*"Dedicated to providing a safe wastewater collection and treatment service at fair and reasonable rates for the community of Murphys, preserving and protecting our environment for future generations."*

**Regular Board Meeting**
**Thursday September 10, 2026**
**10:00 a.m.**

**District Office**
**15 Ernest Street, Suite A**
**Murphys, CA 95247**

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# AGENDA

*Agenda Material can be viewed at our website at www.murphyssd.org.*
*Board meetings are open to the public and the following alternative is available for those who wish to participate in the meeting virtually:*

**Microsoft Teams meeting**
**Join: https://teams.microsoft.com/meet/276040642859117?p=IrQAY7yYgJ6mndCS19**
**Meeting ID: 276 040 642 859 117**
**Passcode: ac6oV3NP**

**Dial in by phone**
**+1 872-242-9031,,959580056#**
**Phone conference ID: 959 580 056#**

***In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Murphys Sanitary District at 209-728-3094. Notification in advance of the meeting will enable MSD to make reasonable arrangements to ensure accessibility to this meeting. Any documents that are made available to the Board before or at the meeting, not privileged or otherwise protected from disclosure, and related to agenda items, will be made available at MSD for review by the public.***

1. **Call to Order and Pledge of Allegiance**
2. **Roll Call**
3. **Public Comment** *(Limit 5 minutes per person) on items not appearing on the agenda. At this time, members of the public may address the Board on any non-agendized item. The public is encouraged to work through staff to place items on the agenda for Board consideration. No action can be taken on matters not listed on the agenda.*
4. **Consent Agenda -** *The following items are expected to be routine non-controversial. Items will be acted upon by the Board at one time without discussion. Any Board member, staff member, or interested party may request that any item be removed for discussion.*
   a) Regular/Special Meeting Minutes-July 16, 2026
   b) Financial Reports-Ending July 2026 – August 2026

5. **New Business** - *The Board may consider the items below and take action at this meeting. Public comment is allowed on each individual agenda item listed below, and such comments will be considered in advance of each Board action.* ****Indicates Staff Report***
   a) Consideration of Purchase to Upgrade to New Ares Aerators – Discussion/Action*
   b) Consideration of Purchase of New District Vehicle-Discussion/Action*
   c) Adoption of Resolution 2026-08 Updated SDRMA Employee Memorandum of Understanding-Discussion/Action*
   d) Adoption of Resolution 2026-09 Authorizing Administration Manager to Enter into CWSRF Loan Agreement-Discussion/Action*
   e) Tree Stump Removal at the District Office-Discussion Only
6. **Unfinished Business** - *Items tabled or carried forward from a previous meeting to be considered on this agenda. Public comment is allowed on each individual agenda item listed below, and such comments will be considered in advance of each Board action.*
   a) Update on Algiers Street Project-Dan Murphy

7. **Committee Reports** - *Informational reports on committee meetings. Committees may recommend a future item be placed on the next meeting agenda for Board action.*

8. **Staff Reports** - *Brief reports on information of matters of general interest. No action will be taken by the Board during Staff Reports.*
   a) Administration Manager
   b) Operations Manager

9. **Future Agenda Items/Director Comments**
*Board members and/or staff can comment on district business or request a future item be placed on the next meeting agenda. No action or discussion will be taken by the Board.*

10. **Next Regular/Special Meeting/Important Dates:**
    a) Regular Quarterly Board Meeting-December 10, 2026

11. **ADJOURN TO CLOSED SESSION**
    a) Public Employee Performance Evaluation (Government Code 54957(b)(1)
       Title: Operations Manager
       Title: Administration Manager

12. **RETURN FROM CLOSED SESSION**
    Reportable Action in Closed Session

13. **Adjournment**

*"Dedicated to providing a safe wastewater collection and treatment service at fair and reasonable rates for the community of Murphys, preserving and protecting our environment for future generations."*

**Special Board Meeting**
**Thursday July 16, 2026**
**10:00 a.m.**

**District Office**
**15 Ernest Street, Suite A**
**Murphys, CA 95247**

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1. **Call to Order - *10:00 a.m.***

   **Pledge of Allegiance**

2. **Roll Call**

   ***Director's Present***
   ***Director Mellera; Director Gonzales; Director Fontana & President McMath-Jue (Late w/notice, arrival 10:04 a.m.)***

   ***Staff Present***
   ***K. Fillmore, Admin. Manager; D. Murphy, Operations Manager; A. Milliken, Accounting/Board Clerk***

   ***Public Present***
   ***"Michael", via remote***

3. **Public Comment - *None***

4. **Consent Agenda**

   a) **Regular Meeting Minutes-June 11, 2026**
   b) **Financial Reports-Ending June 30, 2026**

***Motion: Director J. Fontana & Director S. Gonzales motion to accept the Consent Agenda as presented; Regular Board Meeting Minutes, June 11, 2026 & Financial Reports, June 30, 2026:***

***"No Public Comment"***

***Ayes: 4***
***Nays: None***
***Abstain: None***
***Absent: None***
***Vacancy: 1***

***Motion Passes -(4) Ayes (1) Vacancy (0) Nays***

5. **New Business**

a) **Public Hearing Assembly Bill 2561 (AB2561)-Regarding status of job vacancies, recruitment, and retention efforts.**

***"No Public Comment"***

***Motion: Director J. Fontana & M. Mellera motion to accept and file Assembly Bill AB2561:***

***Ayes: Director Gonzales; Director Fontana; Director Mellera; President McMath-Jue***
***Nays: None***
***Abstain: None***
***Absent: None***
***Vacancy: 1***

***Roll Call Vote – (4) Ayes (0) Absent (1) Vacancy (0) Nays***

b) **Adoption of Resolution 2026-06 Wage Scale Fiscal Year 26/27**

***Motion: President P. McMath-Jue & Director J. Fontana motion to Adopt and Approve Resolution 2026-06 Wage Scale Fiscal Year 26/27 as presented.***

***"No Public Comment"***

***Ayes: 4***
***Nays: None***
***Abstain: None***
***Absent: None***
***Vacancy: 1***

***Motion Passes -(4) Ayes (1) Vacancy (0) Nays***

c) **Adoption of Resolution No. 2026-07- Adopting the Fiscal Year 2026-2027 Operating Budget**
- **Brief Presentation by K. Fillmore**

**Motion: Director J. Fontana & S. Gonzales motion to Adopt Resolution No. 2026-07 Fiscal Year 2026-2027 Operating Budget as presented:**

***"No Public Comment"***

***Ayes: 4***
***Nays: None***
***Abstain: None***
***Absent: None***
***Vacancy: 1***

***Motion Passes -(4) Ayes (1) Vacancy (0) Nays***

6. **Unfinished Business** - ***None***

7. **Committee Reports -** ***None***

8. **Staff Reports -** ***Handout included in Board Packet***

    a) **Administration Manager**
    b) **Operations Manager**

9. **Future Agenda Items/Director Comments -** ***Algiers St Easement Update; Remove tree stump in back parking lot.***

10. **Next Regular/Special Meeting/Important Dates**

    a) ***Regular Quarterly Board Meeting-September 10, 2026 @ 10:00 a.m.***

11. **ADJOURN TO CLOSED SESSION -** ***11:02 a.m.***

    a) **Public Employee Performance Evaluation (Government Code 54957(b)(1)**
    **Title: Operations Manager**
    **Title: Administration Manager**

12. **RETURN FROM CLOSED SESSION -** ***12:25 p.m.***

    ***-Board to review evaluation findings and write up a report to be completed within a week, no action.***

13. **Adjournment -** ***12:26 p.m.***

**Respectfully;**

| | |
|---|---|
| ______________________________ | ______________________________ |
| **Director S. Gonzales, Secretary** | **Amy R Milliken, Clerk of the Board** |

# Murphys Sanitary District Operating and Reserve
## Balance Summary
**As of July 31, 2026**

| | Rates | July 2026 |
|---|---|---|
| **Five Star Operating Fund** | **2%** | 174,782.37 |
| **Eldorado Operating Fund** | **0.02%** | 6,427.81 |
| **Cash Drawer** | | 200.00 |
| **District Investments** | | |
| **CA Class Capital Reserve** | **3.74%** | 1,178,538.68 |
| **CA Class Special Use** | **3.74%** | 108,019.05 |
| **CA Class Equip R&R** | **3.74%** | 160,885.86 |
| **Five Star Money Market** | **3.89%** | 405,687.23 |
| **LAIF** | **3.89%** | 64,183.96 |
| **Total District Investments** | | 1,917,314.78 |
| **Total Operating and Reserve Fund Balances** | | 2,098,724.96 |

# Murphys Sanitary District Operating and Reserve
## Balance Summary
As of August 31, 2026

| | Rates | August 2026 |
|---|---|---|
| **Five Star Operating Fund** | **2%** | 187,621.82 |
| **Eldorado Operating Fund** | **0.02%** | 7,724.22 |
| **Cash Drawer** | | 200.00 |
| **District Investments** | | |
| **CA Class Capital Reserve** | **3.74%** | 1,182,289.89 |
| **CA Class Special Use** | **3.74%** | 108,362.87 |
| **CA Class Equip R&R** | **3.74%** | 161,397.95 |
| **Five Star Money Market** | **3.93%** | 407,009.74 |
| **LAIF** | **3.93%** | 63,563.47 |
| **Total District Investments** | | 1,922,623.92 |
| **Total Operating and Reserve Fund Balances** | | 2,118,169.96 |

9:33 AM
09/04/26
Accrual Basis

# Murphys Sanitary District
# Profit & Loss Budget vs. Actual
## July through August 2026

| | Jul - Aug 26 | Budget | $ Over Budget | % of Budget |
|---|---|---|---|---|
| **Ordinary Income/Expense** | | | | |
| **Income** | | | | |
| **Monthly Billing** | 197,802.06 | 1,189,717.00 | -991,914.94 | 16.6% |
| **Misc Income** | 15,485.12 | 186,830.00 | -171,344.88 | 8.3% |
| **Total Income** | 213,287.18 | 1,376,547.00 | -1,163,259.82 | 15.5% |
| **Gross Profit** | 213,287.18 | 1,376,547.00 | -1,163,259.82 | 15.5% |
| **Expense** | | | | |
| **Wages** | 79,296.79 | 507,644.00 | -428,347.21 | 15.6% |
| **Employee Benefits** | 61,681.59 | 290,229.00 | -228,547.41 | 21.3% |
| **PR Taxes** | 6,482.24 | 37,000.00 | -30,517.76 | 17.5% |
| **WORKERS' COMPENSATION** | 16,536.27 | 16,540.00 | -3.73 | 100.0% |
| **OPERATIONS - Maint & Repairs** | 13,844.27 | 19,000.00 | -5,155.73 | 72.9% |
| **OPERATIONS - Supplies** | 7,338.41 | 52,500.00 | -45,161.59 | 14.0% |
| **OPERATIONS - Utilities** | 12,343.06 | 83,500.00 | -71,156.94 | 14.8% |
| **OPERATIONS - Other** | 3,929.40 | 39,300.00 | -35,370.60 | 10.0% |
| **ADMINISTRATIVE - Rents - Leases** | 720.00 | 720.00 | 0.00 | 100.0% |
| **ADMINISTRATIVE - Supplies** | 2,121.74 | 15,600.00 | -13,478.26 | 13.6% |
| **ADMINISTRATIVE - Utilities** | 1,318.06 | 10,200.00 | -8,881.94 | 12.9% |
| **ADMINISTRATIVE - Other** | 2,750.87 | 17,900.00 | -15,149.13 | 15.4% |
| **ADMINISTRATIVE - Insurance** | 47,642.15 | 48,772.00 | -1,129.85 | 97.7% |
| **ADMINISTRATIVE – Professional** | 1,268.23 | 39,500.00 | -38,231.77 | 3.2% |
| **ADMINISTRATIVE - License-Permit** | 0.00 | 45,000.00 | -45,000.00 | 0.0% |
| **ADMINISTRATIVE - Advertising** | 0.00 | 2,200.00 | -2,200.00 | 0.0% |
| **ADMINISTRATIVE - Debt Service** | 0.00 | 43,670.00 | -43,670.00 | 0.0% |
| **Total Expense** | 257,273.08 | 1,269,275.00 | -1,012,001.92 | 20.3% |
| **Net Ordinary Income** | -43,985.90 | 107,272.00 | -151,257.90 | -41.0% |
| **Other Income/Expense** | | | | |
| **Other Income** | | | | |
| **RESERVE INCOME** | 12,429.46 | 70,000.00 | -57,570.54 | 17.8% |
| **Total Other Income** | 12,429.46 | 70,000.00 | -57,570.54 | 17.8% |
| **Other Expense** | | | | |
| **RESERVE EXPENDITURES** | 2,566.00 | 0.00 | 2,566.00 | 100.0% |
| **Total Other Expense** | 2,566.00 | 0.00 | 2,566.00 | 100.0% |
| **Net Other Income** | 9,863.46 | 70,000.00 | -60,136.54 | 14.1% |
| **Net Income** | **-34,122.44** | **177,272.00** | **-211,394.44** | **-19.2%** |

