHEREAS, in accordance with Government Code Section 50076, fees and charges that do not exceed the reasonable cost of providing the service or regulatory activity for which the fees are charged and which are not levied for general revenue purposes are not special taxes as defined in Article 3.5 of the Government Code; and

WHEREAS, in accordance with Government Code Section 66016, at least fourteen (14) days prior to the public meeting at which this Resolution was adopted, notice of the time and place of the meeting was mailed to eligible interested parties who filed timely written requests with the District for mailed notice of meetings on new or increased capacity charges; and

WHEREAS, in accordance with Government Code Section 66016, the Report was available for public inspection, review, and comment for ten (10) days prior to the public meeting at which the District considered the adoption of the water connection fee; and

WHEREAS, on September 25, 2018, the District Board introduced Ordinance No. 440 which amends Section 11.56.040 of the District Code.

FINDINGS

WHEREAS, the District Board finds as follows:

- A. After considering the Report, the testimony received at the noticed public meeting at which this Resolution was adopted, the accompanying staff report and other materials and data relied upon for the preparation of the Report, and all correspondence received at or prior to the public meeting (the “Record”), the Board approves and adopts the Report.
- B. The District currently provides water facilities and supplies water to the community and the water connection fee set forth in this Resolution shall be used to maintain current service levels. As such, the water connection fee as it relates to development within the District is not a “project” within the meaning of CEQA (Public Resources Code Section 21080(b)(8)(D)).

- C. In adopting the water connection fee, the District Board is exercising its powers under Government Code Section 66013 and 66016.
- D. The non-imposition of connection fees on qualifying ADUs and removal of the requirement for the applicant to install a new or separate water service between the qualifying ADU and the water utility was developed and adopted in compliance with the requirements of Government Code 65852.2.

In accordance with Section 66013, subdivision a, of the Government Code, the water connection fee imposed by this Resolution does not exceed the estimated reasonable cost of providing the services for which the water connection fee is imposed, in that the water connection fee is calculated based on the relationship of the value of the District's existing water facilities and allocates to new water system customers their fair share of the cost of the existing water facilities to serve the new customers.

ADOPTION OF FEE

NOW, THEREFORE, BE IT RESOLVED:

1. Water Connection Fee Imposed.

- a. Residential Properties. For single family residential properties, a new water service connection shall be charged a water connection fee of \$34,180 per acre-foot of estimated annual water demand, by service area, as set forth in Exhibit C1 below (from the Report). For multi-family residential properties (residential properties with three dwelling units or more), a new water service connection shall be charged a connection fee based on 0.14 acre-foot per dwelling unit of estimated annual water demand, by service area, as set forth in Exhibit C1 below (from the Report).
- b. Non-Residential Properties. For non-residential properties, including businesses, industry, institutional, and irrigation connections, a new water service connection shall be charged a water connection fee of \$34,180 per acre-foot of estimated annual water demand. Annual water demand shall be estimated using either the water use factors in Exhibit D1 below (from the Report), information provided by the water service

applicant, or as determined by the Environmental and Engineering Services Division Manager or his/her designee.

- c. On July 1 of each year, commencing on July 1, 2019, the water connection fee described herein shall be adjusted to account for increases or decreases in the index set forth below. The water connection fee shall be adjusted as follows:

- i. Annual Economic Adjustment to Water Connection Fee. The water connection fee shall be adjusted in accordance with the following formula:

$$\text{NCF} = \text{OCF} + ((\text{OCF}) \times (\text{ENR Annual Change}))$$

Wherein,

“NCF” is the new or adjusted water connection fee for the upcoming fiscal year;

“OCF” is the water connection fee in effect during the current fiscal year; and

“ENR Annual Change” is the percentage change in the Engineering News Record Construction Cost Index for the San Francisco area from December for the second prior calendar year to December for the prior calendar year

- 2. The connection fees collected shall continue to be used solely to fund public facilities in existence at the time connection fees are imposed or for new public facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged a connection fee, including supply or capacity contracts for rights or entitlements, real property interests, and entitlements and other rights of the District involving capital expense relating to its use of existing or new public facilities.
- 3. This Resolution shall take effect immediately upon its adoption. The connection fee imposed pursuant to Section 1 shall become effective on the effective date of Ordinance No. 440.
- 4. If any section, subsection, clause or phrase in this Resolution or the application thereof to any person or circumstances is for any reason held invalid, the validity of the remainder of this Resolution or the application of such provisions to other persons or circumstances shall

not be affected thereby. The Board hereby declares that it would have passed this Resolution and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that one or more sections, subsections, sentences, clauses or phrases or the application thereof to any person or circumstance be held invalid.

PASSED AND ADOPTED this 25th day of September, 2018 by the following vote of the Board.

AYES:

NOES:

ABSENT:

President, Board of Directors

ATTEST:

Secretary

**APPENDIX C - SINGLE FAMILY WATER DEMAND FACTORS
BY SERVICE AREA**

Exhibit C-1 summarizes the average annual single family water use factors for each of the District's designated service areas. The averages are calculated based on annual water usage within each service area for the two-year period of 2016 and 2017, as determined by District staff.

Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
<u>AREA 1 - SAN GERONIMO</u>			
1	RAILROAD AV	0.20	\$6,836
2	S.G. VALLEY DR	0.24	\$8,203
3	MEADOW WY	0.26	\$8,887
4	S.G. 6 TANK	0.15	\$5,127
5	DRAKE & TAMAL	0.24	\$8,203
6	L-7 TANK	0.21	\$7,178
7	L-6 TANK	0.25	\$8,545
8	L-5 TANK	0.17	\$5,811
9	LAGUNITAS DR	0.16	\$5,469
12	SMITH SADDLE TANK	See Area 3	
13	LAGUNITAS 2	n/a	n/a
14	BOTTINI RD REGULATOR	0.09	\$3,076
51	SYLVAN WY PUMP	0.19	\$6,494
52	FIR WY PUMP	0.18	\$6,152
54	W-1 PRESSURE PUMP	0.25	\$8,545
55	TAMARACK RD REGULATOR	0.26	\$8,887
56	SG-4 TANK	0.16	\$5,469
57	SG-5 REGULATOR	0.18	\$6,152
58	SG-5 TANK	n/a	n/a
59	BUCKEYE PUMP	0.17	\$5,811
60	MADRONE PUMP	0.18	\$6,152
61	W-5 TANK	0.15	\$5,127
<u>AREA 2 - FAIRFAX</u>			
1	FAIRFAX GATEHOUSE	0.21	\$7,178
2	OAK MANOR DR	0.22	\$7,520
3	FAIRFAX MANOR	0.17	\$5,811
4	OLEMA RD	0.20	\$6,836
5	SUMMER & FORREST AV	n/a	n/a
7	CASCADES	0.19	\$6,494
8	DEER PARK	0.21	\$7,178
9	HAWTHORNE HILLS	See Area 3	
10	FAWN RIDGE RD	See Area 3	
12	SMITH SADDLE TANK	See Area 3	
13	CENTER BL	See Area 3	
14	HILLSIDE AV	0.21	\$7,178
51	BAY RD TANK	0.15	\$5,127
52	FAIRFAX MANOR	0.20	\$6,836
53	CASCADES TOP TANK	0.23	\$7,861
54	SCOTT TANK	0.20	\$6,836
55	OAK MANOR 1ST TANK	0.20	\$6,836
56	OAK MANOR TOP TANK	0.27	\$9,229
<u>AREA 3 - SAN ANSELMO</u>			
1	SAN FRANCISCO BL	0.21	\$7,178
2	ARROYO AV	0.21	\$7,178
3	FAIRFAX MANOR	See Area 2	

Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
4	BOLINAS AV	0.23	\$7,861
5	GREENFIELD AV	0.21	\$7,178
6	BALTUS CT	0.38	\$12,989
7	DEER HOLLOW RD	0.29	\$9,912
8	VAN WINKLE DR	0.43	\$14,698
9	HAWTHORNE HILLS	0.19	\$6,494
10	FAWN RIDGE	0.16	\$5,469
12	SMITH SADDLE TANKS	n/a	n/a
13	CENTER BL	0.17	\$5,811
14	HILLSIDE AV	See Area 2	
51	SEQUOIA TANK	0.21	\$7,178
52	OAK AVENUE TANK	0.36	\$12,305
53	MANN TANK	0.17	\$5,811
54	FAWN DRIVE TANK	0.28	\$9,570
55	DE BURGH DR REGULATOR	0.26	\$8,887
56	OAK MANOR TOP	See Area 2	
57	OAK SPRINGS	0.25	\$8,545
58	TIMOTHY AV REG	0.20	\$6,836
60	REDWOOD RD REG	0.21	\$7,178
61	WOODSIDE DR REG	0.19	\$6,494
62	SUMMIT AV TANK	0.53	\$18,116
63	TOMAHAWK TANK	0.30	\$10,254
<u>AREA 4 - ROSS AND KENTFIELD</u>			
1	MAGNOLIA AV	See Area 5	
2	LAGUNITAS RD	0.50	\$17,090
3	GRANTON PARK	0.35	\$11,963
4	BOLINAS AV	See Area 3	
5	LAUREL GROVE AV	0.40	\$13,672
6	KENT WOODLANDS GRAV	0.60	\$20,508
7	KENT WOODLANDS 1ST	0.45	\$15,381
8	EVERGREEN TANK	0.44	\$15,039
9	CROWN RD TANK	0.39	\$13,330
10	S RIDGEWOOD TANK	0.46	\$15,723
11	WINSHIP PARK	0.41	\$14,014
12	None	0.59	\$20,166
51	WINSHIP TANK	0.35	\$11,963
52	OAK AV TANK	See Area 3	
53	WINSHIP- MESA VISTA	0.62	\$21,192
54	MESA VISTA-DEL MESA	0.72	\$24,610
55	DEL MESA TANK	0.60	\$20,508
56	GOODHILL-INDIAN FIRE TL TKS	0.54	\$18,457
57	KENT FIRE TRAIL TANK	0.53	\$18,116
58	KENT FIRE TL UPPER TNK	0.52	\$17,774
59	UPPER RD TANK	2.03	\$69,386
60	Hillside Av	0.50	\$17,090
<u>AREA 5 - CORTE MADERA AND LARKSPUR</u>			
1	MAGNOLIA AV	0.25	\$8,545

Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
2	LAGUNITAS RD	See Area 4	
3	MURRAY PARK	0.28	\$9,570
4	DOHERTY DR	0.26	\$8,887
5	MILLARD RD	0.21	\$7,178
6	CRESCENT RD	0.19	\$6,494
7	MEADOWSWEET DR	0.20	\$6,836
8	HILLVIEW GARDENS	See Area 10	
9	CORTE MADERA 1ST TANK	0.20	\$6,836
10	MADERA GARDENS	0.23	\$7,861
11	CM SHOPPING CENTER	n/a	n/a
12	MADRONE WOODLANDS	0.24	\$8,203
13	CHAPMAN BOOSTER PUMP	See Area 6	
14	SCOTT HIGHLANDS	See Area 6	
15	BELLE RIVE PLACE	0.27	\$9,229
16	MADERA PARK TANK	0.25	\$8,545
51	CORTE MADERA 2ND TANK	0.18	\$6,152
52	CORTE MADERA TOP TANK	0.18	\$6,152
63	MADERA PK PRESSURE SYSTM	0.23	\$7,861
<u>AREA 6 - MILL VALLEY</u>			
2	MILL VALLEY FIRE DEPT	0.23	\$7,861
3	CASCADE RESERVOIR	0.28	\$9,570
4	BOLSA TANK	0.27	\$9,229
5	SYCAMORE TANK	0.21	\$7,178
6	CAMINO ALTO	n/a	n/a
7	ALMONTE BL	See Area 7	
8	SABELLAS RESTAURANT	0.11	\$2,365
9	LOMITA DR	0.22	\$7,520
10	SML LOWER TANK	0.25	\$8,545
11	SML UPPER TANK	0.25	\$8,545
12	LAVERNE AV	0.24	\$8,203
13	CHAPMAN BOOSTER	0.32	\$10,938
14	SCOTT HIGHLANDS*	0.35	\$11,963
15	ALTA VISTA AV	1.12	\$38,282
20	STRAWBERRY DR	See area 9	
21	SHELTER RIDGE	0.11	\$3,760
22	SHELTER RIDGE SOUTH	See Area 21	
23	ELINOR AV TANK	0.28	\$9,570
51	SUMMIT TOP TANKS	0.29	\$9,912
52	SLIDE GULCH TANKS	0.38	\$12,989
53	MINE RIDGE TANKS	0.20	\$6,836
54	KINGS WAY REGULATOR	0.15	\$5,127
55	CAMP TAM 3" REGULATOR	0.17	\$5,811
56	CAMP TAM 1" REG	0.13	\$4,443
57	FERN CANYON	0.23	\$7,861
58	MARIN TERRACE TANKS	0.21	\$7,178
59	EDGEWOOD TANK	0.24	\$8,203
60	THROCKMORTON BOOSTER	0.21	\$7,178
61	LAPACHET TANK	0.24	\$8,203

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
62	FAIRVIEW PARK	0.19	\$6,494
63	SHELTER RIDGE PRESS SYS	See Area 21	
<u>AREA 7 - TAMALPAIS VALLEY</u>			
1	MARIN AV - SHORELINE HY	0.21	\$7,178
3	MARIN CITY GRAV	See Area 8	
5	SYCAMORE AV	See Area 6	
6	CAMINO ALTO	See Area 6	
7	ALMONTE BL	0.20	\$6,836
9	COUNTYVIEW DR	0.18	\$6,152
51	TAM WOODS 1ST TANK	0.19	\$6,494
52	TAM WOODS TOP TANK	0.20	\$6,836
58	MARIN TERRACE TANKS	See Area 6	
59	COUNTYVIEW TANK	0.16	\$5,469
60	MARINVIEW 3-A	0.17	\$8,881
61	LAGUNA/	0.23	\$7,861
<u>AREA 8 - SAUSALITO</u>			
1	SAUSALITO 1ST LIFT TANK	0.14	\$4,785
2	MARINSHIP	0.13	\$4,443
3	MARIN CITY	0.15	\$5,127
7	ALMONTE BL	See Area 7	
8	MARINA VISTA GRAVITY	0.30	\$10,254
51	MONTE MAR VISTA TANK	0.21	\$7,178
52	ROMER TANK	0.21	\$7,178
53	SPENCER AV REGULATOR	0.34	\$11,621
54	CLOUD VIEW TANK	0.26	\$8,887
55	BEACON HILL TANK	0.22	\$7,520
56	BOULEVARD TANK	0.19	\$6,494
57	MARIN CITY TANK	0.15	\$5,127
58	CHANNING WY	n/a	n/a
59	MARINA VISTA HIGH LEVEL	0.18	\$6,152
60	COOPER LANE REGULATOR	0.42	\$14,356
61	WOLFBACK RIDGE TANKS	0.20	\$6,836
<u>AREA 9 - E CORTE MADERA, TIBURON, BELVEDERE, AND STRAWBERRY</u>			
1	NAVAL NET DEPOT	0.40	\$13,672
2	REED RANCH RD	0.40	\$13,672
3	TRESTLE GLEN BL	0.28	\$9,570
5	NORTH KNOLL DR	0.26	\$8,887
6	BEL AIR	0.29	\$9,912
7	MEADOWSWEET DR	See Area 5	
8	COMSTOCK DR	0.33	\$11,279
9	WASHINGTON CT	0.28	\$9,570
11	HARBOR DR	0.21	\$7,178
12	GOLDEN HIND PASSAGE	0.23	\$7,861
13	GRANADA DR	0.22	\$7,520
14	WINWARD DR	0.27	\$9,229
15	WESTWARD DR	0.27	\$9,229

Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
16	JAMAICA DR	0.34	\$11,621
17	PENINSULA DR	0.30	\$10,254
18	HILARITA HOUSING	0.17	\$5,811
19	MAR WEST ST	0.19	\$6,494
20	STRAWBERRY DR	0.28	\$9,570
21	HILARITA HOUSING	n/a	n/a
51	TIBURON TOP TANK	0.50	\$17,090
52	COVE RD	0.48	\$16,407
53	HILL HAVEN TANK	0.44	\$15,039
54	MARINERO CIRCLE REG	0.16	\$5,469
55	BELLA VISTA REG	0.27	\$9,229
56	ROUND HILL RD	0.62	\$21,192
57	WILKINS COURT REG	0.40	\$13,672
58	SUGAR LOAF TANK	0.51	\$17,432
59	SAN RAFAEL AV	0.54	\$18,457
60	MARINER HIGHLANDS TANK	0.27	\$9,229
61	RICHARDSON DR PRESS SYS	0.30	\$10,254
62	LOS ALTOS PUMP	0.66	\$22,559
63	RING MOUNTAIN	0.57	\$19,483
AREA 10 - GREENBRAE			
1	LUCKY DR	0.23	\$7,861
2	HUTCHINSON QUARRY	0.09	\$3,076
3	SAN QUENTIN	0.16	\$5,469
4	ELISEO DR	0.29	\$9,912
5	LAUREL GROVE AV	See Area 4	
6	BON AIR APARTMENTS	0.18	\$6,152
8	HILLVIEW GARDENS	0.31	\$10,596
10	MADERA GARDENS	See Area 5	
14	E FRANCISCO BL	See Area 11	
15	GREENBRAE BOARDWALK	0.11	\$3,760
52	VIA LA PAZ	0.29	\$9,912
53	TIOGA LN REGULATOR	0.09	\$3,076
54	VISTA GRANDE REGULATOR	0.29	\$9,912
55	DEL MESA TANKS	See Area 4	
56	BRET HARTE TANK	See Area 11	
70	COURTWRIGHT TANK	See Area 11	
76	BRET HARTE TANK REG	0.36	\$12,305
AREA 11 - SAN RAFAEL			
1	SUN VALLEY	0.23	\$7,861
2	MOORE HILL	0.17	\$5,811
3	E SAN RAFAEL ASSESS DIST	0.17	\$5,811
4	DUBOIS ST	0.19	\$6,494
5	GREENFIELD AV	See Area 3	
6	GRAND AV	0.26	\$8,887
7	SAN RAFAEL HIGH SCHOOL	0.24	\$8,203
8	PICNIC VALLEY	0.18	\$6,152
9	MCNEAR TANK	See Area 12	

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
10	GLENWOOD TANK	See Area 12	
11	LOS RANCHITOS TANK	See Area 13	
12	LOCH LOMOND	0.37	\$12,647
13	CENTER BL	See Area 3	
14	E FRANCISCO BL	n/a	n/a
15	MAIN-MANZANITA DR	0.33	\$11,279
16	HACIENDA REGULATOR	0.17	\$5,811
51	SEQUOIA TANK	See Area 3	
52	FAIRHILLS 1ST LIFT	0.34	\$11,621
53	WINSHIP-MESA VISTA	0.23	\$7,861
54	FAIRHILLS TOP	0.34	\$11,621
55	RAFAEL HIGHLANDS	0.24	\$8,203
56	BRET HARTE TANK	0.30	\$10,254
57	FAIRHILLS DR REGULATOR	0.39	\$13,330
58	STEWART TANK	0.59	\$20,166
59	CHULA VISTA	0.20	\$6,836
60	OAK WOODLANDS TANK	0.26	\$8,887
61	DOMINICAN HEIGHTS TANK	0.25	\$8,545
62	HIND TANK	0.50	\$17,090
63	BRODEA WY REGULATOR	0.19	\$6,494
64	MARGARITA DR REGULATOR	0.61	\$20,850
65	HIND PUMP REGULATOR	0.29	\$9,912
66	SEAVIEW AV REGULATOR	0.51	\$17,432
67	LOS ROBLES DR REGULATOR	0.21	\$7,178
68	ESTATES CT REGULATOR	0.20	\$6,836
70	COURTWRIGHT TANK	0.21	\$7,178
71	ROSE ST REGULATOR	0.20	\$6,836
72	ALTENA ST REGULATOR	0.26	\$8,887
73	BAYSIDE ACRES TANK	0.42	\$14,356
75	HIGHLAND VISTA PUMP	0.24	\$8,203
76	BRET HARTE TANK REGULATOR	See Area 10	
77	NONE	n/a	n/a
<u>AREA 12 - GLENWOOD AND MCNEAR'S POINT</u>			
9	MCNEAR TANK	0.32	\$10,938
10	GLENWOOD TANK	0.25	\$8,545
15	MAIN & MANZANITA	See Area 11	
51	SAN MARINO DR	0.30	\$10,254
52	LOCKWOOD DR TANK	0.25	\$8,545
53	MCNEAR DR PUMP	0.27	\$9,229
54	KNIGHT DR PUMP	0.32	\$10,938
<u>AREA 13 - SANTA VENETIA, LOS RANCHITOS, HAMILTON AIR FORCE BASE</u>			
1	NORTHGATE SHOPPING CTR	See Area 14	
2	FREITAS PY REGULATOR	See Area 14	
3	TERRA LINDA - AIR BASE LINE	0.18	\$6,152
4	ST VINCENT'S SCHOOL	0.13	\$4,443
5	NORTHGATE INDUSTRIAL PARK	n/a	n/a
6	AIR BASE TANK	n/a	n/a

**Exhibit C-1
Marin Municipal Water District
Water Usage Factors for Single Family**

Service Area No.	Service Area Name	Average Annual Water Usage (AF) (1)	SF Dwelling Connection Fee (\$/SFD) (2)
8	SAN RAFAEL MEADOWS	0.20	\$6,836
9	CIVIC CENTER	0.19	\$6,494
10	SANTA VENETIA TANK	0.20	\$6,836
11	LOS RANCHITOS	0.42	\$14,356
12	MEADOW-MABRY REGULATORS	0.21	\$7,178
13	SMITH RANCH RD	0.09	\$3,076
14	NONE	n/a	n/a
15	CONTEMPO MARIN	0.15	\$5,127
16	MCINNIS PARK	n/a	n/a
AREA 14 - TERRA LINDA			
1	NORTHGATE SHOPPING CTR	0.23	\$7,861
2	FREITAS PY REGULATOR	n/a	n/a
3	TERRA LINDA-AIR BASE	See Area 13	
4	DEL GANADO RD	0.22	\$7,520
5	TL MEADOW APTS	0.19	\$6,494
6	TRELLIS DR	0.22	\$7,520
7	DEER HOLLOW RD	See Area 3	
8	TERRA LINDA TANK	0.21	\$7,178
9	LOS GAMOS DR	See Area 8	
10	PARK RIDGE RD	See Area 15	
11	LOS RANCHITOS	See Area 13	
12	SMITH SADDLE TANK	See Area 3	
13	QUAIL HILL	0.14	\$4,785
51	ELDA DR PUMP	0.29	\$9,912
54	FAWN DR TANK	See Area 3	
AREA 15 - MARINWOOD			
1	MT TENAYA DR	0.29	\$9,912
2	FREITAS PY REGULATOR	See Area 14	
3	QUIETWOOD DR	0.25	\$8,545
4	ST VINCENT'S SCHOOL	See Area 13	
5	TWELVEOAK HILL DR	0.25	\$8,545
7	MARIN COUNTY FARM	0.23	\$7,861
10	PARK RIDGE RD	0.26	\$8,887
14	NONE	n/a	n/a
15	MILLER CREEK TOWNHOUSES	0.12	\$4,102
16	MILLER CREEK TANK	0.27	\$9,229
17	LUCAS VALLEY ESTATES	0.37	\$12,647
52	SKYVIEW TERRACE	0.30	\$10,254
53	SWIG TANK	0.80	\$27,344

Notes:

- (1) Based on the average annual water usage within each service area from 2016 and 2017, as compiled by District staff. n/a = Not Available.
- (2) Single family connection fee for each dwelling unit, based on the 2018 base connection fee of \$34,180 per acre-foot.

