



DAN KARLESKINT, LINCOLN, CHAIR  
ROBERT WEYGANDT, PLACER COUNTY  
PAULINE ROCCUCCI, ROSEVILLE  
BONNIE GORE, PLACER COUNTY  
BILL HALLDIN, ROCKLIN  
KEN GREHM, EXECUTIVE DIRECTOR

## MEETING OF THE BOARD OF DIRECTORS AGENDA

**May 12, 2022 5:00 PM**

Materials Recovery Facility Administration Building  
3013 Fiddymment Road, Roseville, CA 95747

*The WPWMA Board of Directors May 12, 2022 meeting will be open to in-person attendance. Individuals may also participate in the meeting via Zoom at <https://placer-ca-gov.zoom.us/j/91404176248>*

Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection by emailing the Clerk of the Board at [info@WPWMA.ca.gov](mailto:info@WPWMA.ca.gov). The Western Placer Waste Management Authority is committed to ensuring that persons with disabilities are provided the resources to participate fully in its public meetings. If you require disability-related modifications or accommodations please contact the Clerk of the Board at (916) 543-3960 or at [info@WPWMA.ca.gov](mailto:info@WPWMA.ca.gov). If requested, the agenda shall be provided in appropriate alternative formats to persons with disabilities. All requests must be in writing and must be received by the Clerk three business days prior to the scheduled meeting for which you are requesting accommodation. Requests received after such time will be accommodated if time permits.

1. Call Meeting to Order
2. Pledge of Allegiance (Director Roccucci)
3. Roll Call
4. Statement of Meeting Procedures (Clerk of the Board)
5. Public Comment  
This is a time when persons may address the Board regarding items not on this Agenda. It is requested that comments be brief, since the Board is not permitted to take any action on items addressed under Public Comment.
6. Announcements & Information
  - a. Reports from Directors ----
  - b. Report from the Executive Director (Ken Grehm) ----
  - c. Financial Reports (Eric Oddo) Pg. 3
  - d. Monthly Tonnage Reports (Eric Oddo) ----
  - e. Facility Improvements Financing Update (Ken Grehm) Pg. 5
  - f. Quarterly MRF Operator's Report (Nortech Waste) Pg. 19
  - g. Quarterly Landfill Operator's Report (Nortech Landfill) Pg. 27
7. Consent Agenda
  - a. Minutes of the Board Meeting held April 14, 2022 Pg. 29  
Approve as submitted.



- b. Minutes of the Board Meeting held April 22, 2022 Pg. 43  
Approve as submitted.
  - c. Agreement with SCS Engineers for Water Quality Monitoring Services Pg. 47  
(Will Scheffler)  
Authorize the Chair to sign an Agreement with SCS Engineers for water quality monitoring services at the Western Regional Sanitary Landfill for an amount not to exceed \$198,500.
  - d. Sole Source Agreement with 3D Datacom for CCTV Server Replacement (Jennifer Snyder) Pg. 55  
Authorize the Chair to sign a sole source Agreement with 3D Datacom to replace the CCTV camera server for an amount not to exceed \$56,997.
  - e. Module 6 Excavation and Soil Stockpiling (Ryan Schmidt) Pg. 69  
Approve project plans and specifications and authorize staff to solicit bids for excavation of Module 6 and the construction of soil stockpiles on Modules 1, 2, 10, and 11.
8. Action Items
- a. Fiscal Year 2022/23 Preliminary Budgets (Eric Oddo) Pg. 71  
Approve the Fiscal Year 2022/23 Preliminary Budgets for the Operating Fund, Closure/Postclosure Fund, Self Insurance Fund and Odor Management Fund as presented in Exhibits A, B and C.
9. Upcoming Agenda Items  
Identification of any items the Board would like staff to address at a future meeting.
10. Adjournment



**Western Placer Waste Management  
Operations Fund Income Statement  
(unaudited/depreciation excluded)**

Year-to-Date  
March 2022


	Year to Date			Variance	Notes
	Annual Budget	Budget	Actuals		
<b>Revenue</b>					
42010:Investment Income	109,229	81,922	53,756	(28,166)	Overestimated rate of return
42030:Rents and Concessions	412,477	309,358	371,052	61,694	Energy 2001 royalties exceeding budgeted amounts.
46240:Sanitation Services - Other	33,018	24,206	25,448	1,242	Quantity of waste tonnages received at facility exceeding budgeted projections
46250:Solid Waste Disposal	42,514,953	31,317,021	33,239,299	1,922,278	Quantity of waste tonnages received at facility exceeding budgeted projections
46430:Insurance	-	-	144,129	144,129	Represents first MRF fire claim payout
48030:Miscellaneous	7,500	5,625	141,507	135,882	Variance related to recyclable revenue sharing payment from Nortech, sale of excess soils and State oil grant funds
<b>Total Revenue</b>	<b>43,077,177</b>	<b>31,738,131</b>	<b>33,975,190</b>	<b>2,237,059</b>	
<b>Expenses</b>					
<b>Capital Assets:</b>					
54450:Equipment	385,000	284,016	-	284,016	Projects not initiated yet.
54470:Infrastructure	2,025,000	995,902	-	995,902	Projects not initiated yet.
54480:Land Improvements	8,048,140	2,245,027	1,391,736	853,291	Costs related to compost pond project only - project temporarily halted due to weather conditions.
<b>Operating Expenses:</b>					
51010:Wages and Salaries	2,187,698	1,640,773	1,454,394	186,379	Approximately \$198,280 allocated for positions not filled.
52030:Clothing and Personal	3,500	2,625	527	2,098	
52040:Communication Services Expense	35,000	26,250	8,136	18,114	SCADA related fees not yet realized or billed.
52050:Food	1,500	1,125	941	184	
52060:Household Expense	3,000	2,250	403	1,847	
52080:Insurance	212,000	159,000	161,759	(2,759)	Reflects monthly payment of property and drone insurance and full annual premium for pollution liability.
52140:Parts	1,500	1,125	203	922	
52160:Maintenance	32,746	24,559	22,006	2,553	Includes annual payment for drone deploy software. Other costs incurred monthly or quarterly.
52161:Maintenance - Building	25,000	18,750	21,138	(2,388)	Annual building maintenance costs significantly higher than budgeted or previous year's amounts
52170:Fuels & Lubricants	300	225	1,063	(838)	WPWMA now direct billed for vehicle fuel - previously built into County hourly labor rates as overhead.
52180:Materials - Buildings & Improvements	300	225	-	225	
52240:Professional / Membership Dues	2,600	2,600	3,185	(585)	
52250:Services and Supplies	200	150	480	(330)	
52260:Misc Expense	2,000	1,500	920	580	Per Placer County Auditor, costs should no longer be billed to this account.
52320:Printing	8,000	6,000	20,322	(14,322)	Includes \$14,368.38 in overhead costs previously built into County hourly labor rates as overhead.
52330:Other Supplies	25,000	18,750	15,791	2,959	
52340:Postage	3,500	2,625	3,055	(430)	
52360:Prof. & Special Svcs - General	4,730,305	3,547,728	1,545,690	2,002,039	Anticipated costs not yet realized due to phased nature of projects and resulting consultant services
52380:Prof. & Special Svcs - Tech., Eng. & Env.	75,000	56,250	75,562	(19,312)	
SC3140:Building Maintenance Installation and Repair Services					
SC3180:MRF Operations	5,000	3,750	-	3,750	
SC3190:Landfill Operations	19,397,601	13,139,615	11,018,132	2,121,483	Reduced processing fee payment in November 2021 due to service interruption from MRF fire
SC3320:Environmental and Ecological Services	2,764,327	2,073,245	1,459,478	613,767	Includes \$160,000 in reverse accruals and lower extra services charges than anticipated.
SC3322:Hazardous Waste	110,000	750,000	348,129	401,871	Labor charges for Auburn staff conducting WPWMA business - payments for Nov, Dec & Jan not yet posted.
52390:Prof. & Special Svcs - County	126,000	94,500	146,750	(52,250)	Reflects monthly LEA charges, annual payment of \$84,100 to Auditor and \$45,225 in unanticipated facility repair costs
52400:Prof. & Special Svcs - IT	40,000	30,000	13,465	16,535	Monthly IT charges less than budgeted amount.
52440:Rents and Leases - Equipment	100	75	-	75	
52450:Rents and Leases - Buildings & Improvements	100	75	-	75	
52460:Small Tools & Instruments	1,000	750	619	131	
52480:PC Acquisition	12,500	12,500	-	12,500	
52510:Commissioner's Fees	6,000	4,500	2,800	1,700	Did not hold the 8/21 or 2/22 meetings: one director absent at October meeting.
52540:Signing & Safety Material	10,000	7,500	48	7,452	Majority of budget for new facility signage with change in facility operators; cost not yet incurred.
52570:Advertising	30,000	22,500	12,686	9,814	Actual advertising costs lower than budgeted.
52580:Special Department Expense	14,060	10,545	4,075	6,470	Budgeted for office equipment for additional staff - staff not yet hired, office equipment not required yet.
52785:Training / Education	10,000	7,500	3,472	4,028	Training expenses not realized yet.
52790:Transportation and Travel	50,000	37,500	33,636	3,864	
52800:Utilities	300,000	225,000	87,594	137,406	Annual costs factored into YTD budget amount but not billed or realized yet.
52810:Operating Materials	-	-	-	-	
53190:Taxes and Assessments	749,302	561,977	327,612	234,364	Several annual permit operating fee expenditures not yet realized or billed
53250:Contributions to Other Agencies	266,553	266,553	262,870	3,683	
53390:Transfer Out A-87 Costs	250,000	187,500	45,369	142,131	Full annual A-87 payment made; lower than expected due to direct charges from County departments to WPWMA
55510:Operating Transfer Out	-	-	-	-	
59000:Appropriation for Contingencies	-	-	-	-	
<b>Total Expenses</b>	<b>42,949,831</b>	<b>26,473,041</b>	<b>18,494,048</b>	<b>7,978,993</b>	
<b>Net Income</b>	<b>127,346</b>	<b>5,265,090</b>	<b>15,481,142</b>	<b>10,216,052</b>	



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**MEMORANDUM  
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**  
FROM: **KEN GREHM / ERIC ODDO**   
SUBJECT: **FACILITY IMPROVEMENTS FINANCING UPDATE**

DATE: **MAY 12, 2022**

**RECOMMENDED ACTION:**

None. This report is for information purposes only.

**BACKGROUND:**

WPWMA staff, in coordination with the WPWMA's Treasurer and Auditor, have convened a financing team comprised of: 1) WPWMA staff, 2) Treasurer and Auditor staff, 3) Best, Best & Krieger (WPWMA outside counsel), 4) Del Rio Advisors, LLC (municipal financial advisor), 5) Jones Hall (bond and disclosure counsel) and 5) Ramirez & Co., Inc. (underwriter).

Staff have been working with the financing team to gather the necessary operating information that will be used to support the financing effort and will be an element of determining the WPWMA's credit rating.

The WPWMA's financial advisor and bond underwriter have advised staff that the WPWMA's credit rating will be based generally on the Key Credit Metrics presented in the attached slide deck.

This evening, members of the financing team will be making a presentation to your Board on the potential financing of the upgraded facility, Key Credit Metrics and how they could influence the WPWMA's credit rating and resulting financing terms.

ATTACHMENTS    FINANCING OVERVIEW SLIDE DECK





# Municipal Bond Discussion

## WPWMA Board Meeting May 12, 2022



Del Rio Advisors, LLC





# How Rating Analysts and Investors Evaluate the Credit

- **Waste Volume:** (5 to 10 years) broken down by tonnage subject to flow agreements, non-flow agreement, general public, other
- **Waste Generation by Member:** latest available year, broken down by disposed and diverted, if appropriate
- **Historical Tipping Fees:** (5-10 years), discussion of approved recent (and future, if any) rate increases
- **Competition:** analysis of cost at competing facilities, including tipping fees, trip cost, available capacity, etc.
- **Waste Collection Practices:** description of flow agreements, termination provisions, etc.
- **Project Description:** expected additional future capital needs in next 1 to 5 years (e.g. CIP, if available)
- **Description of WPWMA**, including:
  - Service area
  - Major facilities (MRF, landfill, etc.) and services provided
  - Historical financial (operating) results (5 years): revenues, expenses, net revenue, fund balance; debt service coverage
  - Projected financial results (5 years): revenues, expenses, net revenue, fund balance; debt service coverage
  - Pro-Forma sensitivity analyses: various TBD scenarios
  - Reserves: e.g. rate stabilization fund, emergency reserve, economic uncertainty reserve, capital reserve, undesignated reserve, etc.
  - Labor relations, pension and OPEB liabilities / funding status
- **Regulatory Environment**
- **Demographic Information:** (5-10 years), including (i) population by member, (ii) unemployment rates (county level), (iii) median household income by member and county level, (iv) major employers. (v) historic building permit activity, etc.



## Discussion of Financial Measures / Bond Structure

- Revenue Bond: a category of municipal bond supported by the revenue from a specific project or revenue source. The most common revenue bonds are water revenue, sewer revenue and sales tax revenue. In this case, the revenue source consists of all waste management revenues of the Authority.
- Rating analysts and investors look at certain measures when considering the purchase of a revenue bond:
  - Type of revenue pledge (gross or net)
  - Debt Service Coverage (“higher the better”)
  - Rate Covenant (Minimum Debt Service Coverage to be Maintained)
  - Additional Bonds Test (Closed Lien, 1.25x)
  - Liquidity (Days Cash On Hand or Cash / Annual Operating Expenses)
  - Use of dedicated Rate Stabilization Fund / Special Operating Reserve
  - Cash-Funded Bond Reserve Fund / Surety (10% of Par, MADS, 1.25x Avg. Annual DS)
  - Useful life of financed assets, term of the bonds, early repayment plan, if any



## Debt Service Coverage Example and Discussion

“A” Rating		“BBB” Rating	
Gross Revenue (Includes Interest Income)	\$35,000,000	Gross Revenue (Includes Interest Income)	\$35,000,000
Less: Operating Expenses (Excludes Depreciation and Amortization, Includes Ongoing Maintenance Capital)	<u>(\$25,000,000)</u>	Less: Operating Expenses (Excludes Depreciation and Amortization, Includes Ongoing Maintenance Capital)	<u>(\$25,000,000)</u>
Net Revenue	\$10,000,000	Net Revenue	\$10,000,000
Debt Service	<u>(\$7,500,000)</u>	Debt Service	<u>(\$8,000,000)</u>
Net Revenue After Debt Service (*)	\$2,500,000	Net Revenue After Debt Service (*)	\$2,000,000
Debt Service Coverage	1.33x	Debt Service Coverage	1.25x

Note: (\*) Long-term PAYGO capital projects paid after debt service



## Standard & Poor's ("S&P") Rating Criteria Solid Waste Revenue Bonds

Financial Risk		Enterprise Risk	
All-In Coverage	40%	Economic Fundamentals	45%
Liquidity and Reserves	40%	Industry Risk	20%
Debt and Liabilities	10%	Market Position	25%
Financial Management Assessment	10%	Operational Management Assessment	10%

- Financial Risk metrics are primarily driven by the bond structure
- Enterprise Risk metrics are less in control of the Authority



# Financial Risk

Financial Risk							
	WPWMA	Extremely Strong	Very Strong	Strong	Adequate	Vulnerable	Highly Vulnerable
“All-In Coverage (40%)	1.25x - 1.60x (Comps: 2.00x -5.00x)				*	*	
Liquidity and Reserves (40%)	Financial Projections						
Debt and Liabilities (10%)	90-150 Days Cash On Hand			*	*		
	Debt to Capitalization 1.33x (\$100M/\$75M Net Position)				*	*	
Financial Management Assessment (10%)	Pension and OPEB Liabilities						
	Internal Controls, Budget Process, Long-Term Planning, Investment and Liquidity Policies, Debt Management Policies, Transparency and Accountability, Updating Financial Forecast			*	*		



# Enterprise Risk

Enterprise Risk							
	WPWMA	Extremely Strong	Very Strong	Strong	Adequate	Vulnerable	Highly Vulnerable
Economic Fundamentals (45%)	Service Area Economy, Customer Base, Demographics, Median Effective Buying Income		*	*			
Industry Risk (20%)	Cyclicality, Competitive Risk, Growth Environment		*	*	*		
Market Position (25%)	Affordability of Rates, Comparative Rates		*	*	*		
Operational Management Assessment (10%)	Independence of Politics, Professional Staff, Risk Oversight			*	*		



# “Crossroads”

		Financial Risk					
		Extremely Strong	Very Strong	Strong	Adequate	Vulnerable	Highly Vulnerable
Enterprise Risk	Extremely Strong	AAA	AA+	AA-	A	BBB+/BBB	BB+/BB
	Very Strong	AA+	AA/AA-	A+	A-	BBB/BBB-	BB/BB-
	Strong	AA-	A+	A	BBB+/BBB	BBB-/BB+	BB-
	Adequate	A	A/A-	A-/BBB+	BBB/BBB-	BB	B+
	Vulnerable	BBB+	BBB/BBB-	BBB-/BB+	BB	BB-	B
	Highly Vulnerable	BBB-	BB	BB-	B+	B	B-



# Credit Rating, Credit Spreads and Debt Service

Municipal Market Data General Obligation Bond Yields							A to BBB Spread
	AAA	AA	Insured	A	BBB		
2023	1.97	2.14	2.25	2.26	2.46		20bp
2024	2.25	2.42	2.55	2.57	2.77		20bp
2027	2.51	2.73	2.83	2.88	3.13		25bp
2032	2.78	3.07	3.20	3.27	3.64		37np
2037	2.90	3.23	3.33	3.44	3.78		34bp
2042	2.98	3.35	3.46	3.56	3.90		44bp
2047	3.06	3.44	3.54	3.64	3.98		34bp
2052	3.11	3.49	3.59	3.69	4.03		34bp

Figures are as of 3pm Eastern time May 3, 2022

- The rating process is critical to the yields the Authority will secure in the market
- 50 basis point (0.50%) spread between A and BBB means an extra \$500k per year in debt service, assuming \$100MM financed
- If in the A category, the Authority may be able to avoid funding a cash-funded reserve fund, reducing the amount borrowed
- If in the A category, the Authority may be able to secure bond insurance raising the rating to AA, further reducing yields, assuming purchasing the insurance is cost effective
- If insured, may also be able to secure a surety in place of a cash funded reserve fund, reducing the amount borrowed



# Components of a Bond Sizing

Principal Amount of Bonds	\$109,320,000.00
Project Fund	\$100,000,000.00
Reserve Fund <sup>(1)</sup>	\$8,000,000.00
Underwriter's Discount <sup>(2)</sup>	\$819,900.00
Costs of Issuance <sup>(3)</sup>	<u>\$500,000.00</u>
Total Uses of Funds	\$109,319,900.00
Rounding Adjustment	\$100.00

**Notes:**

- (1) May or may not need cash-funded reserve fund depending on rating and the ability to secure insurance / surety
- (2) Expressed as a percentage of the principal amount of bonds
- (3) Includes fixed costs such as bond counsel, disclosure counsel, municipal advisor, rating fee, trustee, printing and posting the preliminary and final official statements, etc.