# Murphys Sanitary District
# Expense Disbursement Report
## July through August 2026

| | Date | Num | Name | Memo | Amount |
|---|---|---|---|---|---|
| **Jul - Aug 26** | | | | | |
| | 07/08/2026 | ACH | Vanco Services | Returned VANCO Incorrect Acct#MIL0025 | -61.80 |
| | 07/09/2026 | ACH | QuickBooks Payroll Service | Created by Payroll Service on 07/08/2026 | -15,347.91 |
| | 07/23/2026 | ACH | QuickBooks Payroll Service | Created by Payroll Service on 07/22/2026 | -15,481.96 |
| | 07/23/2026 | ACH | QuickBooks Payroll Service | Created by Payroll Service on 07/22/2026 | -1,664.95 |
| | 08/06/2026 | ACH | QuickBooks Payroll Service | Created by Payroll Service on 08/05/2026 | -14,731.17 |
| | 08/20/2026 | ACH | QuickBooks Payroll Service | Created by Payroll Service on 08/19/2026 | -15,031.71 |
| | 08/28/2026 | ACH | Vanco Services | Returned NSF GHI0001 | -80.00 |
| | 08/28/2026 | ACH | Vanco Services | Acct Closed #GIL0002 | -80.00 |
| | 07/09/2026 | ACH | Cardmember Services | Business Card | -3,374.93 |
| | 07/20/2026 | ACH | Cardmember Services | Business Card | -2,826.30 |
| | 07/21/2026 | ACH | UPUD | 735 Six Mile Rd - Acct#006179-000 | -205.33 |
| | 07/21/2026 | ACH | UPUD | 26 Emerald Creek Ct - M Acct#006855-001 | -98.06 |
| | 07/21/2026 | ACH | UPUD | 15 Ernest St - M Acct#06855-003 | -163.26 |
| | 07/21/2026 | ACH | UPUD | 735 Six Mile Rd - Acct#006176-000 | -383.95 |
| | 07/08/2026 | ACH | Vanco Services | Monthly Service Fee | -228.75 |
| | 07/10/2026 | ACH | CalPERS | Unfunded Accrued Liability | -840.17 |
| | 08/31/2026 | ACH | UPUD | 15 Ernest St - M Acct#006855-003 | -171.25 |
| | 08/24/2026 | ACH | UPUD | 26 Emerald Ct - M Acct#006855-001 | -92.98 |
| | 08/31/2026 | ACH | UPUD | 735 Six Mile Rd - Acct#006176-000 | -383.95 |
| | 08/24/2026 | ACH | UPUD | 735 Six Mile Rd - M Acct#006179-000 | -191.43 |
| | 08/20/2026 | ACH | Cardmember Services | Business Card | -5,941.89 |
| | 08/07/2026 | ACH | Vanco Services | Monthly Service Charge | -131.75 |
| | 08/18/2026 | ACH | CalPERS | Unfunded Accrued Liability | -840.17 |
| | 08/26/2026 | ACH | CalPERS | Admin Fee | -200.00 |
| | 07/09/2026 | E-pay | EDD | 925 0399 4 QB Tracking # 2129985118 QB Track | -845.98 |
| | 07/23/2026 | E-pay | EDD | 925 0399 4 QB Tracking # 959806822 | -1.30 |
| | 07/23/2026 | E-pay | EDD | 925 0399 4 QB Tracking # 959922822 | -957.78 |
| | 08/06/2026 | E-pay | EDD | 925 0399 4 QB Tracking # 2012741822 | -887.90 |
| | 08/20/2026 | E-pay | EDD | 925 0399 4 QB Tracking # -1560458474 | -836.96 |
| | 07/09/2026 | E-pay | CalPERS | Retirement Contributions | -3,024.20 |
| | 08/20/2026 | E-pay | CalPERS | Retirement Contributions | -3,447.05 |
| | 07/24/2026 | E-pay | CalPERS | Retirement Contributions | -3,459.23 |
| | 07/09/2026 | E-pay | EFTPS Federal Taxes | 94-1569552 | -4,370.16 |
| | 08/06/2026 | E-pay | CalPERS | Retirement Contributions | -3,444.64 |
| | 08/20/2026 | E-pay | EFTPS Federal Taxes | 94-1569552 | -4,282.84 |
| | 07/23/2026 | E-pay | EFTPS Federal Taxes | 94-1569552 | -15.30 |
| | 07/23/2026 | E-pay | EFTPS Federal Taxes | 94-1569552 | -4,790.52 |
| | 08/06/2026 | E-pay | EFTPS Federal Taxes | 94-1569552 | -4,413.66 |
| | 08/03/2026 | 010000 | Western Utilities Underground Ale | Annual Membership - 2026-2027 | -60.00 |
| | 08/03/2026 | 010001 | Mountain Oasis Water | Drinking Water | -142.15 |
| | 08/03/2026 | 010004 | Vestis | Uniform Service | -360.41 |
| | 07/06/2026 | 12729 | Alpha | Research & Monitoring | -471.00 |

**VOIDED Checks: Misprints**

# Murphys Sanitary District
# Expense Disbursement Report
## July through August 2026

| Date | Num | Name | Memo | Amount |
|---|---|---|---|---|
| 07/06/2026 | 12730 | Comcast- Emerald Creek | Alarm Access - Emerald Creek | -132.67 |
| 07/06/2026 | 12731 | Mountain Oasis Water | Drinking Water | -112.75 |
| 07/06/2026 | 12732 | Civic Plus LLC | Web-Hosting | -209.60 |
| 07/06/2026 | 12733 | MGR Lease - Judy Twisselman | Murphys Grade Rd - Lease | -240.00 |
| 07/06/2026 | 12734 | MGR Lease - Richard Tanner | Murphys Grade Rd - Lease | -240.00 |
| 07/06/2026 | 12735 | MGR Lease - Ronald Tanner | Murphys Grade Rd - Lease | -240.00 |
| 07/08/2026 | 12736 | Calaveras Lumber | WWTP Supplies | -235.42 |
| 07/08/2026 | 12737 | Calaveras Power Agency | WWTP - Electric | -5,272.14 |
| 07/08/2026 | 12738 | Mother Lode Answering Service | Answering Service | -419.00 |
| 07/08/2026 | 12739 | Quadient Finance USA | Postage | -1,000.00 |
| 07/08/2026 | 12740 | SDRMA | Group Health | -16,283.67 |
| 07/15/2026 | 12741 | Vestis | Uniform Service | -284.98 |
| 07/15/2026 | 12742 | Cal Waste Management | Trash/Waste | -201.12 |
| 07/15/2026 | 12743 | The Red Store | Misc Items - Pipe, Couplers PCV Valve Batteries | -530.06 |
| 07/16/2026 | 12744 | Gonzales, Steven M | Board Stipend | -91.05 |
| 07/22/2026 | 12745 | WIZIX Techonlogy | Copier Service | -60.95 |
| 07/22/2026 | 12746 | PGE-Office | Office - Electric | -160.88 |
| 07/22/2026 | 12747 | PGE-Emerald Creek Pump Statio | Electric - Emerald Creek | -357.23 |
| 07/22/2026 | 12748 | Comcast Business | Office - Internet/Phone | -291.01 |
| 07/22/2026 | 12749 | USA North | 2026 Annual Membership | -300.00 |
| 08/06/2026 | 12750 | Umar A Mujahid | Allpaid Refund to Customer | -175.00 |
| 08/06/2026 | 12751 | Bruce Whittle Electric | Flow Meter -Calibration | -1,200.00 |
| 08/06/2026 | 12752 | Hansford Economic Consulting Ll | Consulting Services | -252.50 |
| 08/06/2026 | 12753 | Bruce Whittle Electric | Flow Meter -Calibration | -11,000.00 |
| 08/06/2026 | 12754 | Sierra Hills Market | Misc Office | -2.99 |
| 08/06/2026 | 12755 | MIL0021 | MIL0021 - Sold Prorated/Refund | -40.05 |
| 08/07/2026 | 12756 | AALR & R Attorneys at Law | Legal Counsel | -760.73 |
| 08/07/2026 | 12757 | Alpha | Research & Monitoring | -1,681.00 |
| 08/07/2026 | 12758 | Black Water Consulting Engineer | WWTP Upgrade II - CWSRF Loan Application | -1,657.50 |
| 08/07/2026 | 12759 | CALNET | Alarm Access - Murphys Grade | -32.17 |
| 08/07/2026 | 12760 | Comcast- Emerald Creek | Emerald Creek - Alarm Access Line | -133.35 |
| 08/07/2026 | 12761 | Black Water Consulting Engineer | CIP Project 6 Sewer Improvements | -908.50 |
| 08/07/2026 | 12762 | Northstar Chemical | Chemicals | -4,442.84 |
| 08/10/2026 | 12763 | CRWA | Annual Membership - 2026/2027 | -1,042.00 |
| 08/11/2026 | 12764 | Cal Waste Management | Six mile Rd - Trash/Waste | -207.86 |
| 08/11/2026 | 12765 | Calaveras Lumber | WWTP Supplies | -255.63 |
| 08/11/2026 | 12766 | Calaveras Power Agency | WWTP - Electric | -4,080.26 |
| 08/11/2026 | 12767 | Mother Lode Answering Service | Answering Service | -419.00 |
| 08/11/2026 | 12768 | SDRMA | Grp Health | -16,283.67 |
| 08/11/2026 | 12769 | The Red Store | Misc Supplies | -33.38 |
| 08/12/2026 | 12770 | Jay Ashley | Computer Software/Backup Server Repair & Upda | -170.00 |
| 08/13/2026 | 12771 | Jay Ashley | Computer Software for Quickbooks /Server Repai | -85.00 |
| 08/17/2026 | 12772 | US Bank | Business Card | -119.88 |

**VOIDED Checks: Misprints**

# Murphys Sanitary District
# Expense Disbursement Report
## July through August 2026

| | Date | Num | Name | Memo | Amount |
|---|---|---|---|---|---|
| | 08/17/2026 | 12773 | Quadient Finance USA | Postage Meter/Postage | -123.93 |
| | 08/18/2026 | 12774 | PGE-Emerald Creek Pump Statio | Emerald Creek - Electric | -362.20 |
| | 08/18/2026 | 12775 | PGE-Office | Office - Electric | -240.65 |
| | 08/18/2026 | 12776 | WIZIX Technonlogy | Copy Machine - Office | -26.50 |
| | 08/18/2026 | 12777 | WIZIX Technonlogy | Copy Machine - Six Mile | -9.14 |
| | 08/18/2026 | 12778 | ROB0005 | ROB0005 - Sold Prorated/Refund | -45.29 |
| | 08/19/2026 | 12779 | Vestis | Uniform Service | -161.34 |
| | 08/21/2026 | 12780 | Gonzales, Steven M | Board Stipend | -91.05 |
| | 08/24/2026 | 12781 | CER0001 | CER0001 - Sold Prorated Refund | -26.60 |
| | 08/26/2026 | 12782 | Comcast- Emerald Creek | Emerald Creek - Alarm Access | -133.35 |
| | 08/26/2026 | 12783 | Comcast Business | Office - Phone/Internet | -291.01 |
| | 08/27/2026 | 12784 | BEL0001 | BEL0001 - Sold Partial Refund | -29.27 |
| | 08/27/2026 | 12785 | US Jetting LLC | Hydro - Jet Hose | -177.86 |
| | 08/31/2026 | 12786 | Rammco | Uniform Service | -202.25 |
| **Jul - Aug 26** | | | | | |

**VOIDED Checks: Misprints**

# STAFF REPORT

**DATE:** September 10, 2026

**TO:** Members of the Board

**FROM:** Dan Murphy, Operations Manager

**SUBJECT:** Consideration of Purchase and Installation of Ares Aeration Equipment

**Recommendation:**

Staff recommends that the Board of Directors approve the purchase of the proposed aeration lagoon system and authorize the use of District reserve funds to fund the expenditure to purchase the installation of new Ares aeration equipment from Triplepoint Environmental, LLC, in the amount of $99,989.

**Background:**

The District's current MARS aerators at the Murphys wastewater treatment facility have experienced operational and maintenance issues. District Operations staff and Triplepoint Environmental have identified the concerns with the existing equipment, and Triplepoint has developed a newer Ares aerator design intended to address the identified wear issues.

**Discussion:**

The proposal includes 29 Ares aerators with coarse and fine bubble diffusers and 9-inch buoys, hose clamps, spare silicone diffuser tubes, shipping, and turnkey installation. The proposal also provides a $29,000 trade-in credit for the District's 29 existing MARS aerators.

Based on the information provided by Operations, the newer Ares design is expected to improve the District's ability to safely service the aeration system and increase the interval between major preventative maintenance projects. The handwritten project notes indicate that the maintenance interval is expected to increase from approximately every 5–7 years to approximately 15 years between projects.

**Fiscal Impact:**

The proposed aeration lagoon system was not included in the adopted Fiscal Year 2026/27 Budget, as the need for this operational improvement was not anticipated prior to adoption of the budget.

Because funding for this purchase was not included in the current fiscal year budget, sufficient appropriations will funded by the reserve account.

The total project cost is $99,989. This amount includes $65,889 for equipment after application of the $29,000 trade-in credit, plus $34,100 for turnkey installation.

**Attachment:**

Triplepint Environmental, LLC proposal dated July 24, 2026

triplepoint™

LAGOONS
Do it better.

# AERATION PROPOSAL

**PROJECT NO.:** cd52442
**PROJECT NAME:** Murphys WWTF
**PROJECT LOCATION:** Murphys, CA
**DATE:** July 24, 2026

**PREPARED FOR**
Dan Murphy
Murphys Sanitation District
c/o
Simon Morris
JBI Water

**PREPARED BY**
Triplepoint Environmental, LLC
Tom Daugherty, Western Region Manager
Office: (312) 428-4634
Cell: (208) 699-7090
Email: tom.daugherty@lagoons.com

## Scope of Supply

| Ares Aeration Equipment | Quantity | Unit |
|---|---|---|
| Ares Aerators with Coarse and Fine Bubble Diffusers & 9" Buoys | 29 | EA |
| SS Hose Clamps | 29 | EA |
| Spare Silicone Diffuser Tubes | 3 | EA |
| Shipping and Handling Prepaid and Included | 1 | LOT |
| Sub Total | $94,889.00 | USD |
| **Trade in Credit for MARS aerators (29 at $1,000.00 USD each)** | **($29,000.00)** | USD |
| Scope of Supply Total | $65,889.00 | USD |
| Turnkey Installation including RT transport of installation pontoon* | $34,100.00 | USD |
| **Total** | **$99,989.00** | USD |
| *Roll off container and telehandler provided by site | | |

Accepted: ______________________ Title______________________

Signature__________________________________ Date _________________

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## TERMS & CONDITIONS

*Scope of Supply*
Triplepoint ("Company") will supply all process expertise and equipment as part of this quote. The customer is responsible for the costs associated with the installation and infrastructure needed, including the concrete tanks, pumps (if required), operations building (as needed), and any influent/effluent/connecting piping that may be necessary.