**APPENDIX D – WATER USE FACTORS FOR ESTIMATING
NON-RESIDENTIAL WATER DEMAND**

Exhibit D-1 summarizes the water use factors currently used by District staff to estimate annual water demands for various types of non-residential development. These use factors may be revised from time to time, at the District's discretion, based on new data.

**ESTIMATED
AVERAGES
CONSUMPTION
CHART**

<i>Type of establishment/unit</i>	<i>Acre-feet/year unless otherwise indicated</i>
Auto Dealership	1.12 AF
Auto Repair	.11/1000 sq. ft.
Bar	.0202/seat
Beauty Shop	.089/station
Church	.064/1000 sq. ft.
Church w/School	.121/1000 sq. ft.
Cinema	.0028/seat
Cleaners/Commercial Laundry	.64/1000 sq. ft.
Coffee Shop	1.34 AF
Convalescent Hospital	.11/bed
Delicatessen	.168/1000 sq. ft.
Drinking Fountain	.02 AF
Gas/Mini Market	.49/1000 sq. ft.
Grocery/Market	.211/1000 sq. ft.
Health Club/Gym	.41/1000 sq. ft.
Houseboat	.17/houseboat
Industrial Assembly & Manufacturing	.085/1000 sq. ft.
Industrial R & D	.15/1000 sq. ft.
Launderette/Self-service	.1275/machine
Lodge/Motel	.13/room
Lodge/Restaurant	.15/room
Lodge/Restaurant/Bar/Laundry	.168/room
Lodge/Laundry	.135/room
Medical Office	.21/1000 sq. ft.
Medical/Dental	.365/1000 sq. ft.
Meeting Hall	.02/1000 sq. ft.
Nursing Home	.1323/room
Office	.10/1000 sq. ft.
One-person Residence	70 gals/day
Open Space (non-turf)	3/acre
Open Space (turf)	4/acre
Public Restroom	.1012/toilet
Restaurant	.029/seat
Restaurant (24-hour)	.040/seat
Restaurant (fast food)	1.26/1000 sq. ft.
Retail-Large	.068/1000 sq. ft.
Retail-Small	.11/1000 sq. ft.
Self Storage	.021/1000 sq. ft.
Service Station	.29/1000 sq. ft.
Theater	.00098/seat
Toilets/Urinal	0.02 AF
Warehouse	.021/1000 sq. ft.
Cows/Horses	12 gal/day
Dairy Cows	50 gal/day
Goats/Sheep	2 gal/day
Hogs	4 gal/day
Llamas	2 gal/day



STAFF REPORT

- SUBJECT:** Amendment No. 3 to MMWD Contract Number MA - 5378 to continue Resilient Forest cooperative research project
- SUBMITTED BY:** Shaun Horne, Natural Resources Program Manager
Mike Swezy, Watershed Resources Manager
Crystal Yezman, Division Manager
Facilities and Watershed Management Division
- RECOMMENDED ACTION:** Approve Amendment No. 3 authorizing an increase of \$62,507 in funding for MMWD Contract Number MA - 5378 (U.S. Forest Service Agreement FS-15-CO-11272139-015).

EXECUTIVE SUMMARY:

This item was reviewed by the District Operations Committee on September 21, 2018, and is referred to the Board with a recommendation for action as shown above.

The Resilient Forest research project, a joint undertaking of the Marin Municipal Water District, U.S. Forest Service, CalPoly State University, and the University of California, Davis is in its third year. As part of this research project, MMWD has invested approximately \$431,680 dollars to pilot 45 acres of forestry work, not including research investments, in an attempt to study how to reduce fire risk, reestablish desired tree species, quantify carbon sequestration and water yield, and improve habitat.

The study has included brushing and on-site mastication of the understory, and pile burning of diseased tanoak sprouts, woody debris and other shrubs. MMWD has successfully achieved a significant reduction in wildfire risk and shown increased carbon input to the soil profile. The initial treatments were carried out in 2015/2016 and the costs averaged approximately \$12,360 per acre for treatments, with two applications of follow up brushing averaging \$380 per acre per application. Treatments carried out in 2018 have had an average cost of approximately \$7,500 per acre, follow up brushing will be carried out in 6-8 months and will likely have an average cost of \$380 per acre.

In Amendment No. 3, additional funds are being provided to monitor vegetation, hydrologic and carbon dynamics at Bolinas Ridge Summit sites this fall (2018) and winter. As well as ongoing maintenance and data downloading in 2019 of existing sites at Bolinas Ridge, Laurel Dell and Peters Dam. These funds will also support seed collection work, which is necessary for implementation of the planting plan that was developed as part of the second contract amendment.

Staff therefore requests approval for a contract amendment authorizing the U.S. Forest Service to continue existing data collection in an amount not to exceed \$62,507.

FISCAL IMPACT: YES X NO

FISCAL YEAR: 2018

EXPENDITURES

Budgeted Amount	\$62,507
Budget Augmentation Requested	\$
	\$
	\$
TOTAL EXPENDITURES	\$62,507

FUNDING SOURCES

Operating Fund	\$62,507
Capital Fund	\$
Other	\$
Operating Reserves	\$
TOTAL SOURCES	\$62,507

FISCAL IMPACT NARRATIVE:

The original contract amount was \$62,442. The first contract amendment of \$24,672 was approved in September 2016. The second contract amendment of \$25,000 was approved in March, 2018. This contract amendment is for \$62,507 and would bring the total contract cost to \$174,821. This contract amendment would enable staff to complete year 5 of the 5 year contract. There are sufficient funds in this year’s budget for this third contract amendment.

BACKGROUND:

The Resilient Forest Pilot Study, a joint undertaking between MMWD, USDA Forest Service, Cal Poly and UC Davis, was initiated in 2015 with the goal of identifying a meaningful way of improving forest conditions in the face of Sudden Oak Death. Specifically, the project is designed to measure how various brush management approaches could (1) reduce wildfire risk; (2) allow for the reestablishment of desired tree species in disease-caused gaps; (3) improve greenhouse gas storage both above ground and in the soil; (4) improve soil moisture retention and recharge; and (5) maintain or improve habitat quality for the many native species that live on Mt Tamalpais.

PHASE ONE:

In the summer/fall of 2015, 25 treatment plots were installed at Peters Dam, Bolinas Ridge and Laurel Dell. Treatment consisted of the machine or manual cutting of diseased tanoak sprouts, down woody debris and other shrubs in the understory of both redwood and mixed Douglas-fir forest stands. Where machine access was possible, the cut material was masticated (mulched) and redistributed on site. Elsewhere, the cut material was piled and later burned. Data was collected in the treatment plots as well as untreated control plots and included (1) number and size of all woody stems; (2) green-house gas emissions above and below ground (3) carbon storage above and below ground (4) daily precipitation; (5) daily fluctuations in soil moisture at varying depths below ground; and (6) implementation costs for initial treatment and follow-up maintenance of brushed sites.

PRELIMINARY RESULTS:

- **Costs:** Initial treatment costs, excluding data collection, averaged \$12,300 per acre but was highly variable across sites. Steep slopes, rocky soils, and very high fuel loads are cost increasers. Follow up brushing costs averaged \$380 per acre.
- **Wildfire Risk Reduction:** Treated plots experienced 95% reduction in the number of diseased tanoak stems in the understory and a greater than 60% reduction in the amount of fine fuels on site which dramatically reduces fire intensity and the risk of fire spreading into the forest canopy.
- **Carbon Storage:** Despite the large number of tanoak stems removed, the overall basal area of trees on site (a proxy measure for standing stored carbon) remained virtually unchanged. This is a result of intentionally retaining all live, healthy canopy level trees. This suggests losses to stored, standing carbon have been negligible in the short term.
- **Short Term Green House Gas Emissions Resulting from Treatment:** Approximately 20-40% of carbon emitted from decaying or burned slash returned to the atmosphere during the first 3 year of the study. Emissions from equipment operation have not yet been calculated. The balance was sequestered in the soil. There was also a measurable improvement in methane sequestration which partially off-sets these carbon emissions.
- **Re-establishment of Brush:** Tanoak sprouts as well as huckleberry emerged within several weeks of initial treatment. This necessitates repeat brushing in order to prevent the re-establishment of dangerous fuel conditions. Preliminary data suggests retreatment may be needed indefinitely.
- **Natural recruitment of redwood and Douglas fir seedling:** Native conifer seedlings are not establishing in treatment plots. This was an unexpected result which has significant implications for the long-term carbon benefits of this work. The Cal Fire Green House Gas Fund goals set for this pilot estimates that 40 new trees must be established within 5 years of initial treatment in order to achieve an overall positive carbon outcome.
- **Water Yield:** Overall, water yield in treated plots was 15% greater than in untreated plots. However, the outcome was not positive for all treatment locations. Soil moisture retention was improved on Bolinas Ridge where treatment primarily consisted of onsite mastication and fuel loads were initially very high. Soil moisture retention worsened at Laurel Dell and San Geronimo Ridge treatment sites where treatments included pile burning and fuel loads were initially lower than Bolinas Ridge. The reasons for this variability are not yet fully understood and may include a combination of site conditions and treatments used.

PHASE TWO:

In the fall of 2018, the second phase of treatment established 8 plots at Bolinas Ridge (Summit) near the intersection of Ridgecrest Boulevard and Bolinas Fairfax Road. Based on the preliminary results, the second phase of treatment was designed with the goal of identifying lower cost options for achieving some of the beneficial outcomes achieved in phase 1. Specially, this entailed leaving a coarser layer of mulch throughout the treatment areas. Pre-treatment data was collected for the treatment area and control sites.

Natural recruitment of desired seedlings was not observed at the phase 1 treatment sites during follow up vegetation monitoring, in response to this the U.S. Forest Service developed a replanting plan as part of contract amendment 2 in order to achieve the projects carbon goals. Reforestation will be conducted within an experimental framework that will include Douglas-fir and redwood seedlings from genetic stock collected locally as well as from hotter, drier climates. The intent is to prepare for a more variable climatic future here on Mt Tamalpais.

NEXT STEPS:

Hydrologic Monitoring-The proposed budget includes installation of new hydrologic monitoring equipment at Bolinas Ridge Summit sites this fall (2018) and winter (Phase 2) as well as ongoing maintenance and data downloading in 2019 of existing sites at Bolinas Ridge, Laurel Dell and Peter's Dam (Phase 1).

Carbon Monitoring- In the summer 2019, a Cal Poly field crew will quantify carbon pools and live carbon storage in current restoration treatments by performing a full census of all stems in each study plot. Resurvey expansion treatments and assess changes in vegetation composition, structure, changes in fuel loads, and estimate changes in disease dynamics with a dynamic epidemiological model. These measurements provide estimates of stem density, basal area, and fuel changes due to the treatment and provide the basis for longer-term understanding of success in sequestering atmospheric carbon.

