



Scott Alvord, City of Roseville, Chair
Shanti Landon, Placer County
Bonnie Gore, Placer County
Bill Halldin, City of Rocklin
Dan Karleskint, City of Lincoln
Ken Grehm, Executive Director

WESTERN PLACER WASTE MANAGEMENT AUTHORITY MEETING OF THE BOARD OF DIRECTORS

NOVEMBER 9, 2023 5:00 PM

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

The WPWMA Board of Directors NOVEMBER 9, 2023 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/96449810662>

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. 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 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 Landon)
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. MRF Operator Quarterly Report (FCC) Pg. 5
 - f. Landfill Operator Quarterly Report (FCC) Pg. 15
 - g. MRF Improvements Project Update (FCC) Pg. 21
 - h. WPWMA Operations & Engineering Report (Will Scheffler) Pg. 23
 - i. Landfill Gas Presentation (Will Scheffler) Pg. 27

7. Action Items

- a. Minutes of the Board Meeting held October 12, 2023 Pg. 41
Approve as submitted.
- b. Compatible Technology Evaluation Criteria (Eric Oddo) Pg. 50
 - 1. Approve criteria associated with the preliminary evaluation of third-party compatible technologies proposed to be sited on the WPWMA's campus.
 - 2. Determine that the recommended action is not a project pursuant to California Environmental Quality Act Guidelines Section 15378.
- c. Board Meeting Policies and Practices: Virtual Access (Eric Oddo) Pg. 55
 - 1. Provide direction to staff regarding suggested revisions to the WPWMA's policies and procedures for providing virtual access to WPWMA Board meetings.
 - 2. Determine that the recommended action is not a project pursuant to California Environmental Quality Act Guidelines Section 15378.
- d. WPWMA Board Size and Composition (Ken Grehm) Pg. 57
Provide direction to staff regarding possible adjustments to the size and jurisdictional composition of the WPWMA Board of Directors.

8. Upcoming Agenda Items

Identification of any items the Board would like staff to address at a future meeting.

9. Adjournment

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

Year-to-Date
September 2023

	Year to Date				Notes
	Annual Budget	Budget	Actuals	Variance	
Revenue					
42010:Investment Income					
Interest / Investment Income	247,047	61,762	83,510	21,748	Budgeted a lower rate of return based on previous years' earnings rate
Interest with Fiscal Agent	2,546,790	636,698	67,727	(568,970)	Interest on all bond-related accounts not yet realized
42030:Rents and Concessions	492,586	123,147	36,017	(87,130)	Royalty payments for August and September not yet received
44270:State Aid - Other Programs	-	-	-	-	
46240:Sanitation Services - Other	32,368	7,930	7,695	(235)	Tipping fee revenues tracking ~4.6% below budgeted amounts
46250:Solid Waste Disposal	51,986,849	12,757,603	12,175,494	(582,109)	Tipping fee revenues tracking ~4.6% below budgeted amounts
46430:Insurance	-	-	-	-	
48030:Miscellaneous	15,000	3,750	9,246	5,496	
49040: Gain/Loss on Fixed Asset Disposal	45,000	45,000	-	(45,000)	Payment for FCC for water truck pending DMV inspection of vehicle
Total Revenue	55,365,639	13,635,888	12,379,689	(1,256,199)	
Expenses					
Capital Assets:					
54430:Buildings & Improvements	2,751,366	2,409,401	2,409,401	-	
54450:Equipment	37,192,502	14,018,931	14,018,931	0	
54470:Infrastructure	550,000	-	-	-	
54480:Land Improvements	-	-	452,821	(452,821)	Module 6 liner construction costs were included in prior year budget; will be identified in 23/24 Final Budget
Operating Expenses:					
51010:Wages and Salaries	2,243,386	560,846	534,578	26,268	
52030:Clothing and Personal	2,500	625	567	58	
52040:Communication Services Expense	10,000	2,500	820	1,680	
52050:Food	1,000	250	331	(81)	
52060:Household Expense	1,000	250	102	148	
52080:Insurance	359,003	89,751	153,701	(63,950)	Total insurance premium exceeds budgeted amount; will adjust at Final Budget
52140:Parts	1,000	250	23	227	
52160:Maintenance	159,379	39,845	37,597	2,248	
52161:Maintenance - Building	30,000	7,500	-	7,500	
52170:Fuels & Lubricants	2,500	625	767	(142)	
52180:Materials - Buildings & Improvements	1,000	250	-	250	
52240:Professional / Membership Dues	6,000	6,000	3,460	2,540	Several staff annual membership costs to SWANA not yet realized
52250:Services and Supplies	1,000	250	-	250	
52260:Misc Expense	-	-	-	-	
52320:Printing	16,000	4,000	3,717	283	Print charges from County not yet realized
52330:Other Supplies	20,000	5,000	9,915	(4,915)	Purchased larger quantity scalehouse tickets to obtain better unit pricing.
52340:Postage	3,000	750	462	288	
52360:Prof. & Special Svcs - General	3,960,011	990,003	265,173	724,829	Several planned professional service contracts not yet initiated.
52370:Professional and Special Services - Legal	160,000	40,000	22,948	17,052	Lower than expected legal counsel costs to date.
52380:Prof. & Special Svcs - Tech., Eng. & Env.					
SC3140 Building Maintenance Installation and Repair Services	5,100	5,100	-	5,100	
SC3180 MRF Operations	30,552,210	7,423,902	6,687,448	736,454	Lower than projected material quantities received at MRF
SC3190 Landfill Operations	2,778,838	694,709	384,249	310,460	Lower than projected disposal rates and associated costs
SC3320 Environmental and Ecological Services	150,000	37,500	12,422	25,079	Lower than projected County staff time billed to WPWMA-related projects
SC3322 Hazardous Waste	2,500	625	180	445	
52390:Prof. & Special Svcs - County	225,000	56,250	4,683	51,567	Lower than expected County service fees to date
52400:Prof. & Special Svcs - IT	130,000	32,500	23,048	9,452	Lower than expected IT service costs to date
52440:Rents and Leases - Equipment	100	25	-	25	
52450:Rents and Leases - Buildings & Improvements	100	25	-	25	
52460:Small Tools & Instruments	1,000	250	114	136	
52480:PC Acquisition	5,000	5,000	5,252	(252)	
52510:Commissioner's Fees	6,000	1,500	1,500	-	
52540:Signing & Safety Material	1,000	250	-	250	
52560:Small Equipment	100	25	-	25	
52570:Advertising	14,900	3,725	11,375	(7,650)	Includes cost for Comstock's Magazine ad and Growth Factory sponsorship not included in Preliminary Budget
52580:Special Department Expense	5,000	1,250	543	707	
52785:Training / Education	5,000	1,250	-	1,250	
52790:Transportation and Travel	45,900	11,475	10,151	1,324	
52800:Utilities	255,000	63,750	29,534	34,216	Annual sewer fees not realized
53050:Debt Issuance Costs	-	-	-	-	
53190:Taxes and Assessments	543,709	135,927	107,402	28,525	Lower than projected taxes due resulting from lower than projected disposal rates
53250:Contributions to Other Agencies	276,178	276,178	274,022	2,156	
53390:Transfer Out A-87 Costs	50,000	12,500	-	12,500	Projected A-87 costs not yet billed or realized.
55510:Operating Transfer Out	-	-	-	-	
59000:Appropriation for Contingencies	-	-	-	-	
Total Expenses	82,523,281	26,940,743	25,473,803	1,466,940	
Net Income/(Loss)	(27,157,642)	(13,304,855)	(13,094,114)	210,741	
Additional non Income Statement Transactions:					
Bond Proceeds	39,864,268	14,018,931	14,018,931	0	
Planned use of Reserves	-	-	-	-	
Total with Bond Proceeds and Reserves	12,706,626	714,077	924,817	210,741	

Notes:

- Budgeted revenues and expenses are prorated equally each month of the fiscal year, whereas actual revenues and expenses reflect those realized as of the date of the report. This may lead to notable reported discrepancies between budgeted and actual amounts.
- Differences in the coding between the budgeted and actual revenues and expenses may result in notable reported discrepancies within the report.
- Additional non income Statement Transactions reflect amounts from WPWMA's Balance Sheet and are shown on this report for tracking and informational purposes only.

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: WPWMA BOARD OF DIRECTORS DATE: NOVEMBER 9, 2023
FROM: KEN GREHM / WILL SCHEFFLER *WS*
SUBJECT: MRF OPERATOR REPORT

RECOMMENDED ACTION:

None. This report is for information purposes only.

BACKGROUND:

The following report was drafted independently by FCC Environmental Services California, LLC (FCC) and was submitted to WPWMA on October 18, 2023. The attached report is presented to your Board as it was received by WPWMA staff. As such, subjective statements in the report are those of FCC and do not necessarily represent the opinions of staff. Staff has reviewed factual statements provided by FCC and believes those statements are generally accurate based on information available to WPWMA.



MATERIALS RECOVERY FACILITY
QUARTERLY OPERATIONS REPORT
ENDING September 30, 2023

FCC ENVIRONMENTAL SERVICES CALIFORNIA, LLC
3033 FIDDYMENT ROAD
ROSEVILLE, CA 95747
(916) 234-5307

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OPERATIONS REPORT
Material Recovery Facility Operation
Quarter Ending September 30, 2023

Executive Summary

The MRF exceeded the guaranteed minimum recycling level for the quarter. Compost operations were streamlined, optimizing processing capacity despite limited pad space due to ongoing construction. FCC continued to improve runtime efficiencies and recovery rates during the quarter. FCC continued to improve in both the MRF and C&D recovery rates respectively.

FCC continued to operate the C&D facility at 60 hours per week operating on a (6) 10-hour schedule. FCC remained committed to improving its efficiency and processing capacity while continually improving operations. With the additional processing hours, we were able to divert less material directly to the landfill while processing more inbound tonnage.

The MRF experienced a significant downtime event, impacting operation of the facility intermittently for approximately a day and half and completely shut down on a Friday on August 18th. Immediate action was taken to address the issue, flying in support from Machinex, the original equipment manufacturer from Canada to assist in troubleshooting necessary repairs. FCC's team worked around the clock to get the MRF back in action without losing significant processing capacity; we were able to get the MRF back in operation on Monday August 21st. FCC began the process of upgrading the baling capacity of the facility early to assist in preparing for baling commodities during the operation of processing MSW in the new C&D facility. FCC modified operations to continue to bale the same amount of material with two balers. FCC started decommissioning the New American Baler in preparation for the arrival and installation of the new Harris Baler set to begin October 2023.

FCC has continued expanding its customer base for the finished compost product, selling 7,939.58 tons during the second quarter. Operational modifications have been made to increase processing capacity and reduce environmental impact. FCC is continuing to work closely with WPWMA, the TAG, and jurisdictions to help meet target requirements for SB 1383 procurement.

The Public Receiving Area, HHW, and Buyback Facility continue to deliver quality customer service to the public. Collaborations with Carpet Area Recovery Effort (CARE) for Carpet Recycling & Bye Bye Mattress Recycling programs continue to function well as we strive to continually improve operations. Efforts to continually enhance the customer experience and streamline processes remains a central focus at the facility.

Processed Tonnage & Recovery Level

In terms of processed tonnage and recovery levels, the MRF exceeded creditable recovery targets of 23.00%, processing a total of 113,033.30 tons overall. This includes 60,633.22 tons of Municipal Solid Waste (MSW), 13,573.27 tons of source separated green waste, 2,485.56 tons of source separated wood waste, 787.42 tons of source separated food waste compost, 3,029.48 tons of source separated soil, and 32,489.21 tons of Construction & Demolition (C&D) waste which includes concrete inert tonnage. 35.14 tons of material were collected from roads and fields as roadside trash surrounding the facility. The C&D facility achieved a creditable recovery of 41.71% for the quarter.

Staffing

Staffing for the period averaged 239 full time equivalent employees. The permanent, full-time staff averages, and the contract service employees averaged:

Description	Head Count
Total Full Time Equivalent (FTE)	239
FTE FCC	99
FTE Contract	140
Department	Percentage of Head Count
Tipping Floor	6.28%
Sort Line/Screeners	28.87%
Finished Product	2.93%
Buy back Center	2.09%
Composting	5.02%
C&D	15.90%
Haz-Mat	2.51%
Maintenance	14.23%
Clean Up	7.53%
House & Yard	2.51%
Administration	4.60%
Transportation	5.86%
Public Receiving	1.67%

Training

Training for the period consisted of 29 trainings for employees. The details of the trainings are listed below:

Name of Training	Number of Employees
Defensive Driving	45
Storm Water Management	69
Spill Prevention	63
Litter Control	69
Confined Space	67
LOTO	19
Mounting/Dismounting	11
Pre/Post Trip Inspection (DVIR/DEI)	9
Smoking/Signage	11
Stretching (Ergonomics)	65
Modifying Equipment	79
Prohibited Material Management	79
Safe Lifting techniques	79
Construction Safety	13
Rules to Live By	25
Flagger Safety	16
Heat	11
New Hire	3
Roll Off	5
Employee Rights under OSHA	66
Unauthorized Waste	69
Back to school safety & Safety Signage	59
Hazardous Energy Isolation	51
Emergency Response Training	38
Managing E-waste	112
Fall Prevention	8
Forklift Training & Certification	6
Gas Welding Cutting Safety	1

Subcontractors

FCC utilized five subcontractors throughout the quarter. Their information and services provided are below:

Name of Company	DIR Number	Service Provided
ABC Plumbing	1000012599	Repairs to restrooms within the facility

FCC Environmental Services California, LLC
3033 Fiddymnt Rd Roseville, CA 95747

ACT Enviro	1000025406	Pumping out sediment and trash in the storm drains on-site
Ancon Marine	1000620944	Pumping out oil, grease, water and trash from the MRF Pits
Brower Mechanical	1000857355	Install new HVAC Units on admin building
Cisco Air System	1000016706	Repairs air compressors in MRF & Rolling Shop
Johnson Controls	1000000576	Repairs made to the sprinkler system in the MRF
Ramos Environmental	1000024411	Pumping out sediment and oily water from interceptor tanks
Titus MRF Services	1000089549	C&D and MRF Repairs

Special Occurrences

A brief summary of the special occurrences that occurred during the quarter are summarized below; a detailed description of each occurrence can be found in WPWMA's Special Occurrence Log.