*Acceptance*
These terms and conditions of sale supersede all previous editions—and may be updated from time to time as posted to the Triplepoint website—and apply to all documents made and orders accepted by Triplepoint. Acceptance of the Goods by the Purchaser is acknowledgement of acceptance of the most recent Triplepoint terms and conditions of sale. No order for Triplepoint's products or services shall be binding upon Triplepoint until accepted in writing by an authorized official of Triplepoint or by shipment or other performance of such order. Any order shall be subject to these terms and conditions, which in concert with any supply contract shall constitute the entire agreement between the parties, and acceptance shall be expressly conditioned on assent to such terms and conditions by Purchaser, which assent shall be deemed given unless Purchaser shall expressly notify Triplepoint to the contrary within five (5) days after receipt of any acknowledgment of order. No understandings or agreements which differ from, modify, or add to these terms and conditions and no additions, deletions, or modifications proposed by Purchaser in its printed forms or otherwise shall bind Triplepoint regardless of whether or not such understandings, agreements, additions, deletions, or modifications would materially alter the terms hereof, unless made in writing and signed by both parties. All purchase orders or contracts must be approved and accepted by Triplepoint. Stenographic and clerical errors are subject to correction.

*Cancellation, Suspension, or Returns*
No accepted offer may be cancelled or altered by Purchaser except upon terms and conditions accepted by Triplepoint in writing, and no changes to this document will be binding unless set forth in writing and manually signed by Triplepoint. This offer may be revoked by Triplepoint at any time before it is accepted by Purchaser and will automatically expire thirty (30) calendar days after its date if Purchaser has not accepted it before then. Neither Purchaser of this offer nor any conduct by Triplepoint (including but not limited to shipment of Goods) will oblige Triplepoint to sell to Purchaser any quantity of Goods in excess of the quantity that Purchaser has committed to purchase from Triplepoint at the time of such acceptance or conduct. Requests to cancel, suspend, or return a PO or portion thereof shall not be accepted without prior written approval from Company. All Goods returned to Company must be in full containers or cases, unopened and in the same conditions as when delivered. All costs to return are borne by the Purchaser and a fifteen percent (15%) fee may be charged at Company's option. Costs incurred by Company of all work completed, or Goods purchased in execution of Purchaser PO at time of approved cancellation will be responsibility of Purchaser. The Purchaser shall indemnify the Company against any loss related to cancellation, suspension, or returns.

*Payment Terms*
The quote in this proposal remains valid for a period of 30 days. Except as otherwise agreed by Parties on the Purchase Order, twenty percent (20%) is due upon contract acceptance, twenty percent (20%) is due upon offer to ship, fifty percent (50%) is due upon notice to ship and the final ten percent (10%) is due upon startup by Triplepoint's personnel.

Net 30 days. Amounts past due are subject to a service charge of 1.5% per month, 18% per annum, on the unpaid balance. The Company reserves the right, among other remedies, to delay or suspend further shipments or require full or partial cash payment in advance until all sums due have been paid. Purchaser shall be liable for all costs and expenses incurred by the Company in collecting any overdue amounts, including without limitation reasonable attorneys' fees. Any pro-rata payments required hereunder shall be made as shipments are made.

A 3.5% processing fee will be added to payments made by credit card.

*Credit Approval*
All payment terms set forth in this document are subject to Company's approval of Purchaser's credit, at Company's discretion; if such approval is withheld, payment will be due in advance of Company's performance. Performance of any contract by the Company is contingent upon Purchaser credit approval. Credit may be waived in lieu of a project materials payment bond. A materials payment bond supplied to the Project Owner or Engineer by the Purchaser is acceptable. Triplepoint reserves the right to hold shipment on delinquent accounts.

*Material Cost Escalation*
If at any time the cost of materials quoted here significantly increases, through no fault of Triplepoint, the price shall be equitably adjusted by an amount reasonably necessary to cover any such increase in the costs of materials. As used herein, a significant cost increase shall mean any increase in cost of materials exceeding five percent (5%) experienced by Triplepoint either before or after a PO is issued. Such increase in material costs may be documented by quotes, invoices, or receipts. Where the delivery of materials is delayed, through no fault of the contractor, as a result of the shortage or unavailability of the materials, contractor shall not be liable for any additional costs or damages associated with such delay(s).

*Currency & Taxes*
Unless otherwise noted, all quotes are in United States dollars. This price does not include local taxes and/or duty fees/taxes. Sales tax exemption certificate must be submitted when applicable. All non-exempt taxes will be self-assessed and payable by the customer to the local tax authority.

*Design Limitations*
The preliminary design(s) presented in this document were calculated with information provided at the time of proposal request. The design is only as good as the information provided. If incorrect or incomplete data was provided, assumptions have been made in order to develop the finished design. Prior to product installation, design properties and considerations must be reviewed and validated by the purchasing parties.

*Delivery; Storage*
Unless otherwise agreed to by Company in writing, all shipments are EXW Company's warehouse. Regardless of shipping terms or freight payment, Purchaser will bear all risk of loss or damage in transit. Company reserves the right to make delivery in installments, unless otherwise expressly stipulated herein; all such installments to be separately invoiced and paid for when due per invoice, without regard to subsequent deliveries. Delay in delivery of any installment will not relieve Purchaser of its obligations to accept remaining deliveries.

Shipping dates are estimates only and are subject to Company's lead time policy. Company shall make all reasonable efforts to have Goods delivered to Purchaser on or about the date or within the time frame of the Order, but Company shall not be liable for any failure or delay in delivery for any reason. Statements as to expected date of hardware shipment represent the Company's best judgment, but shipment on those dates is not guaranteed. The Company will endeavor to meet the scheduled date(s) but cannot be held responsible for its failure to do so for causes beyond its reasonable control and in no event shall it be liable for any loss or damage resulting from its failure to deliver within the time specified herein. The Purchaser hereby waives all claims to damages caused by delay in shipment or delivery of hardware. Great care is taken in packing Company's Product. Company cannot be held responsible for damage after having received "in good order" receipts from the transportation company. All claims for loss and damage must be made by Purchaser to the carrier.

Purchase orders issued by Purchaser and placed with Company are irrevocable and Purchaser is contractually obliged to take delivery and pay for all Goods ordered and supplied or made available by Company pursuant to such purchase order. If the Company does not receive forwarding instructions sufficient to enable it to dispatch Goods within fourteen (14) days after notice to Purchaser that such Goods are ready, Purchaser shall be deemed to have taken delivery from such dates and Company will store all items at Purchaser's risk and expense, and will invoice Purchaser for any remaining unbilled contract price plus one-half percent (½%) of the total contract price for each month the shipment is delayed and a fee of One Hundred Dollars ($100.00) per day for storage and maintenance. Unless otherwise agreed upon by the parties in writing, if Purchaser does not accept delivery or collect Goods from Company when made available at the agreed delivery point in accordance with the Contract, Purchaser also will reimburse Company for any demurrage, transport, or futile delivery costs incurred by Company.

*Installation Supervision*
If included, a Triplepoint certified project manager will provide supervision of installation, inspection, testing, training, and startup for a minimum of two (2) days during installation.

*Force Majeure*
Shipments or deliveries may be totally or partially suspended or delayed by Company during any period in which the Company may be prevented or hindered from manufacture, delivery, or supply through any circumstances outside Company's reasonable control or where manufacturing, delivery, or supply is rendered materially more expensive by such circumstances.

Circumstances beyond Company's reasonable controls shall include but are not limited to governmental regulation, flood, wind, labor disputes, accident, power or water shortage, accidents or breakdowns or failures of plant or machinery, transportation, fires, strikes, war, reduced supply of fuel or raw materials, embargo, riot, act of God, or any other cause or causes, whether of like or different nature, beyond the reasonable control of Company. Company shall not incur any liability to Purchaser in respect to such suspension or delays. Purchaser shall bear any costs incidental to Purchaser's delay or failure in acceptance of Product or any other performance.

*Inspection*
Purchaser shall promptly examine the Goods for any damage or shortage or failure of the Goods to comply with the Company's standard sales specifications or the specifications contained in or referenced in the Contract. Claims will not be allowed unless written notice specifying the nature and extent of the defect, damage, or shortage is received in the Company's office within fourteen (14) days from unloading—unless the defect, damage, or shortage is of such a nature that it would not be reasonably discovered until the material is assembled and/or erected as a finished product; then the fourteen (14) days will begin from the date of commencement of assembly and/or erection. All claims for damage in shipment, or shortage of Goods received, shall be deemed waived unless made in writing and received by Company.

*Limits of Liability*
To the extent permitted by law and not withstanding any provision to the contrary in the contract, in no event shall Company be liable and Purchaser waives all claims against Company for consequential, incidental, indirect, exemplary, punitive, or special damages, whether or not based upon Company's negligence or breach of warranty or strict liability in tort or any other cause of action arising, directly or indirectly, in respect to the product or services covered hereunder, or the use or failure thereof, including, but not limited to, damages for loss of production, loss of profits, loss of business revenues, loss of capital, failure to realize expected profits or savings, overhead costs, loss by reason of service interruption or increased expense of operation, loss of goodwill, loss of reputation, loss of value in any intellectual property, damages or liquidated sums payable pursuant to other agreements or to other third parties, other economic losses, or injury to persons or property. In any event, Company's maximum liability shall be limited to repair or replacement of parts but shall not exceed fifteen percent (15%) of the purchase price of the product(s) and services furnished by Company hereunder that gave rise to any liability. The provisions of this paragraph shall survive the expiration or termination of this agreement. This disclaimer shall remain in full force and effect even in the event that Purchaser's sole and exclusive remedy shall fail of its essential purpose.

*Indemnification*
Purchaser will indemnify and hold harmless Company from and against any and all losses, liabilities, damages, and expenses (including but not limited to Attorney's Fees and other costs of defense) that Company may incur as a result of any claim, other than a claim for the remedies provided for in the Triplepoint standard warranty, by Purchaser or Purchaser's customers or by any third party arising out of or relating to the goods or services sold hereunder, including but not limited to any such claim based upon the negligence of Company in designing, manufacturing, performing and/or selling such goods or services, unless such losses, liabilities, damages, or expenses are ultimately determined to be attributable solely to the willful misconduct of Seller.

*Insurance*
The Purchaser agrees to provide and maintain for the benefit of the Company adequate insurance for the equipment herein specified from the time of its shipment from Triplepoint until paid for in full and the Purchaser agrees to assume all loss over and above that compensated for by such insurance. The Purchaser shall procure and pay for all public liability insurance during the installation of any Triplepoint provided equipment.

*Attorney Fees*
For any suits brought or retainage paid to attorneys to collect any part of the purchase price or to enforce any provision herein, the Purchaser will pay Triplepoint attorney fees and related expenses including an administrative fee equal to the attorney fees.

*Bankruptcy, Receivership, or Insolvency Proceedings*
Should bankruptcy, receivership, or insolvency proceedings be instituted by or against the Purchaser or should the Purchaser make an assignment in favor of creditors, the unpaid balance of the purchase price shall immediately become due and payable at the option of the Company. Notwithstanding other arrangements to the contrary, the Company shall be free to enter premises where equipment for which the Company has not been fully paid may be located and remove said equipment as its

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property without prejudice to any further claims on amounts of damage which the Company may suffer from any cause.

*Governing Law*
Any document for equipment supply made by the Company as well as any contract between the Company and the Purchaser are deemed to be executed in Colorado, USA, subject to correction for typographical or mathematical errors and governed by Colorado law.

*Arbitration*
Any controversy or claim arising out of or relating to this contract/order or breach thereof will be finally settled by arbitration in accordance with the Rules of Commercial Arbitration of the American Arbitration Association, and judgment upon the award rendered by the arbitrators may be entered in any court having jurisdiction over the controversy or claim in the State of Colorado. Arbitration proceedings shall occur in the county of residence of Company in the State of Colorado.

*Ares Aeration® Process Guarantee*
Triplepoint guarantees your aeration process for a period of one (1) year from the date of substantial project completion for municipal applications. The guarantee assumes site conditions match design conditions and is voided in the event of excessive existing sludge and/or ragging which inhibit proper operation.

*NitrOx® Process Guarantee*
Triplepoint guarantees your NitrOx Process for a period of one (1) year from the date of substantial project completion. The guarantee assumes site conditions match design conditions and is voided in the event of excessive existing sludge and/or ragging which inhibit proper operation.

*Thermal Regulation*
The NitrOx Reactor will achieve nitrification at water temperatures as low as 4°C. If the influent water temperature for the reactor is likely to dip below this level in the winter months, a thermal regulation system is necessary to regulate the water temperature in order to guarantee year-round nitrification.

*Recommended Influent Screening*
Due to the presence of sanitary wipes and/or other debris in influent collection systems, influent screening is highly recommended. Triplepoint has consistently found that aeration systems of all types collect rags, which ultimately prevent proper operation. Screening down to one-quarter inch (1/4") min. is recommended.

*Confidentiality Notice*
The NitrOx and Ares Aeration processes are the subject of one or more confidential patents or patent applications filed in the United States Patent and Trademark Office and may be the subject of one or more confidential foreign patent applications. The customer and any other related parties contracted recognize the importance of maintaining the continued confidentiality of the design of the NitrOx and Ares Aeration processes. The customer and any other parties contracted all agree that they shall not sell, transfer, or disclose any such confidential information relating to the design of the NitrOx and Ares Aeration processes to any other person, organization, or corporation without the express written authorization of Triplepoint LLC and pursuant to an enforceable agreement of confidentiality, except as required by law or as necessary in connection with the use, operation, maintenance, repair, or replacement of the system. Additionally, the customer and any other parties contracted all agree to preserve the confidentiality of this proposal and all materials attached and not to distribute or copy such materials for any other parties not previously authorized by Triplepoint.

*Warranty*
Triplepoint warrants your NitrOx and Ares Aeration products to be free from defects in material and workmanship for a period of five (5) years from the date of substantial project completion for municipal applications and a period of two (2) years from the date of substantial project completion for industrial applications. If a defect is discovered in any of the constituent components covered by this warranty, Triplepoint will repair at our option using new or refurbished components for equal or improved quality. If a suitable repair is not possible, the product will be replaced. All defective parts, assemblies, and products become the property of Triplepoint. Any soft costs incurred during a warranty claim, including costs associated with removing, shipping, and reinstalling a warranted component, shall be the responsibility of the customer. Warranty is voided in the event issues are caused due to excessive existing sludge and/or ragging which inhibit proper operation.