Vegetation Monitoring and Replanting-At all treatment sites vegetation monitoring will occur to evaluate natural recruitment. Native seeds will be collected to support the implementation of the replanting plan that was developed as part of the second contract amendment. MMWD staff will assist with the seed collection and support the replanting effort at treatment sites. Reforestation monitoring and data collection is not being funded as part of contract amendment three.

ADDITIONAL FUNDING REQUEST:

MMWD Contract Number MA - 5378 / U.S. Forest Service Agreement FS-15-CO-11272139-015 is a 5 year agreement that establishes the U.S. Forest Service as fiscal agent and project manager for an interdisciplinary research team that includes researchers from U.C. Davis, Cal Poly, and the USDA Forest Service. The original agreement was approved by the Board of Directors in July 2015 and was funded at \$62,442. The first contract amendment of \$24,672 was approved in September 2016 to add the water measurements to the overall study. The second contract amendment of \$25,000 was approved in March of 2018 to support the development of a reforestation design plan. Staff requests approval for a third contract amendment

authorizing the U.S. Forest Service to continue existing data collection and add the three components described above in an amount not to exceed \$62,507 for a the total contract cost to \$174,821. The scope of the additional work and proposed budget can be found in Attachment 1.

PUBLIC OUTREACH EFFORTS:

Professor Richard Cobb has published and presented preliminary results of this work in multiple technical venues attended by foresters, plant pathologists, watershed managers, climate researchers, and wildfire risk managers. District Staff have conducted multiple public tours of the treatment sites on Bolinas Ridge with representatives from the Marin Conservation League, Marin Audubon Society, the California Native Plant Society, Marin County Fire Department, and our adjacent land management agencies. The Tamalpais Lands Collaborative is planning to feature this work in its next public science symposium which is scheduled for October of 2018 and will be focused on “Forests”.

STRATEGIC PLAN ALIGNMENT:

The requested action aligns with the district’s Strategic Plan Goal 4 (Environmental Stewardship), Strategy 3 (Enhance ecosystem resiliency), Objective 1 (Implement vegetation management plan actions to protect communities and habitats from wildfire).

REVIEWED BY:	A.S.D Manager/Treasurer	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>
	General Counsel	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

ATTACHMENTS:

1. Scope of Work for Amendment 3 to MMWD MA – 5378

Amendment 3

Restoring Mt. Tamalpais:

Promoting Water Yield And Carbon Capture In Forests Devastated By Sudden Oak Death

Third amendment to USDA Forest Service, Pacific Southwest Research Station, Collection Agreement 15-CO-11272139-015. Extend to maximum allowable length - June 24, 2020.

Amount of award: - \$62,507.94

MMWD technical contact: Shaun Horne, Natural Resource Program Manager Office: Sky Oaks Watershed Headquarters, 49 Sky Oaks Road, Fairfax, Mail: 220 Nellen Avenue, Corte Madera, CA 94925; Phone: 415-945-1192; shorne@marinwater.org

FS-PSW technical contact: Susan J. Frankel - USDA Forest Service, Pacific Southwest Research Station; 800 Buchanan Street, Albany, CA 94710; Phone: 510-883-8825; sfrankel@fs.fed.us

Cooperators:

Andrea Williams, Vegetation Ecologist, Office: Sky Oaks Watershed Headquarters, 49 Sky Oaks Road, Fairfax, Mail: 220 Nellen Avenue, Corte Madera, CA 94925; Phone: 415-945-1184; awilliams@marinwater.org.

Janet Klein, Director, OneTam Science Conservation Programs; jklein@onetam.org

Michael Swezy, Marin Municipal Water District; Sky Oaks Watershed Headquarters

Richard C. Cobb, Assistant professor for forest health; California State Polytechnic University, San Luis Obispo, 805-756-6333; rccobb@calpoly.edu

Sharon Farrell, Golden Gate National Parks Conservancy, Fort Mason, San Francisco, CA 94123; sfarrell@ParksConservancy.org.

Peter C. Hartsough, Dept. of Land, Air and Water Resources, UC Davis, 530-752-1210; phartsough@ucdavis.edu

David M. Rizzo, Department of Plant Pathology, UC Davis, One Shields Ave, Davis, CA 95616, 530-752-4269, dmrisso@ucdavis.edu

Jessica W. Wright, Research Geneticist, USDA Forest Service, Pacific Southwest Research Station, 1731 Research Park Drive, Davis, CA 95618; 530-759-1742, jessicawright@fs.fed.us

Background and Need: In 2015, the Marin Municipal Water District (MMWD) began stand manipulations, along Bolinas Ridge, Laurel Dell and Peters Dam, to restore stands heavily impacted by sudden oak death (SOD, caused by *Phytophthora ramorum*). The pathogen had transformed areas with tanoak, *Notholithocarpus densiflorus* into brush fields and caused hazardous and ecologically

undesirable vegetation conditions to develop. In a cooperative venture between the MMWD, USDA Forest Service, Pacific Southwest Research Station (PSW), CalFire and UC-Davis, 3 sites were treated by experimental vegetation removal and 30 monitoring plots established.

The project is comparing vegetation treatments and an untreated control to identify optimal techniques for long-term ecosystem benefits. Monitoring of vegetation, hydrology, and carbon dynamics is evaluating treatment effectiveness to provide for key forest functions including carbon sequestration, safe (reduced) fuels levels, and wildlife habitat quality. In 2016-2017, a lack of natural regeneration was observed in treated plots. To address this problem, a planting plan for the 3 sites (Bolin Ridge, Laurel Dell and Peters Dam) was developed. The sites have different stand types, for example, the Bolin Ridge site originally supported tanoak-redwood forest and Laurel Dell contained tanoak-Douglas-fir forest.

In amendment 3, additional funds are being provided to monitor vegetation, hydrologic and carbon dynamics at Bolin Ridge Summit sites this fall (2018) and winter as well as ongoing maintenance and data downloading in 2019 of existing sites at Bolin Ridge, Laurel Dell and Peters Dam.

In cooperation with MMWD, seed collection and planting is proposed for fall 2018 and spring 2019. Evaluation of planting success is planned to allow us to understand the success of establishing seedlings in the previously established restoration treatments and capture contrasts between species, seed sources, locations and forest types.

Goals:

1. Develop land management strategies to restore sudden oak death- impacted forests on Mt. Tamalpais.
2. Evaluate treatments to promote water yield, restore carbon sequestration and maintain other natural resource values in stands impacted by *Phytophthora ramorum*.

At the conclusion of the project, Mt Tamalpais land managers will have experience implementing alternative treatments and scientific evidence to serve as guidance for future management decisions. The results from this study will inform management of disease impacted stands throughout the range of invasion by *P. ramorum* but demonstrating effective measures for forest restoration.

There are 3 parts to the current project:

1. Quantifying changes in water yield associated with mastication and vegetation removal treatments in areas affected by sudden oak death – Marin Municipal Water District lands - Peter Hartsough, UC Davis, Dept. of Land, Air, and Water Resources
2. Restoring stand structure on Mt Tamalpais: Evaluation of stand treatments in Sudden Oak Death impacted forests - Richard C. Cobb, California State Polytechnic University, San Luis Obispo
3. Resilient Forest Project - Restoring Stand Structure on Mt Tamalpais. Planting Design Evaluation – Jessica Wright, USDA FS PSW, Davis

This amendment will fund work in 2018-2019 for these projects. Project descriptions for each project is provided as a separate attachment and budget. The projects are incorporated into this modification by reference.

Geographic area: Experimental treatments have been cooperatively designed and applied on Mt Tamalpais, on lands managed by the Marin Municipal Water District (MMWD). All work aims to improve forest health on MMWD lands at Mt. Tamalpais.

Budget -

1. Hartsough. Hydrology. UC Davis.

Direct costs	2018-19
Project Scientist (3 month/per year @ \$6023.91/mo)	\$18,072
Project Scientist benefits @ 38.9%	\$7,030
Salary - 1, temporary (3 month) Field Technicians (\$18.26/hr)	\$8,765
Tech. benefits at 38.9 %	\$3,410
Travel to field sites from Davis, CA	\$963
UC Overhead	contributed
Total	\$38,239

2. Cobb. Vegetation monitoring and carbon balance assessment, CalPoly SLO.

Direct costs	2018-19
Project Scientist (1 month)	\$8,979
Project Scientist benefits @ 10%	\$898
Salary and benefits - Undergrads (\$15.00/hr)	\$1,254
Salary and benefits – graduate stds (\$18.00/hr)	\$1,584
Travel to field sites from Davis, CA	\$2,600
Supplies and publication fees	\$3851.75
CALPoly Overhead (at 5% of salary & benefits)	\$833.25
Total	\$20,000

3. Wright. Seed collection and planting. FS- PSW

Funds needed for Fall 2018		Total
Crew training & Seed collection	JWW Time (4 days)	\$2,008.00
Seedlings - Placerville Nsy		\$1,000.00
Planting	1 day of	\$503.00

	JWW time	
Total - directs		\$3,511.00
Overhead at 5% (indirects)		\$175.55
Total		\$3,686.55

Budget summary: FS-PSW overhead on incoming funds and total costs

Pass-through rate 1% for UC–Davis and CAL Poly, in house FS-PSW rate 5% –

Hartsough, UCD \$38,239 + 1% PSW overhead (\$382.39) = \$38,621.39

Cobb, SLO \$20,000 + 1% PSW overhead (\$200) = \$20,200

Wright, FS-PSW \$3,511 + 5% PSW overhead (\$175.55) = \$3,686.55

Total Direct costs = \$61,750

Total PSW overhead (estimated at 5% for inhouse and 1% for pass through) = \$757.94

Total = \$62,507.94

Budget notes

Does not include hydrology equipment \$18,722 which has been provided to UC-Davis, Hartsough. Some costs for seedling production and planting costs will be paid for directly by MMWD. Thinning may be required after 10 years and is not included in budget.

Further budget details are available in each project’s budget, see attachments.

PSW will enter into agreements with UC Davis and Cal Poly to award funds. Required match at 20% of their total project costs will be either contributed overhead or other grant support (not shown). UC overhead cannot be charged on FS-PSW Joint Venture Agreements.

USFS overhead charges shown are for MMWD - USDA FS PSW agreement at USDA FS PSW FY2018 overhead rates, same as modification 2: USFS Overhead at 5% in-house and 1% pass-through.

Travel costs will not exceed daily federal per diem and lodging rates for Marin County for FY2019.



STAFF REPORT

SUBJECT: Amendment No. 4 to MA – 5311 Marin County Landscape and Vegetation Mapping Project Agreement
SUBMITTED BY: Shaun Horne, Natural Resources Program Manager
Mike Swezy, Watershed Resources Manager
Crystal Yezman, Division Manager
Facilities and Watershed Maintenance Division
RECOMMENDED ACTION: Approve Amendment 4 to Marin Municipal Water District (District)/Golden Gate National Parks Conservancy (Conservancy) Cooperative Agreement (MA - 5311) for the Marin County Landscape and Vegetation Mapping Project for \$100,000.

EXECUTIVE SUMMARY:

This item was reviewed by the District Operations Committee on September 21, 2018, and is referred to the Board with a recommendation for action as shown above.

The Marin County Landscape and Vegetation Mapping Project is a new joint One Tam effort that aims to develop a fine scale vegetation map and landscape database for Marin County. The environmental data products will be used by many organizations and government departments for a wide range of purposes including planning, monitoring and management for watershed protection. The Conservancy staff has been successful in working out the funding arrangement totaling \$1,240,760 with partnering organizations through the One Tam collaborative. Amendment No. 4 to the Cooperative Agreement between the Conservancy and the District (attached) approves funding to support the landscape and vegetation data acquisition and mapping effort. The Project deliverables would result in new high-resolution imagery, Light Detection and Ranging (LiDAR), and a fine scale vegetation map for the entire County, including the District’s watershed lands. The District will use this data to support project planning, vegetation monitoring, and land management efforts. Staff requests approval for a contract amendment to support the project and contribute \$100,000 to the Conservancy’s data acquisition and mapping efforts.