# Financing Steps and Timeline

Steps	Date
<b>Board Meeting (Bond Briefing)</b>	<b>May 12<sup>th</sup></b>
<b>Board Meeting (Rate Discussion)</b>	<b>June 9<sup>th</sup></b>
First Draft Bond Docs and Preliminary Official Statement ("POS") Distributed	Week of June 13 <sup>th</sup>
<b>Special Board Meeting (Discuss Bond Structure and Required Rates)</b>	<b>TBD (End of June)</b>
<b>Board Meeting (Bond Structure Direction and Consider Rates)</b>	<b>July 14<sup>th</sup></b>
2 <sup>nd</sup> Draft Preliminary Official Statement Distributed	Week of July 18 <sup>th</sup>
Rating Meeting	Week of July 25 <sup>th</sup>
Rating Released / Due Diligence Meeting	Week of August 8 <sup>th</sup>
<b>Board Meeting (Approve Sale of Bonds)</b>	<b>August 11<sup>th</sup></b>
Print and Post Preliminary Official Statement	Week of August 15 <sup>th</sup>
Pre-Price and Price Bonds	August 23 <sup>rd</sup> / August 24 <sup>th</sup>
Execute Documents / Post Official Statement	Week of August 29 <sup>th</sup>
Closing and Transfer of Funds	September 6 <sup>th</sup>



QUESTIONS?





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# **MATERIALS RECOVERY FACILITY QUARTERLY OPERATIONS REPORT**

**3<sup>rd</sup> QTR, 26<sup>th</sup> OPERATING YEAR  
ENDING March 31<sup>st</sup>, 2022**



**NORTECH WASTE LLC  
3033 FIDDYMENT ROAD  
ROSEVILLE, CA 95747  
916-645-5230**



**OPERATIONS REPORT**  
**Materials Recovery Facility Operation**  
Quarter Ending March 31<sup>st</sup>, 2022 (3<sup>rd</sup> Qtr. 26<sup>th</sup> Operating Year)

**PROCESSED TONNAGE AND RECOVERY LEVEL:**

**Processed Tonnage:**

Nortech processed 90,128.80 tons through the Materials Recovery Facility (MRF) during the quarter. Of this, 58,154.19 tons were municipal solid waste, 15,429.72 tons were source separated green waste<sup>1</sup>, 2,335.97 tons were source separated wood waste, 617.06 tons of food waste compost, and 14,208.92 tons of construction and demolition waste.

**Recovery Level:**

Overall recovery for the quarter was 33.64%. Creditable recovery for the Materials Recovery Facility was 8.71% or 13.29% below the guaranteed minimum recovery level of 22%. Creditable recovery for Construction and Demolition waste was 52.71% or 2.71% above the guaranteed minimum recovery level of 50% for the quarter.

Total Overall YTD recovery is 39.60%. Creditable recovery in the MRF is 16.26% or 5.74% below the guaranteed minimum recovery level of 22%. Creditable recovery for Construction and Demolition is 50.65% or 0.65% above the guaranteed minimum recovery level of 50% for the year.

**Mechanical & Operational Performance:**

The plant operated at 88.86%<sup>2</sup> mechanical up time (453.19 hours out of 510) during the quarter. The plant total up time for the quarter was 81.67% (416.52 hours out of 510). Electrical, mechanical and other problems are maintained in spreadsheets for easy assessment of reoccurring problems and available for WPWMA staff review.

Current operational capacity references the time that the MRF was running three lines. Two lines are still undergoing repairs after the MRF fire in November of 2021. The total plant up time with all lines for the quarter was 59.37% (302.79 hours of 510) during the quarter. "All lines" accounts for the four operational lines, as well as one non-operational line.

The plant sustained significant damage due to a fire that occurred on November 10th, 2021. The fire caused major damage to electrical & mechanical processing equipment. Three lines were made operational in the prior quarter. A fourth line (Line 3) was made operational as of January 26, 2022 in order to utilize the debagger from bagged material

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<sup>1</sup> Any residue from Green waste goes out as MSW residue, yet it is not included in the MSW Inbound, negatively impacting MSW recovery rates; residue off source separated Green waste was 20.62 tons for the quarter.

<sup>2</sup> The plant has five processing lines. Each line provides approximately 20% of total plant capacity. Therefore, a one-hour outage on any one line is equivalent to 12 minutes of total plant capacity.



running through all lines. Nortech isolated four “overs” lines, modifying the Trommels, plugging the “unders” separation, running MSW straight through the system. Nortech repositioned sorters to remove HHW and/or contaminants as the primary focus, while picking commodities and focusing on recovery remains a secondary focus.

The Fire Marshall was onsite March 9, 2022 to inspect the fire suppression system and facility firefighting capacity. The Fire Marshall made the determination to shut down operations on the eastern side of the facility, which was partially impacted by the fire, shutting down the operation of Line 1. The Fire Marshall stated that Line 1 and/or 2 would be granted permission to be back in operation when the Fire Suppression/Alarm repair work commences; the Fire Marshall stated that this is under the condition that repairs are being actively resolved. Repair work has not commenced prior to the end of the quarter; therefore Line 1 has not been in operation.

### **STAFFING:**

Staffing for the period averaged 148.5 full time equivalent employees. The permanent, full time staff averaged 110.3, and contract service employees averaged 38.2.

<b>Description</b>	<b>Head Count</b>
Total Full Time Equivalent (FTE)	148.5
FTE Nortech	110.3
FTE Contract	38.2
<b>Department</b>	<b>Percentage of Head Count</b>
Tipping Floor	4.5%
Sort Line	32.5%
Finished Product	5.5%
Buy Back Center	4.3%
Composting	5.2%
C&D	14.9%
Haz-Mat	2.4%
Maintenance	10.4%
Clean Up	4.9%
House & Yard	3.5%
Administration	6.5%
Transportation	3.4%
Public Receiving	1.6%

### **Special Occurrences:**

- 01/11; Broken hydraulic line/5-gal spill City of Roseville truck, no injuries.
- 01/31; Front loader struck customer vehicle, no injuries.
- 02/06; Customer cut hand with piece of broken glass at Z-wall.
- 02/14; Roll-off truck hit electrical conduit in load-out, no injuries.



- 02/15; Broken hydraulic line/10-gal spill Robinson truck, no injuries.
- 03/20; Compost Fire (Tier 2), no injuries.
- 03/23; City of Roseville truck struck roll-up door, no injuries.

### **Ongoing COVID-19 Prevention Update**

1. Coronavirus specific policies are being continued.
2. Janitorial employees clean and disinfect the bathrooms and lunch areas around the facility on a continuing basis during the morning and afternoon shifts.
3. Employees receive training on how to protect themselves and fellow employees (proper hand washing, etc.).
4. Employees are encouraged to wash their hands as soon as they enter the break area.
5. Unvaccinated employees are provided respirators upon request.
6. Employees are provided disposable "surgical" gloves and encouraged to wear them for additional protection.
7. Outdoor canopies are available where employees may eat their meals.
8. Advisory signs and posters are put up in the lunchroom.
9. Additional appropriate safety equipment (gloves, face shields, etc.) is being used as necessary.
10. Safety personnel monitor web sites to stay up to date on COVID-19 regulations.
11. Employees are allowed to self-screen according to CDPH guidelines and are strongly encouraged to stay home if they are sick.
12. Sick employees are sent home.
13. Employees are encouraged to be tested for the COVID-19.
14. Fully vaccinated employees without symptoms exposed to the Coronavirus were not required to quarantine. Unvaccinated employees are excluded from the workplace in case of an outbreak.

### **TRAINING:**

#### **Individual Safety Training:**

- New Hire Safety Orientation - 5 new employees
- Forklift Training - 6 Employees

#### **Safety Training:**

02/23      COVID Updates Training  
03/10      Hazard Communication

### **Workers Compensation Reporting:**

There was 1 recordable injuries this quarter.

TOTAL DAYS LOST TIME THIS QUARTER:	0    DAYS
TOTAL DAYS RESTRICTED DUTY THIS QUARTER:	24   DAYS



<u>Date</u>	<u>Position</u>	<u>Location</u>	<u>Incident</u>
02/09	C&D Tech	C&D	Struck knee with board

#### **OSHA:**

- o No OSHA related issues.

#### **HOUSEHOLD HAZARDOUS WASTE PROGRAM:**

A comprehensive report is submitted monthly to WPWMA staff that identifies types and quantities of materials, origin of persons using the facility, materials recycled, etc.

In summary:

<b>Quarterly Totals</b>	
Customer Count	<b>6,738</b>
Liquid Waste Processed ( <i>gallons</i> )	<b>32,763</b>
Recycled Lead Acid Batteries ( <i>tons</i> )	<b>11.35</b>
Recycled Household Batteries ( <i>tons</i> )	<b>7.58</b>

#### **REGULATORY COMPLIANCE:**

##### **Material Recovery Facility (MRF):**

No areas of concern or violations were issued for the quarter.

##### **Compost:**

No areas of concern or violations were issued for the quarter.

#### **SALES:**

Nortech saw a significant decrease in production and recovery of commodities. This is due to the fire that occurred in the facility that shut down and continues to hinder facility processing capacity. Nortech worked diligently to modify the facility in order to get some operational capacity of the facility back in working order. The “unders” portion of the processing equipment was removed in order to run material through the facility. This allowed Nortech the ability to run a section of the MRF, utilizing the “overs” portion of the facility; however, we are relying solely on sorters without the ability to mechanically separate/size-reduce material. Our primary focus has been the removal of Household Hazardous Waste from the waste stream to ensure none of that material goes to the landfill. Recovering commodities has remained a secondary focus. This has meant a significant loss in production capacity from which we will likely continue to see decreases in revenue and sales tonnage. Nortech is continuing to adapt to meet the ever-changing demands of international and domestic markets.



COMMODITY	TONNAGE	AVG PRICE/TON	TOTAL REVENUE
ADC	4,134.20	\$ -	\$ -
Aluminum Cans	83.85	\$ 2,039.53	\$ 171,014.40
Aluminum Scrap	2.37	\$ 600.00	\$ 1,422.00
Batteries	11.90	\$ 372.34	\$ 4,430.81
Cardboard	3,150.52	\$ 131.68	\$ 414,863.43
Carpet	9.23	\$ -	\$ -
Compost	12,917.73	\$ 6.62	\$ 85,480.52
Compost Overs	5,091.08	\$ (0.27)	\$ (1,378.32)
CRT's	83.05	\$ 592.44	\$ 49,201.97
E-Waste	7.27	\$ 439.52	\$ 3,195.28
Film Plastic	-	-	\$ -
Food Waste	-	-	\$ -
Glass	556.88	\$ (12.05)	\$ (6,708.35)
HDPE-Colored	63.47	\$ 300.51	\$ 19,073.60
HDPE-Natural	44.81	\$ 819.42	\$ 36,718.40
Inerts	770.28	\$ -	\$ -
Lumber	-	-	\$ -
Misc HHW Disposal	154.39	\$ -	\$ -
Misc Recyclables	-	-	\$ -
Mixed Plastic	-	-	\$ -
Mixed Rigid Large	273.08	\$ 106.54	\$ 29,093.80
Mixed Rigid Small	-	-	\$ -
Mixed Waste	-	-	\$ -
Newspaper	69.87	\$ 101.69	\$ 7,105.10
Office Pak	-	-	\$ -
PET-Grade A	22.02	\$ 890.00	\$ 19,597.80
PET-Grade B	177.39	\$ 300.45	\$ 53,297.20
Rock-Crushed	-	-	\$ -
Scrapping Material	-	-	\$ -
Steel	2,282.54	\$ 162.84	\$ 371,685.42
Used Oil	-	-	\$ -
Wood Chips-Natural	-	-	\$ -
Wood Chips-BioFuel	4,596.36	-	\$ -
Wood Chips-Blk	-	-	\$ -
Wood Chips-Brwn	-	-	\$ -
Wood Chips-Red	-	-	\$ -
Wood Fuel	-	-	\$ -
<b>OVERALL</b>	<b>34,502.29</b>	<b>\$ 58.35</b>	<b>\$ 1,258,093.06</b>



## **SUMMARY:**

Operations were not consistent with the prior quarter due to the large fire that damaged essential equipment within the MRF on November 10<sup>th</sup>, 2021. The MRF continued to operate at a decreased processing capacity since November 25, 2021. Nortech was able to get three lines operational in December 2021, along with a fourth line operational at the end of January 2022. The Fire Marshal shut down line 1 operation until work begins to restore all fire suppression systems on the new side of the MRF. Because of this, we are continuing to operate only 3 out of 5 lines for processing inbound MSW. Our primary focus in the MRF is ensuring that all HHW/contaminants are removed from the MSW, with the secondary focus of picking commodities from the waste stream.

Shortages of labor, both skilled and unskilled and being competitive in our local markets, continues to be a challenge in the industry. We are continuing to adapt our strategy to streamline processes and ensure efficient and effective operations despite the challenges that we are currently facing. We have increased wages for unskilled labor to attract and retain employees given the challenges created in today's labor market. These challenges are not isolated as all industries are currently struggling to hire/retain an unskilled labor force.

Respectfully Submitted,



**Byron Hildenbrand**  
Director of Operations

**Nortech Waste LLC**  
3033 Fiddymment Rd.  
Roseville, California 95747  
Email [byron@nortechwaste.com](mailto:byron@nortechwaste.com)  
Phone 916-645-5230 x119  
Phone 916-759-6813

CC: P. Szura, Nortech Waste



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April 15, 2022

**RE: NLI Quarterly Landfill Operations Report – 3<sup>rd</sup> Quarter of the 13<sup>th</sup> Operating Year in 2022  
(January, February, and March)**

Dear Mr. Schmidt,

Pursuant to Section 8.4 “Quarterly Reporting” of the Agreement between the Western Placer Waste Management Authority (Authority) and Nortech Landfill, Inc. (NLI) for operation of the Western Regional Sanitary Landfill (WRSL), NLI submits the following summary of operational activities conducted by NLI during the 3<sup>rd</sup> Quarter of the 13<sup>th</sup> operating year – January, February, and March 2022.

#### Operations

Operations included the burial of 93,006 tons of waste during the quarter. These totals are incorporated in the buried tonnage total for the quarter. Filling operations consisted of placing waste in Module’s 5,12,13,14 and 16. WPWMA staff sent a letter to NLI on February 16, 2022, directing NLI to continue operating a second operating face during the quarter using a fill sequence drawing provided by the WPWMA on November 22, 2022.

#### Inspections

Daily load checking and random inspections were performed during the quarter. Monthly site safety inspections were performed by NLI staff. Local Enforcement Agency (LEA) performed three random site inspections during the quarter including an 18-month inspection from Cal Recycle; there were no Violations and three Areas of Concern as it relates to NLI portions of the landfill.

Copies of all inspection reports are included in the NLI operating reports that are submitted to the Authority each month.

#### Cover Soil Utilization

NLI continues to use tarps, and reuse cover soil to minimize the burial of operational material. In addition, NLI uses Alternative Daily Cover (ADC) to maximize Materials Recovery Facility diversion rates and reduce the Authority’s tax liability. These totals represent operational material including soil used for intermediate cover for the quarter. The total number of operational materials including intermediate soil was 54,409 (CY).

#### Tonnages



The following table includes a summary of buried waste and operational material consumed at the WRSL for the quarter.

Month	Total Volume Change for the month (CY)	Taxable Buried Waste (Tons)	Estimated Taxable Buried Waste (CY)*	ADC (CY)	Soil (CY)	H2O Sludge (CY)	Inert (Tons)	Total Operational Material (CY)	Waste To Soil Ratio		Total Density (Lb/CY)
Q3 2021											
January	35,300	30,437	21,037	1,908	12,280	75	3,610	14,263	1.47	:1	1,724
February	60,300	28,485	49,735	1,942	8,502	121	4,134	10,565	4.71	:1	945
March	42,900	34,084	25,473	1,843	15,498	86	4,410	17,427	1.46	:1	1,589
TOTAL	138,500	93,006	96,245	5,693	36,280	282	12,154	54,409	2.55	:1	<b>1,419</b>

#### Compaction Results

NLI uses global positioning system (GPS) survey equipment to track the amount of airspace consumed. For the quarter, the total airspace consumed as provided by GPS survey was 138,500 cubic yards (CY). Using the scale house records of waste tonnage received and the GPS total airspace consumed, the average density of the buried waste was calculated to be 1,419 lbs. /CY, which meets our contractual range of 1,100 to 1,200 lbs. /CY.

Please let me know if you require any further assistance regarding this report.

Sincerely,



Brandon Stevens  
Contractor's Representative  
Nortech Landfill, Inc.



## WESTERN PLACER WASTE MANAGEMENT AUTHORITY

Minutes of April 14, 2022

The meeting of the Western Placer Waste Management Authority Board of Directors was called to order at 5:30 PM by Chairman Karleskint in the WPWMA Administration Building at the Materials Recovery Facility.

### **Directors Present:**

Dan Karleskint  
Robert Weygandt  
Pauline Roccucci  
Bonnie Gore  
Bill Halldin

### **Staff Present:**

Ken Grehm  
Kevin Bell  
Eric Oddo  
Rob Sandman  
Heather Wilden

Ryan Schmidt  
Becky Correa (virtual)

1. Call Meeting to Order: Chairman Karleskint called the meeting to order at 5:30 PM.
2. Pledge of Allegiance: Director Halldin led the Pledge of Allegiance.
3. Roll Call: All Directors were present.
4. Statement of Meeting Procedures: Heather Wilden read the procedures for in-person and virtual meeting participation.
5. Public Comment: No one from the public addressed the Board in-person or virtually.
6. Announcements & Information:
  - a. Reports from Directors: None.
  - b. Report from the Executive Director: Ken Grehm apprised the Board that the WPWMA received one article of late arriving correspondence. Nortech submitted a letter dated April 14, 2022, requesting relief under Article 3.14 Guaranteed Minimum Recycling Levels to amend them from 22% to 8% through the term of the agreement.

Ken Grehm updated the Board about the repairs to the MRF explaining that we have a signed contract for placement of scaffolding that is required to gain access to certain areas of the MRF. We have a separate agreement in place for repairs to the fire suppression system and some emergency electrical repairs. Lastly, Van Dyk will be onsite next week to begin repairing the MRF equipment.

Ken Grehm answered questions from the Board.
  - c. Auditor's Report: Andy Sisk of the Placer County Auditor's office summarized the Annual Comprehensive Financial Report (ACFR) for Fiscal Year ending June 30, 2021. Further noting that there were no compliance issues or internal control issues. There were no questions from the Board.
  - d. Financial Reports: Eric Oddo summarized the financials. There were no questions from the Board.



- e. Monthly Tonnage Reports: Eric Oddo summarized the tonnage reports. There were no questions from the Board. A copy of the charts presented to the Board are included as an attachment to these minutes.

The Board requested that staff include tonnage reports and any briefing slides in the future minutes.

7. Consent Agenda:

- a. Minutes of the Board Meeting held March 10, 2022:

Staff recommended approving as submitted.

- b. Support for the SWANA Legislative Task Force:

Staff recommended authorizing payment of \$2,000 to the Solid Waste Association of North America Legislative Task Force.

**MOTION TO APPROVE THE CONSENT AGENDA:**  
**Roccucci/Weygandt**

**ROLL CALL VOTE:**

Halldin:	YES	Karleskint:	YES
Roccucci:	YES	Gore:	YES
Weygandt:	YES		

**Vote: 5 In Favor, 0 Opposed – Motion Passed**

8. Action Items:

- a. Draft Minutes of the April 4, 2022, Special Board Meeting:

Staff requested that your Board provide any necessary clarifications or edits to the draft April 4, 2022, Special Board Meeting minutes.