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*Confidentiality*
Purchaser acknowledges that the information and processes utilized by Company in the design, manufacture, and supply of its products and systems are confidential and proprietary to the Company. Purchaser agrees to treat as confidential and

proprietary any such information or processes, including, but not limited to, design information or data, proposals, software, schematics, drawings, operational and maintenance manuals, testing procedures, or other similar technical information ("Confidential Information") provided by the Company in connection with the supply or installation of products or systems hereunder, and will, at a minimum, protect any such confidential Information in a manner commensurate with the measures taken to protect Purchaser's own confidential or proprietary information. The Company retains all rights, titles, and interests in all such Confidential Information and Purchaser shall not use or otherwise disclose to any third party any such Confidential Information except to the extent authorized by the Company in writing.

*BABAA Compliance*
We are proud to comply with the Build America, Buy America (BABA) Act, P.L. 117-58, §§ 70911–70917). Triplepoint's Ares Aerators® are assembled in our Centennial, Colorado, factory from components manufactured within the United States by Triplepoint or sourced from American suppliers. This qualifies our products as produced in the United States as defined in the Act: All manufactured products used in the project are produced in the United States. This means the manufactured product was manufactured in the United States, and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation.

# Ares Aeration®

Lagoon Aeration & Mixing System

triplepoint®

# LAGOON SPECIALISTS

## Tailored Solutions. Proven Process. Guaranteed Performance.

At Triplepoint, lagoons aren't just part of what we do—they're all we do. We specialize in helping municipalities and industries get the most from their lagoon systems by solving issues like permit compliance and sludge accumulation with smarter, simpler solutions.

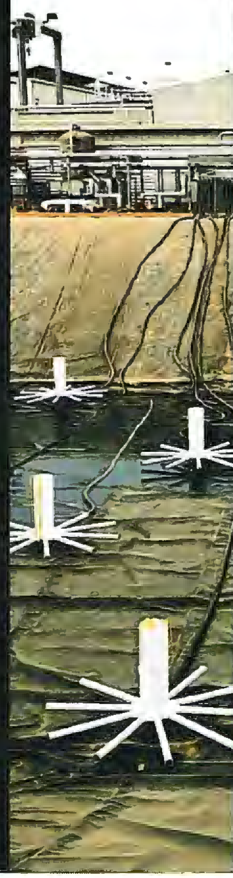
Because lagoons are the most cost-effective, low-maintenance method of wastewater treatment, we're dedicated to preserving and upgrading them—not replacing them.

# TAILORED PROCESS

## Engineered for your lagoon. Designed to deliver.

Every lagoon is unique, so every solution starts with understanding your site. Our team partners with you from the start—evaluating your influent data, compliance goals, and infrastructure. Then we custom design a system that balances dissolved oxygen and mixing power for optimal BOD removal, sludge mitigation, ammonia reduction, and algae control.

Whether it's a complete mix or partial mix, manifolds with individual air lines or floating laterals, your system is engineered to perform —efficiently and reliably.



# THE SMARTER CHOICE FOR LAGOONS.

triplepoint®

## Purpose Built. Field Proven.

With decades of lagoon expertise and a proven track record in the field, we deliver systems that meet your goals—and support you every step of the way. We are the go-to partner for municipalities, industrial facilities, engineers, and operators who need practical, high-performance solutions. We don't retrofit generic technologies—we build lagoon systems from the ground up with your treatment goals in mind.

Our Ares Aeration® systems combine industry-leading aeration efficiency with powerful mixing, flexible installation options, and the reliability operators count on. And with our Technology Performance Guarantee, we don't just promise results—we deliver them.

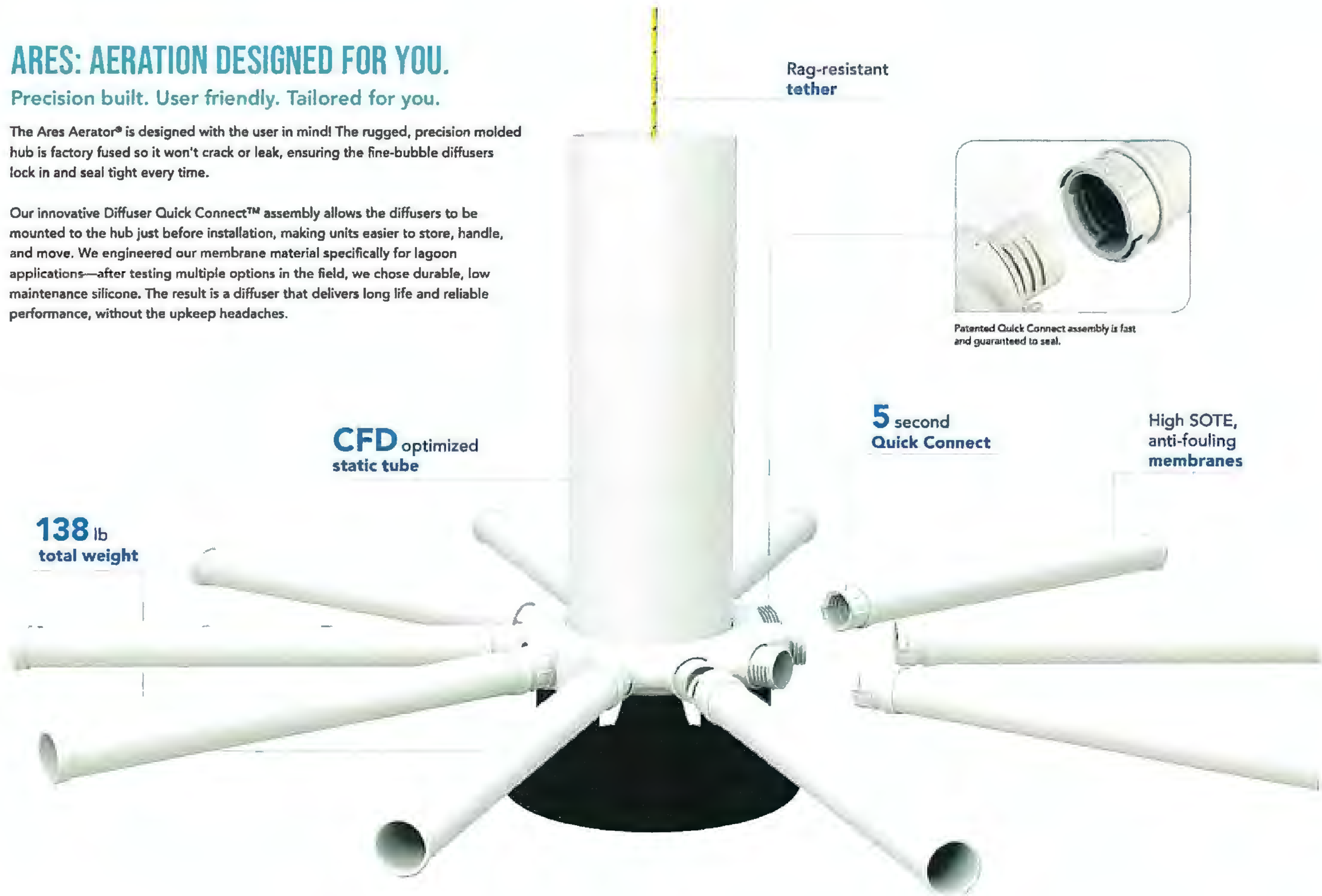
## If you're ready for a system that works the way you do—Triplepoint is ready to help.

# ARES: AERATION DESIGNED FOR YOU.

## Precision built. User friendly. Tailored for you.

The Ares Aerator® is designed with the user in mind! The rugged, precision molded hub is factory fused so it won't crack or leak, ensuring the fine-bubble diffusers lock in and seal tight every time.

Our innovative Diffuser Quick Connect™ assembly allows the diffusers to be mounted to the hub just before installation, making units easier to store, handle, and move. We engineered our membrane material specifically for lagoon applications—after testing multiple options in the field, we chose durable, low maintenance silicone. The result is a diffuser that delivers long life and reliable performance, without the upkeep headaches.

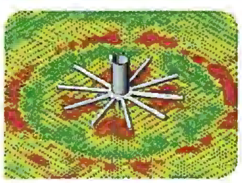


# ARES AERATION® FOR LAGOONS.

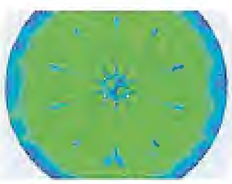
## More efficiency. More mixing. More portability.

Triplepoint's Ares Lagoon Aerator combines industry-leading aeration efficiency with unmatched mixing capability in one portable unit. Independent testing conducted under ASCE Oxygen Transfer Efficiency conditions demonstrates SOTE of up to 2.4 percent per foot of submergence or 4–7 lb/$O^2$ per horsepower hour. This translates to energy savings of up to 60 percent over standard lagoon aeration equipment.

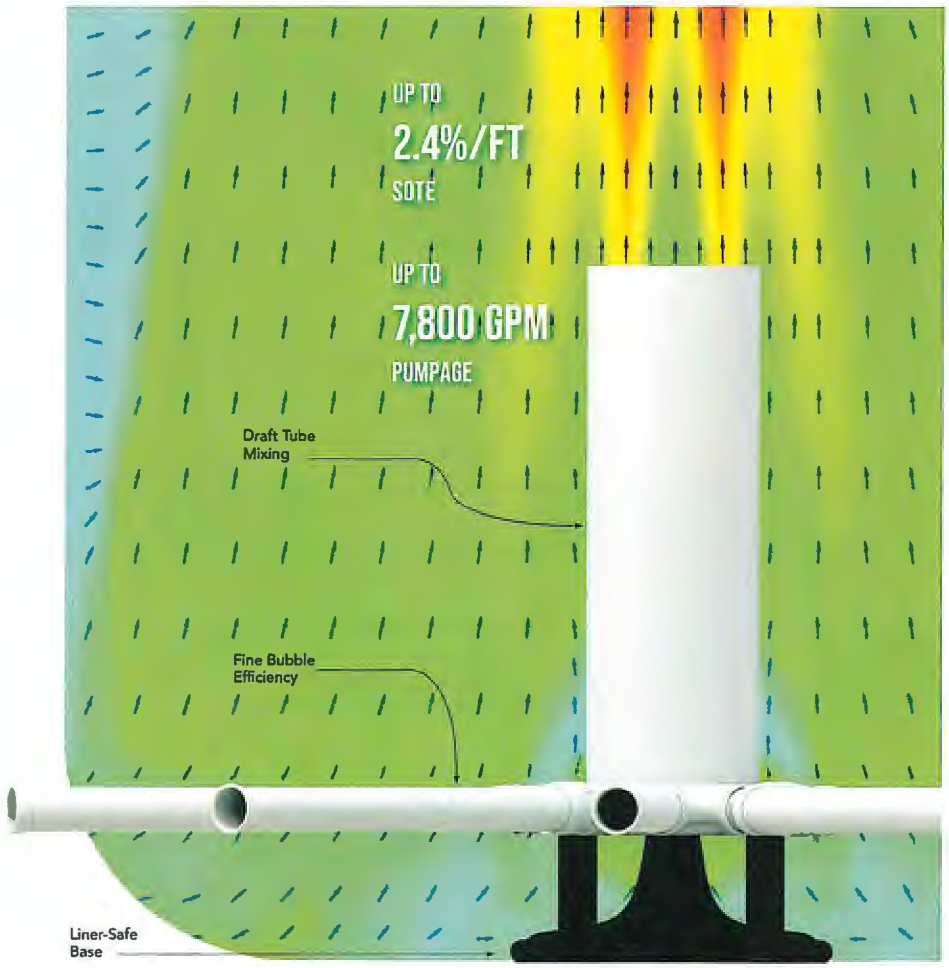
Moreover, Computational Fluid Dynamics (CFD) Modeling demonstrates pumpage of 7,800 gallons per minute, leading to better treatment and lower sludge levels on the bottom of your lagoon. Ares' innovative high negative buoyancy ballast is lighter out of the water to make installation and maintenance easier.



High horizontal velocity of water aids in sludge reduction.



Total mixing diameter of up to 125 ft.

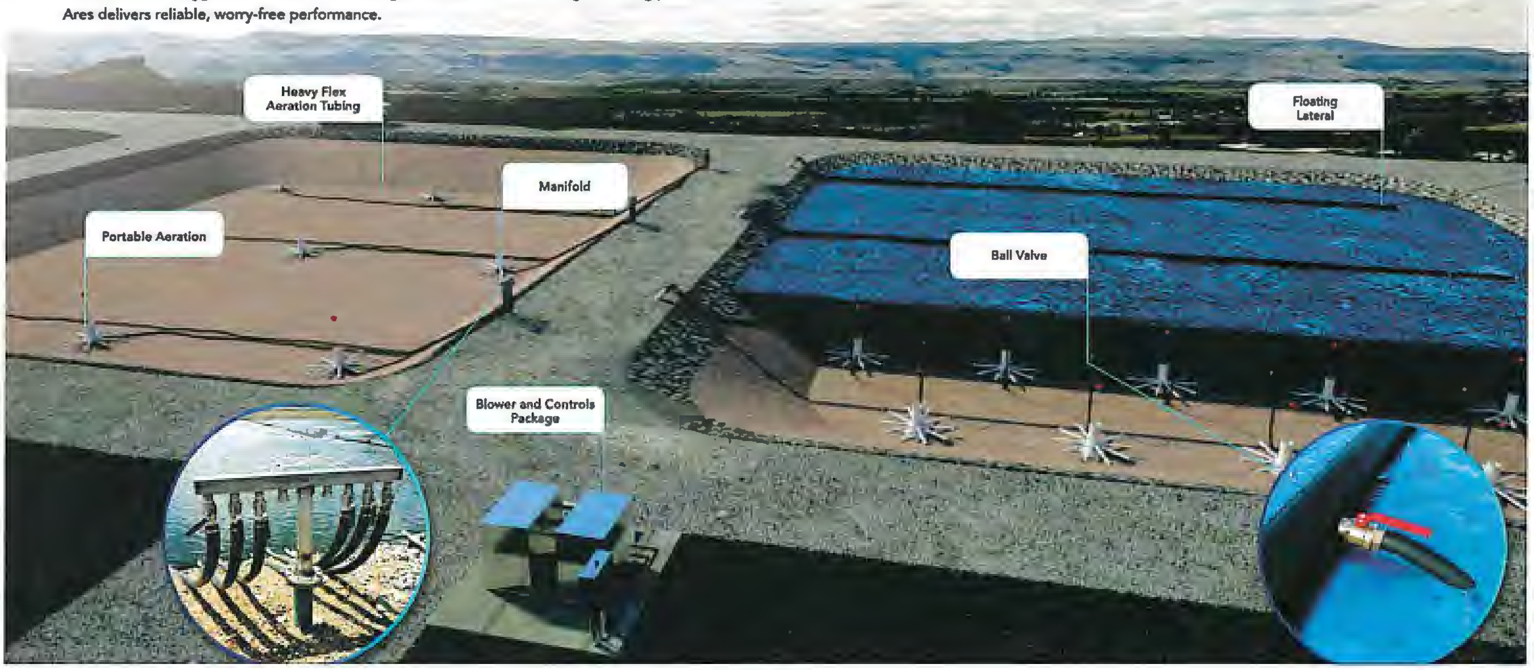


# LAGOON AERATION, OPTIMIZED.

## Fast installation. Easy maintenance. Reliable operation.

Ares Aerators are easy to install: they are self-weighted for easy deployment and simply lowered into the water. Each aerator connects to an onshore blower via its own individual air line of Heavy Flex tubing. Depending on the number or density of units being installed, the air lines can be routed through a manifold or floating laterals. Each aerator is valved for individual airflow adjustment.