FISCAL IMPACT: YES X NO FISCAL YEAR: 2018

EXPENDITURES

Table with 2 columns: Category, Amount. Rows include Budgeted Amount (\$100,000), Budget Augmentation Requested (\$), and TOTAL EXPENDITURES (\$100,000).

FUNDING SOURCES

Table with 2 columns: Source, Amount. Rows include Operating Fund (\$100,000), Capital Fund (\$), Other (\$), Operating Reserves (\$), and TOTAL SOURCES (\$100,000).

FISCAL IMPACT NARRATIVE:

The Marin County Landscape and Vegetation Mapping Project will be funded by a combination of One Tam partners as identified in Table 1 below. The total project cost is \$1,240,760 and the district's contribution to the project would be \$100,000. There are sufficient funds in this year's budget to support the contract amendment and the District's funding contribution.

Table 1: Project Funding Partners

Contributor	Amount
California State Parks	\$60,000
Golden Gate National Parks Conservancy cash contribution FY 2018 (donor match)	\$240,000
Golden Gate National Parks Conservancy cash contribution FY 2019 (donor match)	\$200,000
Golden Gate National Parks Conservancy in-kind project management FY 2018/2019	\$15,000
Golden Gate National Parks Conservancy in-kind technical support FY 2018/2019	\$23,360
United States Geological Survey	\$126,000
Marin Community Foundation: Marin County Park Fund	\$63,400
Marin County Department of Public Works FY 2017/2018	\$50,000
Marin County Parks FY 2017/2018	\$100,000
Marin County Parks FY 2018/19	\$120,000
Marin Municipal Water District FY 2018/2019	\$100,000
MarinMap Orthophotography Update Fund 2018	\$25,000
National Park Service Franchise Fee Fund 2018	\$100,000
National Park Service ONPS I&M + Fire Fuels Funds 2018	\$18,000
Total	\$1,240,760

BACKGROUND:

A countywide fine scale vegetation map has never been completed, hampering cross ownership planning and often resulting in analysis based on coarse statewide datasets which do not have the granularity required for management at a local scale. The Conservancy staff has been successful in working out the funding arrangement with partnering organizations through the One Tam collaborative to support development of a countywide landscape and vegetation map. The objective of the project is to produce an open-access digital dataset that covers all of Marin County. The district has carried out similar vegetation mapping efforts on District owned lands and has vegetation data sets from 2009 and 2014. The updated data will provide the district with better information regarding vegetation changes on District lands, which will help to inform vegetation management needs.

The Conservancy and the One Tam partners will work together to achieve the common goal of developing a fine scale vegetation map and landscape database for Marin County. The project will acquire 6" digital orthoimagery, 8-Point LiDAR imagery, Digital Surface Model (DSM), Digital Elevation Model (DEM) Production, 1-foot contour production, and comprehensive vegetation classification scheme. This foundational data will provide the underpinning for long-term county wide monitoring of ecosystem health, vegetation and climate resiliency. In the near term it will help the district assess vegetation changes and prioritize vegetation management.

Additional derivatives could be derived from these data sets if funding is secured through grants or by collaborating agencies. At this time, One Tam partnering organizations have funded a project scope with a total cost of \$1,240,760. The District's contribution to the project is \$100,000. Staff requests that the Board approve Amendment 4 of the Cooperative Agreement between the Conservancy and the District.

STRATEGIC PLAN ALIGNMENT:

The requested actions align with the district's Strategic Plan Goal 4: Environmental Stewardship, Strategy 2 – Increase community engagement in stewardship of Mt. Tamalpais as water and community asset: Objective 1 - Develop projects and programs for the Tamalpais Lands Collaborative.

REVIEWED BY:	A.S.D Manager/Treasurer	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>
	General Counsel	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

ATTACHMENTS:

1. Amendment No. 4 to MA 5311 with GGNPC

AMENDMENT NO. 4
COOPERATIVE AGREEMENT BETWEEN THE GOLDEN GATE NATIONAL PARKS
CONSERVANCY
AND THE
MARIN MUNICIPAL WATER DISTRICT

MARIN COUNTY-WIDE LANDSCAPE MAPPING PROJECT

This contract amendment for the Marin County-Wide Landscape Mapping Project is entered into by and between Marin Municipal Water District (“District”) and the Golden Gate National Parks Conservancy (“Conservancy”).

For good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the parties hereto agree as follows:

Section 1. Recitals:

- A. District and Conservancy entered into a Cooperative Agreement on January 12, 2015 (“Agreement”).
- B. The parties desire to enter into an amendment to the Agreement to provide for the Marin County-Wide Landscape Mapping Project.

Section 2. Terms:

- A. Amendment to Agreement: This Amendment No. 4 modifies the Agreement. Except for the modifications contained herein, all the terms of the Agreement shall apply.
- B. This Amendment No. 4 shall remain in effect until June 30, 2021.
- C. Terms: The parties desire to carry out the Marin County-Wide Landscape Mapping Project as follows:

Project Objective: The objective of the Project is to produce an open-access digital dataset of the following Marin County landscape-scale features. Specific products will include:

1. 6 inch, 4-band ortho imagery (obtained in the late spring of 2018)
2. 8-point LiDAR (scheduled for late summer/early fall of 2018)
3. A 1-meter bare earth digital elevation model (DEM) derived from the 2018 8-point LiDAR
4. A 1-meter digital surface model (DSM) derived from the 2018 8-point LiDAR
5. 1-foot contours derived from the 2018 8-point LiDAR
6. A written classification and key for all vegetation types mapped in Marin County
7. A fine scale vegetation map of all of Marin County, generally to the alliance level of the Manual of California Vegetation. Minimum mapping unit 1 acre generally; ¼ acre for

wetlands. Map to represent state of the landscape in summer 2018. In addition to vegetation type, map polygons will be attributed with the following:

- MAP_CLASS/Map Class
- SOURCE/Source
- REL_COV/Relative Cover (% hardwood v. % conifer cover)
- ALLIANCE/Alliance
- OID_COPY/OID_COPY
- Abbrev/Map Class abbreviation
- LIFEFORM/Lifeform
- HDW_COV_LO/Absolute Hardwood Cover Low End
- HDW_COV_HI/Absolute Hardwood Cover High End
- CON_COV_LO/Absolute Conifer Cover Low End
- CON_COV_HI/Absolute Conifer Cover High End

Additionally, the following LiDAR related attributes will be included in the vegetation map attribute table:

- TREE_HT_MN/Mean LiDAR Stand Height
- TREE_HT_MX/Max LiDAR Stand Height
- TREE_HT_SD/Standard Deviation LiDAR Stand Height
- ABS_COVER/Absolute % Tree Canopy Cover (included as a base deliverable)
- MN_P05/Mean of 5th Percentile Height (this and the following attributes are optional items)
- SD_P05/Standard Deviation of 5th Percentile Height
- MN_P10/Mean of 10th Percentile Height
- SD_P10/Standard Deviation of 10th Percentile Height
- MN_P25/Mean of 25th Percentile Height
- SD_P25/Standard Deviation of 25th Percentile Height
- MN_P50/Mean of 50th Percentile Height
- SD_P50/Standard Deviation of 50th Percentile Height
- MN_P75/Mean of 75th Percentile Height
- SD_P75/Standard Deviation of 75th Percentile Height
- MN_P90/Mean of 90th Percentile Height
- SD_P90/Standard Deviation of 90th Percentile Height
- MN_QAV/Mean LiDAR Average Square Height
- SD_QAV/Standard Deviation LiDAR Average Square Height
- MN_SKE/Mean LiDAR Skewness
- SD_SKE/Standard Deviation LiDAR Skewness
- MN_AVG/Mean of LiDAR Returns
- MN_KUR/Mean LiDAR Kurtosis
- SD_KUR/Standard Deviation of LiDAR Kurtosis
- MN_STD/Mean of the Standard Deviations of LiDAR Returns

2. Statement of Work:

A. The Conservancy shall:

1. **Budget:** Conservancy shall assume the following responsibilities pertaining to the overall project budget:
 - a. Provide general services of its existing management staff as defined within the Cooperative Agreement.
 - b. Service as lead fiscal agent and overall management and allocation of funds provided by other project partners to meet the project objective and acquire the stated deliverables.
 - c. Provide funding and support in the amount not exceed \$490,000, to include project-based staff support to complete the scope of work as outlined.
 - d. Pursue and secure funding sources for the remaining budget gap of approximately \$11,516. See Budget & Payment section below for further details.
 - e. Pursue and secure funding sources for derivative datasets which may include one or more of the following: a fuels map, 6-class impervious surfaces, and an updated National Hydrology Database compatible hydrographic dataset.
2. **Staff:** Provide Conservancy staff to fill the following project roles: Project Manager, Program Director, GIS Specialist, Conservation Management Specialist, and Biological Monitors.
3. **Consultant Contracts:** Conservancy shall incorporate the following indemnification language into contracts with consultants performing services for this project during federal Fiscal Years 2019, 2020, and 2021.
 - (a) MMWD is relying on professional ability and training of the Consultant as a material inducement to enter into this agreement. The Consultant hereby warrants that all its work shall be performed in accordance with generally accepted professional practices and standards, as well as the requirements of applicable federal, state and local laws, it being understood that acceptance of the Consultant's work by MMWD shall not operate as a waiver or release.
 - (b) Consultant expressly agrees to defend, indemnify and hold harmless MMWD, Its officers, agents, and employees from and against any and all loss, liability, expense, claims, suits and damages, including attorneys' fees, arising out of or pertaining or relating to Consultant's, its associates', employees', sub consultants', or other agents' negligence, recklessness, or willful misconduct, in the operation and/or performance under this Agreement.
 - (c) With respect to all other than professional services under this agreement, Consultant shall indemnify, hold harmless, release and defend MMWD, its officers, agents and employees from and against

any and all actions, claims, damages, disabilities, liabilities and expenses, including attorney's and expert fees and witness costs that may be asserted by any person or entity, including the Consultant, arising out of or in connection with this agreement and the activities necessary to perform those services and complete the tasks provided for herein, but excluding liabilities due to the sole negligence or willful misconduct of MMWD.

(d) This indemnification is not limited in any way by any limitation on the amount or type of damages or compensation payable by or for the MMWD or its agents under workers' compensation acts, disability benefit acts or other employee benefit acts.

4. **Reporting:** Report on performance and expenditure of funds relative to this Project on a quarterly basis or upon specific request, as described in Cooperative Agreement MA-5311 to the District and as specified in section C. Reporting & Payment below.

B. The District shall:

1. **Budget:**

(a) Provide funding in the amount not exceed \$100,000 in MMWD Fiscal Year 2018/19. Payments for MMWD Fiscal Year 2018/19 shall be disbursed following the receipt and approval of submitted invoices to allow for contracted consultant scopes as identified in the estimated project budget for MMWD Fiscal Year 2018/19 not to exceed \$100,000. (see Table 1).

2. **Staff:** Assign one MMWD staff as the project lead. MMWD Project Manager to:

- (a) Identify appropriate MMWD staff to serve on the Project Interdisciplinary Review Team;
- (b) Work with the Conservancy Project Manager to develop and adopt a preliminary list of vegetation types to target for sampling and mapping.
- (c) Ensure compliance with all MMWD policies and procedures.
- (d) Ensure appropriate review and approval by MMWD staff and Board.
- (e) Review and approve all Conservancy and Consultant deliverables; provide feedback, to include –
 - a. Draft fine scale vegetation map;
 - b. Final list of vegetation types to sample;
 - c. Draft LiDAR derivatives;
 - d. Community Engagement materials.