- 7/5/2023; commercial hauler hot Load; no injuries
- 7/6/2023; baler oil spill; no injuries
- 7/11/2023; customer's vehicle scraped by loader bucket; no Injuries; damaged vehicle paint
- 7/18/2023; small battery fire; no Injuries
- 7/18/2023; customer's vehicle damaged by loader; no injuries; damaged vehicle struts
- 7/21/2023; vehicle window broken; no injuries; broken window
- 7/26/2023; fire alarm; no injuries; broken sprinkler head
- 7/26/2023; truck damaged MRF door frame; no Injuries; damaged door frame
- 7/29/2023; fire alarm; no injuries; damaged water pipe
- 7/31/2023; baler oil leak; no injuries; damaged hose
- 7/31/2023; subsurface fire; no injuries; damaged hose
- 8/3/2023; fire alarm; no injuries; broken sprinkler head
- 8/4/2023; cell phone fire; no injuries; no damage
- 8/9/2023; fire alarm; no injuries; broken sprinkler head
- 8/9/2023; water pump fire; no injuries; pump lost
- 8/15/2023; fireworks fire; no injuries; no damage
- 8/16/2023; vehicle hit light pole; no injuries; broken light pole and fence damage
- 8/16/2023; employee heat exhaustion; no injuries; no damage
- 9/6/2023; fire alarm; no injuries; broken sprinkler head
- 9/6/2023; hot load; no injuries; no damage

- 9/7/2023; damaged water line; no injuries; damaged PVC pipe
- 9/7/2023; fire; no injuries; damaged insulation in engine of loader
- 9/8/2023; commercial vehicle rear door came off and dislocated employee's shoulder; employee transported to clinic
- 9/10/2023; commercial vehicle struck doorway in baling; no injuries; damage to concrete doorway
- 9/19/2023; fire alarm; no injuries; no damage
- 9/19/2023; debris fell out of vehicle; no injuries; damaged camera and gutter of scale house

Placer County LEA Inspections & Reports

During the LEA on-site Inspection on July 25, 2023, the MRF, compost and public area were all inspected and reviewed. There were no Violations and/or Areas of concern noted.

During the LEA on-site Inspection on August 21, 2023, the MRF, compost and public area were all inspected and reviewed. There were no Violations and/or Areas of concern noted.

During the LEA on-site Inspection on September 12, 2023, the MRF, compost and public area were all inspected and reviewed. There were no New Violations and/or Areas of concern noted.

Household Hazardous Waste Program

FCC's household hazardous waste program continues to receive inbound HHW material. All HHW personnel have been trained in the proper handling and care of hazardous materials and are working closely with our vendors to ensure all materials are transported properly. FCC is partnering with ACT Enviro to take all hazardous waste collected through the 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. Quantities of the material types are listed below:

Quarterly Totals	Amount
Customer Count	5,514
Liquid Waste Processed (gallons)	65,311
Recycled Lead Acid Batteries (lbs.)	23,356
Recycled Household Batteries (lbs.)	45,381

SB1383

Beginning the week of September 11th FCC conducted the quarterly sampling to meet the SB1383 requirements set forth by CalRecycle. Over the two-week period (10 working days) FCC leadership coordinated the sampling of inbound materials and all outbound streams. Per CalRecycle's and SCS Engineering's guidance FCC performed the following sampling methodology:

Specific material samples with average weight of 200 lbs. (+/- 10lbs) were pulled from various material streams from within the MRF:

- A. Municipal Solid Waste (MSW) –This material was randomly taken from different spots on the tipping floor in order to obtain representative samples of MSW.
- B. Residue going to landfill – Per the methodology developed by SCS with the guidance of CalRecycle processed material coming out of the facility for destined landfilling
- C. Alternative Daily Cover (ADC) Material – FCC pulled samples for this material and audit it using the same procedure as the residue.
- D. Wood – wood being recovered from inside the MRF that is sent to the composting facility was sampled.
- E. Mixed Organic (MO) cardboard – Material from this stream is cardboard that is recovered from the sort line in the MRF. The MO cardboard is then mixed with the SSO cardboard for baling.
- F. Source Separated Organics (SSO) cardboard – Material from this stream is cardboard that has been separated at the pickup site. The SSO cardboard is then mixed with the MO cardboard for baling.
- G. Baled Cardboard Sample – Cal Recycle per the approved Alternative Measurement Protocol (AMP) requested that FCC provide them with a composition ratio for the cardboard bales. After numerous discussions with CalRecycle, SCS, and FCC it was agreed that the only feasible way to do this was to break a cardboard bale and separate the material between MO and SSO as best as possible.

The material was gathered and transported to the HHW area near the MRF. At the HHW site we had a floor scale that was used to weigh the material for auditing. Material was brought in a two-yard bin for which we had a tare weight that was subtracted from the total shown on the scale display.

Once the sample size was an average of 200 lbs. it was either tipped on the floor or a table (depending on the material type) and sorted per the protocol established by SCS and FCC. The material was sorted into large 50-gallon plastic trash cans that had previously been weighed empty to provide for a tare weight of the container. Once all material was separated, it was then weighed again in the same floor scale that was used to weigh the incoming material. The weights were then recorded, and material was taken back to its respective processing area.

A comprehensive report and breakdown of all findings from this audit process is being compiled by SCS Engineering Services and is available upon request.

The next scheduled SB1383 material audit is scheduled for December 2023. The comprehensive Sampling Report is Attached for more detail.

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: WPWMA BOARD OF DIRECTORS DATE: NOVEMBER 9, 2023
FROM: KEN GREHM / WILL SCHEFFLER *WS*
SUBJECT: LANDFILL OPERATOR REPORT

RECOMMENDED ACTION:

None. This report is for information purposes only.

BACKGROUND:

The following report was drafted independently by FCC Environmental Services California, LLC (FCC) and was submitted to WPWMA on November 1, 2023. The attached report is presented to your Board as it was received by WPWMA staff. As such, subjective statements in the report are those of FCC and do not necessarily represent the opinions of staff. Staff has reviewed factual statements provided by FCC and believes those statements are generally accurate based on information available to WPWMA.



Western Regional Sanitary Landfill

QUARTERLY OPERATIONS REPORT
Ending October 10, 2023



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Executive Summary

FCC Environmental Services California, LLC (FCC) continued operations within the agreement between FCC and WPWMA during the quarter. FCC was able to continue their procurement efforts by adding a new GPS compaction equipment to our newest fleet assets to assist in our compaction efficiency. Staffing throughout the quarter was consistent with the previous. The FCC safety team continued to assist the operation during the quarter.

Accepted Tonnage

The Western Regional Sanitary Landfill accepted a total of 80,387 of disposed tons of waste from July 1st, 2023 – October 10th, 2023. FCC used new equipment purchased in the previous quarter to compact the accepted waste.

2022 Quarter 3	Buried tons
July 1st, 2023 - October 10th, 2023	80,387

Operation Activities

During the quarter FCC continued filling within the Western Placer Waste Management Authority (WPWMA) provided filling sequences. The filling sequences required the placement of waste in modules 5, 14, 15, and 16. FCC finished the construction of the 2023-2024 all-weather access pad and began winterization preparations for the landfill during the quarter.

Staffing

During the 3rd quarter of the operation of the Western Regional Sanitary Landfill (WRSL), FCC employed six full time heavy equipment operators and one spotter. All six of the operators were employed by FCC Environmental Services California LLC, with the spotter being employed by Lead Point. Table below for review.

Department	Position	Head Count
Landfill	Sr. Operations Manager	1
Landfill	Landfill Foremen	1
Landfill	Heavy Equipment Operators	5
Lead Point	Spotter	1

Training

During the quarter there were fourteen different trainings conducted for the landfill staff. See table below.

Department	Training	Head Count	Month
Landfill	Storm Water & Spill Prevention	6	July
Landfill	OSHA Permit Required Confined Space	6	July
Landfill	Defensive Driving	6	July
Landfill	Litter Control at Facilities & Vehicles	6	July
Landfill	Back to School Safety	6	August
Landfill	Employee Rights	6	August
Landfill	Safety Signage	6	August
Landfill	FCC LOTO	6	August
Landfill	Stretching & Ergonomics	6	August
Landfill	Unauthorized Waste	6	August
Landfill	Managing E-Waste	6	August
Landfill	Modifying Equipment	6	September
Landfill	Plan Prepare Execute	6	September
Landfill	Back Safety Proper Lifting	6	September

Subcontractors

FCC did not utilize any sub-contractors during the quarter.

Special Occurrences

There were two special occurrences at the landfill during the quarter. The first was a subsurface fire in the landfill located in module 16. FCC was able to assist WPWMA & SCS staff with applying more cover soil to suffocate the fire from getting worse. The second occurrence was a small smoke event at the landfill's active face in module 5, the smoke event was quickly extinguished using water and fire extinguishers.

Placer County LEA Inspections

There were three random inspections during the quarter by the Local Enforcement Agency (LEA). During those inspections, the LEA did not issue any violations or areas of concern that relate to FCC.

Closing

In closing, FCC orchestrated another successful quarter at the WRSL. FCC will continuously seek new methods of waste placement to ensure all contractual goals are achieved.

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

Sincerely,



Brandon Stevens
FCC Environmental Services California LLC

Cc:

Byron Hildenbrand, FCC Environmental Services California LLC

Dan Brazil, FCC Environmental Services

Charles Merkley, FCC Environmental Services

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: WPWMA BOARD OF DIRECTORS DATE: NOVEMBER 9, 2023
FROM: KEN GREHM / WILL SCHEFFLER *WS*
SUBJECT: MRF IMPROVEMENTS PROJECT UPDATE

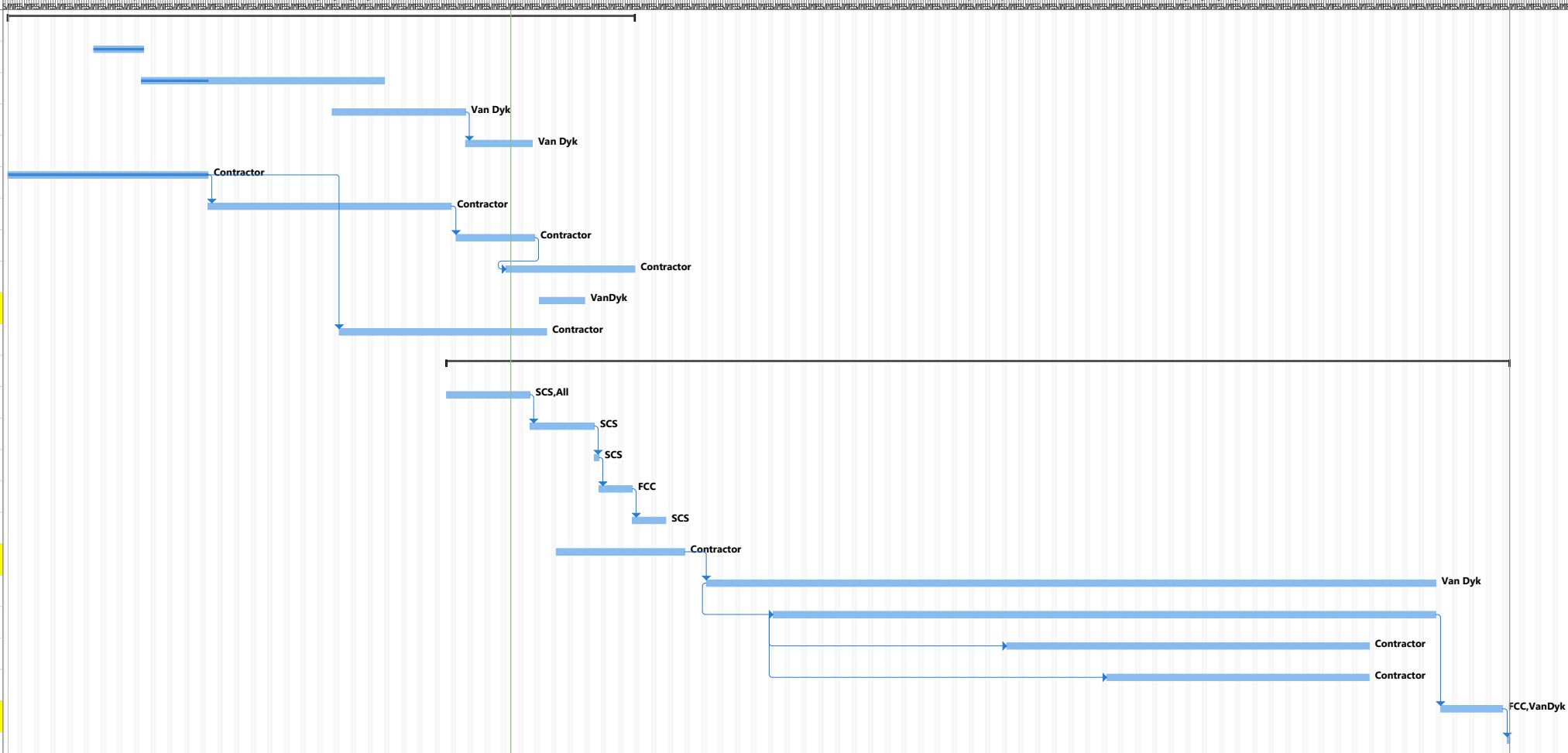
RECOMMENDED ACTION:

None. This report is for information purposes only.

