

# DOMESTIC WATER POLICY COMMITTEE AGENDA

**September 10, 2020 (8:30 a.m. – 9:30 a.m.)**

**Webinar Digital Platform or Phone Meeting**

<https://us02web.zoom.us/j/88374336871>

By phone: 1-669-900-9128

Webinar ID: 883 7433 6871

This meeting is being conducted via webinar for all Policy Committee members, pursuant to Executive Orders signed by Governor Gavin Newsom related to the ongoing COVID-19 pandemic, including provisions regarding the Brown Act. Members of the public, staff and committee members may join the meeting utilizing Zoom's webinar feature, or a phone number as provided in this agenda. Members of the public will continue to have the opportunity to provide public input via the webinar or phone features. Public comments can be submitted via email to [Jennifer.Wright@mid.org](mailto:Jennifer.Wright@mid.org). If public comments are submitted timely by email, then those comments will be identified during the public input section of the agenda or during a specific agenda item if the agenda item is identified in the email. The Brown Act does not require a member of the public to state her or his name; please indicate in your email if you would like your name stated or if you want to remain anonymous.

## **PUBLIC PARTICIPATION**

**The public may participate in this meeting in the two ways described below.**

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4. If you wish to speak under Business from the Public, or after the Chairman calls for Public Comment, press \*9 on your phone to "Raise Hand" or simply request to speak.

1. Call to Order/Roll Call  
(Three members needed for a quorum)
2. Public Comment  
Who: Public  
Expected Outcome: Interested persons are welcome to introduce any topic within the Committee's jurisdiction. Matters presented under this heading may be discussed but no action will be taken by the Committee at this meeting.
3. Topic: Approve 10/3/19 Meeting Minutes [Action Item]  
Who: Bill Zoslocki, Committee  
Expected Outcome: Approval
4. Topic: Approve 2021 Capital and O&M Budget for Domestic Water [Action Item]  
Who: Josh Foster, Committee  
Expected Outcome: Discussion
5. Topic: Domestic Water Project Update  
Who: Josh Foster, Committee  
Expected Outcome: Discussion
6. Next Meeting  
TBD
7. Items too late for the agenda

# DOMESTIC WATER POLICY COMMITTEE MEETING MINUTES

October 3, 2019

## 1. Call to Order

Brandvold called the meeting to order at approximately 8:33 a.m.

## 2. Roll Call

Present:

Modesto Irrigation District (MID): Nick Blom

Modesto Irrigation District (MID): Stu Gilman, Vice-Chairman

City of Modesto: Ted Brandvold

Other Attendees:

Jeremiah Loveland, MID

Christina Ulloa, MID

John Davids, MID

Jessica Stillwell, MID

## 3. Business from the Public

N/A

## 4. Approve 7/11/19 Minutes [Action item]

Brandvold moved, 2<sup>nd</sup> by Blom, to approve 7/11/19 meeting minutes. Motion carried.

## 5. Electrical Outage Update and Findings

Jeremiah Loveland stated the outages which occurred earlier in the year were found to have been caused by a lightning strike. The damaged relay was sent out for repair and a new relay was installed. The repaired relay is onsite as a spare if needed. Hart High Voltage and MID performed an audit of equipment onsite. Audit findings indicate that the electronics in the switchgear will need to be replaced as they will no longer be supported at the conclusion of 2019. Hart High Voltage, Schweitzer Engineering and MID have created a proposal for 2020 to upgrade the electronics in the switchgear so they are supported, will have additional alarms and are consistent with existing MID electrical infrastructure.

## **6. Approve 2020 O&M and Capital Budget for Domestic Water**

Dauids stated the 2020 O&M and Capital Budget for Domestic Water were reviewed and approved by the Technical Committee on August 20, 2019 and were reviewed by MID at the August 13 and August 27 MID Board meetings. The budget will be reviewed by the MID Board in the following week. The O&M budget overall has a reduction of approximately 3% which is attributed to a thorough review of actuals in previous years that has allowed for a more accurate budget assessment. The capital budget has an increase of \$580,000 of which \$440,000 is for the switchgear replacement project previously discussed by Loveland. Overall, the budgets have increased by 1.6%.