C. Reporting & Payment:

1. **Invoicing:** The Conservancy shall prepare quarterly invoices for review and approval by the District. All invoices shall include billings and support documentation from consultants, as well as:
 - (a) A one-page status report of all deliverables, including percentage complete of each task.
 - (b) Any products developed by consultants and staff during the invoice period.
 - (c) Any discrepancies shall be discussed and addressed by the Conservancy and District Project Managers.

2. **Payment Schedule:** The following is a proposed budget breakdown for the respective contribution of funds towards this project by the District, the One Tam partners and Conservancy.

Table 1. Projected Costs

Task	Description	Amount
1	Project management and administration	\$50,000
2	6-inch Ortho imagery acquisition and post processing	\$98,229
3	8-Point LiDAR imagery acquisition, DSM and DEM production	\$308,920
4	1-foot contour production	\$5,000
5	Marin county-wide vegetation classification production: field data acquisition and analysis	\$235,500
6	Fine-scale vegetation map production and accuracy assessment	\$531,267
7	Technical support	\$23,360
	Total	\$1,252,276

Table 2. Identified Funding Sources Through September 2018

Contributor	Amount
California State Parks	\$60,000
Golden Gate National Parks Conservancy cash contribution FY 2018 (donor match)	\$240,000
Golden Gate National Parks Conservancy cash contribution FY 2019 (donor match)	\$200,000
Golden Gate National Parks Conservancy in-kind project management FY 2018/2019	\$15,000
Golden Gate National Parks Conservancy in-kind technical support FY 2018/2019	\$23,360
United States Geological Survey	\$126,000
Marin Community Foundation: Marin County Park Fund	\$63,400
Marin County Department of Public Works FY 2017/2018	\$50,000
Marin County Parks FY 2017/2018	\$100,000
Marin County Parks FY 2018/19	\$120,000
Marin Municipal Water District FY 2018/2019	\$100,000
MarinMap Orthophotography update fund 2018	\$25,000
National Park Service Franchise Fee Fund 2018	\$100,000
National Park Service ONPS I&M + Fire Fuels Funds 2018	\$18,000
Total	\$1,240,760

Table 3. Project Schedule

Task	Description	Delivery Date
1	Project management and administration	Feb 2018 thru April 2021
2	6-inch Ortho imagery	September 2018
3	8-Point LiDAR imagery acquisition, DSM and DEM production	March 2019
4	1-foot contour production	March 2019
5	Marin county-wide vegetation classification production: field data acquisition and analysis	Field work: June 2018 thru June 2019 Classification / Key September 2019
6	Fine-scale vegetation map production and accuracy assessment	Draft December 2020 Final April 2021 Reports /Final Database September 2021
7	Technical support and fund-raising	Feb 2018 thru October 2019

IN WITNESS HEREOF, the Parties hereto have signed their names and executed this Amendment No. 1.

Dated: _____

GOLDEN GATE NATIONAL CONSERVANCY

By _____

Nicolas Elshans
Executive Vice President and Chief Operating Officer

Dated: _____

MARIN MUNICIPAL WATER DISTRICT

By _____

Krishna Kumar
General Manager



STAFF REPORT

SUBJECT: Contract No. 1838, Lagunitas Creek Winter Habitat and Floodplain Enhancement Project, authorization of a change order and contract increase for additional work for fish habitat enhancement structures in Lagunitas Creek, Marin County.

SUBMITTED BY: Aaron Fulton, Associate Engineer
Gregory Andrew, Fishery Program Manager
Crystal Yezman, Facilities and Watershed Division Manager

RECOMMENDED ACTION: Authorize the General Manager to approve a change order to Contract No. 1838 for site 3 for a not to exceed amount of \$118,250.

EXECUTIVE SUMMARY:

On June 6, 2017, the Board approved Resolution No. 8447 authorizing the award of Contract No. 1838, to Hanford Applied Restoration & Conservation (Hanford ARC) in the amount of \$1,113,750. The contract is for the installation of winter habitat and floodplain enhancement structures at ten project sites (Sites 1-10) along Lagunitas and Olema creeks for the benefit of coho salmon and steelhead trout (See Project Site Map, Attachment 1). Planning, design, and construction of the project is funded by four grants totaling \$1,807,730 with a District contribution of \$1,092,906 for a total project cost of \$2,900,636.

	Grant Funding	District Cost	Total Cost
Planning & Design	\$400,240	\$783,583	\$1,184,093
Construction	\$1,407,490	\$309,053	\$1,716,543
Total	\$1,807,730	\$1,092,906	\$2,900,636

The first of two construction phases, Phase 1, included construction of sites 3, 4, 5, 6, and 10 and was completed during the summer/fall of 2017. A total of eight change orders were issued during Phase 1 construction ranging from \$2,300 to \$40,860, totaling \$112,208 (10% of original contract costs). Hanford ARC completed all construction as directed by the district.

Need for Repairing and Modifying Structures

During the winter storms of 2017/2018 the large wood structure at site 4 failed and much of the soil ballast covering the large wood structure at site 3 was lost. Following coordination with grant funders, regulatory authorities, and public land managers, MMWD commissioned an independent engineering firm to conduct forensic analysis and a design review of all of the project sites that were constructed during Phase 1 and two structures planned for construction under Phase 2 (sites 1 and 2). Grant funders requested that the district repair the damages at Site 3 and 4 and modify the project designs at the remaining project sites. District staff worked

extensively with an independent consultant and the project grant funders to develop a repair plan and modified designs. The negotiated costs with Hanford ARC to incorporate modifications to site 3 is \$107,500 without contingency. Out of this additional construction cost, \$98,000 (90%) will be grant funded, and \$9,500 (10%) will be district funded. Reconstruction of site 4 is pending additional collaboration and may not occur this construction season. Phase 2 construction for the remaining sites is delayed until next year after further design review.

The permitted construction window for this season end October 31, 2018, weather permitting. The district hopes to execute repairs to site 3, at a minimum, this year.

Proposed Method of Payment for the Additional Cost

Staff is proposing to incorporate the additional cost to repair site 3 through a change order. A summary of change orders and proposed work is detailed in the following table:

Construction Costs	Grant Funded	District Funded	Total Cost
Original Contract	\$1,113,750	-	\$1,113,750
Change Orders to Date	\$112,208	-	\$112,208
Proposed costs to incorporate repair site 3	\$98,000	\$20,250	\$118,250
Total anticipated change orders	\$210,208	\$20,250	\$230,458
Change order as a percent of construction contract	19%	2%	21%

Staff requests that the board authorize the General Manager to approve a change order and increase Contract No. 1838 to repair site 3 with a ten percent contingency, for a not to exceed amount \$118,250.

FISCAL IMPACT: YES X No **FISCAL YEAR:** 2018-2019

EXPENDITURES

Budgeted Amount	\$118,250
Budget Augmentation Requested	\$
TOTAL EXPENDITURES	\$118,250

FUNDING SOURCES

Capital Fund	\$20,250
Grant Funding	\$98,000
TOTAL SOURCES	\$118,250

FISCAL IMPACT NARRATIVE:

The negotiated cost for the change order to incorporate repairs to site 3 with contingency for the Lagunitas Creek Winter Habitat and Floodplain Enhancement Project is \$118,250. Budget is available in Lagunitas Creek Winter Habitat capital project funds, within fund center A1F06

(Reimbursable - Split Funding Grant) to cover the change order for fiscal year 18/19. The accounting for this project falls within four project numbers to properly facilitate administration of multiple grant awards associated with the project. Those project numbers are R16004 – FRGP Winter Habitat Implementation Phase 1, R16005 – SWRCB Winter Habitat 319H, R16032 – USFWS Lagunitas Creek Tocaloma Floodplain Study Phase 1, and R16033 – FRGP Winter Habitat Implementation Phase 2.

Contract No: 1838
Project No: R16004, R16005, R16032, and R16033
Original Contract Amount: \$1,113,750
Change Orders 1-8 (approved): \$ 112,208
Change Order 9 (with contingency): \$ 118,250
Revised Contract Amount: \$1,232,000

Budget:

Contract Award w/Change Orders: \$1,232,000
Professional Fees: \$0
District Labor: \$0
Total Budget: \$1,232,000
Budget Category: A1F06

Project Implementation:

Project Advertisement: April 20, 2017
Project Award: June 6, 2017
Estimated Completion Date: December 15, 2019
Duration: 325 days, over three construction seasons in 2017 - 2019

BACKGROUND:

The district has been implementing winter habitat and floodplain enhancement work at a total of ten project sites along Lagunitas and Olema Creeks. The purpose of the project is to stabilize and improve Lagunitas Creek salmonid populations by increasing the winter habitat carrying capacity for coho salmon and steelhead trout. This work is included in the district's Lagunitas Creek Stewardship Plan as a distinct implementation element of the plan. The district was awarded four grants to implement this winter habitat and floodplain enhancement work: a grant from the U.S. Fish and Wildlife Service, Coastal Program, two grants from the California Department of Fish and Wildlife (CDFW) Fisheries Restoration Grant Program (FRGP), and a grant from the State Water Resources Control Board (SWRCB) Clean Water Act Section 319(h) Grant Program. The total grant funding is \$1,807,044, with \$1,407,490 of that funding earmarked for construction contract services. The remaining grant funding is being applied to engineering and environmental services. The district is also contributing \$1,092,906 towards the total project costs.

The district had previously contracted the engineering services of Kamman Hydrology & Engineering, Inc. and Balance Hydrologics, Inc. to prepare the construction plans for sites 1-9 and site 10, respectively. The district has also previously contracted the engineering services of The Covello Group for construction management.

Construction of five of the ten project sites – 3, 4, 5, 6, and 10 - was completed during the summer/fall of 2017. Sites 3 & 6 included installations of large wood structures referred to as Bar Apex Jams (BAJs); sites 4 & 5 included installations of large wood structures referred to as Log Debris Retention Jams (LDRJs); and site 10 included the excavation of a floodplain side channel. During construction, the following seven change orders were approved:

Change Order	Description	Amount
1	Site 10 Stockpile Soil from Cross Marin Trail Access	\$ 2,300
2	Site 10 Floodplain Channel Extension	\$ 15,701
3	Site 10 Knotweed Treatment	\$ 10,808
4	Site 5 Cut-Over Channels to Avoid Knotweed Impacts	\$ 3,510
5	Site 3 – 6 Erosion Control Treatments	\$ 40,860
6	Site 3 – 6 As-Built Survey Modifications	\$ 16,265
7	Site 4 – 6 Knotweed Treatment; and Sites 4 & 5 Cabling	\$ 22,764
	Total	\$112,208

Change Order No. 7, for cabling at sites 4 & 5, was developed to help provide stability to the two LDRJs. These structures consist of log posts driven into the stream bed with horizontal logs laid in between the posts, thus acting to impede flow, raise water levels, and shunt water onto the floodplain. The design called for the vertical posts to be driven 10 feet into the stream bed, however, during construction, refusal was encountered and the posts were only able to be driven to a depth of 4 and 7 feet. To provide stability of the structure, cabling was recommended by Kamman Hydrology & Engineering, the project engineer, and approved for installation.