There were no comments from the Board. Counsel suggested staff return at a subsequent meeting for adoption of the final minutes.

- b. Solid Waste Flow Commitment Agreements:

Staff recommended authorizing the Chair to sign separate Flow Commitment Agreements with the cities of Lincoln and Rocklin and the County of Placer for delivery of solid waste to the WPWMA's facility.

Ken Grehm explained that execution of the flow commitment agreements will allow staff to proceed with securing financing for facility improvements.

The cities of Lincoln and Rocklin and the County of Placer have authorized their executives to sign into these agreements. An item related to this will go to the Roseville City Council at their Wednesday, April 20<sup>th</sup> meeting.

The Board provided direction regarding continued discussions with the Member Agencies to establish flow commitments potentially including a higher tonnage guarantee in the early years of bond financing with the City of Roseville, but not to derail the current process to get the equipment ordered.



c. Facility Improvements Financing Framework:

Staff recommended the Board approve the framework for structuring and obtaining financing for the modification and upgrade of the Materials Recovery Facility, Construction and Demolition Debris Processing Area, Organics Management Area.

Ken Grehm provided a summary explaining that it may take 4-6 months to establish bond financing. However, we will need to use reserves to bridge the financing prior to establishing bonds.

d. Bond Reimbursement for Costs Associated with Facility Improvements:

Staff recommended adopting Resolution 22-02 authorizing the WPWMA to recover certain expenditures from debt proceeds associated with the cost of modifying and upgrading the WPWMA's facility.

Ken Grehm explained that this resolution has no obligations of the WPWMA but declares that we intend to establish bond financing. This will allow us to begin incurring costs with an option of reimbursement. The Board asked if the bridge financing can be reimbursed. Staff will look into this and report back at a subsequent meeting.

**MOTION TO APPROVE ITEM:**

**Gore/Weygandt**

**ROLL CALL VOTE:**

Halldin:	ABSTAINED	Karleskint:	YES
Roccucci:	YES	Gore:	YES
Weygandt	YES		

**Vote: 4 in Favor, 1 Abstained - Motion Passed**

e. MRF Design/Build Agreement with FCC:

Staff have requested to receive and update and providing direction to staff on the Design/Build Agreement with FCC Environmental Services, LLC for the modification and upgrade of the Materials Recovery Facility,

Construction and Demolition Debris Processing Area, Organics Management Area, and related facility infrastructure, consistent with FCC's September 24, 2021, proposal, for a maximum cost of \$119,967,185 and contingent on the WPWMA's ability to secure the necessary financing.

Kevin Bell provided a brief description of the improvement included in this agreement includes site improvements such as adding scales, rerouting traffic to be safe and efficient, MSW sorting, C&D sorting, a canopy at C&D, an ASP with Gore covers composting system, a maintenance building including grading and drainage. Construction will begin in late 2023 and full build out is expected in late 2024. The construction will be phased to continue processing throughout the construction term.



f. Fiscal Year 2021/22 Budget Amendment:

Staff recommended approving a FY 2021/22 Budget Amendment (AM-00630) of \$30 million using funds from reserves for the initial payment towards purchase of new Materials Recovery Facility processing equipment.

Eric Oddo explained that this budget amendment is an administrative function to allow the Auditor to release the reserve funds. However, there is no commitment to spend it at this time.

**MOTION TO APPROVE ITEM:**

**Gore/Weygandt**

**ROLL CALL VOTE:**

Halldin:	YES	Karleskint:	YES
Roccucci:	YES	Gore:	YES
Weygandt	YES		

**Vote: 5 in Favor, 0 Opposed - Motion Passed**

9. Upcoming Agenda Items: and Tipping fee increase.

10. Adjournment: Meeting was adjourned at 7:18 PM.

Respectfully Submitted,



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Heather Wilden, Clerk of the Board  
Western Placer Waste Management Authority

ATTACHMENT: MONTHLY REVENUE AND TONNAGE CHARTS

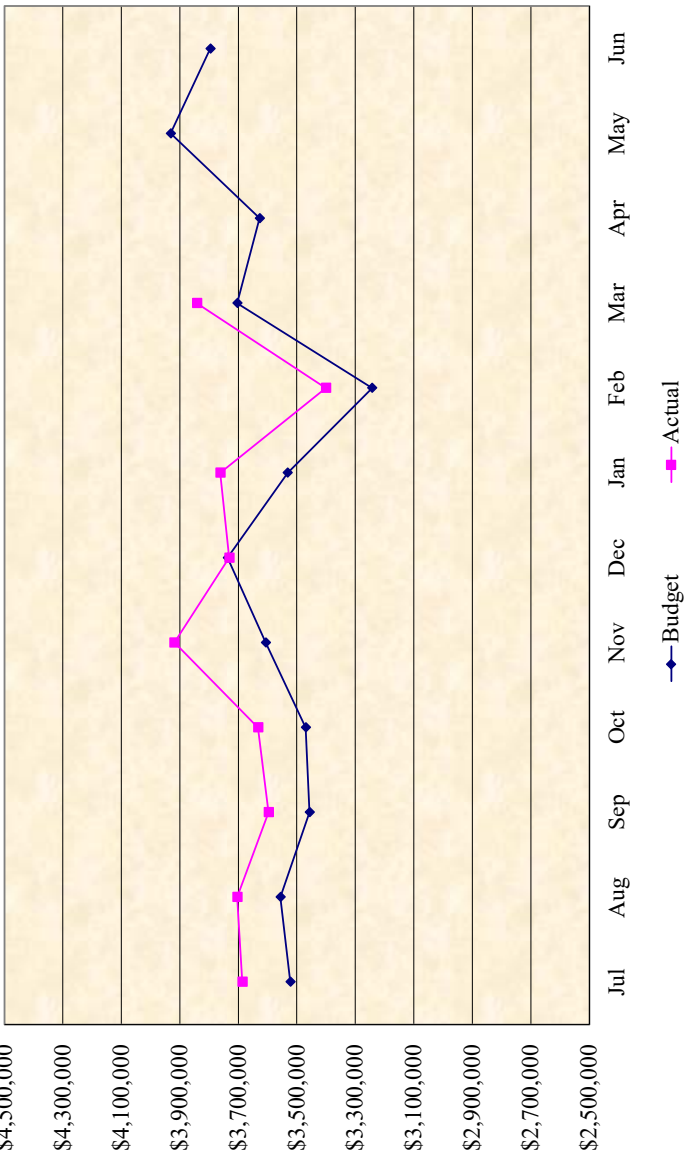


**Fiscal Year 2021-2022**

**Combined Revenue**

Month	Budget	Actual	Variance
Jul	\$3,522,051	\$3,686,520	164,469
Aug	\$3,555,872	\$3,704,195	148,323
Sep	\$3,456,407	\$3,596,551	140,144
Oct	\$3,469,382	\$3,632,740	163,358
Nov	\$3,606,097	\$3,918,948	312,851
Dec	\$3,736,847	\$3,731,655	(5,192)
Jan	\$3,531,565	\$3,761,766	230,201
Feb	\$3,242,834	\$3,400,771	157,937
Mar	\$3,703,856	\$3,841,721	137,865
Apr	\$3,627,002		
May	\$3,931,673		
Jun	\$3,795,477		
Totals:	\$43,179,063	\$33,274,868	1,449,957

**Revenue**



**Year to Date**

Budget	\$31,824,911
Actual:	\$33,274,868
Variance	\$1,449,957

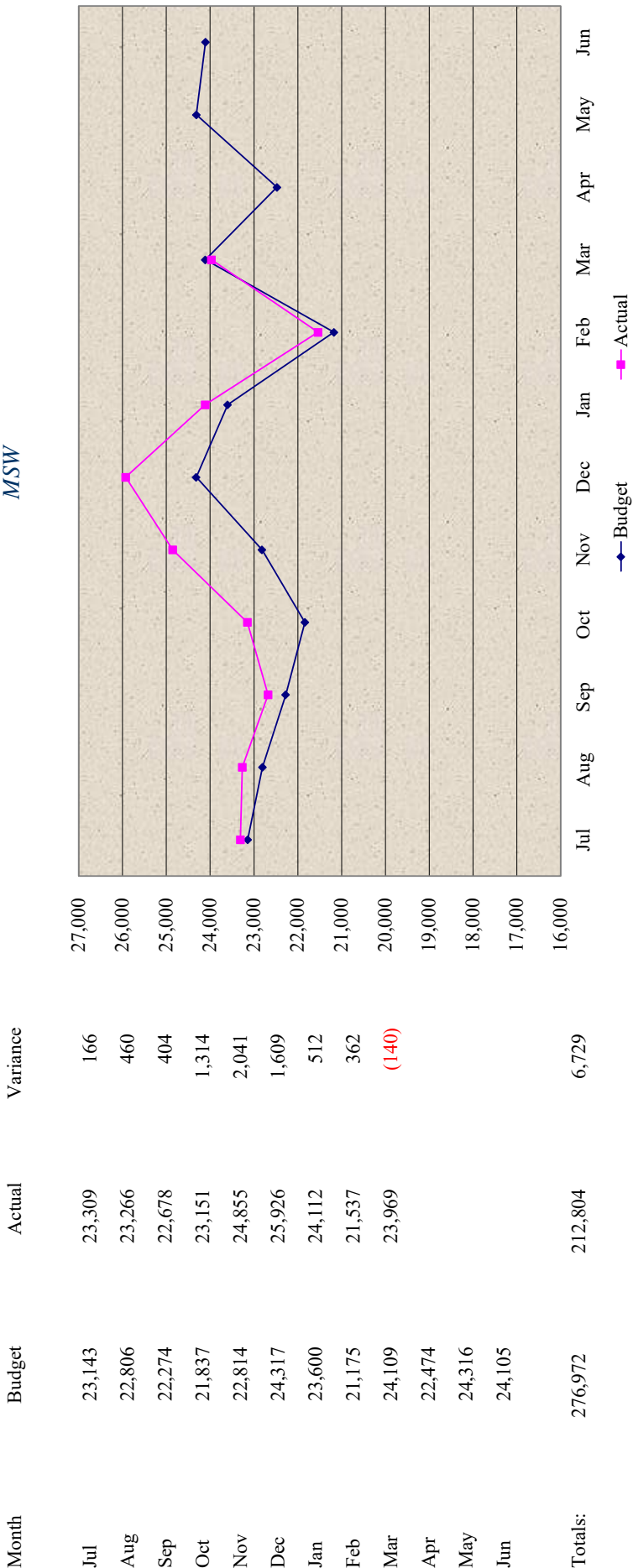
**Revenue Sources:**

MSW = \$88.00 per ton, Sludge = \$50.00 per ton, Inert Materials = \$25.00 per ton, Mixed Inert = \$50.00 per ton, MSW & C&D Yardage = \$20.00 per yard.  
Green Waste = \$66.00 per ton, Wood Waste = \$40.00 per ton, Green Yardage = \$14.00 per yard, Wood Yardage = \$12.50 per yard, C&D = \$88.00 per ton.  
Food Compost = \$46.50 per ton.



Fiscal Year 2021-2022

MSW Tons



Year to Date

Budget:	206,075
Actual:	212,804
Variance	6,729

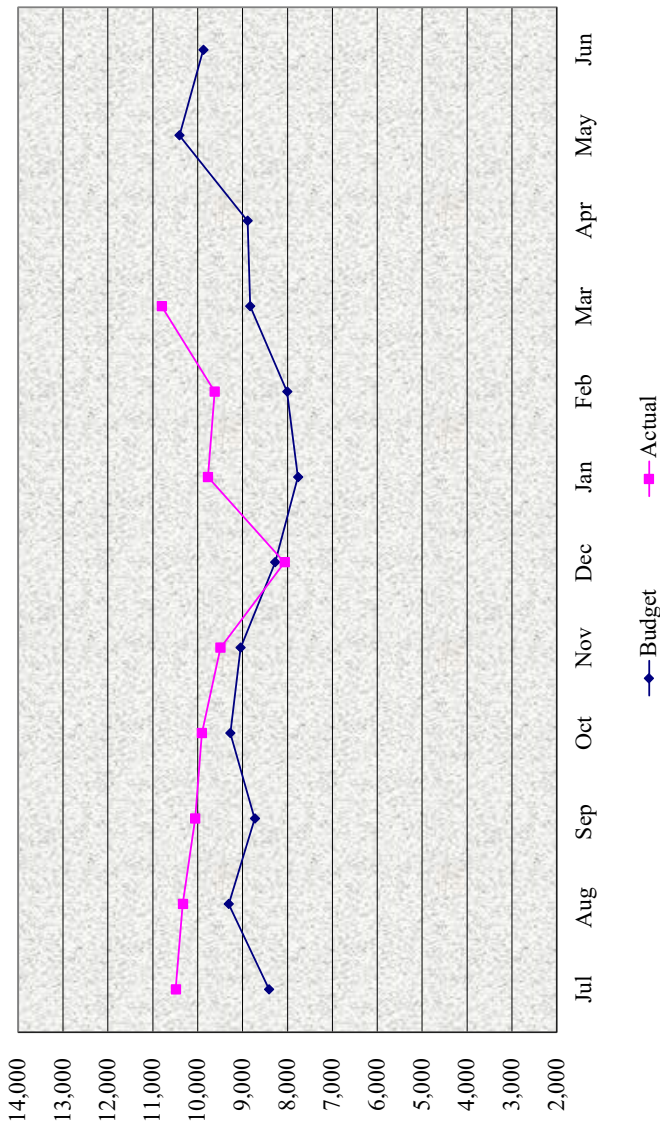


Fiscal Year 2021-2022

C&D Tons\*

C & D

Month	Budget	Actual	Variance
Jul	8,410	10,489	2,079
Aug	9,310	10,332	1,022
Sep	8,728	10,058	1,330
Oct	9,275	9,907	632
Nov	9,044	9,497	453
Dec	8,275	8,062	(213)
Jan	7,766	9,775	2,009
Feb	8,008	9,621	1,613
Mar	8,829	10,801	1,972
Apr	8,890		
May	10,406		
Jun	9,876		
Totals:	106,820	88,543	10,898



Year to Date

Budget:	77,645
Actual:	88,543
Variance	10,898

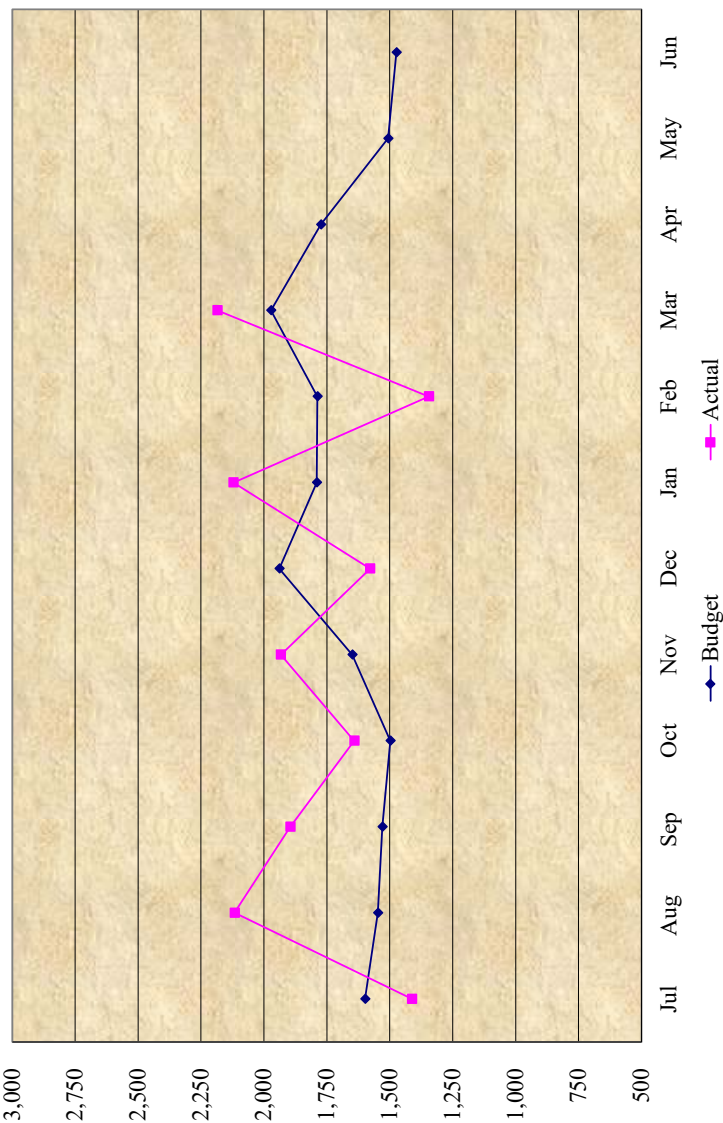
\* Includes Treated Wood Waste



**Fiscal Year 2021-2022**  
**Sludge & Mixed Inert Tons**

**Sludge & Mixed Inerts**

Month	Budget	Actual	Variance
Jul	1,598	1,412	(186)
Aug	1,547	2,117	570
Sep	1,530	1,896	366
Oct	1,498	1,641	143
Nov	1,649	1,933	284
Dec	1,939	1,578	(361)
Jan	1,790	2,122	332
Feb	1,788	1,345	(443)
Mar	1,972	2,185	213
Apr	1,774		
May	1,507		
Jun	1,474		
Totals:	20,065	16,229	918



**Year to Date**

Budget:	15,311
Actual:	16,229
Variance	918

Includes: Sludge, Dried Sludge & Mixed Inert



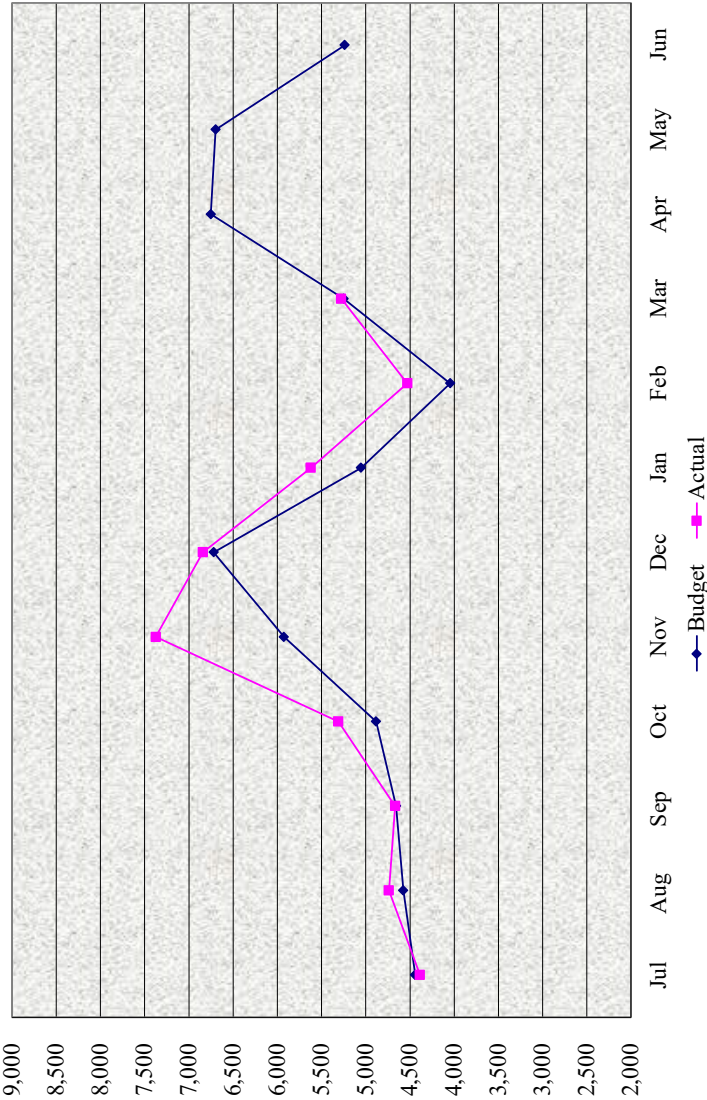
Green Waste Tons

Month	Budget	Actual	Variance
Jul	4,441	4,387	(54)
Aug	4,575	4,738	163
Sep	4,657	4,667	10
Oct	4,883	5,310	427
Nov	5,925	7,375	1,450
Dec	6,720	6,843	123
Jan	5,052	5,622	570
Feb	4,044	4,531	487
Mar	5,250	5,277	27
Apr	6,752		
May	6,698		
Jun	5,237		
Totals:	64,234	48,751	3,204