Installation and maintenance are simple. Ares units drop in from the surface—so you never need to drain your lagoon—and all service can be performed from above without system downtime. With rugged construction, antifouling diffusers, and no submerged moving parts, Ares delivers reliable, worry-free performance.



# ONE PLATFORM. MANY POSSIBILITIES.

## ARES SLOPESTER

**Angled to mix and aerate sloped lagoon walls.**

- Great for steep embankments or retrofits

## ARES INJECTOR

**Additives delivered right into the water column.**

- Phosphorus removal
- Odor control (e.g., peroxide)
- Sludge reducers, nitrifiers, and more

## ARES BURPER

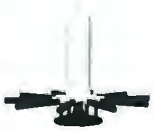
**Intermittent coarse-bubble mixing for anoxic zones.**

- Robust mixing without oxygen transfer

## ARES-FB (fine bubble)

**Maximum oxygen transfer. No mixing.**

- Operates in lagoons as shallow as 3 feet
- Ideal for polishing cells, facultative lagoons, tanks, and reservoirs



## ARES-MB (medium bubble)

**Higher airflow. Larger orifices. Less fouling.**

- Handles high-strength waste
- Lower backpressure = lower HP
- Ideal for industrial lagoons and digesters

## ARES-CB (coarse bubble)

**Circulation, verticity, and mixing via static tube.**

- No regular maintenance required
- Fits into tight tank or basin configurations

# FULL-SERVICE INSTALLATION. START TO FINISH.

## Complete Lagoon Systems.

Triplepoint is more than an equipment manufacturer. We're your full-service partner for complete lagoon installation—from the blower pad to the last diffuser. Whether it's a new system or a retrofit, we design and deliver everything your lagoon needs to perform.

We coordinate and support every phase of installation: supplying and integrating blowers, piping, manifolds, electrical components, and controls—alongside our aeration and mixing systems. Our team works closely with operators and contractors to keep the install simple, efficient, and on schedule.

With Triplepoint, you don't just get parts—you get performance.

## With our Technology Performance Guarantee, we don't just promise results —we deliver them.


WE SAY IT
WE DO IT
GUARANTEED
We back every system with our Technology Performance Guarantee: If we say it will work—we make sure it does.
With decades of lagoon expertise and a proven track record in the field, we deliver systems that meet your goals—and support you every step of the way.
From first design to final install, we stand behind our process, our products, and our people.
LAGOONS Do it better.
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800.654.9307 | info@lagoons.com | 12600 E. Arapahoe Rd, Centennial, CO 80112
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Axius Water companies
MADE IN USA

# STAFF REPORT

**DATE**: September 10, 2026

**TO**: Members of the Board

**FROM:** Dan Murphy, Operations Manager

**SUBJECT:** Consideration of Purchase of New District Vehicle

**Recommendation:**

Staff recommends the Board approve the purchase of a new 2026 Ford F-250 4x4 diesel service vehicle in the amount of $65,274.99, authorize the use of District reserve funds for the unbudgeted expenditure, and authorize staff to retain the District's existing 2006 Ford truck as a third operational vehicle.

**Background:**

At the direction of the Board of Directors staff proceeded with researching options for the purchase of a new District service Vehicle. Staff obtained a quote from Sonora Ford with a selling price of $59, 830 plus tax and license fees brought total purchase price to $65,274.99.

The District currently has four operators and two service trucks available for operations, One of the District's existing vehicles is a Ford F250 with over 100k miles. Although the vehicle is approximately 20 years old, it remains operational.

**Discussion:**

The purchase of a new service vehicle will provide staff with a reliable vehicle for daily District operations. The older truck could be utilized for emergency response, transporting materials and supplies, without placing additional mileage and wear on a new vehicle. Staff can continue to monitor it's condition and maintenance costs and recommend surplus or disposal in the future if ownership is no longer cost effective.

*CARB Compliance: The California Air Resources Board (CARB) Advanced Clean Fleets regulation applies to certain state and local government fleet vehicles with a gross vehicle weight rating greater than 8,500 pounds. Calaveras County is identified by CARB as a designated low-population county. Under the ZEV Purchase Schedule, small government fleets with 10 or fewer vehicles and fleets operating in designated low-population counties may delay zero-emission vehicle purchase requirements until January 1, 2027. Accordingly, the District's proposed purchase of the 2026 diesel service vehicle occurs prior to that purchase-requirement date. Staff will continue to monitor CARB Advanced Clean Fleets requirements, including applicable fleet reporting obligations and future vehicle-purchase requirements.*

**Fiscal Impact:**

The purchase of the new service vehicle was not included in the District's adopted FY 2026/27 budget. At the direction of the Board of Directors, staff researched options for the purchase of a new District service vehicle and obtained the attached quote. Because this expenditure was not included in the current fiscal year budget, funding for the purchase will need to be appropriated from the District's reserve funds.

**Attachment:**

Sonora Ford Quote dated August 28, 2026 - 2026 Ford F-250 4x4 Diesel

Commercial
Vehicle Center

# QUOTE

8/28/2026

**MURPHYS SANITARY DIST.**

- NEW 2026 FORD F250 REGULAR CAB
- 4X4
- WHITE
- DIESEL
- 142” wheelbase

★ SELLING PRICE - $ **59,830.00**
★ DMV - $ 45.75 (EXEMPT)
★ DOCUMENT FEE - $85.00
★ Sales Tax - $ 5,314.24

## TOTAL - $ 65,274.99

# STAFF REPORT

**DATE:** September 10, 2026

**TO:** Members of the Board

**FROM:** District Management

**SUBJECT:** Adoption of Resolution 2026-08, Updated SDRMA Employee Benefits Memorandum of Understanding

## RECOMMENDATION

Approve the updated Memorandum of Understanding (MOU) with Special District Risk Management Authority (SDRMA) and authorize the Board President to execute the agreement on behalf of the District.

## BACKGROUND

MSD currently participates in the SDRMA/PRISM Health and Employee Benefits Program for employee benefits. SDRMA has updated the MOU that establishes the terms and conditions for agencies participating in the program. The updated agreement clarifies SDRMA's administrative role, program eligibility, premium payments, assessments, and withdrawal requirements.

## DISCUSSION

Approval of the updated MOU allows the District to continue participating in the SDRMA/PRISM employee benefits program. The agreement also clarifies that program rates and terms are established through PRISM, premiums must be paid as billed, and participating agencies may be subject to assessments if program funding is insufficient. Agencies wishing to leave the program must generally provide at least 120 days' notice before the next calendar year.

## FISCAL IMPACT

No immediate fiscal impact associated with approval of the MOU.

## ATTACHMENTS

Chart of Revised Language and Description Change

Redline SDRMA Memorandum of Understanding - Health and/or Employee Benefits Small Group Program

Resolution 2026-08 SDRMA Memorandum of Understanding – Health and/or Employee Benefits Small Group Program

| Section | Previous Language | Revised Language | Description of Change |
|---|---|---|---|
| Definitions | Various terms and definitions, some not clearly defined or missing. | Expanded and clarified definitions for "Committee," "Coverage Documents," "Program Participation Agreement," "Program," and "Program Documents." | Improved clarity and specificity of key terms for better understanding and administration. |
| Entry into Program | ENTITY shall enroll in the Program by making application through SDRMA. | ENTITY shall apply for participation by executing all forms prescribed by SDRMA, subject to approval by the Program's Underwriter. | Clarifies the application process and emphasizes underwriter approval. |
| Maintenance of Effort | Program provides health benefits to all participants of the ENTITY. | Specifies eligible participants (active employees, retired employees, dependents, public officials) and outlines optional participation for some groups. | Clarifies eligibility and participation requirements. |
| Premiums | ENTITY will remit monthly premiums based on rates established by SDRMA. | Premiums and rates are set by the Committee; SDRMA adds an administrative fee. Details on billing, penalties for late payment, and termination for non-payment added. | Adds detail on premium calculation, billing, and consequences for late payment. |
| Benefits | Benefits as set forth in ENTITY's Plan Summary. | Benefits must be agreed upon with employee organizations and approved by the Program underwriter. | Adds requirement for underwriter approval of plan selections. |
| Assessments & Dividends | Assessments/dividends used sparingly; allocation based on premiums paid. | Committee may impose premium assessments if funds are insufficient; details on liability for withdrawn entities and dividend formula. | Expands on funding adequacy, assessment process, and dividend distribution. |
| Withdrawal | ENTITY may withdraw with 90 days' notice. | Notice period extended to 120 days prior to January 1; rescission deadline added; 3-year waiting period for re-entry after withdrawal. | Tightens withdrawal process and re-entry requirements. |
| Arbitration | Not previously specified. | Adds binding arbitration clause for disputes, specifying Sacramento, CA as venue. | Introduces formal dispute resolution process. |
| Amendment | Amendments require written agreement by both parties. | Clarifies amendment process, including SDRMA's right to terminate if ENTITY does not execute required amendments. | Strengthens amendment and termination provisions. |

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## MEMORANDUM OF UNDERSTANDING

**THIS MEMORANDUM OF UNDERSTANDING (HEREAFTER "MEMORANDUM") IS ENTERED INTO BY AND BETWEEN THE SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY (HEREAFTER "SDRMA") AND THE PARTICIPATING PUBLIC ENTITY (HEREAFTER "ENTITY") WHO IS SIGNATORY TO THIS MEMORANDUM.**

**WHEREAS**, on August 1, 2006, SDRMA in its capacity as a member of Public Risk Innovation, Solutions and Management (PRISM) and having executed the Joint Powers Agreement (JPA) governing PRISM, was appointed administrator for the purpose of enrolling small public entities into the ~~Public Risk Innovation, Solutions and Management~~ (PRISM) Health and/or Employee Benefits Small Group Program (hereinafter "P~~ROGRAM~~rogram"); and

**WHEREAS,** the terms and conditions of the PROGRAM as well as benefit coverage, rates, assessments, and premiums are governed by the PRISM Health Committee and/or PRISM Employee Benefits Committee for the P~~ROGRAM~~rogram (the "C~~OMMITTEE~~ommittee") and not SDRMA; and

**WHEREAS**, ENTITY desires to enroll and participate in the P~~ROGRAM~~rogram, acknowledging that SDRMA acts solely in an administrative capacity and does not establish Program terms.

**NOW THEREFORE**, SDRMA and ENTITY agree as follows:

1. DEFINITIONS. For purposes of this MEMORANDUM, unless the context otherwise requires, the following terms when capitalized have the respective meanings set out below and are applicable to the singular as well as to the plural forms of such terms and to the masculine as well as to the feminine and neuter genders of such terms.

a. "Committee" means the PRISM Health Committee and/or PRISM Employee Benefits Committee for the Program.

b. "Coverage Documents" means, except as otherwise provided herein, coverage documents from each carrier outlining the coverage provided, including terms and conditions of coverage, are controlling with respect to the coverage of the Program and will be provided by SDRMA to each ENTITY. Documents will be made available through the online SDRMA Portal and be accessible to approved users of the ENTITY.

c. "Program Participation Agreement" means the agreement issued by PRISM/AUS Underwriting to the Entity that details the final terms of acceptance and any special exceptions or terms that have been made a part of the underwriting approval and is required to be completed and executed in order to constitute full acceptance as a member of the PRISM Small Group Program.

d. "Program" or "PRISM" means the Public Risk Innovation, Solutions and Management (PRISM) Health and/or Employee Benefits Small Group Program.

e. "Program Documents" means the following: SDRMA Program Administrative Guidelines, SDRMA Resolution, Program Underwriting application and any required underwriting documents, Program approval, Program Underwriting & Eligibility Rules and Program Participation Agreement.

~~1~~2. PURPOSE. ENTITY is signatory to this MEMORANDUM for the ~~express~~ sole purpose of enrolling in the Program~~ROGRAM~~.

~~2~~3. ENTRY INTO PROGRAM. ENTITY shall ~~enroll~~ apply for participation in the Program~~ROGRAM~~ by ~~making application through~~ executing and all forms prescribed by SDRMA. ~~-~~SDRMA shall submit the completed forms to ~~which shall be subject to approval by~~ the Program~~ROGRAM~~'s Underwriter who has the authority to accept or reject Entity's application in its sole discretion based on the Program's ~~and~~ governing documents and in accordance with the Program's~~applicable~~ eligibility guidelines.

~~3~~4. MAINTENANCE OF EFFORT. Program ~~ROGRAM~~ ~~is designed to provide an alternative~~ provides health benefits ~~solution~~ to all ~~participants~~ active employees, retired employees, dependents of an active or retired employee and public officials of the ENTITY who satisfy requirements for participation. ~~of the ENTITY including active employees, retired employees (optional), dependents (optional) and public officials (optional).~~ ENTITY public officials may participate in the Program~~ROGRAM~~ only if they are currently being covered and their own ENTITY's enabling act, plans and policies allow it. ENTITY must contribute at least the minimum percentage required by the eligibility requirements

~~4~~5. PREMIUMS. ENTITY ~~understands~~ agrees and acknowledges that premiums and rates for the Program ~~ROGRAM~~ are set by the ~~COMMITTEE~~Committee and that SDRMA's Administrative Fee is set by SDRMA For each billing cycle,. ENTITY will remit the total monthly ~~premiums based upon rates established~~ amount billed by SDRMAfor each category of participants and the census of covered employees, public officials, dependents and retirees. PREMIUMs are based on a full month, and there are no partial months or prorated PREMIUMs. Enrollment for mid-year qualifying events and termination of coverage will be made in accordance with the SDRMA Program Administrative Guidelines.