During the winter of 2017/2018, the LDRJ at site 4 was subjected to storms and high flow events up to 1,300 cubic feet per second (cfs). A moderate storm in early April 2018, when flows reached about 500 cfs, caused the LDRJ at site 4 to fail. About half of the site 4 LDRJ dislodged from the channel bed and floated downstream where it was retained by the site 5 LDRJ. The other half of the structure remained at site 4 but folded back up against the stream bank. During the same period, the soil ballast covering the BAJ at site 3 had scoured away; necessitating repairs to stabilize the structure.

The failure of site 4 and the loss of soil ballast at site 3 prompted the district to engage the firm of Natural Systems Design (NSD) to conduct an independent engineering forensic analysis and design review. NSD concluded that the Bar Apex Jam at site 3 and 5 were vulnerable and that the structure at site 4 failed due to insufficient embedment of the vertical piles. District staff and NSD are developing modifications to the designs at sites 1, 2, and 5, repair plans for site 3,

and replacement plans for site 4. The repair to site 3 is expected to be implemented this year (2018 construction season). Installations at sites 6 and 10 are stable and no additional work is needed. Work at sites 1, 2, 7, 8, and 9 has been delayed until 2019. Staff is anticipating a review and design modifications to the large wood structures for those project sites.

The repairs to site 3 will require a change order to the contracted bid items in Contract No. 1838. District staff has negotiated a cost of \$107,500 to repair site 3. Staff requests that the board authorize the General Manager to approve a change order and increase Contract No. 1838 for repairs to site 3 with a ten percent contingency, totaling \$118,250.

STRATEGIC PLAN ALIGNMENT:

The action aligns with the district’s Strategic Plan Goal 2 (Financial Stewardship), Strategy 7 (Maximize the role of State and federal grant funding in MMWD business model and financial planning); and Goal 4 (Environmental Stewardship), Strategy 1 (Enhance ecosystem resiliency in the face of climate change), Objective 2 (Implement the Lagunitas Stewardship Plan.)

PUBLIC OUTREACH EFFORTS:

The district has been in close contact and coordination with the project’s grant funders (CDFW and SWRCB) and landowners (National Park Service and California State Parks) to develop the design modifications and prepare for the implementation of this additional work. District staff also provided a detailed update on the project to the Lagunitas Creek Technical Advisory at its meeting on June 15, 2018.

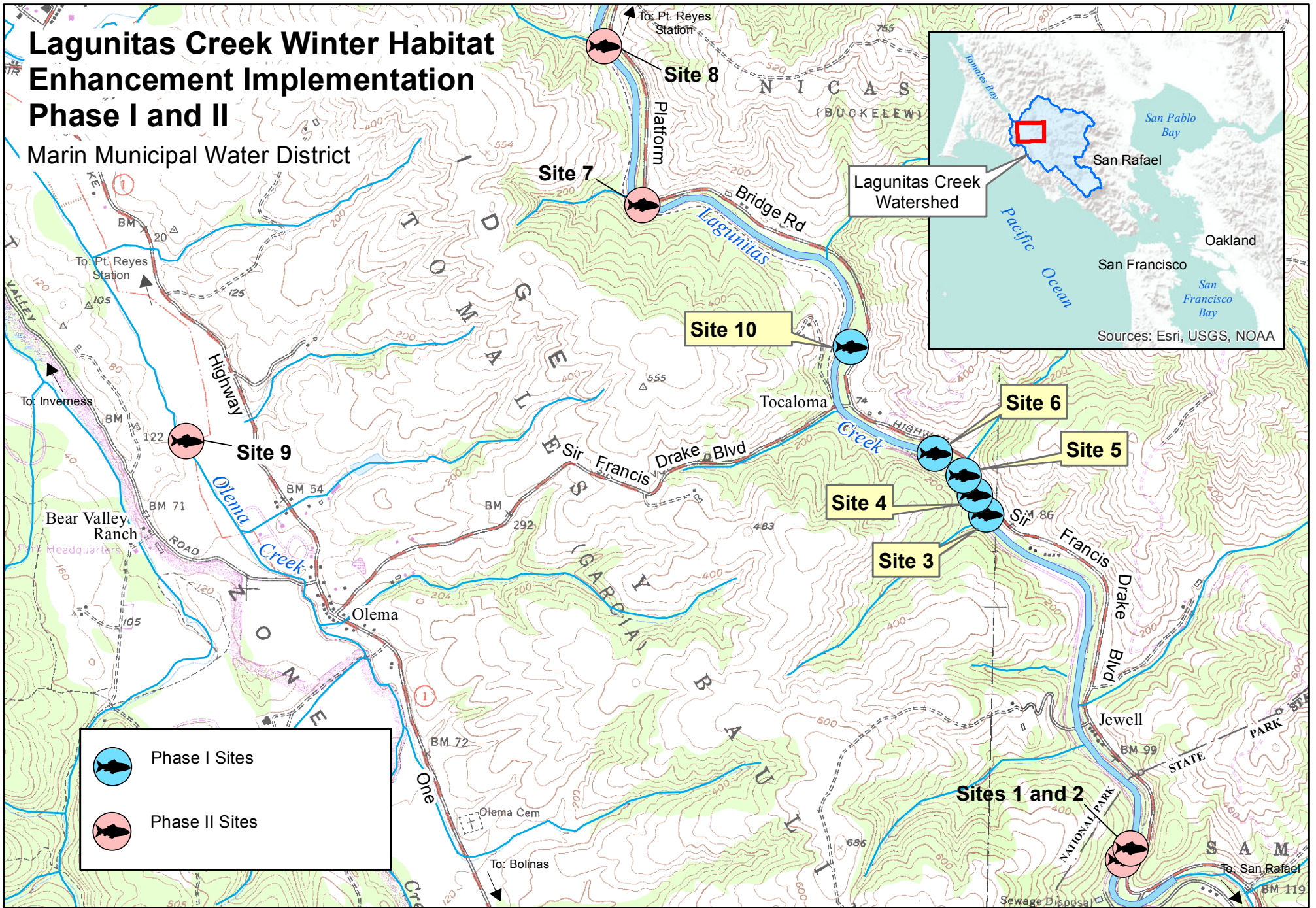
REVIEWED BY:	Finance Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>
	General Counsel	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

ATTACHMENTS:

1. Project Site Map – Lagunitas Creek Winter Habitat and Floodplain Enhancement Project

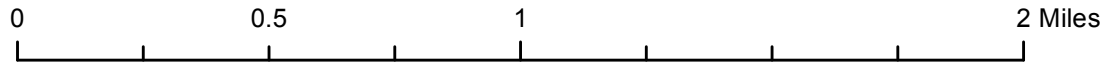
Lagunitas Creek Winter Habitat Enhancement Implementation Phase I and II

Marin Municipal Water District

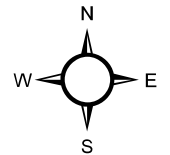


	Phase I Sites
	Phase II Sites

Sources: Kaman Engineers, 2014, NPS, Balance Hydrologics, MMWD GIS, and USGS Quad Maps (7.5 min.) Portions of San Geronimo and Inverness.



1:24,000



Prepared by MMWD Sky Oaks Wtrshd HQ GIS March 2015



STAFF REPORT

SUBJECT: Affordability programs for Low-Income and Medically Disabled
SUBMITTED BY: Charles M. Duggan, Jr., A. S. Division Manager/Treasurer
RECOMMENDED ACTION: Information Only

EXECUTIVE SUMMARY:

For over thirty years the Board of Directors has authorized two programs to aid low income persons, or, medically disabled individuals whose disability requires higher than normal water usage. Today's report provides an update on current eligibility criteria, utilization, and the District's upcoming increased efforts to publicize the programs. Over the last three years the District has waived a total of \$913,613 benefitting over 1,100 customers annually.

FISCAL IMPACT: YES NO **FISCAL YEAR:** 2017-2018

FISCAL IMPACT NARRATIVE:

For FY2018 the fees waived for low-income individuals are \$235,052 and for medically disabled accounts they are \$111,158 equaling a total of \$346,211 for both programs.

As required by law, non-rate revenue was used to offset these waivers.

BACKGROUND:

The Foreword from the October 2017 National Academy of Public Administration report *Developing a New Framework for Community Affordability of Clean Water Services* states:

“Over the past several years, the government’s ability to provide affordable clean water services to communities and individuals has reached a critical juncture. Aging infrastructure, regulatory obligations and rising costs, and increasing economic segmentation in the United States have adversely affected both water utilities and the low-income customers who use are most vulnerable to water rate increases.”

According to the U.S. Department of housing and Urban Development (HUD) FY 2018 schedule a family of four in Marin is considered Low Income with an income no higher than \$117,400.

In recognition of the challenges faced by individuals in the low-income bracket, or, experiencing medical conditions requiring higher than normal water usage, the MMWD Board of Directors regularly sustain or enhance the ability for these persons to waive fixed fees or obtain higher water allowances before moving to Tier 2 rates.

Our Programs: (This information is also available on our website)

Service Charge Waiver Program for Low Income Customers

For qualifying accounts, the bimonthly meter service charge and the watershed management fee are waived. Water use is billed according to our usual and current rate structure.

To qualify for MMWD's Service Charge Waiver, recipients must:

- Have an annual household income at or below 60% of the median Marin County low income level set forth by the Federal Department of Housing and Urban Development (see Low Income Guide, also available in Spanish) and provide proof of same;
- Install water-efficient showerheads, toilets, and faucet aerators in your home that meet MMWD code (free showerheads and aerators are available from MMWD);
- Be a single-family residential customer with a meter size no larger than one inch;
- Have the water service in your name (apartment complexes or mobile home parks with a master meter do not qualify); and
- Not be claimed as a dependent on another person's income tax return.

Medical Disability Discount

For qualifying accounts, the bimonthly meter service charge and the watershed management fee are waived, and an additional twelve CCFs are billed at the Tier 1 base rate. To qualify for MMWD's Medically Disabled Water Rate Program, recipients must:

- Establish your disability requiring use of additional amounts of water through doctor verification;
- Install water-efficient showerheads, toilets, and faucet aerators in your home that meet MMWD code (free showerheads and aerators are available from MMWD);
- Be a single family residential customer with a meter size no larger than one inch;
- Have the water service in your name (apartment complexes or mobile home parks with a master meter do not qualify); and
- Not be claimed as a dependent on another person's income tax return.