Year to Date

Budget:	45,547
Actual:	48,751
Variance	3,204

Green Waste

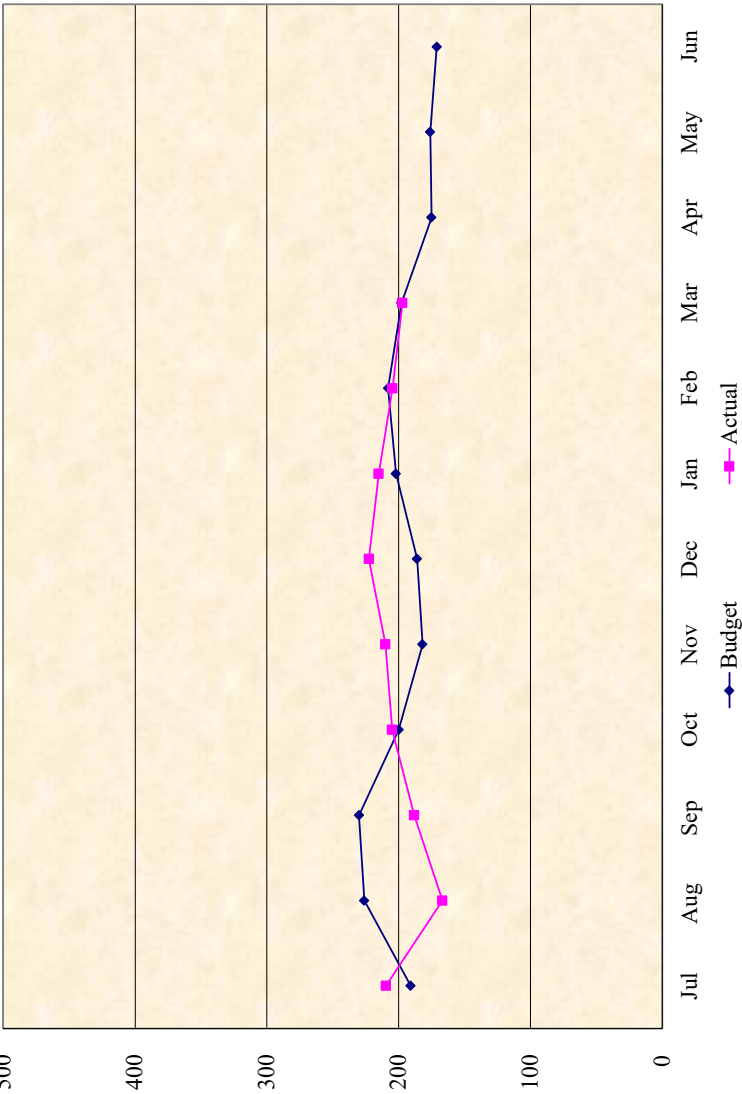




**Fiscal Year 2021-2022**  
**Food Waste Tons**

**Food Compost**

Month	Budget	Actual	Variance
Jul	191	210	19
Aug	226	167	(59)
Sep	230	188	(42)
Oct	200	205	5
Nov	182	210	28
Dec	186	223	37
Jan	202	215	13
Feb	208	205	(3)
Mar	198	197	(1)
Apr	175		
May	176		
Jun	171		
Totals:	2,345	1,819	(4)



**Year to Date**

Budget:	1,823
Actual:	1,819
Variance	(4)

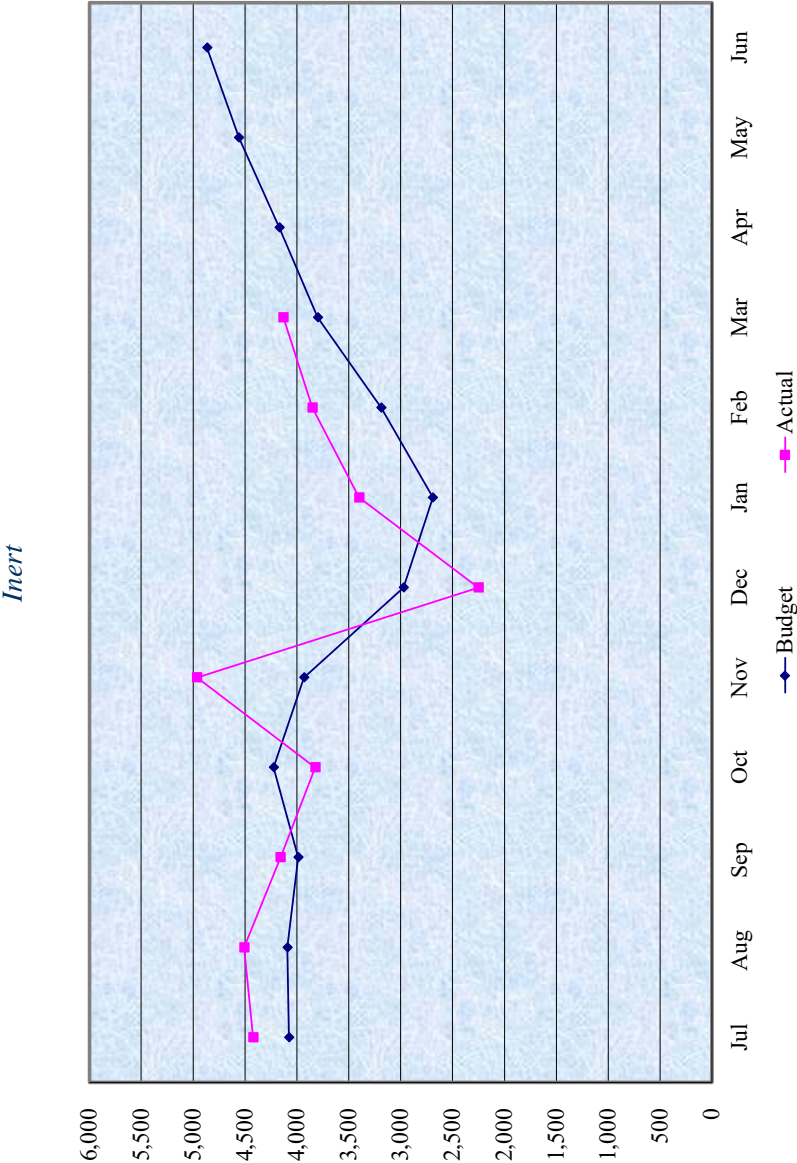


Inert Tons

Month	Budget	Actual	Variance
Jul	4,077	4,422	345
Aug	4,091	4,508	417
Sep	3,988	4,158	170
Oct	4,225	3,824	(401)
Nov	3,931	4,963	1,032
Dec	2,972	2,251	(721)
Jan	2,691	3,401	710
Feb	3,189	3,852	663
Mar	3,800	4,130	330
Apr	4,170		
May	4,559		
Jun	4,866		
Totals:	46,559	35,509	2,545

Year to Date

Budget:	32,964
Actual:	35,509
Variance	2,545





Wood

Month	Budget	Actual	Variance
Jul	767	898	131
Aug	692	816	124
Sep	678	716	38
Oct	721	759	38
Nov	674	783	109
Dec	682	581	(101)
Jan	796	771	(25)
Feb	731	721	(10)
Mar	802	844	42
Apr	864		
May	991		
Jun	905		
Totals:	9,303	6,889	346

Year to Date

Budget:	6,543
Actual:	6,889
Variance	346

Wood



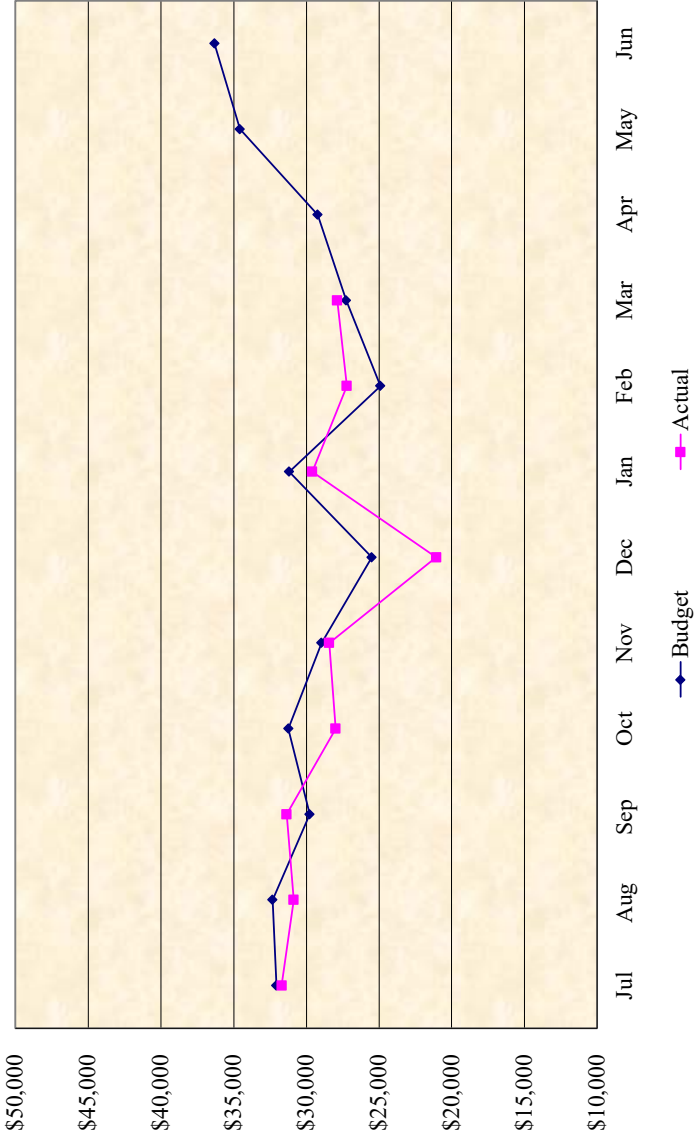


Fiscal Year 2021-2022

Miscellaneous Tipping Fee Revenue

Month	Budget	Actual	Variance
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			
Jan			
Feb			
Mar			
Apr			
May			
Jun			

Miscellaneous Tipping Fee Revenue



Totals: \$363,338 \$256,125 (\$7,096)

Year to Date

Budget:	\$263,221
Actual:	\$256,125
Variance	-\$7,096

Miscellaneous tipping fee revenue reflects tipping fees received for HHW Paid, Tires, Appliances Roseville Recycling, CFC Appliances, H2O Sludge & Commercial HHW Paid.



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## WESTERN PLACER WASTE MANAGEMENT AUTHORITY

Minutes of April 22, 2022

The meeting of the Western Placer Waste Management Authority Board of Directors was called to order at 4:00 PM by Chairman Karleskint in the WPWMA Administration Building at the Materials Recovery Facility.

### **Directors Present:**

Dan Karleskint  
Robert Weygandt  
Pauline Roccucci  
Bonnie Gore  
Bill Halldin

### **Staff Present:**

Ken Grehm  
Kevin Bell  
Eric Oddo  
Rob Sandman  
Heather Wilden  
Ryan Schmidt

1. Call Meeting to Order: Chairman Karleskint called the meeting to order at 4:00 PM.
2. Pledge of Allegiance: Director Gore led the Pledge of Allegiance.
3. Roll Call: All Directors were present.
4. Statement of Meeting Procedures: Heather Wilden read the procedures for in-person and virtual meeting participation.
5. Public Comment: No one from the public addressed the Board in-person or virtually.
6. Announcements & Information:
  - a. Reports from Directors: None.
  - b. Report from the Executive Director:

Ken Grehm informed the Board of the MRF repairs that began last week including placement of scaffolding, emergency electrical and the fire suppression system repairs. Ken noted that staff are working with Van Dyk to establish a contract for the equipment repairs.
7. Action Items:
  - a. Minutes of the Board Meeting held April 4, 2022:

Staff recommended approving as submitted.

### **MOTION TO APPROVE ITEM 7a: Roccucci/Halldin**

#### **ROLL CALL VOTE:**

Halldin:	YES	Karleskint:	YES
Roccucci:	YES	Gore:	YES
Weygandt:	YES		

### **Vote: 5 In Favor, 0 Opposed – Motion Passed**

- b. Solid Waste Flow Commitment Agreements:

Staff recommended authorizing the Chair to sign separate Flow Commitment Agreements with the cities of Lincoln, Rocklin, Roseville, and the County of Placer for delivery of solid waste to the WPWMA's facility.



Kevin Bell summarized the report and answered questions from the Board

**MOTION TO APPROVE ITEM 7b:**

**Roccucci/Weygandt**

**ROLL CALL VOTE:**

Halldin:	YES	Karleskint:	YES
Roccucci:	YES	Gore:	YES
Weygandt:	YES		

**Vote: 5 In Favor, 0 Opposed – Motion Passed**

c. MRF Design/Build Agreement with FCC:

Staff recommended the Board:

1. Authorize the Chair to execute the Design/Build Agreement with FCC Environmental Services, LLC for the modification and upgrade of the Materials Recovery Facility, Construction and Demolition Debris Processing Area, Organics Management Area, and related facility infrastructure, consistent with FCC's September 24, 2021 proposal, for a maximum cost of \$119,967,185.
2. Authorize the Executive Director, upon review and approval by WPWMA Counsel, to execute the First Amendment to the Design/Build Agreement, as necessary, to increase the total contract price up to an additional \$2,500,000 for costs related to securing a construction performance bond

Kevin Bell summarized the report. Ken Grehm and Kevin answered questions from the Board. Ken noted that the WPWMA asked FCC to obtain a quote for the actual cost of a performance bond and that the requested authorization under item 7c2 was intended to provide information about the potential cost of the bond and provide flexibility in securing the bond in a timely manner. After discussion, the Board decided not to consider item 7c2 at time, preferring to consider the issue when actual costs for securing a performance bond are known.

**MOTION TO APPROVE ITEM 7c1:**

**Gore/Weygandt**

**ROLL CALL VOTE**

Halldin:	YES	Karleskint:	YES
Roccucci:	YES	Gore:	YES
Weygandt	YES		

**Vote: 5 in Favor, 0 Opposed - Motion Passed**

d. First Amendment to the MRF Operating Agreement with FCC Environmental Services:

Staff recommended authorizing the Chair to sign the First Amendment to the Materials Recovery Facility Operating Agreement between the WPWMA and FCC Environmental Services, LLC formalizing an agreement



to amend the Municipal Solid Waste processing fees paid to FCC should the quantity of MSW delivered to the MRF fall below 200,000 tons per year.

Eric Oddo summarized the report and answered questions from the Board.

**MOTION TO APPROVE ITEM 7D:**

**Gore/Weygandt**

**ROLL CALL VOTE**

Halldin:	YES	Karleskint:	YES
Roccucci:	YES	Gore:	YES
Weygandt	YES		

**Vote: 5 in Favor, 0 Opposed - Motion Passed**

9. Upcoming Agenda Items: The Board directed staff to include tonnage reports, briefing slides and any additional materials not included in the issued agenda package with the subsequent minutes of the subject meeting.

The Board requested future discussions regarding: 1) development of a Member Agency technical advisory group, 2) types and quantities of materials sent to the landfill for disposal, and 3) a process for conducting periodic evaluations of select staff by the Board.

10. Adjournment: Meeting was adjourned at 4:47 PM.

Respectfully Submitted,



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Heather Wilden, Clerk of the Board  
Western Placer Waste Management Authority



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**MEMORANDUM  
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**

DATE: **MAY 12, 2022**

FROM: **KEN GREHM / WILL SCHEFFLER** *WS*

SUBJECT: **AGREEMENT WITH SCS ENGINEERS FOR WATER QUALITY  
MONITORING SERVICES**

**RECOMMENDED ACTION:**

Authorize the Chair to sign an agreement with SCS Engineers (SCS) for water quality monitoring services at the Western Regional Sanitary Landfill (WRSL) for an amount not to exceed \$198,500.

**BACKGROUND:**

The WPWMA has historically contracted with a firm to provide regular water quality monitoring and reporting services as part of the facility's Waste Discharge Requirements (WDR). SCS has provided these services to the WPWMA for the past five years, including four one-year extensions. To ensure that the WPWMA continues to receive high quality service, staff solicited proposals from four firms on the list of pre-qualified water quality consulting firms.

Staff received responses from two firms: Golder Associates USA, Inc. and SCS. Staff evaluated the proposals based on firm qualifications, experience and recommended laboratory used to conduct the analytical analysis of collected water samples. Although both firms have extensive water quality monitoring experience at several active landfills, staff believe SCS provided the most qualified team and that their experience at the WRSL allows them to better understand the intricacies of the WPWMA'S operations. As such, WPWMA staff have negotiated the attached scope of services. The proposed agreement with SCS is for one year with five one-year extension options.

**ENVIRONMENTAL CLEARANCE:**

All work required under this Agreement is categorically exempt under CEQA Guidelines, Article 19, Section 15306 "Information Collection", which allows for data collection when such activities do not result in a serious or major disturbance to an environmental resource.

**FISCAL IMPACT:**

The cost of providing services included in the attached Scope of Services is \$198,500 which represents an increase of approximately 2.8% compared to the current cost for the same services. Funding for the Agreement's services is identified in the FY 2022/23 Preliminary Budget included as a separate item on this agenda.

ATTACHMENT: SCOPE OF SERVICES



## **EXHIBIT A**

### **SCOPE OF SERVICES**

Consultant shall perform water quality monitoring, sampling and analysis in accordance with Waste Discharge Requirements Order R5-2007-0047, General Permit for Storm Water Discharges Associated with Industrial Activities Order 2014-0057-DWQ (IGP), City of Roseville Wastewater Discharge Permit No. 887795 (WDP), Composting General Order 2020-0012-DWQ (CGO), and all applicable industry standards.

#### **TASK 1 – MONITORING, MEASUREMENT, SAMPLING, ANALYSIS AND REPORTING**

Consultant shall conduct field measurements and sampling and shall be responsible for transporting samples to an accredited lab for analysis. Consultant shall calibrate all field instruments used for measurement of monitoring parameters (pH, specific conductance, turbidity, and temperature) daily and prior to use. Consultant shall ensure that the collection, preservation and handling of all water samples are in accordance with the Collection Sampling and Analysis Plan per the WDR and Task 5 and/or Attachment H, Storm Water Sample Collection and Handling Instructions of the IGP. Consultant shall review lab results within fifteen (15) days following the sampling event for completeness and accuracy and compare results to the established concentration limits. Consultant shall utilize an environmental data management system that performs statistical analyses to update any necessary concentration limits. All necessary statistical analyses shall be performed in accordance with State regulations. Consultant shall upload laboratory analytical results to the State Water Resources Control Board's online reporting systems (SMARTS and GeoTracker) within the timeframes established by the permits.