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~~Rates for the ENTITY and each category of participant will be determined by the COMMITTEE designated for the PROGRAM based upon advice from its consultants and/or a consulting Benefits Actuary and insurance carriers. In addition, SDRMA adds an administrative fee to premiums and rates for costs associated with administering the PROGRAM. Rates may vary depending upon factors including, but not limited to, demographic characteristics, loss experience of all public entities participating in the PROGRAM and differences in benefits provided (plan design), if any.~~

~~SDRMA will administrate a billing to ENTITY each month, with payments due by the date specified by SDRMA. Payments received after the specified date will accrue penalties up to and including termination from the PROGRAM. Premiums are based on a full month, and there are no partial months or prorated premiums. Enrollment for mid-year qualifying events and termination of coverage will be made in accordance with the SDRMA Program Administrative Guidelines~~.
Late Payment Penalties. ENTITY shall pay all PREMIUM invoices as billed to SDRMA, regardless of any changes to eligibility or adjustments to PREMIUMS that may occur during the billing month and not reflected in the PREMIUM invoice. SDRMA shall issue PREMIUM invoices to ENTITY prior to the coverage month in which they are due. PREMIUM invoices are due by the due date stated on the invoice and considered delinquent thirty (30) calendar days from the due date. In addition to the outstanding balance due for any unpaid invoice, ENTITY shall be liable to SDRMA for a late payment penalty of 1% of the outstanding balance of any unpaid portion of such invoice effective (30) calendar days after the invoice due date. SDRMA reserves the right to terminate the MEMORANDUM and ENTITY'S Participation Agreement, including immediate cessation of all services under the Program, any time after it provides written notice to ENTITY of its failure to pay the amount due of any invoice.

~~5~~6. BENEFITS. Benefits provided to ENTITY participants shall be as set forth in ENTITY's Plan Summary for the Program ~~ROGRAM~~ and as agreed upon between the ENTITY and its recognized employee organizations as applicable. Not all plan offerings will be available to ENTITY, and plans requested by ENTITY must be submitted to Program~~ROGRAM~~ underwriter for approval.

6. ~~COVERAGE DOCUMENTS. Except as otherwise provided herein, coverage documents from each carrier outlining the coverage provided, including terms and conditions of coverage, are controlling with respect to the coverage of the PROGRAM and will be provided by SDRMA to each ENTITY. SDRMA will provide each ENTITY with additional documentation, defined as the SDRMA Program Administrative Guidelines which provide further details on administration of the PROGRAM.~~

7. ~~PROGRAM FUNDING. It is the intent of this MEMORANDUM to provide for a fully funded PROGRAM by any or all of the following: pooling risk; purchasing individual stop loss~~

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~~coverage to protect the pool from large claims; and purchasing aggregate stop loss coverage.~~

~~8. ASSESSMENTS. Should the PROGRAM not be adequately funded for any reason, pro-rata assessments to the ENTITY may be utilized to ensure the approved funding level for applicable policy periods. Any assessments which are deemed necessary to ensure approved funding levels shall be made upon the determination and approval of the COMMITTEE in accordance with the following:~~

~~a. Assessments/dividends will be used sparingly. Generally, any over/under funding will be factored into renewal rates.~~

~~b. If a dividend/assessment is declared, allocation will be based upon each ENTITY's proportional share of total premiums paid for the preceding 3 years. An ENTITY must be a current participant to receive a dividend, except upon termination of the PROGRAM and distribution of assets.~~

~~c. ENTITY will be liable for assessments for 12 months following withdrawal from the PROGRAM.~~

~~d. Fund equity will be evaluated on a total PROGRAM wide basis as opposed to each year standing on its own.~~

7. ASSESSMENTS AND DIVIDENDS. The Program annual premium, as approved by the Committee will be established at a level which is anticipated to provide adequate overall funding. The Program will directly manage surpluses and deficits. Premiums are targeted to fund expected claims (including incurred-but-not-reported (IBNR) and run-out), reinsurance (if any), Program/administrative expenses, and any reserve or margin adopted by the Committee.

If Program funds are insufficient (including funding IBNR), the Committee may impose premium assessments on all applicable participating Entities, consistent with the JPA, including ENTITY signing this MEMORANDUM. Entities that have withdrawn from the Program are liable for assessments attributable to plan year(s) in which they participated.

After appropriate reserves and obligations are funded and any Committee-approved margin is achieved, the Committee may declare a dividend or premium credit, using a formula recommended by the Program Underwriters and actuary.

~~9~~8. WITHDRAWAL. ENTITY may withdraw from this MEMORANDUM and terminate its Program Participation Agreement for a subsequent calendar year subject to the following condition: ~~ENTITY shall notify SDRMA and the PROGRAM in writing of its~~

~~intent to withdraw at least 90 days prior to their requested withdrawal date~~. ENTITY shall notify SDRMA in writing of its intent to withdraw from this MEMORANDUM and terminate its Program Participation Agreement at least 120 days prior to January 1st of the subsequent calendar year in which it shall be effective . No withdrawal shall become effective until December 31 of the year that notice of termination is received. ENTITY may rescind its notice of intent to withdraw and terminate no later than October 1st. Once ENTITY withdraws from the Program~~ROGRAM~~, there is a 3-year waiting period to come back into the Program~~ROGRAM~~, and the ENTITY will be subject to underwriting approval ~~again~~.

~~10. LIAISON WITH SDRMA. Each ENTITY shall maintain staff to act as liaison with SDRMA and between the ENTITY and SDRMA's designated PROGRAM representative.~~

9. ARBITRATION OF DISPUTES. To the extent permitted by law, all controversies between the ENTITY and SDRMA that may arise out of or relate to any of the services provided by SDRMA under the MEMORANDUM, or the construction, performance or breach of this or any other agreement between the ENTITY and SDRMA, whether entered into prior to, on or subsequent to the date hereof, shall be settled by binding arbitration in the City of Sacramento, California, under the Commercial Arbitration Rules of the American Arbitration Association. Judgment upon any award rendered by the arbitrator(s) shall be final, and may be entered into any court having jurisdiction.

~~11~~10. GOVERNING LAW. This MEMORANDUM shall be governed in accordance with the laws of the State of California.

~~12~~11. VENUE. Venue for any dispute or enforcement shall be in the City of Sacramento, California.

~~13~~12. ATTORNEY FEES. The prevailing party in any dispute shall be entitled to an award of reasonable attorney fees.

~~14.~~13. COMPLETE AGREEMENT. This MEMORANDUM together with the related Program~~ROGRAM~~ ~~documents~~ Documents constitutes the full and complete agreement of the ENTITY.

~~15~~14. SEVERABILITY. Should any provision of this MEMORANDUM be judicially determined to be void or unenforceable, such determination shall not affect any remaining provision.

~~16~~15. AMENDMENT OF MEMORANDUM; WAIVER. This MEMORANDUM may not be modified, nor shall any provision hereof be waived or amended, except in a writing duly signed by authorized representatives of SDRMA and ENTITY. The failure of either Party to enforce at any time any provision of the MEMORANDUM shall not be construed to be a waiver of such provision, nor in any way to affect the validity of the MEMORANDUM or the

~~SDRMA~~SDRMA

right of either party thereafter to enforce each and every such provision.~~may be amended by the SDRMA Board of Directors and such amendments are subject to approval of ENTITY's designated representative, or alternate, who shall have authority to execute this MEMORANDUM.~~ ~~Any~~ If ENTITY ~~who~~ fails or refuses to execute an amendment to this MEMORANDUM by the deadline included in written notice of SDRMA'S execution of said amendment, SDRMA reserves the right to terminate ~~shall be deemed to have withdrawn~~ this MEMORANDUM and ENTITY'S Program Participation Agreement ~~from the PROGRAM~~ effective as of ~~on~~ the next annual renewal date.

~~17~~16. EFFECTIVE DATE. This MEMORANDUM shall become effective on the later of the first date of coverage for the ENTITY or the last date of signing of this MEMORANDUM by the Chief Executive Officer or Board President of SDRMA and the authorized person for the ENTITY.

~~18~~17. EXECUTION IN COUNTERPARTS. This MEMORANDUM may be executed in several counterparts, each of which shall be an original, all of which shall constitute but one and the same instrument.

In Witness Whereof, the undersigned have executed the MEMORANDUM as of the date set forth below.

Dated: ________________ By: ______________________________

Special District Risk
Management Authority

Dated: ________________ By: ______________________________

~~Agency~~ ENTITY Name

RESOLUTION NO. 2026-08

**A RESOLUTION OF THE OF THE (GOVERNING BODY) OF MURPHYS SANITARY DISTRICT APPROVING THE FORM OF AND AUTHORIZING THE EXECUTION OF A MEMORANDUM OF UNDERSTANDING AND AUTHORIZING PARTICIPATION IN THE SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY'S HEALTH BENEFITS PROGRAM**

**WHEREAS**, Murphys Sanitary District, a public agency duly organized and existing under and by virtue of the laws of the State of California (the "ENTITY"), has determined that it is in the best interest and to the advantage of the ENTITY to participate in the Health Benefits Program offered by Special District Risk Management Authority (the "Authority"); and

**WHEREAS**, the Authority was formed in 1986 in accordance with the provisions of California Government Code 6500 *et seq.*, for the purpose of providing risk financing, risk management programs and other coverage protection programs; and

**WHEREAS**, participation in Authority programs requires the ENTITY to execute and enter into a Memorandum of Understanding which states the purpose and participation requirements for the Health Benefits Program; and

**WHEREAS,** all acts, conditions and things required by the laws of the State of California to exist, to have happened and to have been performed precedent to and in connection with the consummation of the transactions authorized hereby do exist, have happened and have been performed in regular and due time, form and manner as required by law, and the ENTITY is now duly authorized and empowered, pursuant to each and every requirement of law, to consummate such transactions for the purpose, in the manner and upon the terms herein provided.

**NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE ENTITY AS FOLLOWS:**

Section 1. Findings. The ENTITY's Governing Body hereby specifically finds and determines that the actions authorized hereby relate to the public affairs of the ENTITY.

Section 2. Memorandum of Understanding. The Memorandum of Understanding, to be executed and entered into by and between the ENTITY and the Authority, in the form presented at this meeting and on file with the ENTITY's Secretary, is hereby approved. The ENTITY's Governing Body and/or Authorized Officers ("The Authorized Officers") are hereby authorized and directed, for and in the name and on behalf of the ENTITY, to execute and deliver to the Authority the Memorandum of Understanding.

Section 3. Program Participation. The ENTITY's Governing Body approves participating in the Special District Risk Management Authority's Health Benefits Program.

Section 4. Severability. If any provision of this resolution or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of the resolution which can be given effect without the invalid provision or application, and to this end the provisions of this resolution are severable.

Section 5. Other Actions. The Authorized Officers of the ENTITY are each hereby authorized and directed to execute and deliver any and all documents which are necessary in order to consummate the transactions authorized hereby and all such actions heretofore taken by such officers are hereby ratified, confirmed and approved.

Section 6. Effective Date. This resolution shall take effect immediately upon its passage.

**ADOPTED AND SIGNED** on this 10th day of September 2026

AYES:

NOES:

ABSENT:

______________________________

President, Board of Directors Murphys Sanitary District

Attest:

______________________________

Clerk, Board of Directors of Murphys Sanitary District

# STAFF REPORT

**DATE**: September 10, 2026

**TO**: Members of the Board

**FROM:** Kristina Fillmore, Administration Manager

**SUBJECT:** Adoption of Resolution 2026-09 Authorizing Administration Manager to Enter into CWSRF Loan Agreement

**Recommendation:**

Staff recommends adoption of Resolution 2026-09, authorizing the Administration Manager to execute the Clean Water State Revolving Fund (CWSRF) Loan Agreement and related documents on behalf of the District.

**Background:**

Blackwater Engineering will submit the final loan application documents to the State Water Resources Control Board.

This proposed project is to replace the existing force main and the wastewater treatment plant filtration system.

**Discussion:**

As part of the CWSRF loan application process, the District must designate an authorized representative to execute documents related to the application and loan agreement.

**Fiscal Impact:**

The District is currently requesting $6,032,000 in CWSRF loan assistance. There is no anticipated loan repayment impact in 26/27 fiscal year. Based on the project timeline and financing schedule, loan repayment is estimated to start in 2029.

**Attachment:**

2026-09 Authorizing Resolution

CWSRF General Application Package

Attachment F5a

# AUTHORIZING RESOLUTION/ORDINANCE

COPY

RESOLUTION NO: 2026-09

WHEREAS Murphys Sanitary District Wastewater Treatment Plan Improvement Loan
*(insert appropriate findings)*

RESOLVED BY THE Board of Directors OF THE
*(insert name of Governing Board of the Entity)*
Murphys Sanitary District (the "Entity"), AS FOLLOWS:
*(insert Entity name)*

The Administration Manager (the "Authorized Representative") or designee is
*(insert Title of Authorized Representative)*
hereby authorized and directed to sign and file, for and on behalf of the Entity, a Financial Assistance Application for a financing agreement from the State Water Resources Control Board for the planning, design, and construction of the Force Main and Filtration System Improvements (the "Project").
*(insert Project Name)*
This Authorized Representative, or his/her designee, is designated to provide the assurances, certifications, and commitments required for the financial assistance application, including executing a financial assistance agreement from the State Water Resources Control Board and any amendments or changes thereto.

The Authorized Representative, or his/her designee, is designated to represent the Entity in carrying out the Entity's responsibilities under the financing agreement, including certifying disbursement requests on behalf of the Entity and compliance with applicable state and federal laws.