Brandvold called for a motion to approve the 2020 O&M and Capital Budget for Domestic Water. Moved by Gilman, seconded by Blom. Motion passed unanimously.

## **7. Domestic Water Project Update**

Stillwell stated the daily average delivery for the third quarter of 2019 spanning from July 1<sup>st</sup> through September 30<sup>th</sup> was 23.2 MGD from the conventional plant and 13.2 MGD from the membrane plant with average combined delivery up to 36.4 MGD. Demand was consistently met as requested by the City.

The study utilizing aluminum chlorohydrate (ACH) at the plant continues. The State received preliminary data from the utilization of ACH on the conventional plant and has approved the start of testing ACH on the membrane plant. Currently alum is being used on the membrane plant; introducing ACH on the membrane plant will allow a more accurate representation of continuity of chemical usage between both plants. Permanent use of ACH is pending a final report that will be produced at the conclusion of the second phase of the study.

The one-year engineering report which contained statistical data regarding water quality, plant performance and any complications and subsequent resolutions was approved by the State Division of Drinking Water on August 6, 2019.

## **8. Review and Take Possible Action on Frequency of Committee Meetings**

Dauids noted that the Amended and Restated Treatment and Delivery Agreement (ARTDA) requirements indicate that the Policy Committee must meet no less than twice per year. Given the reduction in capital work, it was recommended that the meeting frequency be changed to twice per year; reserving the option of calling a special meeting as needed. Brandvold called for a motion to approve a change in the frequency of committee meetings

to twice per year; reserving the option of calling a special meeting as needed. Moved by Gilman, seconded by Blom. Motion passed unanimously.

**9. Proposed Future Policy Committee Meetings**

- April 2, 2020 8:30 a.m. (MRWTP Conference Room)
- October 1, 2020 8:30 a.m. (MID Board Room)



**Draft**  
 2021 O&M Budget  
 Division Summary  
 OM - DOMESTIC WATER DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Proposed Budget	Proposed Budget	Prev. Budget to Current Budget
3XX470 PRJ - Domestic Water Admin	467,683	795,560	809,953	849,183	1.8%
3XX471 PRJ - Domestic Water A&G	2,636,105	3,266,890	3,358,252	3,503,733	2.8%
3XX472 PRJ - Domestic Water Operations	3,658,141	4,377,825	4,388,175	4,535,305	0.2%
3XX473 PRJ - Domestic Water Laboratory	363,868	516,345	568,364	589,338	10.1%
3XX474 PRJ - Domestic Water Maintenance	2,058,826	3,275,902	2,968,581	3,068,745	-9.4%
<b>OM - 8150 OM - Modesto Domestic Water</b>	<b>9,184,624</b>	<b>12,232,522</b>	<b>12,093,324</b>	<b>12,546,304</b>	<b>-1.1%</b>
<b>OM - 81 OM - DOMESTIC WATER DIVISION</b>	<b>\$9,184,624</b>	<b>\$12,232,522</b>	<b>\$12,093,324</b>	<b>\$12,546,304</b>	<b>-1.1%</b>

**Preliminary**



# Draft

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX470

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Domestic Water Admin

	2019	2020	2021	2022	% Change
	Actual	Budget	Proposed Budget	Proposed Budget	Current Budget
Labor & Benefits	55,935	407,268	416,609	433,060	2%
Labor Vacancy	0	-106,708	-109,156	-113,466	2%
Materials & Supplies	23,242	15,000	20,000	20,600	33%
Outside Services	180,889	275,000	250,000	257,500	-9%
Seminars & Meetings	0	5,000	7,500	7,725	50%
Administrative & General	207,617	200,000	225,000	243,764	13%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>467,683</b>	<b>795,560</b>	<b>809,953</b>	<b>849,183</b>	<b>2%</b>

**Project Description:** Modesto Regional Water Treatment Plant Administration.

**Notes:** Provide Management and support staff for the MRWTP. Materials & Supplies: office supplies & equipment rental; A&G: SWRCB Fees and Water Treatment Plant insurance. Outside Services: Guard at TR and anticipated miscellaneous consultant costs related to design, water quality, emergency response and health and safety.