#### **TASK 1.1 – WASTE DISCHARGE REQUIREMENTS (WDR)**

##### **Groundwater**

The groundwater monitoring network consists of thirty nine (39) monitoring wells. Each groundwater monitoring well is equipped with a dedicated sampling pump with the exception of wells LW-1, MW-1 and cluster wells CW-5, CW-9, CW-7, CW-19 and CW-25 (each of which includes a shallow, medium and deep well). These wells are purged and sampled using a disposable bailer and MW-1 is used for monitoring water levels only.

Consultant shall conduct the following groundwater monitoring, sampling and reporting as specified in the WDR:

- *Quarterly* sampling and analysis of corrective action monitoring wells MW-5, MW-9, MW-10, MW-11R, MW-13, MW-23R, CW-5 and CW-9
- *Quarterly* water level monitoring of MW-1 and LW-1
- *Quarterly* sampling and analysis of detection monitoring wells MW-19 and MW-20 and new wells as constructed
- *Quarterly* water level monitoring of groundwater monitoring wells
- *Quarterly* reporting of groundwater flow rate and direction in the uppermost aquifer, any zones of perched water, and any additional zones of saturation (including times of highest and lowest elevations of water levels in the wells)
- *Quarterly* preparation and *annual* submission of hydrographs of each well indicating groundwater elevation relative to the top and bottom of the screened interval and elevation of the pump intake



- *Semiannual* sampling and analysis of detection monitoring wells MW-2, MW-3, MW-6, MW-7, MW-8, MW-12, MW-14 through MW-18, MW-22, MW-24, CW-7, CW-19 and CW-25
- *Annual* sampling and analysis of background monitoring wells LW-1 and MW-4

Consultant will not be responsible for conducting 5-year Constituent of Concern monitoring under this agreement. COC monitoring for wells MW-2 through MW-12 will be conducted in the second quarter of 2020 and the second quarter of 2022 for wells MW-13 through MW-24.

### **Surface Water**

Consultant shall use lab-provided containers to collect surface water samples from monitoring points SW-1, SW-2, and SW-3 during the first storm event that produces run-off (storm water is the only surface water at the facility) and all qualifying storm events per IGP. Consultant shall transport samples to the lab for analysis in accordance with the WDR. Consultant shall conduct additional surface water sampling and analysis upon request by the WPWMA for issues such as leachate seeps.

Consultant shall conduct Standard Observations for inclusion in the quarterly reports and shall include surface water analytical results in the fourth quarter report in accordance with WDR standards.

### **Vadose Zone**

Consultant shall perform *semiannual* vadose zone sampling and analysis of suction lysimeters S10-A/B, S11-A/B, S12-A/B, S13-A/B, and S14-A/B, S-5, S-15, S-16S, S-16W during the second and fourth quarters.

Consultant shall conduct *monthly* sounding of pan lysimeters S15, LY16S, LY16W and LY5 detection and level of liquid. Consultant shall conduct *quarterly* sampling and removal of all liquid (to the extent possible) from the pan lysimeters. Consultant shall analyze the collected samples for constituents in accordance with the methods and frequency specified in the WDR.

Consultant shall report the total volume of liquid removed from the system in the appropriate quarterly report. Consultant shall summarize laboratory results graphically in semiannual monitoring reports to identify historical trends at each monitoring point. Consultant shall include an evaluation of potential impacts of the facility on the unsaturated zone and compliance with the Water Quality Protection Standard in the quarterly monitoring reports.

### **Leak Detection**

#### ***Liquid***

Consultant shall measure the depth of liquid in leak detection sumps LD-15, M-16LDS, M-16LDW, and M-5LD *monthly*. Consultant shall report the presence of liquid in previously dry locations to the WPWMA via email within 72 hours of detection. Consultant shall sample, analyze and remove all liquid (to the extent possible) in the leak detection sumps *quarterly*.

Consultant shall summarize the liquid depths and laboratory analysis results *quarterly* and display them graphically in the respective monitoring report submittals to indicate historical trends at each monitoring point. Consultant shall also report the total volume of liquid removed from the system.



## **Gas**

Consultant shall collect and analyze samples of headspace gas in the liner leak detection system *semiannually* for methane and volatile organic compounds and include the results in the second and fourth quarter reports.

## **Leachate**

Consultant shall sound leachate collection and removal sumps M-2, M-10 through M-15, M-16S, M-16W, and M-5 *monthly* and record the depth at which the presence of standing liquid was encountered in each sump. Consultant shall record leachate field parameters including temperature, pH, and specific conductance at the time of sounding. When sounding indicates the presence of liquid, Consultant shall record the depth to liquid and notify WPWMA staff within 24 hours of detection.

Consultant shall collect and analyze headspace samples from leak detection sumps in Modules 5, 15, 16W and 16S *semi-annually* for volatile organic compounds and methane.

Consultant shall notify the WPWMA via email within 72 hours of detection of an exceedance of any monitoring parameters. Consultant shall perform resampling and analysis of four (4) Detection Monitoring Program wells per year when exceedances are identified as required by the WDR or as directed by the WPWMA. Consultant shall sample and analyze leachate during the fourth quarter and include all analytical results in the fourth quarter report. Consultant shall conduct resampling and analysis upon detection of any new constituents.

## **WDR Reporting**

Consultant shall prepare all monitoring reports in accordance with all WDR reporting requirements. Consultant shall include the following information in each quarterly monitoring report:

- Discussion of monitoring results and determination whether the landfill is in compliance with the Water Quality Protection Standard using procedures specified in Monitoring and Reporting Program No. R5-2007-0047 and Title 27 §20415(e)
- Tabulated summaries of analytical results
- Statistical analyses using Sanitas statistical software or equivalent as necessary
- Evaluation of quality assurance/quality control data
- Backup information (field sheets, chain of custody, certified analytical reports, well hydrographs, etc.)
- Groundwater contour map, flow direction and velocity
- Information provided by WPWMA staff (standard observations, waste disposal data, liquid discharge data and refuse placement area)

The fourth quarter monitoring report will also serve as the Annual Monitoring Summary Report and Consultant shall include historical graphs of all monitoring parameters at each monitoring point, tabular and digital data (in Microsoft Excel format) obtained during the year, and a discussion of compliance and corrective actions.

Consultant shall submit draft quarterly reports via email for WPWMA review and comment by the end of the first week of the month in which the report is due. Consultant shall address all WPWMA comments in a final quarterly report submitted to the WPWMA via email and bound copy no later than two (2) business days of receipt of WPWMA comments on the draft report.



Consultant shall upload the final reports to the State Water Resources Control Board's GeoTracker program, including cover letter and all data or material required to initiate, update, and complete the uploading process no later than the due date specified in the WDR.

### **Task 1.2 – STORMWATER INDUSTRIAL GENERAL PERMIT (IGP)**

Consultant shall conduct sampling of storm water discharges at drainage locations SW-1, SW-2 and SW-3 during four (4) Qualifying Storm Events (QSEs): two (2) QSEs within the first half of the reporting year (July 1 to December 31, 2016) and two (2) QSEs within the second half of the reporting year (January 1 to June 30, 2017). Consultant shall collect grab samples from each drainage area when discharge occurs and conduct QSE visual observations concurrently with sampling at each discharge location. Consultant shall complete and submit to the WPWMA sampling event visual observation forms within one (1) week of the QSE.

Consultant shall have the samples analyzed by a California State Certified Laboratory within the required holding times identified in the IGP. Consultant shall submit storm water analytical results via SMARTS within 30 days of obtaining all results for each sampling event as outlined in the IGP. Consultant shall review laboratory results to determine the WPWMA's compliance level with the IGP and shall prepare and submit a memo to the WPWMA outlining necessary actions for maintaining compliance (e.g. if the MRF or WRSL facilities are elevated from Baseline to Level 1 Status). If fewer than four (4) QSE's occur in the Reporting Year, Consultant shall document such in the Annual Report.

Consultant shall conduct Monthly Visual Observations as outlined in section XI of the IGP and shall conduct one Annual Comprehensive Facility Compliance Evaluation for the Reporting Year consistent with the requirements of the IGP no later than May 30. Consultant shall provide recommendations to the WPWMA for any appropriate SWPPP revisions at that time. Consultant shall prepare a draft and final annual report for the Reporting Year consistent with IGP requirements. Consultant shall submit the draft annual report to the WPWMA by June 15, and a final annual report within five (5) business days of the receipt of comments from the WPWMA. Consultant shall also upload the final report to SMARTS by July 10.

### **TASK 1.3 – WASTEWATER DISCHARGE PERMIT (WDP)**

Consultant shall use a composite sampling unit to collect an *annual* flow-proportional, 24-hour composite sample from the onsite sewer lift station's wet well or storage tank. The WPWMA will provide a flow meter with pulse output for the Consultant's connection. If a functioning flow meter is not available at the time of sampling, the WPWMA will provide the Consultant with an anticipated hourly flow rate and the Consultant shall program the flow sampler to collect non-uniformly timed samples to make an approximate flow-paced sample. Consultant shall analyze the sewer effluent for the constituents listed in the WDP and include sampling results and analysis as a separate section or subsection of the annual WDR report.

### **TASK 1.4 – NON-ROUTINE MEASUREMENT, SAMPLING AND ANALYSIS**

Consultant shall notify the WPWMA within seventy two (72) hours of receiving laboratory analysis identifying a result that may require resampling as indicated in the WDR and shall conduct re-sampling upon direction from the WPWMA. Consultant shall conduct resampling and analysis of a minimum of four (4) DMP wells as necessary. Consultant shall not conduct any additional required resampling without written WPWMA approval and shall not exceed the Consultant's direct cost plus the administrative markup identified in Exhibit B-1.



## **TASK 2 – COMPOST GENERAL ORDER (CGO)**

Consultant shall perform routine monitoring, facility inspections and reporting in accordance with the CGO.

Consultant shall inspect all precipitation, diversion, and drainage facilities for damage within seven (7) days after a significant storm event as defined in the CGO. Consultant shall conduct inspections of the composting operating surfaces and wastewater management system *quarterly*. Consultant shall perform an *annual* survey of the containment structures prior to August 31st of the operating year.

Consultant shall perform *quarterly* monitoring, sampling and analysis of the wastewater within the compost water detention ponds for the parameters listed in table B-1 of the CGO. A pan lysimeter is scheduled to be installed beneath the south compost pond in summer of 2018; Consultant shall monitor the pan lysimeter for liquid *monthly* during the wet season.

Consultant shall prepare the Annual Monitoring and Maintenance Report and provide a draft copy of the report to the Authority by March 15th each year. Consultant shall provide one bound copy and one electronic copy of the final report after incorporating Authority comments and shall upload the final report to GeoTracker by April 1st each year.

## **TASK 3 – ADDITIONAL SERVICES**

The WPWMA may request Additional Services as needed subject to the WPWMA's approval of a written scope of services cost proposal provided by Consultant. In no event shall any Additional Services exceed the cost allocated in Exhibit B. Consultant shall not proceed with any services under this task until authorized in writing by the WPWMA's Executive Director or designee. Any approved Additional Services and costs shall be appended to this Agreement and such work shall be subject to all provisions of this Agreement.



## EXHIBIT B

### PAYMENT FOR SERVICES RENDERED

Payment to Consultant will be made by the WPWMA on an hourly basis in accordance with the schedule attached hereto as Exhibit B-1 and subject to the task budgets listed in Table 1, below.

Consultant shall submit invoices monthly and describe in detail the work and work hours performed, staff performing the work, staff hourly rate, and expenses for which reimbursement is claimed. Consultant shall also include with the monthly invoice a spreadsheet indicating task budgets, charges by task for each invoice, cumulative charges to date by task, and percent of budget remaining by task. Consultant shall state hourly time in increments of no less than one-quarter (1/4) of an hour.

Provided the work has been satisfactorily performed, WPWMA will pay invoices within thirty (30) days after approval of the invoice. Consultant shall provide additional information requested by the WPWMA to verify any of the amounts claimed for payment in any invoice. The total amount payable for all services provided under this Agreement shall not exceed **One Hundred Ninety-Eight Thousand Five Hundred Dollars (\$198,500.00)**.

**Table 1 – Task Budgets**

Task	Description	Budget
1	Routine Measurement, Sampling, Analysis and Reporting	\$180,000
2	Composting General Order	\$8,500
3	Additional Services	\$10,000
<b>Total</b>		<b>\$198,500</b>

The WPWMA may, in its sole discretion, withhold up to ten percent (10%) of any payment as security for the completion of the work. Within thirty (30) days after approval of Consultant's final invoice, and provided all services have been satisfactorily completed, WPWMA shall release and pay any withheld retention.

Direct costs including materials, equipment, supplies, travel, subsistence and subcontractor costs will be invoiced at cost plus a maximum general Administrative Fee of 10%. Staffing, equipment and lab analysis rates are established in Exhibit B-1. Consultant trucks are charged at \$50 for up to 4 hours of use and \$100 for a full day; Consultant cars are charged at \$40/\$80 (vehicle charges incorporate an allowance of 100 miles per job per day and a \$0.30 per mile surcharge will be applied for additional miles).

Principals – hourly rates for Principals will be on an individually negotiated basis. Typically, these rates are \$260 per hour for Vice Presidents and other Principals and \$305 per hour for Senior Vice Presidents and Senior Executives.



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**MEMORANDUM  
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **MAY 12, 2022**  
FROM: **KEN GREHM / JENNIFER SNYDER** JS  
SUBJECT: **SOLE SOURCE AGREEMENT WITH 3D DATACOM FOR CCTV SERVER REPLACEMENT**

**RECOMMENDED ACTION:**

Authorize the Chair to sign a sole source Agreement with 3D Datacom to replace the closed circuit television (CCTV) camera server for an amount not to exceed \$56,997.

**BACKGROUND:**

Staff routinely uses the CCTV system to confirm and document scalehouse transactions and facility operations. In 2014, your Board awarded a competitively bid design-build agreement to 3D Datacom to upgrade, expand and maintain the CCTV system. Since then, 3D Datacom has maintained the CCTV system on an on-call basis.

The 2014 CCTV expansion project included the installation of a server for recording and managing camera footage. Over the past year, 3D Datacom has informed staff that due to its age and recently experienced technical issues, the server runs the risk of failing and recommends immediate replacement. Additionally, per Government Code 26202.6, public agencies are now required to retain all routine video monitoring for at least one year; the current CCTV server has a maximum 45-day retention capacity. The replacement server will have storage capacity to meet the one-year retention requirement. This project will also include the installation of an uninterruptable power supply (UPS) system to allow continued monitoring in the event of short-term facility power outages.

On May 4, 2022, staff received a quote from 3D Datacom for \$56,997 that includes all materials and installation for the server and UPS system equipment. Staff believes that having 3D Datacom perform the system upgrade will be the most cost-effective and operationally efficient method. Staff believes that given the scope of the project and the need to quickly integrate the new server with the existing CCTV system, and that 3D Datacom originally built, and has continuously maintained, the CCTV system, that soliciting competitive proposals would not reduce costs or produce other additional benefits to the WPWMA. For these reasons, staff recommend entering into a sole source Agreement with 3D Datacom to perform the proposed CCTV system upgrade.

**ENVIRONMENTAL CLEARANCE:**

Development and implementation of CCTV system is categorically exempt under California Environmental Quality Act Guidelines, Article 19, Section 15301, "Existing Facilities", which includes minor alteration of existing facilities involving negligible or no expansion of existing use.

**FISCAL IMPACT:**

The cost of providing the services described in the attached Scope of Services is \$56,997. Adequate funding to cover the cost is included in the FY 2021/22 Budget.

ATTACHMENT: SCOPE OF SERVICES



## EXHIBIT A

### SCOPE OF SERVICES

Consultant shall plan, prepare and execute all items outlined in this Scope of Services related to the WPWMA CCTV camera server upgrade.

#### **TASK 1: KICK-OFF MEETING**

Following execution of the Agreement by all parties, Consultant shall lead a kick-off meeting at the WPWMA administrative offices located at 3013 Fiddymont Road, Roseville, CA, 95747 to review the scope and schedule, provide a whole project schedule, set key milestones, identify anything Consultant needs from the WPWMA or its contractors, and perform a brief site walk of the project area.

##### Task 1 Deliverables and Schedule:

<i>Deliverables (format)</i>	<i>Due</i>
Kick-off Meeting	As scheduled by WPWMA
Project Schedule ( <i>pdf</i> )	One (1) week prior to kick-off meeting

#### **TASK 2: INSTALLATION**

##### Warranties

Consultant unconditionally guarantees all materials and workmanship furnished hereunder, and agrees to replace at its sole cost and expense, and to the satisfaction of the WPWMA, any and all materials which may be defective or improperly installed. The Consultant shall repair or replace to the satisfaction of the WPWMA any or all such work that may prove defective in workmanship or materials, ordinary wear and tear excepted, together with any other work which may be damaged or displaced in so doing.

In the event of failure to comply with the above stated conditions within thirty (30) days of the Consultant being notified of defective equipment, the WPWMA is authorized to have the defect repaired and made good at the expense of the Consultant who will pay the costs and charges therefor immediately upon demand, including any reasonable management and administrative costs, and Project Managing, legal and other consultant fees incurred to enforce this section. The signing of this Agreement by the Consultant shall constitute execution of the above guarantees. Except as otherwise provided in this Agreement, the guarantees and warranties shall remain in effect for a period of one (1) year after Installation.

##### Installation

Consultant shall install the following equipment in the server closet located in the WPWMA administrative building: one (1) BCD-1800R server as shown in Figure 1, that has a 1-year storage capacity for the forty-one (41) existing cameras and to accommodate fifteen (15) additional cameras for future build out; one (1) Cyberpower Systems UPS as shown in Figure 2 with a minimum run time of eighty (80) minutes; and two (2) Cyberpower Systems battery packs as shown in Figure 3.

Consultant shall furnish and install any and all equipment required for the functionality of the upgraded CCTV system. Consultant shall supply the required rental equipment necessary for installation of all materials. Consultant shall ensure all rental equipment will be removed from the WPWMA's property at completion of the work.

Consultant shall connect the server to the onsite network and existing cameras so that the footage is viewable on workstations located in both the WPWMA administrative offices and



scalehouses. Consultant shall configure and test run the server and Milestone XProtect Smart Client viewing software to ensure the CCTV system operates to the WPWMA's satisfaction.

Task 2 Deliverables and Schedule:

<i>Deliverables (format)</i>	<i>Due</i>
Complete Installation	Within two weeks of receiving all equipment necessary for installation

**TASK 3: PROJECT COMPLETION**

After all installation, configuration, and test run activities are completed, Consultant shall perform a final site walk with WPWMA staff to confirm installation of equipment and all materials associated with the CCTV system additions. Consultant shall demonstrate system operation to the WPWMA staff designated by the WPWMA Project Manager.

Task 3 Deliverables and Schedule:

<i>Deliverables (format)</i>	<i>Due</i>
Final Site Walk/Demonstration	Within one (1) week of project completion



## FIGURE 1



# BCD-1800R

## 2U 12-Bay and 24-Bay Rackmount, Expandable BVA-Accelerated Milestone Appliance

### Milestone Appliance for Accelerated Video Processing

Benefit from scalable storage performance and video processing with the BCD-1800R server. This 2U, 2-socket platform brings you the scalability and performance to adapt to a variety of Milestone-based applications.