BACKGROUND:

The following information was prepared independently by FCC Environmental Services California, LLC (FCC) and was submitted to the WPWMA on November 1, 2023. The attached is presented to your Board as it was received by WPWMA staff. As such, subjective statements are those of FCC and do not necessarily represent the opinions of WPWMA staff.

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		C&D Improvements	189 days	Tue 4/4/23	Fri 12/22/23		
2		Sawcut and remove existing concrete	15 days	Wed 5/10/23	Tue 5/30/23		
3		Subgrade Prep/Curing/Slab for Van Dyk	74 days	Tue 5/30/23	Fri 9/8/23		
4		Van Dyk Equipment Mechanical Installation	40 days	Fri 8/18/23	Thu 10/12/23		Van Dyk
5		Van Dyk Equipment - Electrical and Automation Installation	20 days	Fri 10/13/23	Thu 11/9/23	4	Van Dyk
6		PEMB - Canopy Submittals/Shop Drawings & Review Comments	60 days	Tue 4/4/23	Mon 6/26/23		Contractor
7		PEMB - Canopy Fabrication & Delivery	74 days	Tue 6/27/23	Fri 10/6/23	6	Contractor
8		PEMB - Canopy Installation	25 days	Mon 10/9/23	Fri 11/10/23	7	Contractor
9		PEMB - Electrical	40 days	Mon 10/30/23	Fri 12/22/23	8FS-10 days	Contractor
10		VanDyk C&D Equipment Testing	15 days	Mon 11/13/23	Fri 12/1/23		VanDyk
11		Compressor Building	63 days	Mon 8/21/23	Wed 11/15/23	6FS+14 days	Contractor
12		MRF RETROFIT CONSTRUCTION	318 days	Thu 10/5/23	Mon 12/23/24		
13		Prepare Bid Package 9/15/2023	25 days	Thu 10/5/23	Wed 11/8/23		SCS,All
14		Bid Advertisement	19 days	Thu 11/9/23	Tue 12/5/23	13	SCS
15		Evaluate Bid/FCC Recommendation	2 days	Wed 12/6/23	Thu 12/7/23	14	SCS
16		FCC - Contracting	10 days	Fri 12/8/23	Thu 12/21/23	15	FCC
17		FCC - Issue Notice to Proceed to Contractor	10 days	Fri 12/22/23	Thu 1/4/24	16	SCS
18		Existing Equipment Removal	40 days	Mon 11/20/23	Fri 1/12/24		Contractor
19		MRF Retrofit - Contractor	220 days	Mon 1/22/24	Fri 11/22/24	18	Van Dyk
20		MRF Retrofit - Van Dyk	200 days	Mon 2/19/24	Fri 11/22/24	19SS+20 days	
21		Electrical Improvements	110 days	Mon 5/27/24	Fri 10/25/24	20SS+70 days	Contractor
22		Seismic Anchors	80 days	Mon 7/8/24	Fri 10/25/24	20SS+100 days	Contractor
23		VanDyk MRF Equipment Testing & Commissioning	20 days	Mon 11/25/24	Fri 12/20/24	20	FCC, VanDyk
24		MRF Start-up	1 day	Mon 12/23/24	Mon 12/23/24	23	



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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **NOVEMBER 9, 2023**
FROM: **KEN GREHM / WILL SCHEFFLER** *WS*
SUBJECT: **WPWMA OPERATIONS AND ENGINEERING REPORT**

RECOMMENDED ACTION:

None. This report is for information purposes only.

BACKGROUND:

This report focuses on issues specific to ongoing operations of the WPWMA Materials Recovery Facility (MRF) and Western Regional Sanitary Landfill (WRSL).

Odors

The following table provides a summary of odor notifications received by the WPWMA since March 2023 that were determined by staff to be associated in whole or in part with the WPWMA’s operations. For purposes of comparison, the same time period for the previous two years is also presented.

Month	2023	2022	2021
March	1	1	7
April	2	0	3
May	3	0	3
June	0	6	1
July	0	0	3
August	2	1	4
September	3	0	4
Total	11	8	25

Staff believe that the continued implementation of the WPWMA’s Site Wide Odor Plan, along with the diligence of the WPWMA’s onsite contractors and consultants, is proving effective in reducing the frequency and severity of facility odors perceived and reported by nearby residents. Additionally, the 13th Annual Odor Workshop was held on November 2, 2023. While the 2020 – 2022 workshops were held virtually due to the COVID-19 pandemic, this year’s Odor Workshop resumed in-person attendance. This year’s workshop drew 19 attendees, including Chair Allard and a representative from the Placer County Air Pollution Control District. As in 2019, the workshop included a facility tour providing enhanced community engagement and familiarization with the WPWMA’s operations.

Landfill Subsurface Fire

On the morning of July 31, 2023, the WPWMA’s landfill gas consultant (SCS) discovered evidence of a small subsurface fire near the southern slope of Module 16. WPWMA operations staff immediately coordinated repair and remediation efforts with SCS and FCC staff who deactivated five landfill gas (LFG) extraction wells within a

500-foot radius of the suspected subsurface fire and capped the area with additional compacted soil. Additionally, staff immediately notified the Local Enforcement Agency Central Valley Regional Water Quality Control Board, and Placer County Air Pollution Control District and have since provided each with weekly updates. There were no signs of further surface subsidence or smoke noted during subsequent daily monitoring of the area, and tri-weekly gas monitoring of the surrounding LFG wells and perimeter monitoring probes yielded consistent positive trends in August and September, indicating that the subsurface fire had likely been extinguished. In October, SCS cautiously returned vacuum to the deactivated LFG extraction wells incrementally while observing for any signs of fire. As of November 1, four of the five LFG wells have been returned to full vacuum while the closest LFG well is at partial vacuum due to a slight increase in carbon monoxide concentrations. While this is likely trapped carbon monoxide from the fire before it was extinguished, SCS is investigating further before proceeding with increasing vacuum to this location.

New Construction

C&D – Construction of the new Construction and Demolition (C&D) facility has progressed with the completion of installation of the new processing equipment on October 13, 2023. Installation of the C&D building canopy began on October 9, 2023 and is scheduled to be completed by the end of November. FCC anticipates commissioning of the new C&D facility by mid-November.

MRF – FCC provided WPWMA with the MRF plans on August 9, 2023, and to Placer County for permitting approval in September. Equipment for the new MRF began to arrive onsite on September 4, 2023, with 44 containers received as of November 1st.

Module 6 Construction

Subsequent to your Board's approval in May 2023 to award the Module 6 liner construction contract, Anderson Dragline commenced earthwork on June 19, 2023 and liner installation began the week of October 30th. Installation of all liner layers, LCRS components, and operations layer are scheduled to be completed by February 1, 2024. The WRSL had approximately 1.2 million cubic yards of capacity remaining as of July 1, 2023, which does not include additional smaller fill areas remaining in Modules 12 through 15. Based on FCC's landfill operations to date and daily projected tonnages, including a 30% contingency applied to all tonnages, this capacity is projected to accommodate landfill operations through May 2025.

West Property Permitting RFP

In May 2023 your Board authorized staff to solicit proposals from qualified firms for design and permitting services for future landfill operations on the WPWMA's western property. The WPWMA released an RFP on July 21 and received proposals from 4 firms which were evaluated by a review panel consisting of WPWMA and Member Agency staff. Of those firms, 3 were invited to interview with the review panel. Staff anticipate returning to your Board with a recommendation to enter into an agreement with the selected firm at your December meeting.

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: WPWMA BOARD OF DIRECTORS **DATE: NOVEMBER 9, 2023**
FROM: KEN GREHM / WILL SCHEFFLER *WS*
SUBJECT: LANDFILL GAS PRESENTATION

RECOMMENDED ACTION:

None. This report is for information purposes only.

BACKGROUND:

In follow-up to your Board's request for additional information for familiarization with the Western Regional Sanitary Landfill's landfill gas control system, staff have prepared the following presentation for your Board.



WPWMA

EST. 1978

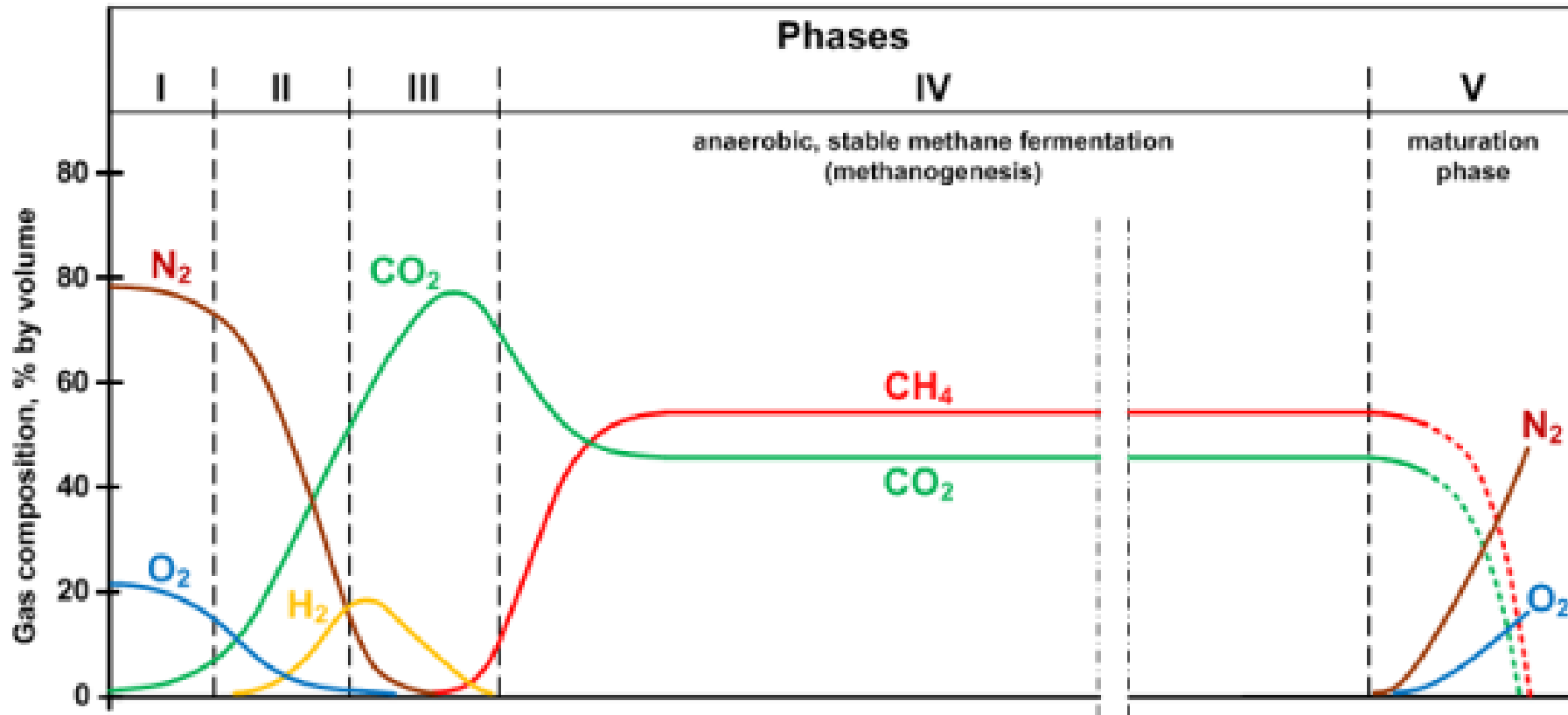
Landfill Anatomy and Landfill Gas Overview

Table of Contents

- 1) What is Landfill Gas (LFG)?
- 2) Regulatory Requirements
- 3) Site Wide Odor Plan (SWOP) BMPs
- 4) Landfill Liner Construction
- 5) LFG and Leachate Collection System
- 6) LFG Extraction Wells and Well Placement
- 7) LFG to Energy and Blower Flare Station
- 8) Subsurface Oxidation Events
- 9) Changing Regulations



Landfill Gas



SWOP Best Management Practices (BMPs)

Primary sources of odors associated with the landfill are the receipt and active disposal of waste and LFG related odors.

Landfilling BMPs:

- Minimize the size of the active landfill working face (< 1 acre)
- Immediate burial of odorous loads (sludge) and covering with less odorous waste.
- Place daily cover immediately after the last load of the day.

LFG BMPs:

- LFG components must be under vacuum at all times.
- Minimum weekly tuning of the wellfield for optimal LFG capture and extraction.
- 24/7, 365 days-a-year on-call technicians to troubleshoot or restart LFG infrastructure.