## CERTIFICATION

I do hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Murphys Sanitary District Board of Directors held
*(insert name of Governing Board of the Entity)*
on September 10, 2026.
*(Date)*

___

*(Name, Signature, and Seal of the Clerk or Authorized Record Keeper of the Governing Board of the Agency)*

# General Application Form

## I. APPLICANT INFORMATION

Applicant Name: Murphys Sanitary District

Street Address: 15 Ernest Street | City: Murphys | State: CA | Zip+4 Code: 95247

Applicant Type: [x] Public [ ] Indian Tribe [ ] Nonprofit [ ] Other: Specify:

County: Calaveras County | Charter City/County: [ ] Yes [x] No

Mailing Address: 15 Ernest Street, Suite A | City: Murphys | State: CA | Zip+4 Code: 95247

Applicant Total Population: 1,866

Current year median household income (MHI): $73,571

Congressional District(s): 5th Congressional District

State Senate District(s): 4th State Senate District

State Assembly District(s): 8th State Assembly District

Data Universal Numbering System (DUNS) No.: 00-495-7031 | Federal Tax ID No.: 94-1569552

Regional Water Board where the project will take place: [ ] 1 (North Coast) [ ] 2 (San Francisco Bay) [ ] 3 (Central Coast) [ ] 4 (Los Angeles) [x] 5 (Central Valley) [ ] 6 (Lahontan) [ ] 7 (Colorado River) [ ] 8 (Santa Ana) [ ] 9 (San Diego)

Authorized Representative Name: Kristina Fillmore | Title: Administration Manager

Phone No.: (209) 728-3094 | Email Address: kristina@murphyssd.org

Contact Person Name: Kristina Fillmore

Phone No.: (209) 728-3094 | Email Address: kristina@murphyssd.org

Local Counsel Name: Jeffrey Hoskinson

Phone No.: (949) 453-4287 | Email Address: jeff.hoskinson@aalrr.com

## II. PROJECT INFORMATION AND PROPOSED SCHEDULE

Project Title: Murphys Sanitary District Collection System & Wastewater Treatment Plant Improvements Loan

Project Description and Objectives: *(Enter a brief description of the project and its objectives)*
Install and/or replace antiquated sanitary sewer pipes, manholes, and cleanouts within the Murphys Sanitary District collections system. Replace the existing sand filtration system consisting of seven Silica Sand Media Filter Tanks.

Current Status of Plans & Specifications: Percent (%): 30

Amount of Assistance Requested: $6,032,000

Total Project Cost (If More Than the Amount of Assistance Requested):

Project Location Street Address: N/A | City: Murphys | State: CA | Zip+4 Code: 95247

Project Location - Latitude: 38.13736 | Project Location - Longitude: 120.4597

NPDES Permit or WDR Order No.: N/A

Population Served by Project: 1,866

Currently Estimated Project Schedule:

| | Estimated or Actual Date |
|---|---|
| Adopt Environmental Documents | January 2028 |
| 100% Plans & Specifications | January 2028 |
| Start of Construction/Implementation | June 2028 |
| Complete Construction/Implementation | December 2028 |

**Environmental Consultations**
Please list other Federal agencies that have been involved in or completed consultations related to Federal environmental requirements, their contact information if known, and brief descriptions of the status of these consultations.

Amy Augustine, AICP
Augustine Planning Associates, Inc., tuolandplanner@gmail.com, (209)532-7376

**Other Consultations**
Please list other Federal agencies that have been involved in this project (e.g. planning, CEQA/NEPA consultation, funding, etc.), their contact information if known, and brief descriptions of the status of these consultations.

N/A

**Partnering Agencies**
Please list all other agencies that have an interest in this project, their contact information if known, and brief descriptions of their roles.

N/A

**III. ATTACHMENTS**

| | |
|---|---|
| ☑ | Complete and attach the SRF Flags Worksheet to the General Information Package. (Required for all applications) |
| ☐ | Complete and attach the Priority Score Estimation Worksheet to the General Information Package. (Optional) |

**CERTIFICATION AND SIGNATURE OF AUTHORIZED REPRESENTATIVE**
To the best of my knowledge and belief, I certify that I am authorized to submit this application; the information provided in this application is true and correct; the documentation has been duly authorized by the governing body of the applicant; and the entity possesses the legal authority to apply for the financing and enter into a financing agreement with the State Water Resources Control Board and to finance and construct the proposed facilities.

Name of Authorized Representative: Kristina Fillmore  Title: Administration Manager

Signature of Authorized Representative:  Date:

Attachment F7

# SCHEDULE OF SYSTEM OBLIGATIONS

Except for the following and the Obligation evidenced by this Agreement, the Recipient certifies that it has no outstanding System Obligations and that it is in compliance with all applicable additional debt provisions of the following:

**The following related debts are senior to the proposed CWSRF financing:**

| Name of Lender and Title of Debt or Loan Number | Debt Security or Source of Revenue | Debt Service Coverage Requirement | Original Debt Amount | Current Balance | Payment Amount | Interest Rate | Debt Term & Maturity Date |
|---|---|---|---|---|---|---|---|
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |

**The following related debts are on parity to the proposed Financing Agreement:**

| Name of Lender and Title of Debt or Loan Number | Debt Security or Source of Revenue | Debt Service Coverage Requirement | Original Debt Amount | Current Balance | Payment Amount | Interest Rate | Debt Term & Maturity Date |
|---|---|---|---|---|---|---|---|
| State Water Resource Board | Wastewater Revenues | None | $ 1,003,397 | $ 872,960.64 | $ 43,670.48 | 1.80 | 4 / 2049 |
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |

**The following related debts are subordinate to the proposed Financing Agreement:**

| Name of Lender and Title of Debt or Loan Number | Debt Security or Source of Revenue | Debt Service Coverage Requirement | Original Debt Amount | Current Balance | Payment Amount | Interest Rate | Debt Term & Maturity Date |
|---|---|---|---|---|---|---|---|
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |
| | | | $ | $ | $ | | / |

**Attach copies of the debt documents associated with the above debts.**

# State of California - State Water Resources Control Board
# Clean Water State Revolving Fund Payment Schedule

**Recipient:** Murphys Sanitary District
**Project No.:** C-06-8039-110
**Agreement No.:** D1701030-550-0

**Date:** 3/9/2026
**Amount:** 1,003,397
**Interest rate:** 1.800%
**Term:** 30 Years

| | | | | | Construction Period Interest (CPI) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Disbursement/ Payment | No. | Beginning Balance | Draw Amount | Amount Accrued | Amt. Trans. to Principal | Annual Interest Accrued | Principal Paid/Due | Interest Paid/Due | Total Payment | Ending Balance |
| 18-Mar-2021 | Disbursement | 12 | 0.00 | 362,235.00 | 0.00 | | | | | 0.00 | 362,235.00 |
| 18-Mar-2021 | Disbursement | 13 | 362,235.00 | 641,162.00 | 0.00 | | | | | 0.00 | 1,003,397.00 |
| 30-Apr-2021 | Const. Compl. | | 1,003,397.00 | | 2,107.13 | 2,107.13 | | | | 0.00 | 1,005,504.13 |
| 30-Jun-2021 | End FY | | 1,005,504.13 | | | | 3,016.51 | | | 0.00 | 1,005,504.13 |
| 30-Apr-2022 | Payment | 1 | 1,005,504.13 | | | | 15,082.56 | 25,571.41 | 18,099.07 | 43,670.48 | 979,932.72 |
| 30-Apr-2023 | Payment | 2 | 979,932.72 | | | | 17,638.79 | 26,031.69 | 17,638.79 | 43,670.48 | 953,901.03 |
| 30-Apr-2024 | Payment | 3 | 953,901.03 | | | | 17,170.22 | 26,500.26 | 17,170.22 | 43,670.48 | 927,400.77 |
| 30-Apr-2025 | Payment | 4 | 927,400.77 | | | | 16,693.21 | 26,977.27 | 16,693.21 | 43,670.48 | 900,423.50 |
| 30-Apr-2026 | Payment | 5 | 900,423.50 | | | | 16,207.62 | 27,462.86 | 16,207.62 | 43,670.48 | 872,960.64 |
| 30-Apr-2027 | Payment | 6 | 872,960.64 | | | | 15,713.29 | 27,957.19 | 15,713.29 | 43,670.48 | 845,003.45 |
| 30-Apr-2028 | Payment | 7 | 845,003.45 | | | | 15,210.06 | 28,460.42 | 15,210.06 | 43,670.48 | 816,543.03 |
| 30-Apr-2029 | Payment | 8 | 816,543.03 | | | | 14,697.77 | 28,972.71 | 14,697.77 | 43,670.48 | 787,570.32 |
| 30-Apr-2030 | Payment | 9 | 787,570.32 | | | | 14,176.27 | 29,494.21 | 14,176.27 | 43,670.48 | 758,076.11 |
| 30-Apr-2031 | Payment | 10 | 758,076.11 | | | | 13,645.37 | 30,025.11 | 13,645.37 | 43,670.48 | 728,051.00 |
| 30-Apr-2032 | Payment | 11 | 728,051.00 | | | | 13,104.92 | 30,565.56 | 13,104.92 | 43,670.48 | 697,485.44 |
| 30-Apr-2033 | Payment | 12 | 697,485.44 | | | | 12,554.74 | 31,115.74 | 12,554.74 | 43,670.48 | 666,369.70 |
| 30-Apr-2034 | Payment | 13 | 666,369.70 | | | | 11,994.65 | 31,675.83 | 11,994.65 | 43,670.48 | 634,693.87 |
| 30-Apr-2035 | Payment | 14 | 634,693.87 | | | | 11,424.49 | 32,245.99 | 11,424.49 | 43,670.48 | 602,447.88 |
| 30-Apr-2036 | Payment | 15 | 602,447.88 | | | | 10,844.06 | 32,826.42 | 10,844.06 | 43,670.48 | 569,621.46 |
| 30-Apr-2037 | Payment | 16 | 569,621.46 | | | | 10,253.19 | 33,417.29 | 10,253.19 | 43,670.48 | [illegible],204.17 |
| 30-Apr-2038 | Payment | 17 | 536,204.17 | | | | 9,651.68 | 34,018.80 | 9,651.68 | 43,670.48 | 502,185.37 |
| 30-Apr-2039 | Payment | 18 | 502,185.37 | | | | 9,039.34 | 34,631.14 | 9,039.34 | 43,670.48 | 467,554.23 |
| 30-Apr-2040 | Payment | 19 | 467,554.23 | | | | 8,415.98 | 35,254.50 | 8,415.98 | 43,670.48 | 432,299.73 |
| 30-Apr-2041 | Payment | 20 | 432,299.73 | | | | 7,781.40 | 35,889.08 | 7,781.40 | 43,670.48 | 396,410.65 |
| 30-Apr-2042 | Payment | 21 | 396,410.65 | | | | 7,135.39 | 36,535.09 | 7,135.39 | 43,670.48 | 359,875.56 |
| 30-Apr-2043 | Payment | 22 | 359,875.56 | | | | 6,477.76 | 37,192.72 | 6,477.76 | 43,670.48 | 322,682.84 |
| 30-Apr-2044 | Payment | 23 | 322,682.84 | | | | 5,808.29 | 37,862.19 | 5,808.29 | 43,670.48 | 284,820.6[illegible] |
| 30-Apr-2045 | Payment | 24 | 284,820.65 | | | | 5,126.77 | 38,543.71 | 5,126.77 | 43,670.48 | 246,276.[illegible] |
| 30-Apr-2046 | Payment | 25 | 246,276.94 | | | | 4,432.98 | 39,237.50 | 4,432.98 | 43,670.48 | 207,039.44 |
| 30-Apr-2047 | Payment | 26 | 207,039.44 | | | | 3,726.71 | 39,943.77 | 3,726.71 | 43,670.48 | 167,095.67 |
| 30-Apr-2048 | Payment | 27 | 167,095.67 | | | | 3,007.72 | 40,662.76 | 3,007.72 | 43,670.48 | 126,432.91 |
| 30-Apr-2049 | Payment | 28 | 126,432.91 | | | | 2,275.79 | 41,394.69 | 2,275.79 | 43,670.48 | 85,038.22 |

# ADMINISTRATION REPORT

**DATE:** September 10, 2026

**TO:** Members of the Board

**FROM:** Kristina Fillmore, Administration Manager

**SUBJECT:** Administration Report

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**Algiers Street Project Status**

Work has been delayed due to a redesign of the project. To avoid the easement that was delaying the project and challenges in obtaining the necessary cooperation from the property owner, staff elected to redesign the pipe replacement to avoid the affected property. The revised design is currently under review.

**CWSRF Loan/Grant Project Status**

Blackwater Engineering is proceeding with submission of the final Clean Water State Revolving Fund (CWSRF) loan application documents to the State Water Resources Control Board for the Wastewater Treatment Plant improvement project. The current amount of loan assistance requested is approximately $6,032,000. The project includes replacement of the existing force main and filtration system. A separate agenda item addresses authorization for the Administration Manager to execute documents related to the financing application.

**Quarterly Board Meetings**

The District has transitioned to its quarterly regular Board meeting schedule pursuant to Resolution No. 2026-05. The September meeting is the first regular quarterly meeting under the revised schedule. Special meetings may continue to be scheduled as necessary to address District business between regular meetings.

**Board Election / Director Seats**

The candidate filing period for the November 2026 General Election has concluded. Murphys Sanitary District had two Board of Director seats scheduled for election. Because the number of qualified candidates did not exceed the number of available seats, the District's Board positions will not appear on the November ballot. The qualified candidates will instead be appointed to the Board in accordance with the applicable election process.

Any remaining vacancy for which no qualified candidate filed will be filled through the appointment process. Staff will continue to coordinate with the Calaveras County Elections Office and provide the Board with updates as the process is completed.

**Personnel and Administration**

Operations staff continues preventative maintenance throughout the collection system and treatment facilities. Administrative staff continues work on financial reporting, customer account administration, records management, Board support, and implementation of District policies and procedures.

**Grants & Funding Opportunities**

Staff continues monitoring State and Federal grant and financing opportunities that may assist with future capital improvements. Available funding opportunities will be evaluated as appropriate to reduce long-term impacts on District ratepayers and preserve District reserves.

**Rate Implementation**

The temporary residential adjustment establishing an $80.00 monthly residential rate remains in effect for Fiscal Year 2026/27. Staff continues responding to customer questions, reviewing account classifications, and administering the adopted Cost of Service Rate Study in accordance with Board direction.