Equipped with the state-of-the-art BCDVideo Accelerator (BVA), fully harness the capacity of the BCD-1800R's 384TB raw storage, without needing to utilize live video drives. With the BVA enabled, read/write speeds exceed that of four hundred and fifty 15K SAS drives combined, ensuring disk bandwidth is never an issue. In addition, the BVA's capacitor backup to non-volatile cache helps prevent data loss should a device lose power for added reliability.

Storage is provided by up to twenty-four 24/7 duty cycle SATA drives. Paired with the latest Intel® Xeon® Scalable processors, this provides high-density storage for XProtect® throughput for the most demanding applications.

BCD's Harmonize iDRAC plug-in integrates with Milestone Systems' XProtect VMS and provides hardware events, notifications and alarms to be presented within the XProtect VMS.

Ease of operation is provided with dual OS SSDs for accelerated boot and application load times. RAID 5/6 storage options and dual redundant 1100W power supplies provide system high availability while a five-year, on-site, next business day, Keep Your Hard Drive warranty guarantees your peace of mind.

BCD's exclusive Harmonize Bridge, powered by Tiger Technology, includes full data protection, backup and archive, and instant disaster recovery, while delivering cloud scale and services without any disruption to your workflows. The flexibility within the BCD-1800R allows for on-premise recording, cloud recording, or both simultaneously.



**harmonize Bridge**  
POWERED BY TIGER TECHNOLOGY INSIDE

**harmonize**  
iDRAC PLUG-IN INSIDE

### KEY FEATURES



**\*Up to 170 channels at 987 Mbit/s, 1Gb NIC (12-Bay)**

**\*Up to 350 channels at 2033 Mbit/s, 10Gb NIC (12-Bay)**



**\*Up to 170 channels at 987 Mbit/s, 1Gb NIC (24-Bay)**

**\*Up to 450 channels at 2614 Mbit/s, 10Gb NIC (24-Bay)**



**Up to 192TB of Raw Storage (12-Bay)**

**Up to 384TB of Raw Storage (24-Bay)**



**Intel® Xeon® Silver Processors**



**Microsoft Windows Server 2019 Standard**



**Remote Management, Monitoring, and Disaster Recovery via the Milestone XProtect using the Harmonize Plug-In**



**SSD & SATA Drives**



**Redundant Power**



**RAID Options: 0, 1, 5, 6, 10**



**5-Year Keep Your Hard Drive Warranty**



**BCDVideo Accelerator**

\*Based upon these parameters: 1080p @ 30fps, approx - 5Mbps/channel, H.264 with 10096 VMD and Management/Recording server only.



# BCD-1800R

## 2U 12-Bay and 24-Bay Rackmount, Expandable BVA-Accelerated Milestone Appliance

### SYSTEM

#### Operating System

Microsoft Windows Server 2019 Standard

#### Memory

Single Processor: 16GB (2x 8GB)  
Dual Processors: 32GB (4x 8GB)  
Maximum Configuration: Up to 768GB  
RDIMM, 1.5TB LRDIMM, 192GB NVDIMM  
(24x DDR4 DIMM Slots)

#### Processor(s)

Up to (2) Intel® Xeon® Silver Scalable  
Processors (Up to 16 Cores, 32 Threads,  
3.20GHz per processor)

#### Processor Passmark

Intel® Xeon® Silver 4216: 18,561  
Dual Intel® Xeon® Silver 4216: 22,272

#### Networking

(2) 1GbE RJ45 Ports, (2) 10GbE SFP+ ports

#### Expansion Slots

Single Processor Models: (1) x16 full-height, (1) x8 low-profile PCIe slots (in default configuration)  
Dual Processor Models: (1) x16 full-height, (2) x8 low-profile PCIe slots (in default configuration)

#### USB(s)

Rear (2) USB 3.0, Front (2) USB 2.0,  
Internal (1) USB 3.0

#### Video Outputs

(1) VGA

#### Remote Management

iDRAC Express

### MECHANICAL

#### Form Factor

2U Rackmount

#### Power Supply(s)

(2) 1100W (100-240VAC) 80 Plus Platinum

#### Operating Temperature

(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]

#### Operating Humidity

5 ~ 90% (non-condensing)

#### Dimensions (WxDxH)

17.1" (434mm) x 28.15" (646mm) x 3.4" (86.8mm)

#### Max. Weight

65.43 lbs. (29.68kg)

#### Warranty

5-Year, On-site, NBD, Keep Your Hard Drive  
Warranty



### STORAGE

#### Hard Drive Bays

(12) 3.5" Hot Swappable Bays  
(24) 3.5" Hot Swappable Bays  
(2) M.2 SSD Slots (OS)

#### Hard Drives Supported

PCIe NVMe, SATA

#### RAID

OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10

#### RAID Controller

PERC H740P (8GB NV Cache)

#### Maximum Storage

Up to 192TB (12-bay)  
Up to 384TB (24-bay)

#### BCDVideo Accelerator Features

IOPS: 135,000

Capacity: 1.6TB

Endurance: 8.76 Total PB Written

Response Time: 30µs



## FIGURE 2



# CyberPower

## OL3000RTXL2U

### SMART APP

### ONLINE UPS



Providing mission-critical enterprise applications maximum power protection.

The CyberPower Smart App Online OL3000RTXL2U rack/tower uninterruptible power supply (UPS) with LCD control panel and sine wave output safeguards servers, enterprise and telecom equipment, VoIP and networking hardware that require seamless power correction.

Its Double Conversion Topology is generator compatible and delivers consistent and clean AC power with zero transfer time, protecting connected equipment and preventing costly business interruptions. Auto-bypass insures connected equipment continues to operate seamlessly when an overload or internal fault is detected.

Configurable GreenPower UPS™ ECO Mode improves UPS efficiency up to 95% and reduces electrical and cooling costs. Smart Battery Management (SBM) uses a 3 cycle charging mode and voltage-temperature compensation algorithm to improve battery life while reducing heat being generated.

A Three-Year Warranty ensures that this UPS has passed our highest quality standards in design, assembly, material or workmanship and further protection is offered by a \$400,000 Connected Equipment Guarantee.

#### TYPICAL APPLICATIONS

- Enterprise Servers
- Network and Storage Devices
- Edge Closets
- PBX and VoIP Installations

#### FEATURES

- 3000 VA / 2700 W
- Double Conversion Topology
- Selectable Output - 100, 110, 115, 120, 125 V, 50/60 Hz
- LCD Control Panel
- View/Change IP address via LCD control panel\*
- GreenPower UPS™ ECO Mode
- 2U Rack Mount/Tower Convertible
- Multiple Remote Management Interfaces: HTTP, SNMP, and CLI
- Outlets: (6) NEMA 5-20R, (1) NEMA L5-30R
- Communication Ports: USB, Serial, EPO, Dry Contacts, Expansion Slot
- PowerPanel® Business Edition Monitoring and Shutdown Software

## SPECIFICATIONS

#### GENERAL

UPS Topology	Online Double Conversion
Energy Saving	Yes, ECO Mode Efficiency >95%
ENERGY STAR® Qualified	Yes

#### INPUT

Nominal Voltage	100 V to 125 V
Voltage Range	60 V to 69 V, 0% to 60% load 70 V to 79 V, 0% to 70% load 80 V to 89 V, 0% to 80% load 90 V to 95 V, 0% to 90% load 96 V to 150 V, 0% to 100% load
Frequency Range	40 Hz to 70 Hz (auto-sensing)
Power Factor	0.99
Cold Start	Yes

#### INPUT - CONT.

Plug Type	NEMA L5-30P
Cord Length (ft)	10
Cord Length (m)	3

#### OUTPUT

VA	3000 (3 kVA) at 120, 125 V 2700 (2.7 kVA) at 115, 110 V 2400 (2.4 kVA) at 100 V
Watts	2700 (2.7 kW) at 120, 125 V 2430 (2.43 kW) at 115, 110 V 2160 (2.16 kW) at 100 V
Power Factor	0.9
Waveform (Battery Mode)	Sine wave
Nominal Voltage (Battery Mode)	100, 110, 115, 120, 125 V ±2% (configurable)
Frequency	50/60 Hz ±0.25 Hz (auto-sensing/configurable)

\*UPS requires RMCARD205 installed and must have firmware version 1.10 or above AND UPS firmware must be Sv3A00 or above.



# OL3000RTXL2U SMART APP ONLINE UPS

## SPECIFICATIONS CONT.



### OUTPUT - CONT.

ECO Mode Bypass Voltage Range	±10%, ±15% (configurable)
Harmonic Distortion (THD)	<3% at linear load, <5% at non-linear load
Crest Factor	3:1
Outlets - Total	7
Outlet Type	(6) NEMA 5-20R, (1) NEMA L5-30R
Overload Protection	Line Mode: 105% to 125% load for 1 min 126% to 150% load for 10 sec Battery Mode: 105% to 130% load for 10 sec 131% to 150% load for 2 sec
Short Circuit Protection	UPS output cut off immediately or input fuse / circuit breaker protection
Bypass	Internal bypass (automatic and manual)
Maintenance Bypass	Optional MBP30A5
Transfer Time	0ms

### BATTERY

Runtime at Half Load	11 min
Runtime at Full Load	3.5 min
Battery Type	Sealed lead acid
Battery Size	12 V/9 Ah
Battery Quantity	6
Replaceable	Yes
Replacement Battery	RB1290X6A
Hot Swappable	Yes
Typical Recharge Time	4 h (0% to 90%)
Smart Battery Management (SMB) Mode	Yes
Extended Battery Module (EBM)	Optional BP72V60ART2U

### SURGE PROTECTION & FILTERING

Surge Protection	1335 Joules, per IEC 61000-4-5 Level 3
Phone RJ-11 / Ethernet Surge Protection RJ-45	1-In / 1-Out (combo)
EMI/RFI Filtration	Yes

### MANAGEMENT & COMMUNICATIONS

LCD Control Panel	Access 23 scrollable system metrics, 25 configuration settings, and an events log.
Rotatable LCD Control Panel Option	Yes
Removable LCD Control Panel Option	Yes, requires DB26 cable (not included)
HID Compliant USB Port	Yes
Serial Port	Yes
Emergency Power Off (EPO) Port	Yes
Dry Contact Port	Yes
Cables Included	USB cable, Serial cable, Phone cable
LED Indicators	Power On (white) Line Mode (green) Battery Mode (yellow) Bypass Mode (yellow) Fault (red) Replace Battery (red)
Audible Alarms	Battery Mode, Battery Low, Overload, UPS Fault
Software	PowerPanel® Business Edition
Upgradeable Firmware	Yes, requires RMCARD205 <sup>1</sup>
Expansion Slot	Yes, for optional RMCARD205 or RELAYIO500

### PHYSICAL

Form Factor	Rack / Tower Convertible (Rotatable LCD)
Enclosure Construction	Steel
Rack Mounting Hardware	Included
Dimensions (WxHxD, in)	17 x 3.5 x 23.62
Dimensions (WxHxD, mm)	433 x 88 x 600
Weight (lb)	68.2
Weight (kg)	31
Rack Units	2U
Max. Mounting Rail Depth (in)	36.02
Max. Mounting Rail Depth (mm)	915
Min. Mounting Rail Depth (in)	20.47
Min. Mounting Rail Depth (mm)	520



# OL3000RTXL2U

## SMART APP ONLINE UPS

### SPECIFICATIONS CONT.

#### SHIPPING DIMENSIONS

Dimensions (WxHxD, in)	23.23 x 9.45 x 35.04
Dimensions (WxHxD, mm)	590 x 240 x 890
Weight (lb)	86.9
Weight (kg)	39.4

#### ENVIRONMENTAL

Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Operating Relative Humidity	0% to 90% non-condensing
Operating Elevation	0 ft to 10000 ft (0 m to 3000 m)
Storage Temperature	-4 °F to 113 °F (-20 °C to 45 °C)
Storage Relative Humidity	0% to 95% non-condensing
Storage Elevation	0 ft to 50000 ft (0 to 15000 m)
Online Thermal Dissipation (100% Load)	1116 BTU/h
ECO Mode Thermal Dissipation (100% Load)	465 BTU/h
Audible noise at 1 m from surface of unit	38 dBA to 55 dBA (0% to 100% load)

#### CERTIFICATIONS

Safety	UL 1778 CSA C22.2 NO.107.3-05 FCC DoC Class A
Environmental	RoHS compliant

#### WARRANTY

Product Warranty	3 Years Limited
Extended 2-Year Warranty	Optional WEXT5YR-U4B
Connected Equipment Guarantee	Lifetime
CEG Amount	\$400,000

<sup>1</sup>RM CARD205 must have firmware version 1.10 or above AND UPS firmware must be Sv3A00 or above.



### FIGURE 3



## BP72V60ART2U | EXTENDED BATTERY MODULE



Extend battery runtime for UPS systems during power outages.

The CyberPower BP72V60ART2U rack/tower convertible Extended Battery Module (EBM) for Smart App Online UPS systems OL2200RTXL2U, OL2200RTXL2UN, OL3000RTXL2U, OL3000RTXL2UN, OL3000RTXL2UHV and OL3000RTXL2UHVN extends battery runtimes during power outages. This EBM takes 2U of rack space and can be installed as a tower to match the UPS form factor. It also has a built-in battery charger, providing Fast Charge Technology to quickly restore the backup power supply to full capacity.

Up to ten EBMs can be added to the UPS, and the module's DC plug-and-play power connectors allow for daisy-chaining additional EBMs to a UPS system. The BP72V60ART2U typically has a UPS charging time of 4 hours, regardless of whether one or ten EBMS are installed, and comes with a three-year warranty.

### TYPICAL APPLICATIONS

- OL2200RTXL2U
- OL2200RTXL2UN
- OL3000RTXL2U
- OL3000RTXL2UN
- OL3000RTXL2UHV
- OL3000RTXL2UHVN

### TYPICAL APPLICATIONS

- Corporate and Enterprise Servers
- Network and Storage Devices
- Edge Closets
- PBX and VoIP Installations

### Features

- Output: 72V/60A
- Typical recharge time: 4 hours (0-90%)
- Battery type & quantity: 12V/9AH (12)
- Form factor: Rack/Tower
- Hot swappable: Yes
- Fast Charge Technology: Yes

## SPECIFICATIONS

### GENERAL

Amperage	60A
DC Voltage	72 VDC

### BATTERY

Built-in Charger	Yes
Battery Quantity	12
Typical Charge Time	4 Hours (0-90%)

### BATTERY - CONT.

Expansion Ready (Daisy-Chain)	Yes
Battery Size	12 V / 9 Ah
Replacement Battery Cartridge	(2) RB1290X6B
Hot Swappable	Yes
User Replaceable Battery	Yes



## BP72V60ART2U | EXTENDED BATTERY MODULE



### SPECIFICATIONS - CONT.

#### PHYSICAL

Rack Size	2U
Mounting Hardware	Included
Enclosure Construction	Steel
Physical Dimensions - (WxHxD) (cm)	43.18 x 8.89 x 59.94 (cm)
Physical Dimensions - (WxHxD) (in)	17 x 3.5 x 23.6 (in)
Physical Dimensions - (WxHxD) (mm)	432 x 89 x 599 (mm)
Weight (kg)	43.91
Weight (lb)	96.8
Shipping Dimensions - (WxHxD) (in)	22.5 x 9.5 x 34.63 (in)
Shipping Dimensions - (WxHxD) (mm)	571.5 x 241.3 x 879.6 (mm)
Shipping - Weight (kg)	53.21
Shipping - Weight (lb)	117.3
Shipping Dimensions - (WxHxD) (cm)	57.15 x 24.13 x 87.96 (cm)

#### ENVIRONMENTAL

Operating Temperature	32°F to 104°F / 0°C to 40°C
Operating Relative Humidity	0% - 90% non-condensing
Operating Elevation	0-10000 feet (0-3000 meters)
Storage Temperature	5°F to 113°F / -15°C to 45°C
Storage Relative Humidity	0% - 95% non-condensing
Storage Elevation	0-50000 feet (0-15000 meters)

#### CERTIFICATIONS

Safety	UL 1778 CSA C22.2 NO.107.3 FCC Part 15 Class A
Environmental	RoHS Compliant

#### WARRANTY

Product Warranty	3 Year Limited Warranty
Extended 2-Year Warranty	WEXT5YR-BP2



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**MEMORANDUM  
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**

DATE: **MAY 12, 2022**

FROM: **KEN GREHM / RYAN SCHMIDT** *RS*

SUBJECT: **MODULE 6 EXCAVATION AND SOIL STOCKPILING**

**RECOMMENDED ACTION:**

Approve project plans and specifications and authorize staff to solicit bids for the excavation of Module 6 and construction of soil stockpiles on Modules 1, 2, 10, and 11.

**BACKGROUND:**

At the September 2021 Board Meeting, your Board approved a contract with Golder Associates, Inc. (Golder) that included preparation of plans and specifications for soil excavation and stockpiling and the construction of Module 6. At the March 2022 Board meeting, WPWMA staff reported to your Board on the need to accelerate construction of Module 6 to 2024 due to the MRF fire that occurred the evening of November 10, 2021.

Since at least 2000, the landfill has been “soil positive”, meaning the operation does not consume as much soil as is excavated. As a result, largescale excavation must occur before Module 6 liner construction can begin due to the volume of soil currently in Module 6’s footprint. Golder estimates an approximate volume of 1,000,000 cubic yards of soil will need to be moved to Modules 1, 2, 10, and 11 for long-term storage along with 700,000 cubic yards to be stockpiled on future Module 7. The soil stockpiled in Modules 1, 2, 10 and 11 would remain in place until the landfill is closed, when it would be used to construct the final landfill cover. Module 7 is anticipated to be excavated in 10 to 15 years, at which time the WPWMA would need to conduct a similar excavation project.

Excavation of Module 6 is expected to occur during the third quarter of this year and extend into the second quarter of 2023, weather permitting. This would allow the liner construction project to be bid at the end of 2022, with the goal of liner construction taking place as the excavation contractor is ending its work. In an effort to reduce the volume of soils that require excavation, at the July 9, 2015 meeting your Board authorized staff to market excess soils that could be used for local construction efforts. To date, the WPWMA has marketed approximately 300,000 cubic yards of material saving an estimated \$1.8 million in excavation costs. Further, staff worked with Golder to structure the excavation bid documents to allow for the subsequent contractor to utilize soils for other, off-site projects if doing so could reduce the overall project cost to the WPWMA.

To proceed with the competitive bidding process, your Board must approve the bid documents and authorize staff to solicit bids; the complete set of bid documents is available for review at the WPWMA’s Administrative Offices. With your Board’s authorization, staff will work with the Placer County Procurement Services Division to solicit competitive construction bids in accordance with the Public Contract Code and



return to your Board for consideration to award the resultant contract in the coming months.

**ENVIRONMENTAL CLEARANCE:**

An Environmental Impact Report (EIR) for the Western Regional Sanitary Landfill (WRSL), including final cover projects, was certified by your Board in August of 1996. A supplemental EIR addressing the impacts of landfill heights was certified by your Board in August of 2000. No further environmental review is required.

**FISCAL IMPACT:**

The total estimated construction cost for the Module 6 excavation is \$11,343,170. Staff have including funding for the project in the proposed FY 2022/23 Preliminary Budget included as a separate item on this agenda.