Regulatory Requirements

Local Enforcement Agency (LEA)/CalRecycle

- Methane concentrations must be less than 5% at landfill property boundaries.

Air Pollution Control District (PCAPCD)

- Quarterly Surface Emission Monitoring must be less than 25 ppm for methane.
- Landfill gas components must be under vacuum at all times.

Regional Water Quality Control Board (CVRWQCB)

- Continuous groundwater and surface water monitoring to determine LFG impacts

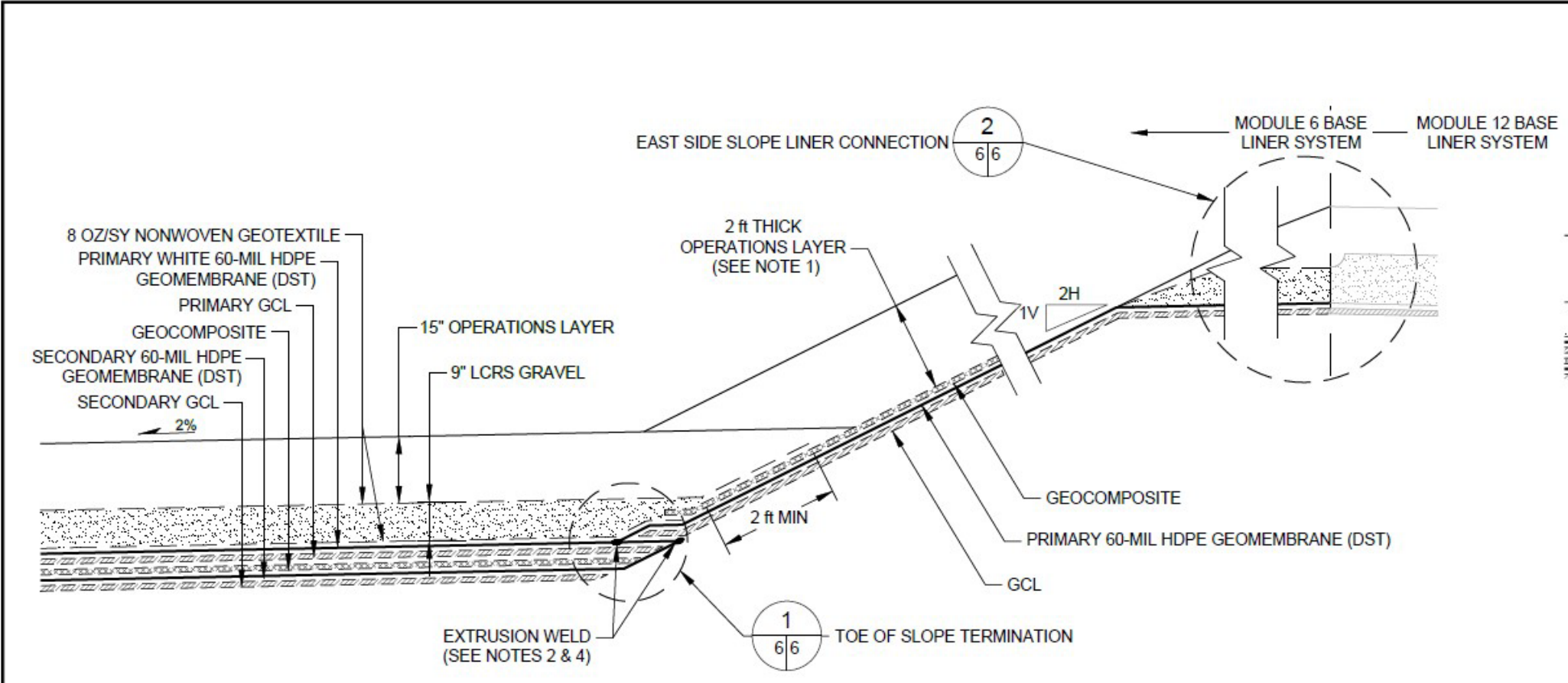


Safety Considerations:

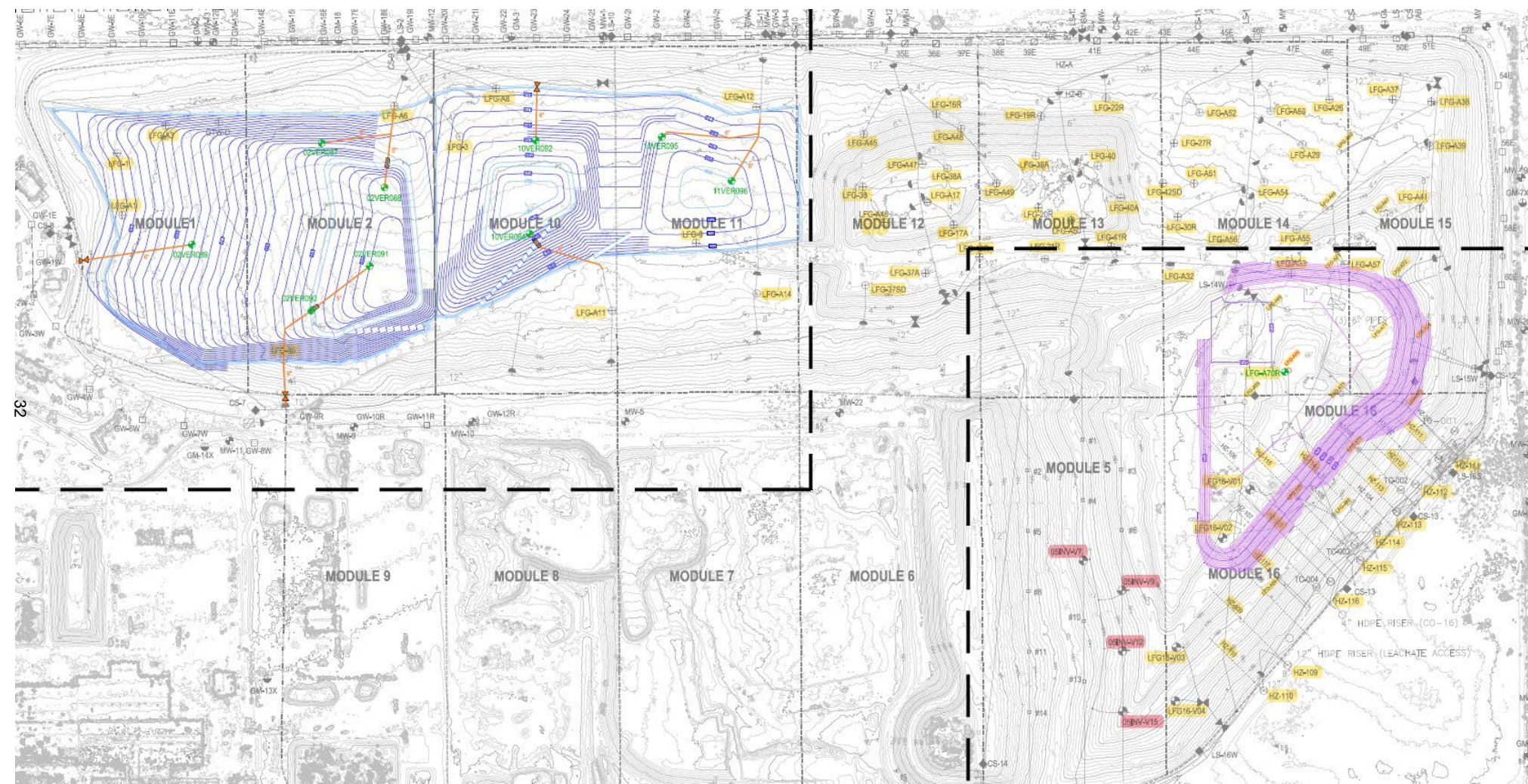
- Methane
- Hydrogen Sulfide



Landfill Liner Construction



Landfill Gas and Leachate Collection System

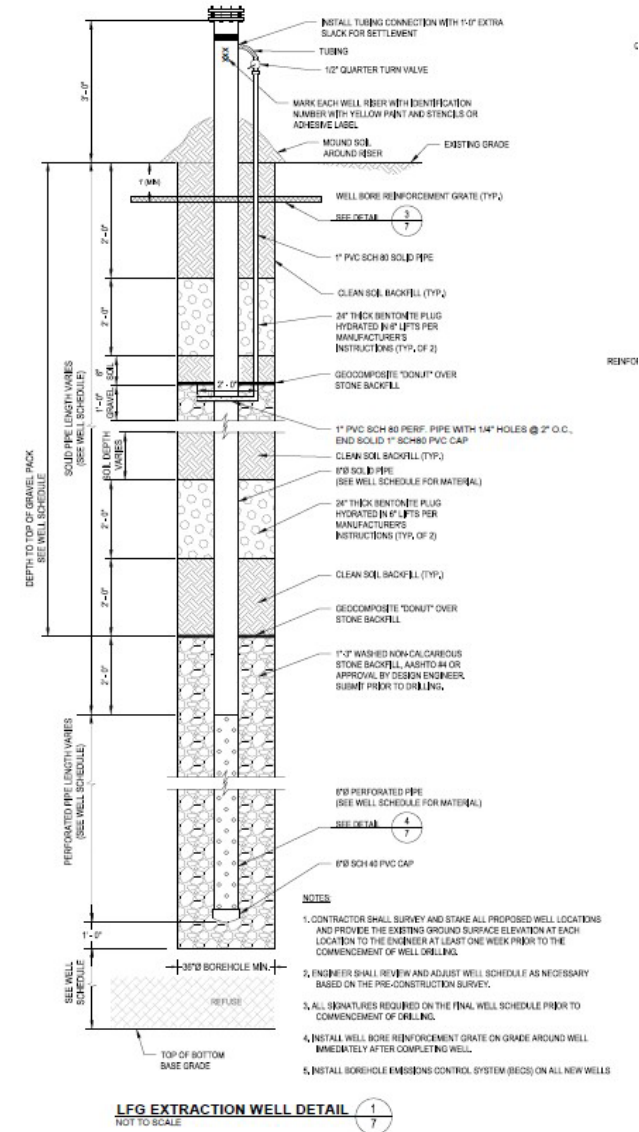


- Total of:**
- 161 LFG Extraction Wells
 - 11 Dual Extraction Wells
 - 10 Horizontal Extraction Wells
 - 10 Condensate Sumps
 - 9 Leachate Risers



Vertical Landfill Gas Extraction Well

- 36-inch diameter bore hole dug with a bucket rig
- 8-inch diameter perforated HDPE well casing inserted for extraction interval
- Annular space backfilled with gravel
- Well casing non-perforated at the top and remaining annular space sealed with bentonite or concrete

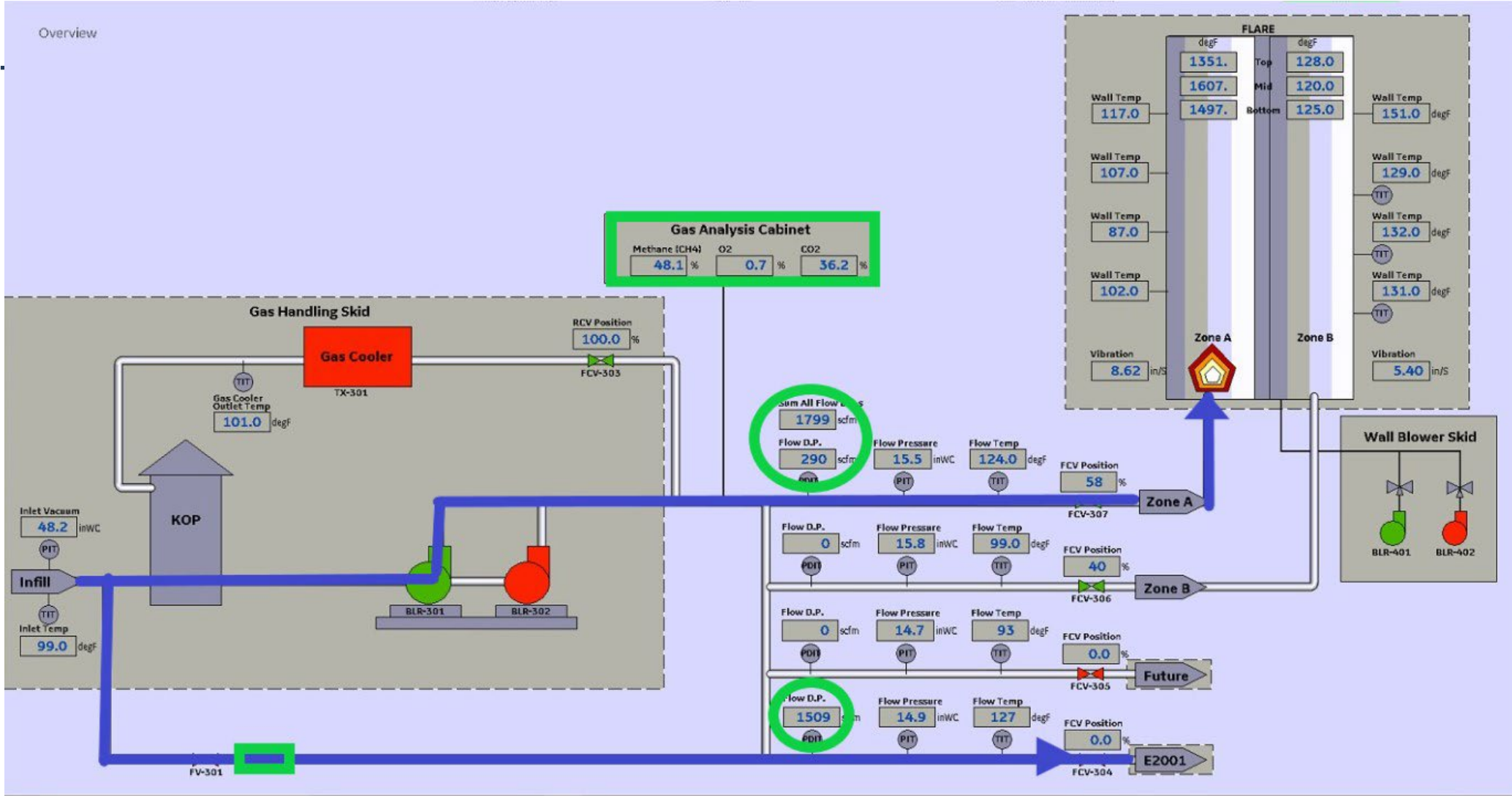


Horizontal Landfill Gas Extraction Well

- Trenched through waste
- Perforated HDPE pipe laid in the trench with gravel below and on top of this pipe