**Applicable Policy:** State and Federal Water Quality Standards.

# Preliminary



# Draft

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX471

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Domestic Water A&G

	2019	2020	2021	2022	% Change
	Actual	Budget	Proposed Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	10,500	0	10,000	10,600	10,000%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,625,605	3,266,890	3,348,252	3,493,133	2%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>2,636,105</b>	<b>3,266,890</b>	<b>3,358,252</b>	<b>3,503,733</b>	<b>3%</b>

**Project Description:** Administrative and General Overhead for District Support of the Modesto Regional Water Treatment Plant.

**Notes:** District provides services (such as HR, IT, Risk & Property) that support the plant and staff. Water Quality, emergency response, health and safety contingency fund.

**Applicable Policy:** State and Federal Water Quality Standards and ARTDA.

# Preliminary





# Draft

## 2021 O&M Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: 3XX472

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - Domestic Water Operations

	2019	2020	2021	2022	% Change
	Actual	Budget	Proposed Budget	Proposed Budget	Current Budget
Labor & Benefits	1,413,502	1,599,798	1,636,480	1,701,089	2%
Materials & Supplies	1,252,399	1,504,069	1,440,000	1,483,170	-4%
Outside Services	171	53,045	53,045	54,636	0%
Seminars & Meetings	4,263	15,914	17,500	18,025	10%
Administrative & General	982,663	1,200,000	1,236,000	1,273,080	3%
MID Equipment	5,144	5,000	5,150	5,305	3%
<b>Totals</b>	<b>3,658,142</b>	<b>4,377,826</b>	<b>4,388,175</b>	<b>4,535,305</b>	<b>0%</b>

**Project Description:** WTP Operating costs for chemicals, energy, and outside contracts for conventional and membrane operation.

**Notes:** Produce drinking water for residents of the City. Materials & Supplies: Treatment chemicals and raw water; Outside Services: Solids handling. A&G: electricity.

**Applicable Policy:** State and Federal Drinking Water Standards.

# Preliminary



# Draft

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX473

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Domestic Water Laboratory

	2019	2020	2021	2022	% Change
	Actual	Budget	Proposed Budget	Proposed Budget	Current Budget
Labor & Benefits	273,228	404,575	413,864	430,203	2%
Materials & Supplies	38,676	72,000	80,000	82,400	11%
Outside Services	43,105	25,000	55,000	56,650	120%
Seminars & Meetings	1,954	4,770	7,500	7,725	57%
Administrative & General	6,906	10,000	12,000	12,360	20%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>363,869</b>	<b>516,345</b>	<b>568,364</b>	<b>589,338</b>	<b>10%</b>

**Project Description:** Modesto Regional Water Treatment Plant Laboratory.

**Notes:** Process control and regulatory compliance. Materials & Supplies: lab chemicals & supplies; Outside Services: contract lab services; A&G: lab certification, regulatory and permit fees. Decrease in outside services due to charges captured in capital.

**Applicable Policy:** State and Federal Drinking Water Standards and AWWA Standards.

# Preliminary



# Draft

## 2021 O&M Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: 3XX474

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - Domestic Water Maintenance

	2019	2020	2021	2022	% Change
	Actual	Budget	Proposed Budget	Proposed Budget	Current Budget
Labor & Benefits	1,125,981	1,145,293	1,171,581	1,217,835	2%
Materials & Supplies	359,579	500,000	515,000	530,450	3%
Outside Services	515,396	1,600,000	1,250,000	1,287,500	-22%
Seminars & Meetings	0	10,000	7,000	7,210	-30%
Administrative & General	50,252	10,609	15,000	15,450	41%
MID Equipment	7,618	10,000	10,000	10,300	0%
<b>Totals</b>	<b>2,058,826</b>	<b>3,275,902</b>	<b>2,968,581</b>	<b>3,068,745</b>	<b>-9%</b>

**Project Description:** Modesto Regional Water Treatment Plant Maintenance including additional costs for sludge disposal; spare parts.