**MEMORANDUM  
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**

DATE: **MAY 12, 2022**

FROM: **KEN GREHM / ERIC ODDO** 

SUBJECT: **FISCAL YEAR 2022/23 PRELIMINARY BUDGETS**

**RECOMMENDED ACTION:**

Approve the Fiscal Year 2022/23 Preliminary Budgets for the Operating Fund, Closure/Postclosure Fund, Self-Insurance Fund and Odor Management Fund as presented in Exhibits A, B and C.

**BACKGROUND:**

The WPWMA operates within four budgets:

1. The **Closure/Postclosure Fund**, whose purpose is to ensure adequate funding for corrective action, final closure and post-closure monitoring and maintenance of the landfill.
2. The **Self Insurance Fund**, which was established to cover expenses from claims, lawsuits and damage assessments against the WPWMA.
3. The **Odor Management Fund**<sup>1</sup>, which covers expenses related specifically to odor related monitoring, management, and public outreach.
4. The **Operating Fund**, which covers all other expenses of the WPWMA, including the MRF and WRSL operating agreements.

The attached Preliminary Budgets (Exhibits A through C) are based on current estimates of FY 2021/22 fund balances. Staff will request Board approval of Final Budgets after the close of FY 2021/22.

The Preliminary Budgets were developed based on the Financial Forecast (Exhibit D) and the following key assumptions:

1. Financing Costs – As has been discussed over the past year, the WPWMA intends to finance the costs associated with upgrading the MRF to comply with SB 1383 and other solid waste related regulations. As these financing costs are not yet well established, the proposed FY 2022/23 Preliminary Budget does not include any costs associated with bond acquisition or debt service. Further, any future tipping fee modifications that may be necessary to support the financing are not included in the Preliminary Budget or Financial Forecast. On April 25<sup>th</sup>, the WPWMA made a wire transfer to FCC in the amount of \$28,805,747.95 as the first installment on the new facility equipment which was paid for out of the WPWMA's available fund balance. Funds for this payment came from current

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<sup>1</sup> Odor management costs are technically included in the Operating Fund. Staff are presenting these odor-related costs and revenues as a separate "fund" solely for the purposes of transparency and clarity as it relates to the WPWMA's ongoing efforts related to facility related odors.



reserves as well as available cash; staff may recommend reimbursing some or all of these funds via the financing process. As a result, this use of funds is not currently reflected in the Preliminary Budget or Financial Forecast.

Staff will return to your Board at a subsequent meeting to provide additional information on these costs and potential tipping fee impacts. Staff anticipate that these costs and fee structures will be more accurately represented in the Final Budget that staff will present for your Board's consideration later this calendar year.

2. MRF Repairs – While the WPWMA is still in the process of repairing elements of the facility damaged during the November 2021 fire as well as submitting insurance claims for the repair costs, staff have assumed that repair costs will be fully covered through insurance settlements.
3. Tipping Fee Structure – At the March 10, 2022 meeting, your Board approved an increase to tipping fees effective July 1, 2022 to help offset anticipated future capital and operating costs associated with compliance with SB 1383. Based on the projected tonnages for FY 2022/23<sup>2</sup>, staff estimates the fee increase will result in approximately \$2,050,000 in additional revenue.
4. Tonnage – 540,704 total tons accepted, composed of mixed solid waste, sludge, green waste, food waste, construction and demolition debris (C&D), wood waste and inerts.

Staff estimate that the increase in tip fees approved by your Board for FY 2022/23 could result in some customers opting to utilize facilities in adjacent counties. Based on the types and quantities of materials delivered by commercial and other non-franchised haulers, staff project a 25% decrease in inert materials received at the site. Quantities received of the remaining material classifications are anticipated to be consistent with FY 2021/22 rates.

5. Construction Projects – \$12,000,000 budgeted as shown at the bottom of the second page of Exhibit A. This figure includes funding for the excavation of soils necessary to construct the next landfill module.
6. Reserve Accounts – A net contribution to reserves totaling \$4,493,428. Staff recommends utilizing \$12,000,000 from the Operating Fund – Contingencies Reserve Account for landfill-related construction projects and contributing \$9,617,842 to the Operating Fund – Fixed Asset Acquisition Reserve Account to be used towards the MRF upgrades.

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<sup>2</sup> Assumes the City of Roseville continues to send all of its wastes to the WPWMA in the short term.



Total fund balances and reserves at the end of the current and upcoming fiscal years are projected as follows:

	<b>FY 2021/22</b>	<b>FY 2022/23</b>
Operating Fund Budget	\$35,746,455	\$33,398,116
Closure/Postclosure Fund Budget	\$14,466,882	\$14,949,533
Self-Insurance Fund Budget	\$7,345,590	\$7,280,141
Odor Management Fund Budget	\$85,734	\$116,524
<b>Total Reserves</b>	<b>\$57,644,661</b>	<b>\$55,744,314</b>

Board approval of the FY 2022/23 Preliminary Budgets is required before the Placer County Auditor will release payment for invoices received after June 30, 2022.

#### **ENVIRONMENTAL CLEARANCE:**

Approval of the Preliminary Budgets does not constitute a "Project" under the California Environmental Quality Act, per CEQA Guidelines Section 15378(b)(5), because your Board does not fully commit to any individual project when approving the budgets. Appropriate environmental review will be conducted prior to your Board's approval of individual projects.

#### **FISCAL IMPACT:**

The Preliminary Budgets include sufficient funding to generate retained earnings for future use.

ATTACHMENTS: EXHIBIT A – OPERATING FUND PRELIMINARY BUDGET  
EXHIBIT B – CLOSURE/POSTCLOSURE FUND AND SELF-INSURANCE FUND PRELIMINARY BUDGETS  
EXHIBIT C – ODOR MANAGEMENT FUND PRELIMINARY BUDGET  
EXHIBIT D – FINANCIAL FORECAST



**EXHIBIT A****OPERATIONS FUND**

	2021/22 Final Budget	2021/22 Estimated	2022/23 Prelim. Budget	Notes
<u>SOURCES OF FUNDS</u>				
Retained Earnings	6,614,214	6,614,214	5,690,787	
42010: Investment Income	109,229	77,896	78,363	
42030: Rents and Concessions				
Rent	108,736	110,019	113,240	
Royalties	303,741	438,906	438,906	
44270: State Aid - Other Programs	0	67,976	0	
46240: Road and Street Services	33,018	34,152	33,104	
46250: Solid Waste Disposal	42,514,953	43,964,620	45,546,655	
46430: Insurance Settlements	0	2,100,000	0	
48030: Miscellaneous	7,500	74,632	15,000	
Reserve Cancellations				
Fixed Asset Acquisition	0	0	0	
Road Improvement	0	0	0	
HHW Closure	0	0	0	
Imprest Cash	0	0	0	
Contingencies	5,400,000	0	12,000,000	
TOTAL SOURCES OF FUNDS	55,091,391	53,482,415	63,916,055	

USES OF FUNDS

Ongoing Operations	32,492,791	32,616,894	42,264,395	
Major Construction Projects	10,458,140	3,033,140	12,000,000	
Land Acquisition	0	0	0	
Contribution to Reserves				
Fixed Asset Acquisition	12,106,741	12,106,741	9,617,842	
Road Improvement	33,018	34,152	33,104	
HHW Closure	701	701	715	
Imprest Cash	0	0	0	
Contingencies	0	0	0	
Auditor's Year End Adjustment	0	0	0	
Retained Earnings	0	5,690,787	0	
TOTAL USES OF FUNDS	55,091,391	53,482,415	63,916,056	

**OPERATING FUND RESERVE BALANCES**

Fixed Asset Acquisition	23,325,866	23,325,866	32,943,708	
Road Improvement	125,431	126,565	159,668	
HHW Closure	35,997	35,997	36,712	
Imprest Cash	8,600	8,600	8,600	
Contingencies	6,849,428	12,249,428	249,428	
TOTAL OPERATING FUND RESERVE BALANCES	30,345,321	35,746,455	33,398,116	



APPROPRIATIONS BY ACCOUNT	2021/22	2021/22	2022/23	
	Final Budget	Estimated	Prelim. Budget	Notes
51010: Wages and Salaries	1,247,715	1,247,715	1,269,550	
51040: Overtime and Call Back Pay	0	41,000	41,718	
51090: Cafeteria Plans (Non-PERS)	0	54,000	54,000	
51120: Uniform Allowance	0	2,400	2,400	
51210: Retirement	460,131	460,131	468,183	
51220: Payroll Taxes	93,685	93,685	95,324	
51240: Other Postemployment Benefits	147,073	147,073	149,647	
51310: Insurance	239,094	239,094	243,278	
52030: Clothing and Personal	3,500	3,500	2,000	
52040: Communication Services Expense	35,000	35,000	35,700	
52050: Food	1,500	1,000	1,000	
52060: Household Expense	3,000	3,000	3,000	
52080: Insurance	212,000	212,000	607,698	
52140: Parts	1,500	1,500	1,000	
52160: Maintenance	32,746	32,746	33,231	
52161: Maintenance - Buildings	25,000	25,000	30,000	
52170: Fuels and Lubricants	300	300	1,000	
52180: Materials - Buildings & Improvements	300	300	300	
52240: Professional / Membership Dues	2,600	2,600	8,500	
52250: Services and Supplies	200	200	200	
52260: Misc Expense	2,000	1,000	0	
52320: Printing	8,000	8,000	28,000	
52330: Office and Other Supplies	25,000	25,000	26,500	
52340: Postage	3,500	3,500	3,600	
52360: Prof. & Special Svcs - General	4,730,305	4,730,057	2,355,904	
52370: Prof. & Special Svcs - Legal	75,000	75,000	82,000	
52380: Prof. & Special Svcs - Tech., Eng. & Env.	23,276,928	23,506,296	35,264,847	
52390: Prof. & Special Svcs - County	126,000	126,000	128,520	
52400: Prof. & Special Svcs - IT	40,000	40,000	25,000	
52440: Rents and Leases - Equipment	100	100	100	
52450: Rents and Leases - Buildings & Improvements	100	100	100	
52460: Small Tools & Instruments	1,000	1,000	1,000	
52480: PC Acquisition	12,500	12,500	2,500	
52510: Director's Fees	6,000	5,900	6,000	
52540: Signing & Safety Material	10,000	10,000	10,000	
52560: Small Equipment	100	100	100	
52570: Advertising	30,000	30,000	25,000	
52580: Special Department Expense	14,060	14,060	5,000	
52785: Training / Education	10,000	10,000	5,000	
52790: Transportation and Travel	50,000	50,000	5,000	
52800: Utilities	300,000	300,000	300,000	
52810: Operating Materials	1,000	1,000	1,000	
53020: Bond Principle		0	0	
53060: Bond Interest		0	0	
53190: Taxes and Assessments	749,302	753,116	618,278	
53250: Contributions to other Agencies	266,553	266,553	273,217	
53390: Transfer Out A-87 Costs	250,000	45,369	50,000	
54410: Land	0	0	0	
54430: Buildings and Improvements	0	0	0	
54450: Equipment	385,000	385,000	0	
54470: Infrastructure	2,025,000	0	0	
54480: Land Improvements	8,048,140	2,648,140	12,000,000	
55510: Operating Transfer Out	0	0	0	
55550: Transfer to County for Road Improvements	0	0	0	
59000: Appropriation for Contingencies	0	0	0	
<b>TOTAL APPROPRIATIONS</b>	<b>42,950,931</b>	<b>35,650,034</b>	<b>54,264,395</b>	
<b>SUMMARY OF APPROPRIATIONS</b>				
Related to Ongoing Operations	32,492,791	32,616,894	42,264,395	
Related to Construction Projects	10,458,140	3,033,140	12,000,000	
Related to Land Acquisition	0	0	0	



SUB-ACCOUNT DETAIL	2021/22	2021/22	2022/23	Notes
	Final Budget	Estimated	Prelim. Budget	
52360: Prof. & Special Svcs - General				
2810: Financial Services	155,299	160,531	166,512	
2880: Administration	500	500	510	
2900: Audit Costs	20,000	20,000	20,000	
2920: Aerial Surveys and Mapping Services	5,500	5,500	5,500	
2940: Consulting Services	793,139	788,139	468,132	
2950: Professional Engineering Services	3,683,867	3,683,867	1,623,500	
3020: Armored Car Services	12,000	11,520	11,750	
3045: Temporary Worker Services	60,000	60,000	60,000	
52380: Prof. & Special Svcs - Tech., Eng. & Env.				
3140: Building Maintenance, Installation & Repairs	5,000	5,000	5,100	
3180: MRF Operations	19,397,601	19,626,970	32,056,266	
3190: Landfill Operations	2,764,327	2,764,327	2,790,731	
3320: Environmental and Ecological Services	1,000,000	1,000,000	300,000	
3322: Hazardous Waste (Temporary HHW events)	110,000	110,000	112,750	
53190: Taxes and Assessments				
4870: Taxes and Assessments - Disposal Taxes	448,689	517,503	413,147	
4870: Taxes and Assessments - Property Taxes	613	613	632	
4870: Taxes and Assessments - Permit Fees	200,000	200,000	204,000	
4870: Taxes and Assessments - Fines and Penalties	100,000	35,000	500	
MAJOR CONSTRUCTION PROJECTS				
54430: Buildings and Improvements				
Building Expansions, Retrofits and Modifications				
54450: Equipment				
MRF Equipment	200,000	200,000		
LFG Equipment				
Composting Systems				
Information and Communications Technology	25,000	25,000		
Security Systems	100,000	100,000		
Misc Equipment	60,000	60,000		
54470: Infrastructure				
Power	565,000			
Water	1,220,000			
Leachate/Sewage	240,000			
LFG Wells and Piping				
LFG Monitoring Systems				
Water Monitoring Systems				
54480: Land Improvements				
Liner Systems				
Cover Systems				
Compost Pads and Ponds	2,648,140	2,648,140		
Other	5,400,000		12,000,000	Module 6 soil excavation
MAJOR CONSTRUCTION PROJECTS TOTAL	7,665,327	3,033,140	12,000,000	



	2021/22	2021/22	2022/23	
TIPPING FEE STRUCTURE	Final Budget	Estimated	Prelim. Budget	Notes
Tipping Fee (\$ per ton)				
MSW	88.00	88.00	88.00	
C&D	88.00	88.00	88.00	
Sludge and Mixed Inerts	50.00	50.00	50.00	
Green Waste	66.00	66.00	68.00	
Wood Waste	40.00	40.00	55.00	
Food Waste	46.50	46.50	68.00	
Inerts	25.00	25.00	60.00	
H2O Sludge	9.23	9.23	10.00	
Roseville Recyclables	188.00	188.00	193.00	
Bulk Tires	205.00	206.00	210.00	
Tipping Fee (\$ per cubic yard)				
MSW	20.00	20.00	20.00	
C&D	20.00	20.00	20.00	
Green Waste	14.00	14.00	16.00	
Wood Waste	12.50	12.50	16.00	
Inerts	25.00	25.00	60.00	
Tipping Fee (\$ per unit)				
Appliances	8.25	8.25	8.50	
CFC Devices	38.00	38.00	39.00	
Car Tires	3.75	3.75	4.00	
Truck Tires	20.50	20.60	21.00	
Tractor Tires	82.00	82.40	84.00	
MATERIAL QUANTITIES				
MSW				
Tonnage	251,783	259,553	260,591	
Yardage	148,520	169,708	169,708	
C&D				
Tonnage	106,820	118,863	119,499	
Yardage	41,364	0	0	
Sludge and Mixed Inerts	20,065	21,299	19,288	
Green Waste				
Tonnage	55,026	58,045	57,503	
Yardage	47,713	40,197	40,699	
Wood Waste				
Tonnage	6,692	7,990	7,990	
Yardage	9,885	5,819	5,819	
Food Waste	2,344	2,450	2,475	
Inerts				
Tonnage	42,672	44,672	32,795	
Yardage	23,638	19,335	14,501	
Appliances	9,766	11,263	11,399	
CFC Devices	3,985	4,712	4,769	
Tires				
Car	6,345	6,698	6,779	
Truck	96	110	111	
Tractor	60	47	48	
Bulk Tonnage	37	52	53	
H2O Sludge	1,009	1,231	1,246	
Treated Wood Waste	409	257	260	



**EXHIBIT B****CLOSURE / POSTCLOSURE FUND**

	2021/22 Final Budget	2021/22 Estimated	2022/23 Prelim. Budget	Notes
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**SOURCES OF FUNDS**

Retained Earnings	0	0	0	
42010: Investment Income	76,073	30,448	42,967	
46250: Solid Waste Disposal	322,684	348,861	439,684	
General Reserve Cancellations	0	354,105	154,785	
<b><u>TOTAL SOURCES OF FUNDS</u></b>	<b>398,757</b>	<b>733,414</b>	<b>637,436</b>	

**USES OF FUNDS**

Closure/Postclosure Liability Adjustment	(9,951)	733,414	637,436	
Contribution to General Reserves	408,708	0	0	
Contribution to Operating Fund	0	0	0	
Retained Earnings	0	0	0	
<b><u>TOTAL USES OF FUNDS</u></b>	<b>398,757</b>	<b>733,414</b>	<b>637,436</b>	

**CLOSURE/POSTCLOSURE FUND BALANCE**

Closure/Postclosure Liability	13,411,978	14,155,343	14,792,779	
General Reserves	1,074,352	311,539	156,754	
<b>TOTAL CLOSURE/POSTCLOSURE FUND BALANCE</b>	<b>14,486,330</b>	<b>14,466,882</b>	<b>14,949,533</b>	

**SELF INSURANCE FUND**

	2021/22 Final Budget	2021/22 Estimated	2022/23 Prelim. Budget	
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**SOURCES OF FUNDS**

Retained Earnings	0	0	0	
42010: Investment Income	39,581	15,772	21,816	
46250: Solid Waste Disposal	0	0	0	
Future Occurances Reserve Cancellations	65,449	65,449	65,449	
<b><u>TOTAL SOURCES OF FUNDS</u></b>	<b>105,030</b>	<b>81,221</b>	<b>87,265</b>	

**USES OF FUNDS**

52360: Prof. & Special Svcs - General	0	0	0	
52370: Prof. & Special Svcs - Legal	0	0	0	
52380: Prof. & Special Svcs - Tech., Eng. & Env.	0	0	0	
52390: Prof. & Special Svcs - County				
53140: Judgements and Damages	0	0	0	
Contribution to Reserve for Future Occurances	105,030	81,221	0	
Retained Earnings	0	0	87,265	
<b><u>TOTAL USES OF FUNDS</u></b>	<b>105,030</b>	<b>81,221</b>	<b>0</b>	

**SELF INSURANCE RESERVE BALANCE**

Reserve for Future Occurances	7,369,398	7,345,590	7,280,141	
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**EXHBIT C**
**ODOR MANAGEMENT FUND**

	2021/22 Final Budget	2021/22 Estimated	2022/23 Prelim. Budget	Notes
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**SOURCES OF FUNDS**

Retained Earnings	0	0	13,008	
42010: Investment Income	380	209	283	
46250: Solid Waste Disposal	232,527	245,706	232,242	
49060: Contributions from Other Funds				
PRSP towards Capital Improvements	0	0	0	
PRSP towards Operations and Maintenance	0	0	0	
SAP towards Capital Improvements	0	0	0	
SAP towards Operations and Maintenance	0	0	0	
Odor Management Reserve Cancellations	0	0	0	
<b><u>TOTAL SOURCES OF FUNDS</u></b>	<b>232,907</b>	<b>245,915</b>	<b>245,533</b>	