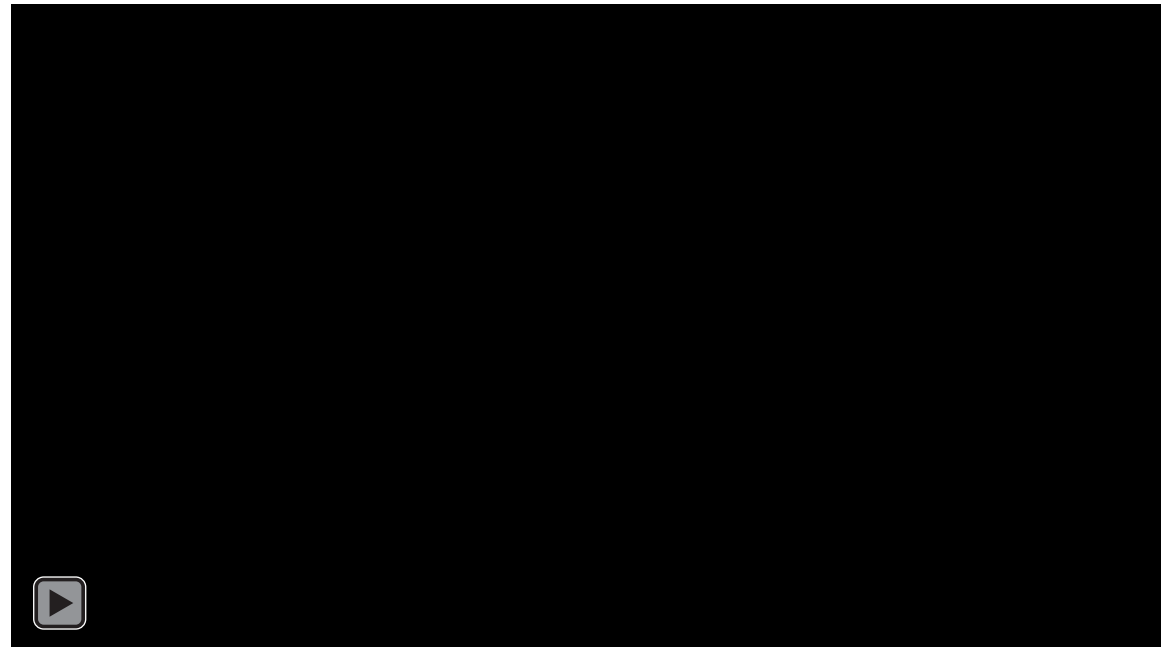
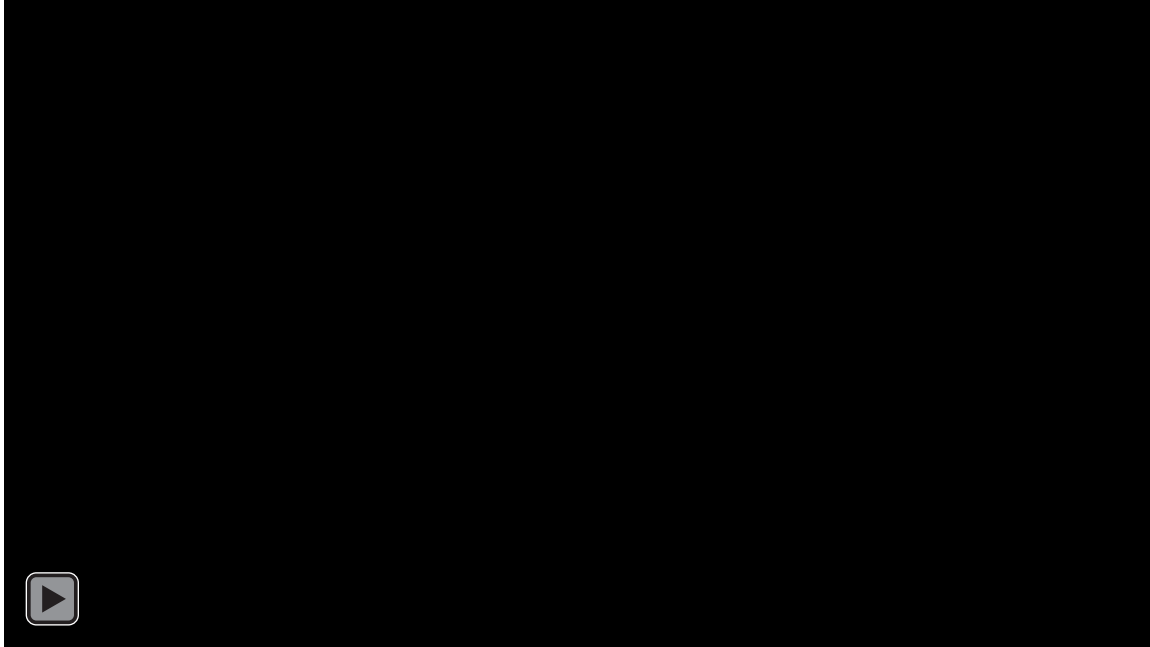
LFG to Energy & Blower Flare Station



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1st Subsurface Oxidation Event – 05/2016 – Module 10



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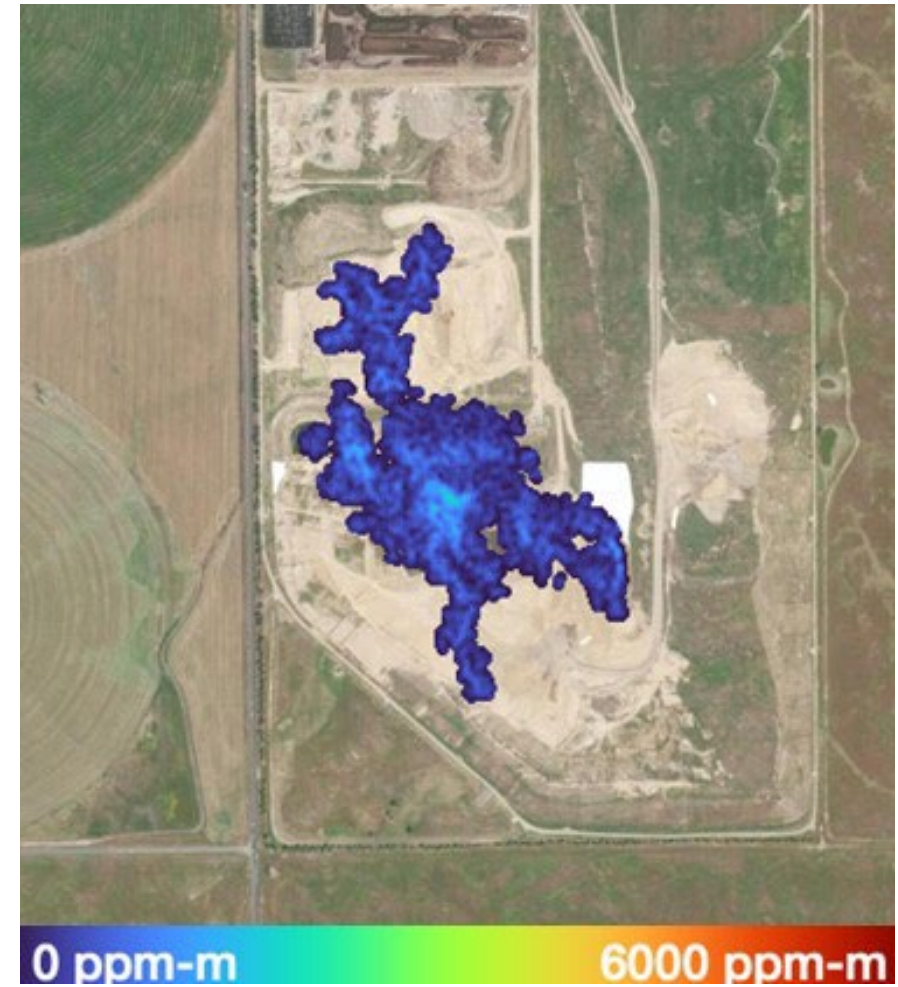


2nd Subsurface Oxidation Event – 07/2016 – Module 16



Changing Regulations

- CalRecycle
 - SB1383 will drastically reduce quantities of organic waste being landfilled. Quantified results are currently unknown, but will likely result in longer LFG generation curves on future waste disposed.
- California Air Resources Board (CARB):
 - May 18th CARB hosted the first stakeholder meeting for potential improvements to the Landfill Methane Regulation.
 - Increase in aerial landfill flyovers for fugitive methane detection and are in the process of procuring 2 satellites for same task.





WESTERN PLACER WASTE MANAGEMENT AUTHORITY

Minutes of October 12, 2023

Meetings of the Western Placer Waste Management Authority Board of Directors are held in the WPWMA Board Chambers at 3013 Fiddymment Road, Roseville, CA.

Directors Present:

Scott Alvord
Shanti Landon
Bonnie Gore
Bill Halldin
Dan Karleskint

Staff Present:

Ken Grehm
Eric Oddo
Robert Sandman
Emily Hoffman
Will Scheffler
Heather Wilden

1. Call Meeting to Order: Chairman Alvord called the meeting to order at 5:00 PM.
2. Pledge of Allegiance: Director Karleskint 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: None.
6. Announcements & Information
 - a. Reports from Directors: None.
 - b. Report from the Executive Director: None.
 - c. Financial Reports: Eric Oddo summarized the report. There were no questions from the Board.
 - d. Monthly Tonnage Reports: Eric Oddo summarized the report. There were no questions from the Board. A copy of the charts presented to the Board at the meeting is included as an attachment to these minutes.
 - e. MRF Improvements Project Update: Andrea Rodriguez of FCC Environmental Services summarized the report and answered questions from the Board.
7. Consent Agenda
 - a. Minutes of the Board Meeting held September 14, 2023

Staff recommended the Board approve the minutes as submitted.
 - b. Sole Source Agreement with Granicus for Email Newsletter Services

Staff recommended the Board:

 1. Authorize the Executive Director or designee, upon review and approval by WPWMA Counsel, to sign a sole source agreement with Granicus for email newsletter services for an amount not-to-exceed \$19,875.
 2. Determine that the recommended action is not a project pursuant to California Environmental Quality Act Guidelines Section 15378.

MOTION TO APPROVE: Gore/Halldin/Unanimous

8. Action Items

a. Sac State / Carlsen Center Work Order

Staff recommended the Board:

1. Authorize the Executive Director or designee, upon review and approval by WPWMA Counsel, to execute a work order with the Sac State / Carlsen Center for Innovation and Entrepreneurship to manage and facilitate a circular economy innovation competition and initiate potential research partners to site pilot projects on the WPWMA's campus on behalf of the WPWMA for an amount not to exceed \$50,000.
2. Determine that the recommended action is not a project pursuant to CEQA Guidelines Section 15378.

Emily Hoffman provided a summary of the report and answered questions from the Board. Cameron Law of CCIE approached the Board and expressed his appreciation for the investment and looks forward to working with the WPWMA.

MOTION TO APPROVE: Landon/Karleskint

ROLL CALL VOTE: AYES: Karleskint/Halldin/Gore/Landon/Alvord

b. Future WPWMA Organization

Staff recommended the Board:

1. Consider approval of a Memorandum of Understanding with Placer County to clarify their relationship with, and provide "Special Employees" to, the WPWMA.
2. Authorize the Executive Director to negotiate and enter into a consultant services agreement with Bob Murray and Associates for Executive Recruiter services in an amount not to exceed \$33,000 subject to concurrence by WPWMA Counsel.
3. Provide feedback on the preliminary General Manager position description and selection process.
4. Determine that the proposed actions are each exempt from environmental review pursuant to California Environmental Quality Act Guidelines Section 15320.

Ken Grehm summarized the comments submitted by each Member Agency's legal counsel. The Board noted that a description of Special Employee should be included in the MOU to clearly distinguish these employees from other County employees. There was additional discussion by the Board about potentially reducing the timeframe for HR actions, indemnification, costs to WPWMA, mandatory (Auditor & HR) and voluntary services (Procurement, IT) offered by the County to WPWMA. Ken informed the Board that the proposed MOU would not result in any additional direct costs to the Member Agencies and all costs would be borne by the WPWMA. The Board provided direction to staff on additional edits to the draft MOU and did not take any action.