Current Utilization:

Fiscal Year	Low Income Program	Medical Disability Program	Total	Total Subsidy
FY 2016	751	225	976	\$235,893
FY 2017	823	307	1130	\$331,509
FY 2018	776	326	1102	\$346,211

ONGOING MARKETING PLAN:

Both programs are available on MMWD's website under the Services tab on any page.
<http://marinwater.org/229/Discounted-Rate-Programs>

Our strategy to get the word out on the programs is as follows:

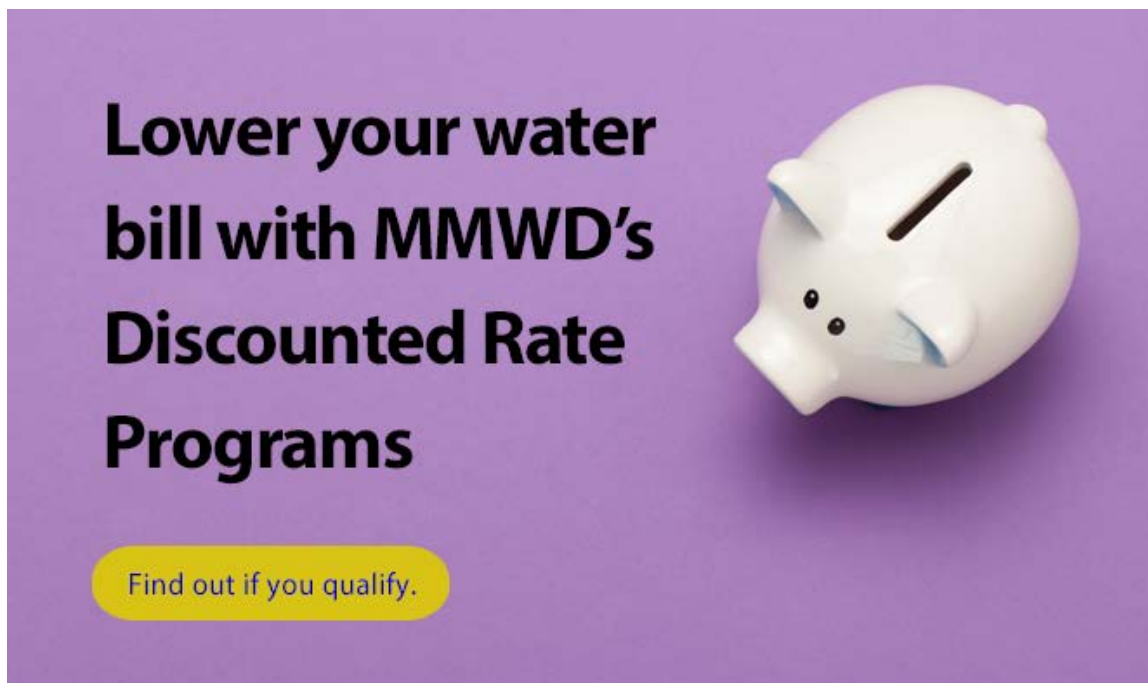
1. We published Discounted Rate Program's (DRP) on all our Sept-Oct bills, which is sent to all our customers in our entire service area. – **Completed in Sept.**

This message was included in the Sept-Oct bill:

Discounted Rate Programs Available

To assist low income and medically disabled customers with their water bills, MMWD offers two discounted rate programs. Under the Service Charge Waiver Program for Low Income Customers, the bimonthly service charge and watershed management fee are waived, so customers pay only for water used. Under the Medical Disability Discount, the bimonthly service charge and watershed management fee are waived, and participants receive an additional 12 CCFs of water billed at the Tier 1 rate. For program qualifications and to apply, call our Customer Service Department at 415-945-1400 or visit: marinwater.org/discounts

2. We posted an ad on the district's homepage, which links to the DRP webpage. – **Completed 9/18/2018**



Lower your water bill with MMWD's Discounted Rate Programs

Find out if you qualify.

The advertisement features a purple background. On the left, the text 'Lower your water bill with MMWD's Discounted Rate Programs' is written in a large, bold, black font. Below this text is a yellow rounded rectangle containing the text 'Find out if you qualify.' in a smaller, black font. On the right side of the advertisement is a white piggy bank with a coin slot on top and small black dots for eyes.

3. Run printed (possible digital) advertising with the Marin IJ in some upcoming newspapers. Expected completion of ad: 9/21/2018. Waiting to hear back on the timing yet of the ad publish dates.
4. Publish the DRP information on our social media platforms, and run some ads on Facebook. Expected completion date: 9/21/2018.
5. Include an article or printed insert on DRP into the Nov-Dec 2018 bills and digital newsletter. Expected completion date: 10/31/2018
6. Feature Customer Service for our next "MMWD at Work" video/article and use it as an opportunity to further highlight the programs, including DRP. Expected completion date: 9/28/2018
7. Publishing the "MMWD at Work" article on our blog webpage that highlights the DRPs. Expected completion date: 9/28/2018

STRATEGIC PLAN ALIGNMENT:

The requested action aligns with the District's Strategic Plan Goal 2 - Financial Stewardship – We will prudently manage the public resources entrusted to us.

REVIEWED BY:	A.S.D Manager/Treasurer	X	NA	
	General Counsel		NA	X
	General Manager	X	NA	

ATTACHMENTS: [IF NONE, STATE NONE]

1. Service Charge Waiver Program For Low-Income Residents
2. Medically Disabled Water Rate Program



SERVICE CHARGE WAIVER PROGRAM FOR LOW-INCOME RESIDENTS

HOW TO QUALIFY AND APPLY

MMWD's Service Charge Waiver Program is for customers with a gross household income at or below 60% of the median Marin County low income level set by the Federal Department of Housing & Urban Development (FDHUD). Under this program the bimonthly meter service charge and watershed management fee are waived, so customers pay only for water used.

To qualify, you must:

- ✓ Have a gross annual household income at or below 60% of the median Marin County low income level set forth by the Federal Department of Housing & Urban Development and provide proof of same;
- ✓ Install water-efficient showerheads and faucet aerators in your home that meet MMWD code (free showerheads and aerators are available from MMWD);
- ✓ Be a single-family residential customer with a meter size no larger than 1 inch;
- ✓ Have the water service in your name (apartment complexes or mobile home parks with a master meter do not qualify); and
- ✓ Not be claimed as a dependent on another person's income tax return.

If you are interested, please fill out the attached application and return it to:

**Marin Municipal Water District
Customer Service Department
220 Nellen Avenue
Corte Madera, CA 94925**

Be sure to include proof that your gross income meets the low income requirements. To determine your eligibility, MMWD may need to request additional information and/or schedule an appointment for you to meet with one of our representatives at the district's business office.

If you have any questions about the program, please contact our Customer Service Department at **415-945-1400**. We will notify you in writing as to whether or not you qualify for this program. Please allow three weeks for your application to be processed.

Please note: The district reserves the right to request additional information at any time. While eligibility is normally for a one-year period, participation in the program can be revoked if a consumer does not meet all qualifying criteria as set forth in the district code.



SERVICE CHARGE WAIVER PROGRAM FOR LOW-INCOME RESIDENTS APPLICATION FORM

Application for calendar year 20____

Customer #:		Date:
Name:		Phone:
Address:	City:	Zip:
No. of residents in household:	Total gross household income:	

For proof of income, please provide a copy of each:

- Driver's license or State Identification Card; and
 - Last year's completed tax return and all year-end statements showing all income received.
- Our low-income program is based on the total gross household income of *all* residents living at the water service address. Household income is defined as all revenues, from all household members, from whatever source derived, whether taxable or non-taxable, including, but not limited to: wages, salaries, interest, dividends, spousal support and child support payments, public assistance payments, social security and pensions, rental income, income from self-employment, and all employment-related non-cash income. *The district reserves the right to request additional documentation if there are questions regarding total income.*

Please list documentation submitted for proof of income: _____

If neither you nor any other member of your household filed taxes, sign below certifying that no tax returns were filed last year. You must provide copies of year-end statements showing any income received (include taxable and non-taxable) from pensions, interest (i.e., savings accounts), Social Security benefits, etc.

This is to certify that my gross annual income is \$ _____ and that I did not file a California state or federal income tax return last year, and that no member of my household filed a California state or federal return last year.

Signature: _____ **Date:** _____

I declare under penalty of perjury that the foregoing is true and correct, and that I am a resident of the above service.

Signature: _____ **Date:** _____



SERVICE CHARGE WAIVER PROGRAM FOR LOW-INCOME RESIDENTS
LOW INCOME GUIDELINES
Effective July 2017

# in Household	Monthly Gross Household Income	Annual Gross Household Income
1	\$4,610	\$55,320
2	\$5,265	\$63,180
3	\$5,925	\$71,100
4	\$6,580	\$78,960
5	\$7,110	\$85,320
6	\$7,635	\$91,620
7	\$8,160	\$97,920
8 and up	\$8,690	\$104,280

MMWD's Service Charge Waiver Program is for customers with a gross household income at or below 60% of the Median Marin County low income level set by the Federal Department of Housing & Urban Development (FDHUD). Under this program the bimonthly meter service charge and watershed management fee are waived, so customers pay only for water used.

Gross household income is defined as all revenues, from all household members, from whatever source derived, whether taxable or non-taxable, including but not limited to: wages, salaries, interest, dividends, spousal support and child support payments, public assistance payments, social security and pensions, rental income, income from self-employment, and all employment-related, non-cash income.

Please note: Low income guidelines are subject to change periodically.



MEDICALLY DISABLED WATER RATE PROGRAM

HOW TO QUALIFY AND APPLY

Under MMWD's Medically Disabled Water Rate Program, the bimonthly meter service charge and watershed management fee are waived, and customers receive an additional twelve CCFs of water billed at the tier one rate. (One CCF, or hundred cubic feet, is 748 gallons.)

To qualify, you must:

- ✓ Establish your disability requiring use of additional amounts of water through doctor verification (form attached);
- ✓ Install water-efficient showerheads, toilets, and faucet aerators in your home that meet MMWD code (free showerheads and aerators are available from MMWD);
- ✓ Be a single-family residential customer with a meter size no larger than 1 inch;
- ✓ Have the water service in your name (apartment complexes or mobile home parks with a master meter do not qualify); and
- ✓ Not be claimed as a dependent on another person's income tax return.

To apply, please fill out the attached application form and return it to:

**Marin Municipal Water District
Customer Service Department
220 Nellen Avenue
Corte Madera, CA 94925**

Your application must include certification from your doctor as to your disability.

If you have any questions about the program, please contact our Customer Service Department at **415-945-1400**. We will notify you in writing as to whether or not you qualify for this program. Please allow three weeks for your application to be processed.

Please note: The district reserves the right to request additional information at any time. While eligibility is normally for a one-year period, participation in the program can be revoked if a consumer does not meet all qualifying criteria as set forth in the district code.

MMWD Code Section 6.01.100: ". . . The district may perform a water audit on any property of a consumer receiving the medically disabled water rate to assure that the consumer is in compliance with this section and other provisions in this Code pertaining to water conservation."



MEDICALLY DISABLED WATER RATE PROGRAM APPLICATION FORM

Application for calendar year 20__

Customer #:		Date:
Name:		Phone:
Address:	City:	Zip:

Please attach:

- Certification of Doctor of Medicine or Osteopathy Licensed to Practice Medicine in the State of California

I declare under penalty of perjury that the foregoing is true and correct.

Signature: _____ **Date:** _____

Please notify MMWD if the person qualifying for the Medically Disabled Water Rate Program moves to another service address.



MEDICALLY DISABLED WATER RATE PROGRAM
CERTIFICATION OF DOCTOR OF MEDICINE OR OSTEOPATHY
Licensed to Practice Medicine in the State of California

I certify that the medical condition and needs of _____,
(name of patient)
who is a full-time resident of the customer's household, are as follows:

All questions below must be completed:

1. Condition is: Permanent Temporary

If temporary, anticipated recovery date: _____

2. Patient is on a life-supporting device: Yes No

A life-supporting device is a medical device used to sustain life or relied upon for mobility. The term "life-supporting device" includes, but is not limited to, respirators, hemodialysis machines, suction machines, pressure pads and pumps, aerosol tents, electrostatic and ultrasonic nebulizers. Devices used for therapy rather than for life support generally do not qualify.

3. Does the patient's condition require the use of additional water? Yes No

Doctor's name (please print or type) _____

Doctor's signature _____

Office address _____

City, state, zip _____

Telephone _____

If you would like to provide more detail, please attach your signed statement.



STAFF REPORT

SUBJECT: Future Meeting Schedule

SUBMITTED BY: Krishna Kumar, General Manager

RECOMMENDED ACTION: Information

9-21 DOC, 9:30 a.m.
9-25 Board, 7:30 p.m.
9-27 Finance, 9:30 a.m.

10-02 Board, 7:30 p.m
10-10 Board, 10:00 a.m (Closed Session)
10-11 Watershed, 1:30 p.m.
10-16 Board, 7:30 p.m.
10-19 DOC, 9:30 a.m.
10-25 Finance, 9:30 a.m.