**Notes:** Maintain WTP. Materials & Supplies: Parts for electric equipment; chemicals.

**Applicable Policy:** State and Federal water quality standards.

# Preliminary



**Draft**

**2021 Capital Budget  
Division Summary  
CAP - DOMESTIC WATER DIVISION**

Project	2021 Proposed Budget
U00116 PRJ - New Office Area Carpeting	15,000
U00117 PRJ - Boom Lift	100,000
U00118 PRJ - Replace Turbimeters	105,000
U00119 PRJ - TRPS Air Conditioner	75,000
U00120 PRJ - SCADA PC's Server Upgrades	150,000
U00121 PRJ - Chemical Dose Automation	100,000
U00122 PRJ - Filter Basin Replacement	350,000
U00123 PRJ - Parker THM Analyzer	50,000
U00124 PRJ - Ion Selective Electrode Benchtop Meter	7,000
U00225 PRJ - New Flooring	30,000
U00226 PRJ - New Faucets	5,000
<b>CAP - 8150 CAP - Modesto Domestic Water</b>	<b>987,000</b>
<b>CAP - 81 CAP - DOMESTIC WATER DIVISION</b>	<b>987,000</b>

**Preliminary**



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00116

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - New Office Area Carpeting

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	15,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>15,000</b>

**Project Description**      Replace carpet in office areas.

**Project Justification**      Carpet is original and lifting up in some areas; potential trip hazard.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00117

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - Boom Lift

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	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	100,000

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**Project Description** Purchase boom lift for WTP maintenance.

**Project Justification** Eliminate rental fees and have lift readily available for major maintenance repairs.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00118

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - Replace Turbidimeters

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	105,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>105,000</b>

**Project Description**      Replace turbidimeters.

**Project Justification**      Current turbidimeters are outdated and no longer have support.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00119

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - TRPS Air Conditioner

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	75,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>75,000</b>

**Project Description**      Replace TRPS A/C.

**Project Justification**      A/C unit at the TR station is outdated.





# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00120

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - SCADA PC's Server Upgrades

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	150,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>150,000</b>

**Project Description**      Upgrades for SCADA PC's/Server upgrades.

**Project Justification**      SCADA PC's and servers are original systems; upgrade needed in order to automate plant components.



# Draft

## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** U00121

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Chemical Dose Automation

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>100,000</b>

**Project Description**      Install components to automate the chemical delivery systems.

**Project Justification**      Chemical dose automation will automate and more accurately report individual process usages and generate reports for the state.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00122

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - Filter Basin Replacement

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	350,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>350,000</b>

**Project Description**      Filter basin replacement.

**Project Justification**      Current filter media and under drains are at the end of useful life.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00123

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - Parker THM Analyzer

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	50,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>50,000</b>

**Project Description**      Purchase Parker THM Analyzer

**Project Justification**      Purchase of a THM analyzer gives us the ability to test Trihalomethanes in-house rather than relying on outside labs with a longer turn around time.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00124

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - Ion Selective Electrode Benchtop Meter

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	7,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>7,000</b>

**Project Description**      Purchase new Ion Selective Electrode benchtop meter.

**Project Justification**      The Orion benchtop meter is the original meter from 1995 and the technology is unsupported.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00225

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - New Flooring

	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>30,000</b>

**Project Description**      Replace flooring in WTP lab.

**Project Justification**      The rubber lab flooring is the original and has normal wear and tear.



# Draft

## 2021 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION  
Project Number: U00226

Department: 8150 Modesto Domestic Water  
Project Title: PRJ - New Faucets

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	2021 Proposed Budget
Labor & Benefits	0
Materials & Supplies	5,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	5,000

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**Project Description**      Replace new faucets in WTP lab.

**Project Justification**      Lab faucets are original and corroding/leaking.