Ken Grehm recommended Bob Murray and Associates to the Board for recruitment of the WPWMA General Manager. Gary Phillips representing

Bob Murray and Associates introduced himself and answered questions from the Board.

The Board provided feedback related to the draft General Manager job description related to grant writing and administration, economic growth and entrepreneurial vision, and governmental policy experience. The Board noted that it will be important to clearly identify the working relationship between the WPWMA and its facility operators.

MOTION TO APPROVE ITEMS 8b2 and 8b4: Karleskint/Gore

ROLL CALL VOTE: AYES: Karleskint/Halldin/Gore/Landon/Alvord

9. Timed Item

a. MRF Expansion Project/Subcontractor Substitution Hearing: Skutley Contracting Corporation

Staff recommended the Board:

1. Conduct a subcontractor substitution hearing regarding Skutley Contracting Corporation.
2. Render a decision regarding subcontractor substitution following the conclusion of the hearing listed in Action Item No. 1.
3. Determine that the proposed actions are each not a project pursuant to CEQA Guidelines Section 15378.

Robert Sandman provided introductory remarks for the hearing including summarizing possible options for the Board's consideration.

CHAIR OPENED THE PUBLIC HEARING AT 5:15 PM

Steve McCutcheon of Cook Brown, LLP, representing Skutley Contracting Corporation, provided testimony recommending the Board reject the subcontractor substitution by Cambridge Companies, Inc.

Jim Whittaker provided public comment advocating for Skutley Contracting Company.

Jennifer Dauer of Diepenbrock Elkin Dauer McCandless, LLP, representing Cambridge Companies, Inc., provided testimony in support of the subcontractor substitution by Cambridge.

Mr. McCutcheon was afforded time for rebuttal.

The Board deliberated and asked questions of both Mr. McCutcheon and Ms. Dauer.

CHAIR CLOSED THE PUBLIC HEARING AT 7:00 PM

At the Board's request, Robert Sandman provided a recommended motion that, based on the record of proceedings, the Board finds and determines that Cambridge Companies Inc was entitled to substitute Skutley Contracting Corporation and further that the Board independently adopts the findings and factual determination contained in the August 4, 2023 Hearing Officer's decision.

MOTION TO APPROVE: Halldin/Karleskint

ROLL CALL VOTE: AYES: Karleskint/Halldin/Gore/Landon **NOES:** Alvord
VOTE: 4 In Favor, 1 Opposed – Motion Passed

10. Upcoming Agenda Items: None.
11. Adjournment: Meeting was adjourned at 9:17 PM.

Respectfully Submitted,

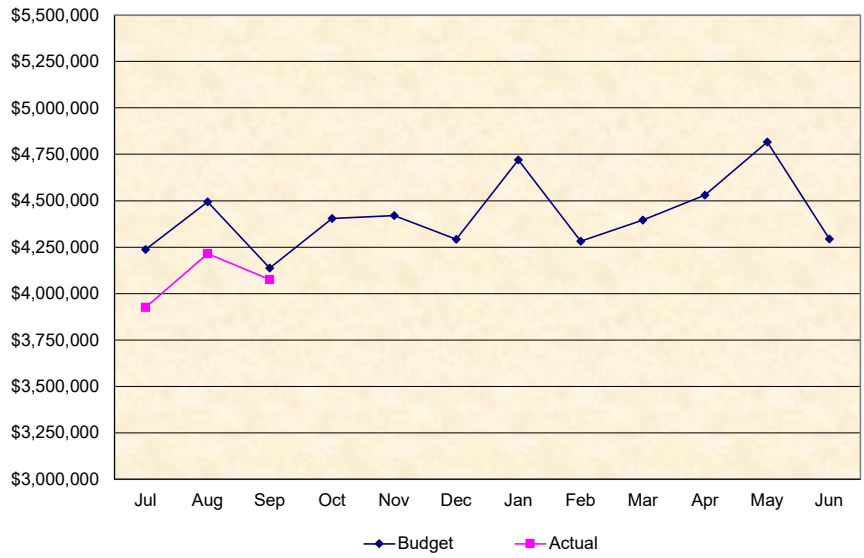


Heather Wilden, Clerk of the Board

Fiscal Year 2023-2024

Combined Revenue

Month	Budget	Actual	Variance
Jul	\$4,237,699	\$3,925,609	(\$312,090)
Aug	\$4,493,821	\$4,215,259	(\$278,562)
Sep	\$4,137,723	\$4,075,915	(\$61,808)
Oct	\$4,403,589		
Nov	\$4,419,546		
Dec	\$4,291,499		
Jan	\$4,719,101		
Feb	\$4,282,611		
Mar	\$4,396,492		
Apr	\$4,529,957		
May	\$4,816,424		
Jun	\$4,294,174		



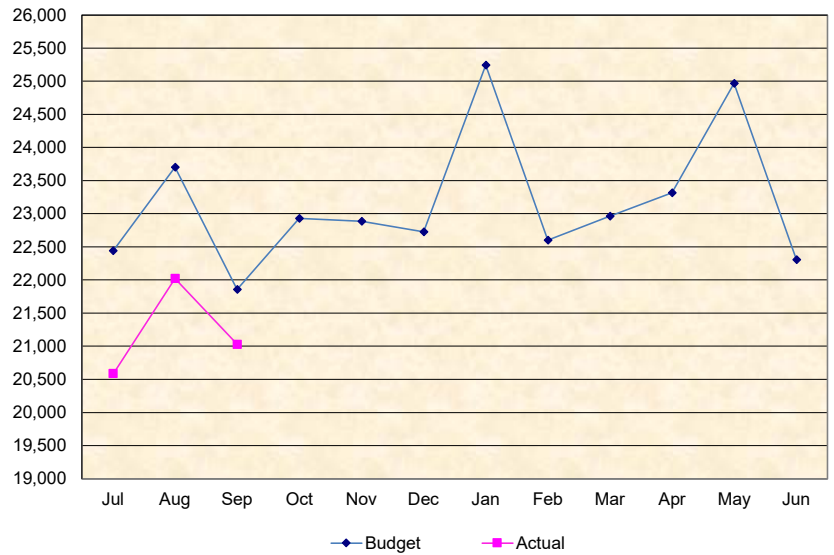
Totals: \$53,022,636 \$12,216,783 (\$652,460)

Combined Tipping Fee Revenue Year to Date

Budget	\$12,869,243
Actual:	\$12,216,783
Variance	(\$652,460)

MSW Tonnage

Month	Budget	Actual	Variance
Jul	22,444	20,585	(1,859)
Aug	23,703	22,022	(1,682)
Sep	21,859	21,026	(833)
Oct	22,931		
Nov	22,886		
Dec	22,728		
Jan	25,245		
Feb	22,599		
Mar	22,963		
Apr	23,316		
May	24,967		
Jun	22,307		



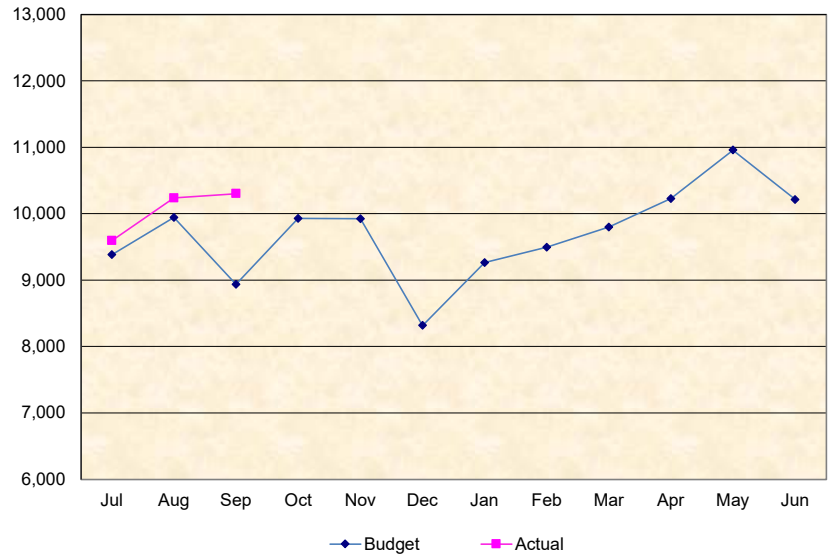
Totals: 277,949 63,633 (4,374)

MSW Tonnage Year to Date

Budget:	68,006
Actual:	63,633
Variance	(4,374)

C&D Tonnage

Month	Budget	Actual	Variance
Jul	9,384	9,597	213
Aug	9,943	10,238	295
Sep	8,934	10,303	1,369
Oct	9,929		
Nov	9,923		
Dec	8,317		
Jan	9,266		
Feb	9,495		
Mar	9,797		
Apr	10,225		
May	10,958		
Jun	10,213		
Totals:	116,384	30,138	1,876

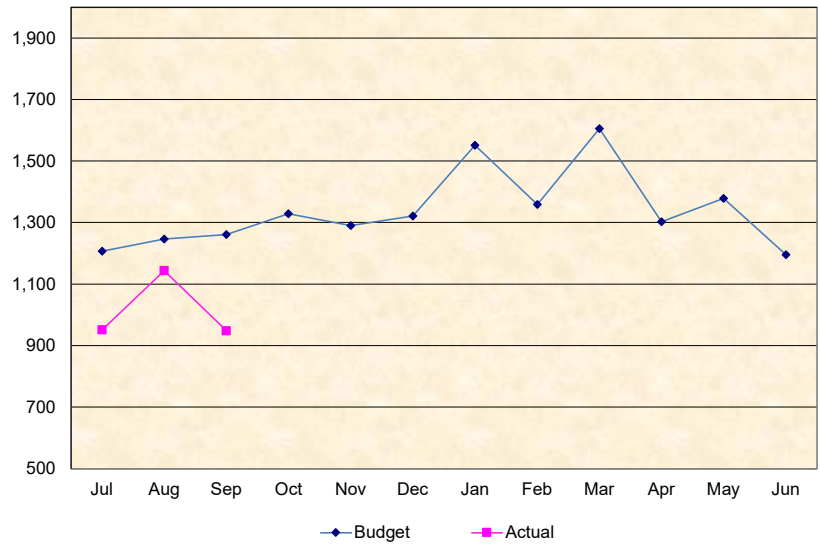


C&D Tonnage Year to Date

Budget:	28,262
Actual:	30,138
Variance	1,876

Sludge & Mixed Inerts Tonnage

Month	Budget	Actual	Variance
Jul	1,207	950	(256)
Aug	1,247	1,144	(103)
Sep	1,261	948	(314)
Oct	1,328		
Nov	1,290		
Dec	1,321		
Jan	1,551		
Feb	1,359		
Mar	1,606		
Apr	1,303		
May	1,379		
Jun	1,195		
Totals:	16,045	3,042	(673)

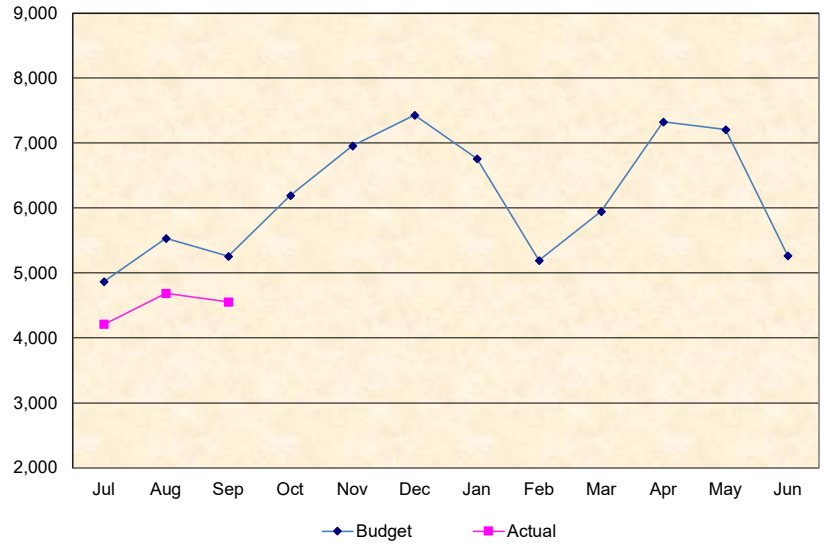


Sludge & Mixed Inerts Tonnage Year to Date

Budget:	3,714
Actual:	3,042
Variance	(673)

Green Waste Tonnage

Month	Budget	Actual	Variance
Jul	4,871	4,212	(659)
Aug	5,536	4,687	(849)
Sep	5,256	4,556	(701)
Oct	6,193		
Nov	6,959		
Dec	7,432		
Jan	6,758		
Feb	5,195		
Mar	5,950		
Apr	7,326		
May	7,209		
Jun	5,266		
Totals:	73,954	13,454	(2,210)