# Murphys Sanitary District STAFF REPORT

**DATE:** September 10, 2026

**TO:** Honorable Members of the Board

**FROM:** Dan Murphy, Chief Plant Operator

**SUBJECT:** Operational Staff Report

OPERATIONAL JULY 2026 TOTALS AND SUMMARY

| | |
|---|---|
| Water storage levels in Pond# 4 | A gain of a little over 2 feet freeboard in Pond 4 during July, starting August 2026 at an elevation of 2265'.9"- 7'.3" freeboard<br>Historically in line with desired water level in storage for this time of year. |
| PG&E Kilo Use | 492 kWhrs at WWTP<br>77 kWhrs at IPS<br>Power consumption well within expected amounts of Influent and Effluent pumping done in July. |
| Rain Fall at WWTF | No rain was recorded in July 2026 |
| CL2 Usage | 1160 gallons of liquid chlorine used for 15 days of Effluent pumping to KHS combined with 6 days of discharge to our LAA spray fields |
| Plant influent gallons | 3,943,200 gallons received in July- 300,000 gallons more than July 2025 |
| Effluent gallons | 6,994,453 gallons total<br>(600,000 less than July 2025)<br>6,501,953 gallons treated and discharged to KHS<br>492,500 gallons treated and discharged to our LAA Spray Fields |
| Ironstone Influent | 348,000 gallons metered |
| Hydro flushing lineal footage | >8,000' of Collections |
| Sewer Overflow Count | None<br>7th consecutive month this year without any SSOs, a direct result of field crew's flushing and video inspection preventative maintenance regiment |
| Spray Field Gallons Applied | 492,500 gallons alternately applied to all three fields over 6 days of spraying |

# Murphys Sanitary District STAFF REPORT

**DATE:** September 10, 2026

**TO:** Honorable Members of the Board

**FROM:** Dan Murphy, Chief Plant Operator

**SUBJECT:** Operational Staff Report

**AUGUST 2026** OPERATIONAL MONTHLY TOTALS AND SUMMARY

| | |
|---|---|
| Water storage levels in Pond# 4 | A gain of a foot and a half of freeboard in Pond 4 storage in August. Starting September 2026 at an elevation of 2264'.2"- roughly 35 million gallons in storage prior to harvest. |
| PG&E Kilo Use | 468 kWhrs at WWTP<br>72 kWhrs at IPS<br>Power consumption normal for amount of Influent and Effluent processed and pumped |
| Rain Fall at WWTF | No rain was recorded in August 2026 |
| CL2 Usage | 632 gallons of liquid chlorine used for 9 days of Effluent pumping to KHS and Spray fields |
| Plant influent gallons | 3,844,800 million gallons received, historically typical for August |
| Effluent gallons | 4,426,402 gallons total treated and discharged<br>4.1 million gallons to KHS over 9 days<br>323,200 gallons alternately applied to spray fields over 4 days |
| Ironstone Influent | 511,000 gallons metered |
| Hydro flushing lineal footage | >5,500 feet of Collections flushed and inspected |
| Sewer Overflow Count | None, eighth consecutive month without an SSO |
| Spray Field Gallons Applied | 323,200 gallons applied total<br>159,600 gallons on SF 1- two days<br>79,400 gallons on SF 2- one day<br>84,200 gallons SF 3- one day |

Triplepoint
Murphys Sanitary District Case Study
Draft 2 – August 18, 2026

(Headline)

**Tourism Saved this Former California Gold Rush Town from Extinction.**
**A Wastewater Plant Upgrade Helped Ensure Its Ongoing Success.**

(Subhead)

*A creative solution from Triplepoint overcame multiple challenges faced by Murphys Sanitary District and its commitment to turning the community's wastewater into high-quality recycled water.*

(Copy)

This is a story ripe for the telling.

Nearly 200 years ago, two daring young Irishmen, brothers John and Daniel Murphy, were part of the first party of immigrants to brave the harrowing wagon trip across the Sierra Nevada Mountains to Sutter's Fort, arriving worn and tattered in 1844. Their aim was to make a fortune as goldminers during the California Gold Rush. While they did do some mining, the Murphys launched a lucrative business as shopkeepers, selling food and supplies to miners, first in Vallecito and then in a new location aptly named Murphy's Camp.

Within five years, John Murphy had amassed a fortune of nearly $2 million and left the camp never to return. Brother Dan remained, content with running a successful store and livery business. When the Gold Rush petered out in 1855, some $20 million in gold had been discovered in the area. Murphy's Camp became simply Murphys, home to the hardy few still bent on making their fortunes.

Many of California's mining towns became ghost towns, but Murphys persisted. In 1959, Murphys Sanitary District was officially founded to treat the village's wastewater, which it still does today. By the early 2000s, Murphys was a bedroom community for other towns in Calaveras County, with a population that hovered around 2000 residents. Tourists would pass through on their way to Big Bear Lake, a popular destination for skiing and other outdoor pursuits.

(Subhead)

**A New Concert Venue Turns Murphys into a Tourism Destination**

In 2005, Ironstone Vineyard opened the Ironstone Amphitheatre for concerts and special events, sparking a renaissance of the picturesque former mining hamlet. Artists performing at the venue—Hank Williams, Jr., Chris Isaak, Patti LaBelle, Melissa Etheridge, Big and Rich, and others—drew tens of thousands of fans to Murphys.

Eager to cash in of the sudden burst of tourism, other businesses followed. Today, the village is home to 25 wine tasting rooms and vineyards, numerous art galleries and antique shops, oven-fired pizza shops and craft food kitchens, plus nearly 400 Airbnb and VRBO rentals.

Dan Murphy, head operator for Murphys Sanitary District and no relation to the original Dan Murphy, says the village is blessed by its success. Tourism has increased demand for wastewater processing. Fortunately, Murphy's tremendous team of operators has kept up with growth.

"We have incredible pride in our work and the people we serve," he says. "We've been lucky to recruit a great group of people of all ages. We're all invested in our work and putting out a great product."

That product is high-quality recycled water. The District processes 125,000 gallons of wastewater a day, a volume that can surge as much as 20 to 30 percent during tourist season and special events. Its 2,000 fulltime customers are largely local residents. There is no heavy industry; most business customers are in the hospitality industry.

Murphys Sanitary District relies on four gravity-fed lagoons, two of which are same-sized squares: pond one for primary treatment and pond two for secondary treatment. There is also a holding pond and a 35-acre reservoir with a capacity of 69 million gallons.

Why such a large reservoir? Simple. Ninety-five percent of the District's recycled water is provided to a local vineyard for irrigation. After filtration and chlorine disinfection, the District pumps the treated water to the vineyard during the growing and harvest seasons, March through October. The recycled water is provided to the vineyard free of charge, which Murphy calls a win for everyone.

"By working with the vineyard, Murphys Sanitary District plant does not have to pay to discharge our effluent, which allows us to keep our rates to customers low. The vineyard doesn't have to purchase water for its drip irrigation, and it supports their sustainability efforts. Finally, it helps the State of California conserve water in the face of ongoing droughts," he explains.

"The grapevines love the phosphorous in the recycled water," he adds with a smile.

(Subhead)

**With Success Come Challenges**

It would seem that Murphys Sanitation District was living the life of Riley, what with a strong local economy, a symbiotic partnership with a vineyard, and customers enjoying low utility bills. However the District's equipment was antiquated, and the effectiveness of its aeration system was rapidly diminishing, making overall processing more challenging. Because the equipment was nearing the end of its life, processing was increasingly unreliable and energy inefficient. Maintenance issues were common and time consuming.

Funding for upgrades was scarce. Despite the success of the village's tourism industry, the Murphys Sanitary District receives no tax dollars from the Transient Occupancy Tax (TOT) collected by the state. With no money for improvements, the impact of thousands of visitors each year was taking its toll on wastewater processing and the team's efforts to keep things running smoothly.

"The Airbnbs and VRBOs definitely increased our load. People flush all kinds of wipes, toilet bowl cleaning pads and cooking oils—stuff they shouldn't. They just dump and go. It created a maintenance issue for us. We had to clean the screens by hand on a daily basis before processing," Murphy says.

Another issue for the District is the geological makeup of the region. It's largely rock, inhibiting rainfall percolation. Runoff from large storms can add as much as a half-million gallons to a system that typically processes 125,000 gallons a day. A solution was long overdue.

(Subhead)

**Journey to the Solution**

In 2013, Murphys Sanitation District began working with Black Water Consulting Engineers on a plan to upgrade its wastewater processing plant. Black Water brought in Triplepoint, a company recognized across North America as the lagoon experts; and JBI Water, which represents manufacturers of water and wastewater processing equipment. The group went through several iterations of designs while pursuing funding through state revolving funds. It took six years to get the upgrade project approved and funded.

Most people would have gotten frustrated, but Murphy kept pushing ahead. "We limped along as best we could with the equipment we had." He gives Tom Daugherty of Triplepoint and Simon Morris of IBJ Water much of the credit for finally getting the project off the ground.

"I never felt like Tom and Simon were trying to sell us something. They were always willing to hop on a call or meet face-to-face. The way they do business inspired confidence," Murphy says.

The ultimate solution focused primarily on upgrading Murphy Sanitary District's upfront processing with the addition of 29 Triplepoint Ares Aerators®. The lagoon industry standard for effective and efficient performance, Ares Aerators combine fine bubble oxygenation and robust mixing in each portable system. Computational Fluid Dynamics Modeling demonstrates Ares Aerators deliver pumpage of 7,800 gallons per minute. This leads to better treatment and lower sludge levels on the bottom of lagoons.

The plan called for 25 Ares Aerators to be installed in pond one where primary processing is done. This would deliver optimal aeration in the shallow, eight-foot-deep pond. The remaining four aerators would be installed in pond two. However, before the aerators could be installed in pond one, built-up sludge had to be removed. Here's where the plan got really creative.

Like most plants, Murphys Sanitary District couldn't afford to take its primary processing pond offline for an extended period. So Triplepoint's Tom Daugherty and JBI's Simon Morris suggested that they install the new Ares aerators in pond two to temporarily handle primary processing needs. This would allow pond one to be taken offline for sludge removal. Delivering recycled water to the vineyard for irrigation would not be interrupted. Post sludge removal, 25 of the Ares Aerators would be moved from pond two to pond one to resume primary processing duties.

Looking at the plan on paper, it seems like a costly, labor-intensive solution. However, in a major cost-saving move, the decision was made to drain pond one and let the sludge dry out over a period of several months. Once dry, a front loader would be used to remove the dried sludge. While more time-consuming, this approach delivered a huge savings over removing the liquid sludge and dewatering.

The decision was easy for the District. "It would have cost us hundreds of thousands of dollars more to do live dredge and dewater. Dry sludge is much easier and cost effective to handle. We saved on dewatering, hauling and disposal expenses," Murphy explains.

"We were very fortunate to have the second pond to shift processing to while pond one was rehabbed," he adds.

(Subhead)

**A Big Switch in Just Two Days**

With sludge removal complete, it was time to reactivate pond one's role as the primary treatment pond. This involved four critical steps:

1) Removing 25 of the Triplepoint Ares Aerators and heavy-flex tubing connecting them to the blower from pond two.
2) Repositioning the four remaining Ares Aerators in pond two.
3) Pressure washing the Ares Aerators prior to installation in pond one.
4) Installing the flex tubing and Ares Aerators in pond one, connecting to the blower, and flipping the switch to on.

IWS Contractors with a backhoe assisted by Triplepoint's Tom Daugherty and his boat, JBI Water's Simon Morris, and District operators as allowed accomplished steps one through three in a single day. Step four was completed in one day. All told, the plant was offline for just two days!

Says Murphy, "Moving the equipment wasn't rocket science, but it had to be done very carefully. All of the aerators had to be placed evenly to optimize aeration. It was an all-hands-on deck couple of days."

The impact of the new Ares Aerators was immediate. "Our aeration is massively improved. Our dissolved oxygen's been phenomenal from day one of bringing the aerators online. Our BOD and nitrate removal is high 90$^{th}$ percentile, our energy costs are down, and maintenance is much easier," Murphy reports.

He's also pleased that the plant's processing capacity is 12 to 15 percent higher. This has helped accommodate the fluctuation in volumes due to tourists and special events. The new headworks and automated screening of influent has eliminated the former need for manual intervention due to trash caught in the previous screens.

Six years later, Murphys Sanitary District is still celebrating the success of the 2020 upgrade project. Say head operator Murphy, "I could not be happier with Triplepoint and the other companies involved with our project."

The following "blurbs" are used to highlight important information and also break up the text of the overall story.

**BLURB 1 ON COVID AND BRIDGE LOAN**

“Murphys’ upgrade project was finally approved in 2019 and got started in 2020, right in the thick of COVID. This challenged the entire project. Everyone had to wear masks and have their temperatures taken every day. There were supply chain issues on equipment. State government pretty much shut down so we had an issue getting funding. We ended up getting a $1 million bridge loan. Despite this we stuck to our timeline and kept the project on track.”

Dan Murphy, Head Operator
Murphys Sanitary District
Murphys, California

**BLURB 2 TO OTHER DISTRICTS**

“Lagoons are very community friendly. They are lower in cost than a mechanical plant and require less maintenance. Lagoons are an extremely green solution. They’re not reliant on chemicals. Oxygen and detention time process the wastewater naturally. Why not let nature do what it wants to do—clean the water?”

Dan Murphy, Head Operator
Murphys Sanitary District
Murphys, California

**BLURB 3 FROM DAN ON THE RESULTS**

“Since we installed the Triplepoint Ares Aerators, our reactor numbers are through the roof! The aerators feed the bugs real well; they’re very healthy and doing their job. Ten times better than what we had before.”

Dan Murphy, Head Operator
Murphys Sanitary District
Murphys, California

**BLURB 4 – SIMON ON TRIPLEPOINT**

“Lagoons have been around for hundreds of years and are perceived as nontechnical compared to mechanical plants that are predictable performance. Triplepoint has transformed the lagoon industry with their ability to model performance of a lagoon like a mechanical plant to achieve high level performance. Triplepoint has brought science, modeling, and processes to lagoon-based wastewater treatment that weren’t there before.”

Simon Morris
JBI Water + Wastewater Equipment