

Kirkwood Meadows Public Utility District

Engineering, Operations, & Planning Committee

REGULAR MEETING NOTICE

NOTICE IS HEREBY GIVEN that the Engineering, Operations, & Planning Committee of the Kirkwood Meadows Public Utility District has called a Regular Meeting of the Committee to be held on **Wednesday, February 11, 2026 2:00 p.m.** via Zoom at:

<https://us02web.zoom.us/j/87574849196>

HOW TO PARTICIPATE / OBSERVE THE MEETING:

Telephone: Call Zoom at (669) 900-6833 and enter Meeting ID# **875 7484 9196** followed by the pound (#) key.

Computer: Follow this link to join the meeting automatically:

<https://us02web.zoom.us/j/87574849196>

Mobile: Open the Zoom mobile app on a smartphone and enter Meeting ID# **875 7484 9196**

ACCESSIBILITY INFORMATION:

Committee meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact the Clerk of the Board, at least 48-hours before the meeting at (209) 258-4444 or info@kmpud.com. Advanced notification will enable the District to swiftly resolve such requests and ensure accessibility.

Kirkwood Meadows Public Utility District

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REGULAR MEETING NOTICE

AGENDA

- 1) **Utility Updates.** Discussion and possible action.
 - a. Electric
 - b. Fire
 - c. Playground
 - d. Propane
 - e. Snow Removal
 - f. Solid Waste
 - g. Water
 - h. Wastewater
- 2) **Public Benefits Charge.** Discussion and possible action.
- 3) **Wastewater Treatment Plant Exhaust Fan.** Discussion and possible action.
- 4) **Utility Loss.** Discussion and possible action.
- 5) **Future Topics.** Discussion and possible action.

Next Meeting/Staff Recommendation: *Wednesday, March 11, 2026 - 2:00 pm.*

The Kirkwood Meadows Public Utility District is an Equal Opportunity Provider and Employer.

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District at (209) 258-4444, by email to info@kmpud.com. Requests must be made as early as possible, and at least two business days before the meeting.

From: Mario Biagi <mbiagi@kmpud.com>
Sent: Monday, January 26, 2026 1:21 PM
To: Brandi Benson <bbenson@kmpud.com>
Cc: Baron Birge <bbirge@kmpud.com>
Subject: Exhaust Fans

Hello,

After looking at multiple options for reducing the noise produced by the exhaust fans at the wastewater plant it seems like using acoustic barriers and hanging them in front of the exhaust fans is the best option and also the most inexpensive option. Below is items needed for this project and prices including quantity needed.

4 Acoustic Barriers- \$1,610.35

[SOUND CURTAINS, 0.85 NRC, 4 ft Overall Wd, Acoustic Barrier - 827WF8|QFA-10 - Grainger](#)

Pack of 50 Expansion Screw Anchors- \$108.39

[DEWALT, 3/8"-16 Thread Size, 1 1/4 in Overall Lg, Expansion Screw Anchor - 30TC51|09230-PWR - Grainger](#)

3 Packs of 10 Routing Eye Bolt- \$55.83

[Without Shoulder, Steel, Routing Eye Bolt - 35Z514|U17420.037.0100 - Grainger](#)

30 Connecting Links- \$118.20

[Quick Link, Steel, Connecting Link - 1RCD5|1RCD5 - Grainger](#)

Brass Grommet kit + Grommets- \$45.72

[WESTWARD, Brass, 0.5 in Inside Dia, Grommet Kit - 3AB83|3AB83 - Grainger](#)

[GENERAL, Brass, 0.5 in Inside Dia, Grommet - 39EP31|1261-4 - Grainger](#)

Estimated total- \$1,941.49

We would also need to rent a boom lift for this project, and it seems like United Rentals is the best option. Week rates are cheaper than 3-day rates, so I'm sure we can knock out other projects while we have the boom lift. For a 40-50ft boom lift its \$1,248 for the week.

[40-50 ft. Articulating Boom Lift, Diesel or Gas/LP for Rent - United Rentals](#)

That should be everything for this project, if you want any more info on how we intend to complete the project please let me know.

Thank you,

Mario Biagi
Water/Wastewater Operator 1
Kirkwood Meadows PUD
Kirkwood Meadows PUD is an equal opportunity provider and employer.







STAFF REPORT

Utility Loss

Background:

The EOP Committee requested staff document the cost of losses in each utility department as reported monthly in Performance Reporting.

Methodology:

For the cost calculation, staff used “Avoided Cost,” or the incremental cost of producing and/or procuring one additional unit. The avoided cost for electric and propane were stated in the most recent rate studies. Water and wastewater avoided costs were not calculated directly in the 2025 rate study, but staff calculated this from the data in the rate study following the approach used for electric and propane. Figures 1 and 2 show the budget expenses included in this calculation.