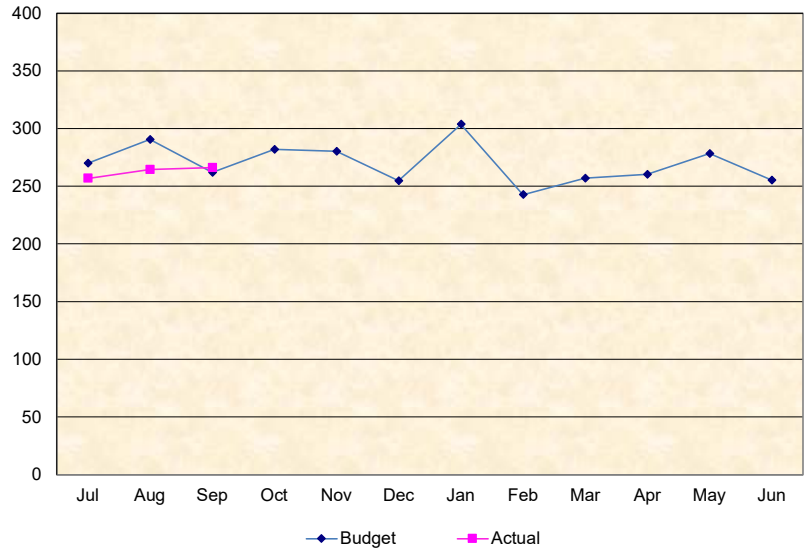


Green Waste Tonnage Year to Date

Budget:	15,664
Actual:	13,454
Variance	(2,210)

Food Waste Tonnage

Month	Budget	Actual	Variance
Jul	270	257	(13)
Aug	290	264	(26)
Sep	262	266	4
Oct	282		
Nov	280		
Dec	255		
Jan	304		
Feb	243		
Mar	257		
Apr	260		
May	278		
Jun	255		
Totals:	3,237	787	(35)

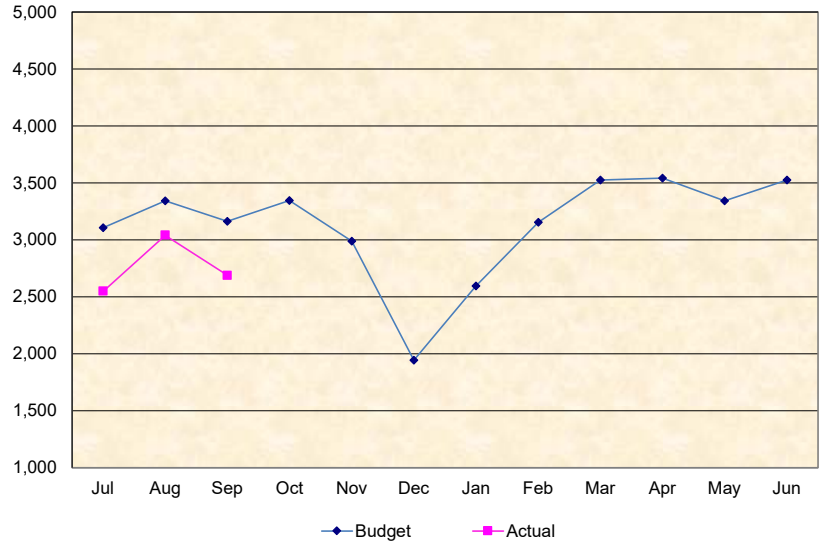


Food Waste Tonnage Year to Date

Budget:	823
Actual:	787
Variance	(35)

Inerts Tonnage

Month	Budget	Actual	Variance
Jul	3,105	2,549	(556)
Aug	3,341	3,041	(300)
Sep	3,163	2,689	(475)
Oct	3,346		
Nov	2,989		
Dec	1,943		
Jan	2,594		
Feb	3,155		
Mar	3,524		
Apr	3,543		
May	3,343		
Jun	3,525		
Totals:	37,572	8,279	(1,331)

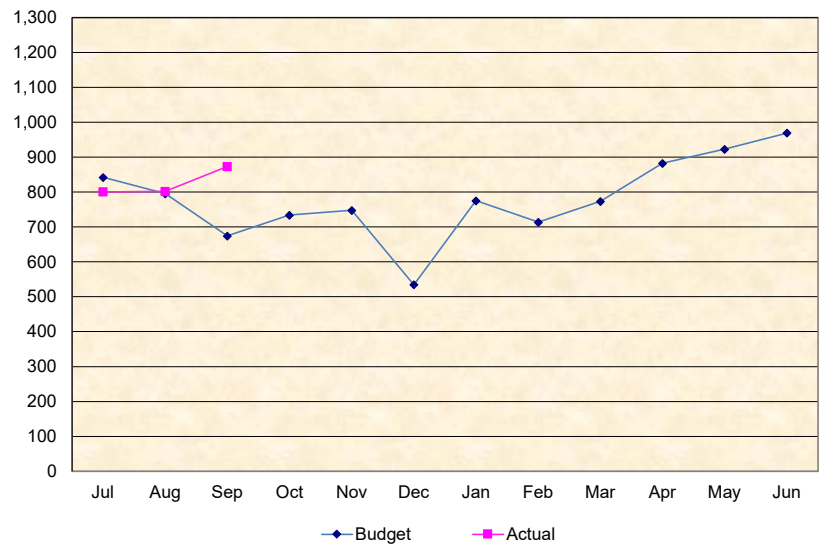


Inerts Tonnage Year to Date

Budget:	9,609
Actual:	8,279
Variance	(1,331)

Wood Tonnage

Month	Budget	Actual	Variance
Jul	843	801	(42)
Aug	795	802	7
Sep	674	874	200
Oct	734		
Nov	748		
Dec	535		
Jan	775		
Feb	714		
Mar	774		
Apr	882		
May	923		
Jun	969		
Totals:	9,368	2,477	164

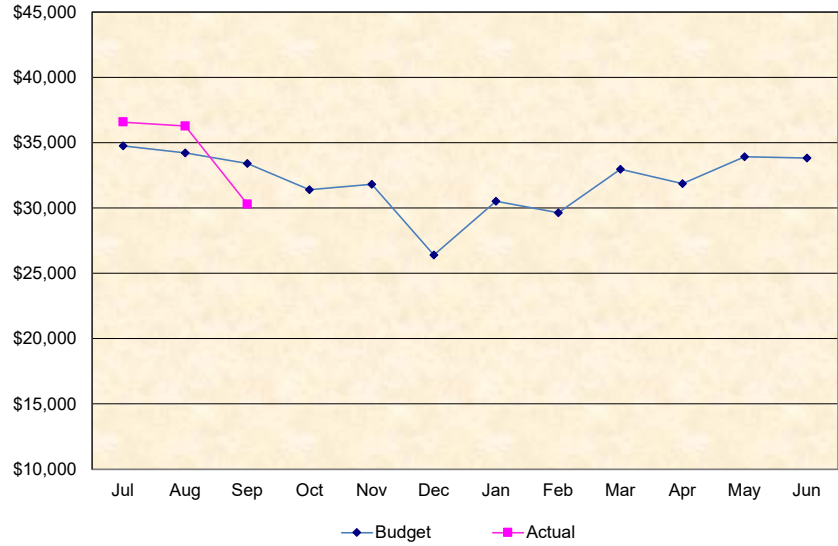


Wood Tonnage Year to Date

Budget:	2,312
Actual:	2,477
Variance	164

Miscellaneous Tipping Fee Revenue

Month	Budget	Actual	Variance
Jul	\$34,761	\$36,579	\$1,818
Aug	\$34,212	\$36,269	\$2,058
Sep	\$33,416	\$30,283	(\$3,133)
Oct	\$31,399		
Nov	\$31,820		
Dec	\$26,398		
Jan	\$30,519		
Feb	\$29,630		
Mar	\$32,969		
Apr	\$31,866		
May	\$33,916		
Jun	\$33,809		



Totals:	\$384,714	\$103,131	\$743
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Miscellaneous Tipping Fee Revenue Year to Date

Budget:	\$102,388
Actual:	\$103,131
Variance	\$743

Miscellaneous tipping fee revenue reflects tipping fees received from tires, treated wood waste, appliances, and water treatment plant sludges.

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **NOVEMBER 9, 2023**
FROM: **KEN GREHM / ERIC ODDO** 
SUBJECT: **COMPATIBLE TECHNOLOGY EVALUATION CRITERIA**

RECOMMENDED ACTION:

1. Approve criteria associated with the preliminary evaluation of third-party compatible technologies proposed to be sited on the WPWMA's campus.
2. Determine that the recommended action is not a project pursuant to California Environmental Quality Act Guidelines Section 15378.

BACKGROUND:

At the December 8, 2022 meeting, your Board certified the Renewable Placer Waste Action Plan Final Environmental Impact Report, a key element of which involves fostering a circular economy centered around the WPWMA's operations to more fully realize the economic and environmental value of the materials that are received, processed and recovered at the WPWMA's campus.

Since that time, staff have had numerous conversations with various entities interested in siting technologies at commercial scale at the WPWMA's site. Based on these conversations, staff have noted that the greatest interest has centered around:
1) utilizing organic materials (e.g., woody biomass, food wastes, organics recovered from the municipal solid waste stream, etc.) to produce electricity or renewable fuels, and 2) installation of large photovoltaic solar arrays.

At the February 9, 2017 meeting, your Board authorized the Executive Director or designee, upon review and approval by WPWMA Counsel, to enter into solid waste-related pilot study level projects to the degree the proposed projects met a series of criteria; a copy of that staff report is attached for your Board's reference. These criteria, however, focused specifically on pilot scale systems and do not adequately address circumstances where larger, commercial level systems are contemplated.

Given the increasing interest by third parties in working with the WPWMA, staff believe it is appropriate to establish a process for evaluating potential projects that are outside the scope of the previously approved criteria. Specifically, staff recommend your Board authorize staff to conduct competitive evaluations of proposed technologies, particularly where there is interest by multiple parties in a specified feedstock (e.g., woody biomass). While California Government Code Section 4217 allows an agency to forego competitive procurement for certain energy-related projects, staff believe that soliciting the attached information from prospective entities would enable staff, the WPWMA's Technical Analysis Group, and your Board to better evaluate the technical and economic viability of projects and decide whether or not to consider further discussions, including entering into contractual relationships, with the subject entities.

ENVIRONMENTAL CLEARANCE:

As there is no specific project associated with the recommended action, the action is not considered a “project” under CEQA guidelines Section 15378.

FISCAL IMPACT:

There is no direct fiscal impact to the WPWMA associated with the recommended action. Staff will provide an economic analysis of any proposed compatible technology contractual relationship it brings forward in the future for your Board’s consideration.

STRATEGIC PLAN/GOALS:

GOAL 2 – Enhance economic development and investment in innovation.

ATTACHMENT: PROPOSED EVALUATION CRITERIA
FEBRUARY 9, 2017 STAFF REPORT

Proposed Evaluation Criteria

1. Description of proposed technology and project including identification of any existing similar operating facilities or sites regardless of whether or not built or operated by proposing entity.
2. Description of proposing entity including history of designing and/or operating proposed or similar technologies.
3. Preliminary process flow diagram of technology including specific identification of process inputs and outputs.
4. Financial proforma of proposed project including at least the following:
 - a. Capital cost
 - b. Annual operating cost
 - c. Rent and royalty remittance to WPWMA
 - d. All sources of revenue (e.g., tipping fees, product sales, grants, etc.)
 - e. Estimated project ROI and Payback
5. Description. Including a map, of space (land) requirements and infrastructure needs and what, if any, elements proposing entity assumes or relies on WPWMA providing.
6. Electrical interconnection and/or utility pipeline connection requirements, approximate sizing and status, if any, of discussion with applicable utility provider(s).
7. Discussion of compatibility with the WPWMA's Renewable Placer Waste Action Plan EIR and if any additional environmental review will be necessary. Discussion of compatibility with current zoning and land use designations.
8. Discussion of any necessary construction and operating permits and proof of preliminary discussions with applicable permitting entities.
9. Letters of support or interest from entities regarding proposer's plans for marketing its technology outputs (e.g., power, fuel, recovered or produced material products, etc.)

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **FEBRUARY 9, 2017**
FROM: **KEN GREHM / ERIC ODDO** 
SUBJECT: **CONDUCTING SOLID WASTE-RELATED PILOT STUDIES AT THE
WPWMA'S FACILITY**

RECOMMENDED ACTION:

Authorize the Executive Director or designee, upon review and approval by WPWMA Counsel, to: 1) enter into individual agreements with technology vendors or 2) provide the MRF or Landfill Operator with the necessary approval and authorization to engage with technology vendors for the purposes of conducting solid waste-related pilot studies at the WPWMA's facility.

BACKGROUND:

As part of the conceptual future uses of the WPWMA's facility presented to your Board on July 9, 2015 and subsequently used as the basis for the Master Planning and Environmental Services Agreement with CH2M approved by your Board on October 13, 2016, the WPWMA has identified the potential for hosting pilot studies of solid-waste related technologies that could serve to identify viable technologies to improve operations, increase diversion, reduce impacts (such as odors) on surrounding properties, or reduce operating costs.

The WPWMA was recently approached by a woody biomass technology vendor (All Power Labs) interested in citing a small gasification unit at the WPWMA's facility temporarily for the purposes of processing high hazard forest waste to generate electricity¹. While the system was not originally designed to handle the types of wood recovered at the WPWMA's facility, preliminary conversations with the vendor suggest they are willing to test some of the WPWMA's wood as long as it generally meets their gasifier feedstock specifications. During the pilot study, all electricity generated by the gasifier will be provided to Nortech at no cost and used to offset electricity demand at the MRF, thereby providing a short-term utility cost savings to Nortech. If they system proves effective, is able to process the WPWMA's wood product and can reliably produce electricity at a competitive rate, staff will evaluate the use of one or more of these units at the WPWMA's facility to ensure a longer-term outlet for wood and to reduce utility costs.