**USES OF FUNDS**

Ongoing Operations	210,536	210,536	214,743	
Major Construction Projects	0	0	0	
Contribution to Reserves				
SAP/PRSP Capital and Operating	0	0	0	
Non SAP/PRSP Capital and Operating	22,371	22,371	30,790	
Auditor's Year End Adjustment	0	0	0	
Retained Earnings	0	13,008	0	
<b><u>TOTAL USES OF FUNDS</u></b>	<b>232,907</b>	<b>245,915</b>	<b>245,533</b>	

**ODOR MANAGEMENT FUND RESERVE BALANCES**

SAP/PRSP Capital and Operating	0	0	0	
Non SAP/PRSP Capital and Operating	85,734	85,734	116,524	
<b>TOTAL ODOR MANAGEMENT FUND RESERVE BALANCES</b>	<b>85,734</b>	<b>85,734</b>	<b>116,524</b>	

**APPROPRIATIONS BY ACCOUNT**

51010: Wages and Salaries	31,267	31,267	31,814	
51210: Retirement	11,531	11,531	11,732	
51220: Payroll Taxes	2,348	2,348	2,389	
51240: Other Postemployment Benefits	3,686	3,686	3,750	
51310: Insurance	5,992	5,992	6,096	
52050: Food	0	0	0	
52140: Parts	0	0	0	
52160: Maintenance	120,486	120,486	122,892	
52260: Misc Expense	0	0	0	
52320: Printing	2,800	2,800	2,856	
52330: Other Supplies	0	0	0	
52340: Postage	0	0	0	
52360: Prof. & Special Svcs - General	0	0	0	
52380: Prof. & Special Svcs - Tech., Eng. & Env.	80,000	80,000	81,600	
52460: Small Tools & Instruments	4,448	4,448	0	
52480: PC Acquisition	0	0	0	
52560: Small Equipment	0	0	0	
52570: Advertising	0	0	5,000	
52580: Special Department Expense	0	0	250	
54430: Buildings and Improvements	0	0	0	
54450: Equipment	0	0	0	
54470: Infrastructure	0	0	0	
54480: Land Improvements	0	0	0	
59000: Appropriation for Contingencies	0	0	2,000	
<b>TOTAL APPROPRIATIONS</b>	<b>0</b>	<b>0</b>	<b>122,814</b>	



**EXHIBIT D****OPERATIONS FUND****SOURCES OF FUNDS**

	2021/22	2022/23	2023/24	2024/25
Retained Earnings	6,614,214	5,690,787	0	99,699
42010: Investment Income	77,896	78,363	104,604	104,716
42030: Rents and Concessions				
Rent	110,019	113,240	99,664	99,055
Royalties	438,906	438,906	0	0
44270: State Aid - Other Programs	67,976	0	0	0
46240: Road and Street Services	34,152	33,104	33,193	33,833
46250: Solid Waste Disposal	43,964,620	45,546,655	49,237,611	52,158,496
46430: Insurance Settlements	2,100,000	0	0	0
48030: Miscellaneous	74,632	15,000	15,000	15,000
Reserve Cancellations				
Fixed Asset Acquisition	0	0	1,700,000	0
Road Improvement	0	0	0	0
HHW Closure	0	0	0	0
Imprest Cash	0	0	0	0
Contingencies	0	12,000,000	0	0
<u><b>TOTAL SOURCES OF FUNDS</b></u>	<b>53,482,415</b>	<b>63,916,055</b>	<b>51,190,071</b>	<b>52,510,799</b>

**USES OF FUNDS**

Ongoing Operations	32,616,894	42,264,395	43,056,450	45,306,695
Major Construction Projects	3,033,140	12,000,000	8,000,000	0
Land Acquisition	0	0	0	0
Contribution to Reserves				
Fixed Asset Acquisition	12,106,741	9,617,842	0	7,169,526
Road Improvement	34,152	33,104	33,193	33,833
HHW Closure	701	715	729	744
Imprest Cash	0	0	0	0
Contingencies	0	0	0	0
Auditor's Year End Adjustment	0	0	0	0
Retained Earnings	5,690,787	0	99,699	0
<u><b>TOTAL USES OF FUNDS</b></u>	<b>53,482,415</b>	<b>63,916,056</b>	<b>51,190,071</b>	<b>52,510,799</b>

**OPERATING FUND RESERVE BALANCES**

Fixed Asset Acquisition	23,325,866	32,943,708	31,243,708	38,413,234
Road Improvement	126,565	159,668	192,861	226,695
HHW Closure	35,997	36,712	37,441	38,185
Imprest Cash	8,600	8,600	8,600	8,600
Contingencies	12,249,428	249,428	249,428	249,428
<b>TOTAL OPERATING FUND RESERVE BALANCES</b>	<b>35,746,455</b>	<b>33,398,116</b>	<b>31,732,038</b>	<b>38,936,141</b>



	2021/22	2022/23	2023/24	2024/25
APPROPRIATIONS BY ACCOUNT				
51010: Wages and Salaries	1,247,715	1,269,550	1,291,767	1,314,373
51040: Overtime and Call Back Pay	41,000	41,718	42,448	43,190
51090: Cafeteria Plans (Non-PERS)	54,000	54,000	54,000	54,000
51120: Uniform Allowance	2,400	2,400	2,400	2,400
51210: Retirement	460,131	468,183	476,376	484,713
51220: Payroll Taxes	93,685	95,324	96,992	98,690
51240: Other Postemployment Benefits	147,073	149,647	152,266	154,931
51310: Insurance	239,094	243,278	247,535	251,867
52030: Clothing and Personal	3,500	2,000	2,000	2,040
52040: Communication Services Expense	35,000	35,700	36,414	37,142
52050: Food	1,000	1,000	1,020	1,040
52060: Household Expense	3,000	3,000	3,060	3,121
52080: Insurance	212,000	607,698	638,083	669,987
52140: Parts	1,500	1,000	1,020	1,040
52160: Maintenance	32,746	33,231	33,726	34,231
52161: Maintenance - Buildings	25,000	30,000	30,600	31,212
52170: Fuels and Lubricants	300	1,000	1,020	1,040
52180: Materials - Buildings & Improvements	300	300	306	312
52240: Professional / Membership Dues	2,600	8,500	8,670	8,843
52250: Services and Supplies	200	200	204	208
52260: Misc Expense	1,000	0	0	0
52320: Printing	8,000	28,000	28,560	29,131
52330: Office and Other Supplies	25,000	26,500	27,030	27,571
52340: Postage	3,500	3,600	3,672	3,745
52360: Prof. & Special Svcs - General	4,730,057	2,355,904	2,372,207	2,426,636
52370: Prof. & Special Svcs - Legal	75,000	82,000	83,640	85,313
52380: Prof. & Special Svcs - Tech., Eng. & Env.	23,506,296	35,264,847	35,984,390	38,167,321
52390: Prof. & Special Svcs - County	126,000	128,520	131,090	133,712
52400: Prof. & Special Svcs - IT	40,000	25,000	25,500	26,010
52440: Rents and Leases - Equipment	100	100	102	104
52450: Rents and Leases - Buildings & Improvements	100	100	102	104
52460: Small Tools & Instruments	1,000	1,000	1,020	1,040
52480: PC Acquisition	12,500	2,500	2,550	2,601
52510: Director's Fees	5,900	6,000	6,000	6,000
52540: Signing & Safety Material	10,000	10,000	1,000	1,020
52560: Small Equipment	100	100	102	104
52570: Advertising	30,000	25,000	25,500	26,010
52580: Special Department Expense	14,060	5,000	5,100	5,202
52785: Training / Education	10,000	5,000	5,100	5,202
52790: Transportation and Travel	50,000	5,000	5,100	5,202
52800: Utilities	300,000	300,000	306,000	312,120
52810: Operating Materials	1,000	1,000	1,000	1,000
53020: Bond Principle	0	0	0	0
53060: Bond Interest	0	0	0	0
53190: Taxes and Assessments	753,116	618,278	591,730	510,116
53250: Contributions to other Agencies	266,553	273,217	280,047	287,048
53390: Transfer Out A-87 Costs	45,369	50,000	50,000	50,000
54410: Land	0	0	0	0
54430: Buildings and Improvements	0	0	0	0
54450: Equipment	385,000	0	0	0
54470: Infrastructure	0	0	0	0
54480: Land Improvements	2,648,140	12,000,000	8,000,000	0
55510: Operating Transfer Out	0	0	0	0
55550: Transfer to County for Road Improvements	0	0	0	0
59000: Appropriation for Contingencies	0	0	0	0
TOTAL APPROPRIATIONS	35,650,034	54,264,395	51,056,450	45,306,695
SUMMARY OF APPROPRIATIONS				
Related to Ongoing Operations	32,616,894	42,264,395	43,056,450	45,306,695
Related to Construction Projects	3,033,140	12,000,000	8,000,000	0
Related to Land Acquisition	0	0	0	0



SUB-ACCOUNT DETAIL	2021/22	2022/23	2023/24	2024/25
52360: Prof. & Special Svcs - General				
2810: Financial Services	160,531	166,512	179,827	190,409
2880: Administration	500	510	520	531
2900: Audit Costs	20,000	20,000	20,400	20,808
2920: Aerial Surveys and Mapping Services	5,500	5,500	5,610	5,722
2940: Consulting Services	788,139	468,132	462,194	471,438
2950: Professional Engineering Services	3,683,867	1,623,500	1,630,470	1,663,079
3020: Armored Car Services	11,520	11,750	11,985	12,225
3045: Temporary Worker Services	60,000	60,000	61,200	62,424
52380: Prof. & Special Svcs - Tech., Eng. & Env.				
3140: Building Maintenance, Installation & Repairs	5,000	5,100	5,202	5,306
3180: MRF Operations	19,626,970	32,056,266	32,751,811	34,904,235
3190: Landfill Operations	2,764,327	2,790,731	2,810,308	2,836,314
3320: Environmental and Ecological Services	1,000,000	300,000	301,500	303,008
3322: Hazardous Waste (Temp Events & Sac County)	110,000	112,750	115,569	118,458
53190: Taxes and Assessments				
4870: Taxes and Assessments - Disposal Taxes	517,503	413,147	382,499	296,704
4870: Taxes and Assessments - Property Taxes	613	632	651	670
4870: Taxes and Assessments - Permit Fees	200,000	204,000	208,080	212,242
4870: Taxes and Assessments - Fines and Penalties	35,000	500	500	500
MAJOR CONSTRUCTION PROJECTS				
54430: Buildings and Improvements				
Building Expansions, Retrofits and Modifications				
54450: Equipment				
MRF Equipment	200,000			
LFG Equipment				
Composting Systems				
Information and Communications Technology	25,000			
Security Systems	100,000			
Misc Equipment	60,000			
54470: Infrastructure				
Power				
Water				
Leachate/Sewage				
LFG Wells and Piping				
LFG Monitoring Systems				
Water Monitoring Systems				
54480: Land Improvements				
Liner Systems			8,000,000	
Cover Systems				
Compost Pads and Ponds	2,648,140			
Other		12,000,000		
MAJOR CONSTRUCTION PROJECTS TOTAL	3,033,140	12,000,000	8,000,000	0



	2021/22	2022/23	2023/24	2024/25
<b>TIPPING FEE STRUCTURE</b>				
Tipping Fee (\$ per ton)				
MSW	88.00	88.00	95.04	97.89
C&D	88.00	88.00	95.04	97.89
Sludge and Mixed Inerts	50.00	50.00	54.00	55.62
Green Waste	66.00	68.00	73.44	75.64
Wood Waste	40.00	55.00	56.65	58.34
Food Waste	46.50	68.00	70.04	72.14
Inerts	25.00	60.00	61.80	63.65
H2O Sludge	9.23	10.00	10.30	10.60
Treated Wood Waste	188.00	193.00	198.79	204.75
Bulk Tires	206.00	210.00	216.30	222.78
Tipping Fee (\$ per cubic yard)				
MSW	20.00	20.00	21.60	22.24
C&D	20.00	20.00	21.60	22.24
Green Waste	14.00	16.00	17.28	17.79
Wood Waste	12.50	16.00	16.48	16.97
Inerts	25.00	60.00	61.80	63.65
Tipping Fee (\$ per unit)				
Appliances	8.25	8.50	8.75	9.01
CFC Devices	38.00	39.00	40.17	41.37
Car Tires	3.75	4.00	4.12	4.24
Truck Tires	20.60	21.00	21.63	22.27
Tractor Tires	82.40	84.00	86.52	89.11
<b>MATERIAL QUANTITIES</b>				
MSW				
Tonnage	259,553	260,591	261,668	262,848
Yardage	169,708	169,708	170,409	171,178
C&D				
Tonnage	118,863	119,499	120,461	122,020
Yardage	0	0	0	50,000
Sludge and Mixed Inerts	21,299	19,288	17,788	16,441
Green Waste				
Tonnage	58,045	57,503	58,222	58,949
Yardage	40,197	40,699	41,208	41,723
Wood Waste				
Tonnage	7,990	7,990	7,990	8,390
Yardage	5,819	5,819	5,819	6,110
Food Waste	2,450	2,475	2,499	2,524
Inerts				
Tonnage	44,672	32,795	32,781	33,034
Yardage	19,335	14,501	14,495	14,607
Appliances	11,263	11,399	11,539	11,681
CFC Devices	4,712	4,769	4,828	4,887
Tires				
Car	6,698	6,779	6,862	6,946
Truck	110	111	113	114
Tractor	47	48	48	49
Bulk Tonnage	52	53	53	54
H2O Sludge	1,231	1,246	1,261	1,277
Treated Wood Waste	257	260	263	267



	2021/22	2022/23	2023/24	2024/25
<b>CLOSURE / POSTCLOSURE FUND</b>				
<u>SOURCES OF FUNDS</u>				
Retained Earnings	0	0	0	0
42010: Investment Income	30,448	42,967	44,400	45,853
46250: Solid Waste Disposal	348,861	439,684	444,866	452,229
General Reserve Cancellations	354,105	154,785	131,715	24,594
<b>TOTAL SOURCES OF FUNDS</b>	<b>733,414</b>	<b>637,436</b>	<b>620,981</b>	<b>522,677</b>
<u>USES OF FUNDS</u>				
Closure/Postclosure Liability Adjustment	733,414	637,436	620,981	522,677
Contribution to General Reserves	0	0	0	0
Contribution to Operating Fund	0	0	0	0
Retained Earnings	0	0	0	0
<b>TOTAL USES OF FUNDS</b>	<b>733,414</b>	<b>637,436</b>	<b>620,981</b>	<b>522,677</b>
<b>CLOSURE/POSTCLOSURE FUND BALANCE</b>				
Closure/Postclosure Liability	14,155,343	14,792,779	15,413,760	15,936,437
General Reserves	311,539	156,754	25,040	445
<b>TOTAL CLOSURE/POSTCLOSURE FUND BALANCE</b>	<b>14,466,882</b>	<b>14,949,533</b>	<b>15,438,800</b>	<b>15,936,882</b>
<b>SELF INSURANCE FUND</b>				
<u>SOURCES OF FUNDS</u>				
Retained Earnings	0	0	87,265	174,335
42010: Investment Income	15,772	21,816	21,622	21,428
46250: Solid Waste Disposal	0	0	0	0
Future Occurances Reserve Cancellations	65,449	65,449	65,449	65,449
<b>TOTAL SOURCES OF FUNDS</b>	<b>81,221</b>	<b>87,265</b>	<b>174,335</b>	<b>261,212</b>
<u>USES OF FUNDS</u>				
52360: Prof. & Special Svcs - General	0	0	0	0
52370: Prof. & Special Svcs - Legal	0	0	0	0
52380: Prof. & Special Svcs - Tech., Eng. & Env.	0	0	0	0
52390: Prof. & Special Svcs - County	0	0	0	0
53140: Judgements and Damages	0	0	0	0
Contribution to Reserve for Future Occurances	81,221	0	0	0
Retained Earnings	0	87,265	174,335	261,212
<b>TOTAL USES OF FUNDS</b>	<b>81,221</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SELF INSURANCE RESERVE BALANCE</b>				
Reserve for Future Occurances	7,345,590	7,280,141	7,214,693	7,149,244



	2021/22	2022/23	2023/24	2024/25
<b>ODOR MANAGEMENT FUND</b>				
<u>SOURCES OF FUNDS</u>				
Retained Earnings	0	13,008	0	0
42010: Investment Income	209	283	385	442
46250: Solid Waste Disposal	245,706	232,242	236,042	247,083
49060: Contributions from Other Funds				
PRSP towards Capital Improvements	0	0	0	0
PRSP towards Operations and Maintenance	0	0	0	0
SAP towards Capital Improvements	0	0	0	0
SAP towards Operations and Maintenance	0	0	0	0
Odor Management Reserve Cancellations	0	0	0	0
<u>TOTAL SOURCES OF FUNDS</u>	245,915	245,533	236,427	247,525
<u>USES OF FUNDS</u>				
Ongoing Operations	210,536	214,743	219,034	223,411
Major Construction Projects	0	0	0	0
Contribution to Reserves				
SAP/PRSP Capital and Operating	0	0	0	0
Non SAP/PRSP Capital and Operating	22,371	30,790	17,392	24,114
Auditor's Year End Adjustment	0	0	0	0
Retained Earnings	13,008	0	0	0
<u>TOTAL USES OF FUNDS</u>	245,915	245,533	236,427	247,525
<b>ODOR MANAGEMENT FUND RESERVE BALANCES</b>				
SAP/PRSP Capital and Operating	0	0	0	0
Non SAP/PRSP Capital and Operating	85,734	116,524	133,917	158,031
<b>TOTAL ODOR MANAGEMENT FUND RESERVE BALANCES</b>	<b>85,734</b>	<b>116,524</b>	<b>133,917</b>	<b>158,031</b>
<b>APPROPRIATIONS BY ACCOUNT</b>				
51010: Wages and Salaries	31,267	31,814	32,371	32,937
51210: Retirement	11,531	11,732	11,938	12,147
51220: Payroll Taxes	2,348	2,389	2,431	2,473
51240: Other Postemployment Benefits	3,686	3,750	3,816	3,882
51310: Insurance	5,992	6,096	6,203	6,312
52050: Food	0	0	0	0
52140: Parts	0	0	0	0
52160: Maintenance	120,486	122,892	125,346	127,850
52260: Misc Expense	0	0	0	0
52320: Printing	2,800	2,856	2,913	2,971
52330: Other Supplies	0	0	0	0
52340: Postage	0	0	0	0
52360: Prof. & Special Svcs - General	0	0	0	0
52380: Prof. & Special Svcs - Tech., Eng. & Env.	80,000	81,600	83,232	84,897
52460: Small Tools & Instruments	0	0	0	0
52480: PC Acquisition	0	0	0	0
52560: Small Equipment	0	0	0	0
52570: Advertising	5,000	5,100	5,202	5,306
52580: Special Department Expense	250	255	260	265
54430: Buildings and Improvements	0	0	0	0
54450: Equipment	0	0	0	0
54470: Infrastructure	0	0	0	0
54480: Land Improvements	0	0	0	0
59000: Appropriation for Contingencies	2,000	2,040	2,081	2,122
<b>TOTAL APPROPRIATIONS</b>	<b>210,536</b>	<b>214,743</b>	<b>219,034</b>	<b>223,411</b>