



# South Placer Wastewater Authority Operations and Funding Update

SPMUD Board of Directors Meeting October 5, 2023

# South Placer Wastewater Authority

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- SPWA – Joint Powers Authority
  - City of Roseville
  - South Placer Municipal Utilities District (SPMUD)
  - Placer County
- Provides funding for treatment plant capacity for new development
  - Projects such as the Pleasant Grove Expansion Project are funded through the SPWA
- Funded by Regional Wastewater Connection Fees

# SPWA Operations and Maintenance

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- SPWA regional facilities are operated per an Operations and Use Agreement between the partner agencies.
- SPWA partner agencies fund operations and maintenance at the two regional treatment plants based on proportional share of the flow to the plants.
- The City of Roseville budget for operations, maintenance, and rehabilitation of the plants.
- Partner agencies fund their proportional share of costs through 3 estimated quarterly payments and an annual “true up”.
- Quarterly estimated payments include budgeted O&M costs and projected expenditures for capital rehabilitation projects.
- The annual true up is based on actuals for O&M costs and capital rehabilitation project expenditures.



# Projected Costs

| Project Number            | Project Name   | Remaining Cost                        | FY24            | FY25            | FY26            | FY27            | FY28            |
|---------------------------|--|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| All Values in \$ millions |  |                                       |                 |                 |                 |                 |                 |
| 400064                    | Wastewater Treatment Plants PLC Rehabilitation         | \$3,400,000                           | \$ 1.70         | \$ 1.70         |                 |                 |                 |
| 500060                    | PGWWTP IPS VFD Replacement                             | \$4,000,000                           | \$ 2.00         | \$ 2.00         |                 |                 |                 |
| 500061                    | DCWWTP 66in Influ Pipe Replacement                     | \$1,100,000                           | \$ 0.50         | \$ 0.60         |                 |                 |                 |
| 500063                    | Dry Creek Operations and Lab Building                  | \$10,500,000                          | \$ 0.50         | \$ 5.00         | \$ 5.00         |                 |                 |
| 500064                    | Dry Creek and Pleasant Grove WWTP Lighting Rehab       | \$400,000                             | \$ 0.40         |                 |                 |                 |                 |
| 500143                    | Regional 30-inch Interceptor Rehabilitation            | \$175,000                             | \$ 0.18         |                 |                 |                 |                 |
| 500191                    | 63-inch and 66-inch Interceptor Rehabilitation         | \$300,000                             | \$ 0.30         |                 |                 |                 |                 |
| 500192                    | DCWWTP Biofilter System Rehabilitation                 | \$5,200,000                           | \$ 1.00         | \$ 2.20         | \$ 2.00         |                 |                 |
| 500193                    | DCWWTP Motor Control Center and Switchgear Replacement | \$7,700,000                           | \$ 3.00         | \$ 3.50         | \$ 1.20         |                 |                 |
| 500345                    | EU Cyber Security Assessment and Program Development   | \$100,000                             | \$ 0.05         | \$ 0.05         |                 |                 |                 |
| F10069                    | DCWWTP and PGWWTP Focused Condition Assessment         | \$1,000,000                           |                 | \$ 1.00         |                 |                 |                 |
| F10070                    | DCWWTP Utility Water Rehab                             | \$600,000                             |                 | \$ 0.20         | \$ 0.40         |                 |                 |
| projected                 | DCWWTP Tertiary Filter Rehab                           | \$4,400,000                           |                 |                 |                 | \$ 1.00         | \$ 3.40         |
| projected                 | DCWWTP Digester 1 Roof Rehab                           | \$3,000,000                           |                 | \$ 0.50         |                 |                 | \$ 2.50         |
| projected                 | PGWWTP Ox Ditch Expansion Joints Repairs               | \$500,000                             |                 |                 |                 |                 | \$ 0.50         |
| projected                 | SCADA/WINDOWS/HDR Upgrade                              | \$1,333,333                           |                 | \$ 1.33         |                 |                 |                 |
|                           | <b>REHABILITATION AND REPLACEMENT</b>                  | <b>Total</b>                          | <b>\$ 9.63</b>  | <b>\$ 18.08</b> | <b>\$ 8.60</b>  | <b>\$ 1.00</b>  | <b>\$ 6.40</b>  |
|                           |  | <b>SPMUD Projected Share - 26.34%</b> | <b>\$ 2.54</b>  | <b>\$ 4.76</b>  | <b>\$ 2.27</b>  | <b>\$ 0.26</b>  | <b>\$ 1.69</b>  |
|                           |  |                                       |                 |                 |                 |                 |                 |
|                           | <b>OPERATIONS AND MAINTENANCE</b>                      | <b>Total</b>                          | <b>\$ 31.06</b> | <b>\$ 32.74</b> | <b>\$ 34.59</b> | <b>\$ 36.55</b> | <b>\$ 38.32</b> |
|                           |  | <b>SPMUD Projected Share - 26.34%</b> | <b>\$ 8.18</b>  | <b>\$ 8.62</b>  | <b>\$ 9.11</b>  | <b>\$ 9.63</b>  | <b>\$ 10.09</b> |

# Pleasant Grove Energy Recovery Project

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- The ERP has two main financial benefits
  - rCNG revenue
  - Microturbine generators
- rCNG revenue includes
  - Sale of the rCNG
  - RINS credits (Renewable Identification Numbers)
  - LCFS credits (Low Carbon Fuel Standard)
- rCNG revenue will be credited to the partners annually at the true up

# Pleasant Grove Energy Recovery Project

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- Currently fueling 13 CNG trucks – 30 more ordered (long lead time)
- First quarterly sales invoice was July – Sept 2023 for \$40,041
- Estimated \$150,000 revenue from fuel sales annually with current number of trucks
- Estimated \$300,000 revenue from RINS and LCFS

# Questions

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