Separately, Nortech has expressed interest in working with an equipment vendor that manufactures an advanced material reduction unit (a type of pulverizer mill) that could help to improve the processing of construction and demolition debris, reduce labor costs associated with the handling of these materials, and improve the marketability of certain products including wood, glass, concrete and rock.

¹ All Power Labs' system is different in size, scale and design than the technologies reviewed as part of the Gasification Feasibility Study noted elsewhere in this package. Technical and economic viability of using the All Power Labs system at the WPWMA's facility would require a separate analysis, and may result in a different recommendation, than the conclusion made in the Gasification Feasibility Study.

To put the WPWMA into the best position to take advantage of these types of opportunities as they arise, staff recommends delegating authority to the Executive Director or designee to enter into separate pilot study agreements (or to allow and authorize Nortech to enter into such agreements) with the requesting technology vendor. As part of this process, staff would follow the following guidelines before proceeding with any pilot study:

1. There is a clear nexus between the technology or process being considered and the WPWMA's operations.
2. The proposed technology or process has the potential for improving the WPWMA's operations or reducing costs/generating revenue.
3. The vendor (or Nortech) has obtained the necessary regulatory approvals for operation of the proposed technology or process.
4. The technology vendor complies with the WPWMA's legal and insurance requirements.
5. There is no direct cost impact to the WPWMA.

Staff will provide updates to your Board as appropriate on any subsequent pilot study agreements and will provide a summary of the results of each pilot study upon its completion.

ENVIRONMENTAL CLEARANCE:

Entering into agreements and conducting these types of pilot studies are anticipated to be categorically exempt under CEQA Guidelines, Article 19, Section 15306 "Information Collection", which consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource.

In the event that a proposed pilot study is not exempt under CEQA, staff will conduct the appropriate level of environmental review and return to your Board for approval before proceeding with the project.

FISCAL IMPACT:

There is no direct cost impact to the WPWMA associated with the recommended action.

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **NOVEMBER 9, 2023**
FROM: **KEN GREHM / ERIC ODDO**
SUBJECT: **BOARD MEETING POLICIES AND PRACTICES: VIRTUAL ACCESS**

RECOMMENDED ACTION:

1. Provide direction to staff regarding potential revisions to the WPWMA's policies and procedures for providing virtual access to WPWMA Board meetings.
2. Determine that the recommended action is not a project pursuant to California Environmental Quality Act Guidelines Section 15378.

BACKGROUND:

As a direct result of the COVID-19 pandemic, the WPWMA has provided the public and other interested parties with virtual access to the Board of Directors meetings using commercially available software platforms beginning with the April 16, 2020 meeting. At the time, and consistent with guidance issued by the Governor's Office, providing virtual access to public meetings was considered appropriate and necessary to comply with the provisions of the Brown Act. On February 28, 2023, the Governor issued a proclamation terminating the state's COVID-19 State of Emergency, prompting public agencies to reevaluate their policies and procedures for providing remote access to public meetings.

Beginning in September 2020, the WPWMA has conducted its Board of Directors meetings using a hybrid model wherein members of the public can participate in person or virtually via a Zoom-based web platform. The WPWMA currently does not provide individuals the opportunity to participate in real time via phone or email. The WPWMA records audio and video of the meetings and provides electronic copies upon request, as meeting recordings are not currently posted on the WPWMA's website.

Virtual attendance records over the past year indicate a total of 81 individuals attended WPWMA Board meetings virtually. Of those, 17 were likely from the general public (i.e., not affiliated with the WPWMA, its Member Agencies, FCC, or other WPWMA consultant or contractor). In that same period, no public comment was received from general public virtual attendees.

Given that there is no longer a declared state of emergency necessitating a virtual meeting option, historic virtual attendance and participation by the public has been negligible, and that there have been periodic technical issues associated with the current hybrid meeting model, staff believe it is an opportune time for your Board to reevaluate its meeting policies and practices related to in-person versus virtual attendance. This evening, staff are requesting direction from your Board on this issue and have identified several variations for your Board's consideration and feedback:

1. Conduct meetings exclusively in person. Do not stream live meeting audio/video. Continue to record audio/video for purposes of maintaining a complete and accurate record of the meeting.
2. Livestream meetings but discontinue virtual participation. This could take the form of livestreaming meetings via YouTube or similar application. Recordings could be saved to the internet for later viewing by your Board, staff, the public, and others. Public comment and participation would be made in person, by e-mail, or otherwise in writing.
3. Continue current hybrid meetings with virtual participation via Zoom or similar application.

Staff believe Option 2 is preferable in that it continues to provide access to Member Agency staff and the general public to view the Board meetings while providing opportunities for public participation. Option 2 would also resolve some of the technical issues the WPWMA has experienced conducting hybrid meetings using Zoom.

ENVIRONMENTAL CLEARANCE:

The recommended action is not a project pursuant to California Environmental Quality Act Guidelines Section 15378.

FISCAL IMPACT:

Depending on the capabilities of the WPWMA's existing audio-visual system, minor hardware upgrades of \$1,000 or less may be required to livestream the meetings. The WPWMA already has a YouTube account; there would be no charge to livestream on this platform.

STRATEGIC PLAN/GOALS:

GOAL 1 – Improve outreach, public education, and customer experience/service.

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **NOVEMBER 9, 2023**
FROM: **KEN GREHM / ERIC ODDO** 
SUBJECT: **WPWMA BOARD SIZE AND COMPOSITION**

RECOMMENDED ACTION:

Provide direction to staff regarding possible adjustments to the size and jurisdictional composition of the WPWMA Board of Directors.

BACKGROUND:

At the September 14, 2023 meeting, your Board discussed the concept of affording one additional seat to any Member Agency that exceeds a defined facility usage metric. Based on its understanding of the discussion, staff have developed the following principles for establishing the facility usage metric for your Board's consideration:

1. Utilize tipping fees remitted to the WPWMA as the basis for computing relative facility usage.
2. Evaluate tipping fees remitted by the Member Agencies or their Designated Haulers only (i.e., City of Lincoln, City of Roseville, and Recology on behalf of Placer County and City of Rocklin). Exclude tipping fees remitted on behalf of the City of Auburn, City of Colfax and Town of Loomis as well as self-haul customers.
3. Define the metric to reasonably correlate to regional growth. Given the relatively stable and predictable association between population and the generation of municipal solid waste (MSW) and greenwaste, staff recommend utilizing these two material streams as the basis for evaluating relative tipping fee contributions from the Member Agencies.
4. Establish the metric such that Placer County would retain two (2) seats on the Board. Initially, Roseville would obtain an additional seat for a total of two (2) seats on the Board, and Lincoln and Rocklin would remain with one (1) seat each. Further, if upon expiration of its full material flow commitment on June 30, 2025, the City of Roseville elects to deliver its non-committed materials to a different facility, it would return to having one (1) seat on the Board. In the future, if either City of Lincoln or City of Rocklin surpass the threshold, that entity would be entitled to an additional seat.

Following the discussion, your Board directed staff to gather applicable information that could be utilized to establish the metric as well as how the composition of the WPWMA Board of Directors could change over time based on estimated regional growth.

Staff reviewed available published information from each Member Agency related to approved projects and their associated changes in projected housing or population. Although CalRecycle publishes estimates of state average per capita and per household waste generation, staff determined that this metric does not reasonably reflect regional and facility specific nuances nor adequately take into account additional

commercial waste generation resulting from a larger populace. As a result, using available scalehouse data, staff computed the average 2022 per capita tipping fee value for MSW and greenwaste delivered to the WPWMA directly by the Member Agencies or their Designated Haulers. Utilizing this calculated value, and reasonable estimates of approved project starting dates and build-out timeframes, staff prepared future tipping fee estimates for each of the Member Agencies over the next 40 years.

Staff performed the analysis and have concluded that the principles noted above have a high probability of being achieved if the tipping fee metric is set at 25%. The attached figures present the estimated relative MSW and greenwaste tipping fee contribution from each Member Agency over the next 40 years and reflect how these percentages may change over time both if the City of Roseville continues to deliver all of its MSW and greenwaste to the WPWMA and if it elects to redirect approximately 60% (consistent with the flow commitment agreement) to another facility.

If your Board elects to modify the governance structure of the WPWMA consistent with facility usage metric as defined above, staff will work with WPWMA and Bond counsels to draft an amendment to the JPA agreement and any necessary bond resolutions or disclosures for your Board's subsequent consideration and approval. If approved by your Board, any JPA amendment would also require separate approval by each of the Member Agencies.

ENVIRONMENTAL CLEARANCE:

The recommended action is not considered a "project" under CEQA guidelines Section 15378.

FISCAL IMPACT:

There is no direct fiscal impact to the WPWMA associated with the recommended action.

If your Board elects to pursue a change in the WPWMA's governance structure, as noted herein, staff will estimate the readily identifiable near-term financial implications of such a change and present its findings to your Board at the time staff presents the proposed amendment to the JPA agreement.

STRATEGIC PLAN/GOALS:

GOAL 6 – Establish internal policy and inform regional policy.

ATTACHMENTS: FIGURE 1 – RELATIVE TIPPING FEE CONTRIBUTIONS, FULL COMMITMENT
FIGURE 2 – RELATIVE TIPPING FEE CONTRIBUTIONS, PARTIAL COMMITMENT

Figure 1
Relative Tipping Fee Contributions
Roseville Full Commitment to WPWMA

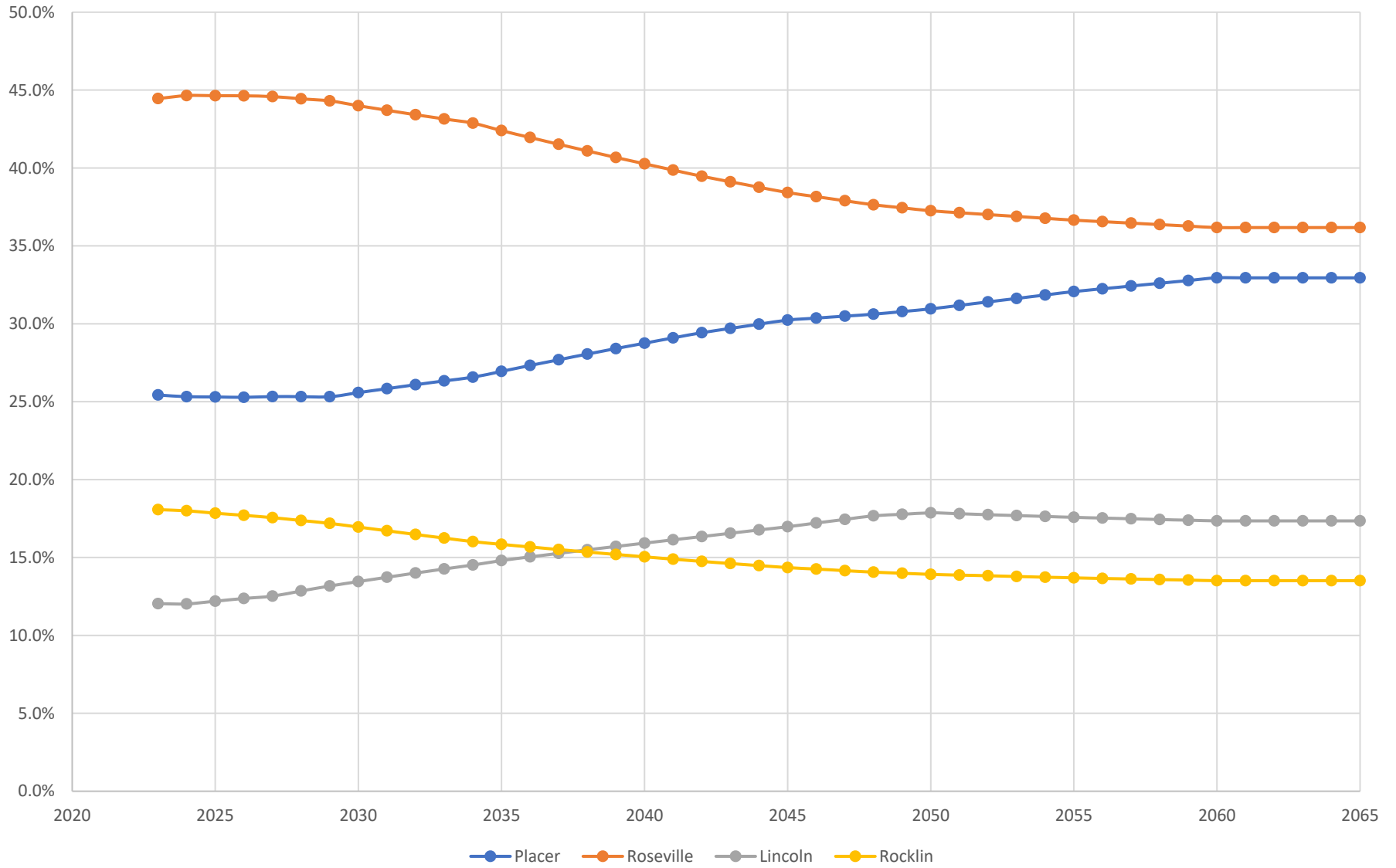


Figure 2
Relative Tipping Fee Contributions
Roseville Partial Commitment to WPWMA

