



## SMART Goal 5 - Environmental Sustainability

*Increase district-wide efficiency by adding new renewable energy resources, optimizing processes, implementing green building practices, and reducing overall water consumption.*

**Owners: Brian Macy - General Manager / Danny Friend - Director of Operations**

### **5.1 Increase Use of Sustainable Energy Sources and Optimize Efficiencies – “There is no waste; just wasted resources”.**

Key Success Measure	Location/Meeting Date	Responsible Department	Completion Date
<b>1) Add solar panels to District facilities and convert low electrical use sites to solar.</b>			
Resolution 2024-23 Power Purchase Agreement with Staten Solar	August 2024 Item 8	Operations	08/19/2024
Resolution 2024-23 Power Purchase Agreement with Trident Mission Springs	September 2024 Item 8	Operations	09/16/2024
Amendments to Power Purchase and Lease Agreements with Trident Mission Springs	October 2024 Item 9	Operations	10/21/2024
Resolution 2024-23: Agreement to enter into a power purchase agreement that would install solar photovoltaic systems at seven MSWD sites. Will generate approx. 4 MW of power and 9,000,000 kWh of renewable energy annually.	November 2024 Item 11	Operations	11/18/2024
Contract Admendment 1 with Tom Dodson & Associated for On-Call Environmental Consulting for the MSWD Solar Project	January 2025 Item 14	Engineering	01/21/2025
<b>2) Evaluate hybrid/electric technology opportunities.</b>			
<b>3) Explore biofuel opportunities.</b>			
<b>4) Reduce overall energy consumption associated with District facilities by 20% in the next three years.</b>			
<b>5) Evaluate opportunities to minimize greenhouse gas emissions in District operations.</b>			
<b>6) Leverage the District's solar resources and look into expansion financing opportunities, including grants, leasing, and power purchase agreement opportunities.</b>			
Resolution 2024-23 Power Purchase Agreement with Staten Solar	August 2024 Item 8	Operations	08/19/2024
Resolution 2024-23 Power Purchase Agreement with Trident Mission Springs	September 2024 Item 8	Operations	09/16/2024
Amendments to Power Purchase and Lease Agreements with Trident Mission Springs	October 2024 Item 9	Operations	10/21/2024
Award of Contract to Kenwood Energy for Professional Services to Provide CM Services for the Power Purchase Agreement	November 2024 Item 11	Operations	11/18/2024
Contract Amendment 1 with Tom Dodson & Associated for On-Call Environmental Consulting for the MSWD Solar Project	January 2025 Item 14	Engineering	01/21/2025

7) Enhance sustainability by minimizing waste in resources needed to meet operation and maintenance objectives.			
9) Explore additional sludge recycling options for future reuse.			
8) Consider the environmental impact on all business practices.			
10) Create an internal employee culture that proactively seeks ways to conserve water and energy and be more environmentally sustainable in everything we do.			
Employees are encouraged to conserve water and electricity in their everyday routines by doing things such as shutting off lights when not in their office, not printing unless absolutely needed, and considering their personal	NA		Ongoing
Other Actions Related to this Section			
Public Hearing - Ordinance 2024-01 - Establishing Rules and Regulations for Sewer Service	February 2024 Item 8	Engineering	02/20/2024
Adoption and promotion of industrial pre-treatment standards to allow for lawful discharge within the sewer limits.	July BOD Meeting and Website	Engineering	July 2024
5.2 Fleet Electrification			
Key Success Measure			Completion Date
1) Continue monitoring changes to fleet electrification mandates and work with regulators to ensure mandates are feasible.			
Staff continues to monitor California's ACF regulations and has developed a timeline for when electric vehicles will need to be introduced to the fleet.	NA	Administration	Ongoing
MSWD has provided the state with its Advanced Clean Fleet Reporting data and continues to update as necessary.	NA	Administration	April 2024 / Ongoing
2) Create a strategy that meets upcoming fleet electrification regulations and considers operational requirements. A financial analysis includes ongoing maintenance costs and the cost of electricity versus traditional fuel.			
Staff continues to monitor California's ACF regulations and has developed a timeline for when electric vehicles will need to be introduced to the fleet.	NA	Administration	Ongoing
3) Pursue grant opportunities to fund the inclusion of Electric Vehicles in our fleet and provide funding for necessary charging infrastructure.			
Staff continues to monitor funding opportunities for fleet EVs through HVIP and other funding sources.	NA	Administration	Ongoing
Other Actions Related to this Section			
5.3 Embrace Green Building Standards			
Key Success Measure			Completion Date
1) Reduce overall energy consumption associated with District facilities by 20% and incorporate greater green building standards in all building			

projects, including the new Critical Services Center.			
2) Ensure the new Critical Services Center design incorporates energy/water efficiency best practices, including but not limited to the building's positioning, solar control and shading, material selection, building envelope, efficient lighting (possible solar tubes), HVAC systems, and renewable energy systems.			
3) Evaluate building designs and perform a cost-benefit analysis of the impact of incorporating LEED Green Building standards in construction projects.			
4) Ensure all District construction projects adhere to California environmental laws and regulations.			
<b>Other Actions Related to this Section</b>			
Approval of the Update of the Develop/Contractor Handbook & Guidelines for the Design and Construction of Water and Sewer Facilities	<a href="#">February 2024 Item 8</a>	Engineering	02/20/2024
Developer/Contractor Handbook & Guidelines for Design and Construction of Water and Sewer Facilities Revisions	<a href="#">October 2024 Item 11</a>	Engineering	10/21/2024

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