Figure 1. Water Avoided Cost Expenses

Budget Expense/Function	Test Year Budget	Revenue Recovery Means		
		Meter Charge	Base Rate	Usage Rate
Employee Related Expenses:				
1 Salaries and Wages	\$195,400	10%	60%	30%
2 Employee Benefits	\$94,100	10%	60%	30%
3 Payroll Taxes	\$14,900	10%	60%	30%
Operating Expenses:				
4 Lab Services	\$31,100		100%	\$31,100
5 Licenses & Permits	\$18,600		100%	\$18,600
6 Outside Services	\$10,400		100%	\$10,400
7 Supplies & Operating Materials	\$26,700		100%	\$26,700
8 Training	\$1,900		100%	\$1,900
Allocation Out To Funds:				
9 General & Administration	\$350,100	10%	90%	\$35,010
10 Board of Directors	\$16,700		100%	\$16,700
11 Electricity	\$86,200		100%	\$86,200
12 Snow Removal	\$1,900		100%	\$1,900
Capital				
13 Capital Spending	\$354,000	85%	15%	\$300,900
14 Use of Reserves	(\$234,000)		100%	(\$234,000)
15 Non Rate Revenue	(\$48,000)	5.4%	69.7%	24.9%
16	Total: \$920,000		\$62,836	\$570,277
				\$286,887

Figure 2. Wastewater Avoided Cost Expenses

Budget Expense	Test Year Budget	Base Rate	Usage Rate	Base Rate	Usage Rate
Employee Related Expenses:					
1 Salaries and Wages	\$242,900	70%	30%	\$170,030	\$72,870
2 Employee Benefits	\$123,600	70%	30%	\$86,520	\$37,080
3 Payroll Taxes	\$18,600	70%	30%	\$13,020	\$5,580
Contract Services					
4 Lab Services	\$24,800	70%	30%	\$17,360	\$7,440
5 Licenses & Permits	\$36,000	70%	30%	\$25,200	\$10,800
6 Engineering Services	\$3,100	70%	30%	\$2,170	\$930
7 Supplies-Chemicals	\$31,100	70%	30%	\$21,770	\$9,330
8 Supplies & Operating Materials	\$156,500	70%	30%	\$109,550	\$46,950
9 Training	\$1,900	70%	30%	\$1,330	\$570
10 Electric Loan Payback	\$8,300	70%	30%	\$5,810	\$2,490
Allocation Into Fund:					
11 General & Administration	\$350,100	70%	30%	\$245,070	\$105,030
12 Board of Directors	\$16,700		100%	\$16,700	
13 Electricity	\$491,300		100%		\$491,300
14 Snow Removal	\$1,900		100%		\$1,900
Capital					
15 Existing Debt	\$260,000	80%	20%	\$208,000	\$52,000
16 Capital Spending	\$448,000	80%	20%	\$358,400	\$89,600
17 Use of Reserves	(\$178,418)		57.9%	42.1%	(\$103,341)
18 Non Rate Revenue	(\$69,000)		57.9%	42.1%	(\$59,965)
19	Total: \$1,967,383			\$1,139,524	\$827,859

Financial Impact:

The avoided costs per utility are shown below:

Avoided Cost

Electric: \$0.147/kWh (2021 Rate Study, same as Net Metering Avoided Cost)

Propane: \$0.057/CF (2025 Rate Study)

Water: \$0.012/gal (2025 Rate Study)

Wastewater: \$0.052 (2025 Rate Study)

The average annual cost of losses per utility was calculated using the unidentified system losses identified on Performance Reporting for the last 5 years. A summary of these costs is shown below and a detailed breakdown per utility and per year is attached.

Average Annual Cost of Losses

Electric: \$141,620 (approximately 3% of Electric expenses)

Propane: -\$9,837 (approximately -1% of Propane expenses)

Water: \$24,211 (approximately 2% of Water expenses)

Wastewater: \$397,591 (approximately 20% of Wastewater expenses)

Next Steps:

Prioritize impacts of losses and perform a cost-benefit analysis on potential improvements to reduce losses.

Prepared By:

Brandi Benson

Performance Reporting
5-Year Comparison

	Annual Cost of Losses	Electric			Propane			Water			Wastewater		
		% Unidentified System Losses (Goal 12%)	Unidentified System Losses (kWh)	Unidentified System Losses (\$)	% Unidentified System Losses (Goal 2%)	Unidentified System Losses (cf)	Unidentified System Losses (\$)	% Unidentified System Losses (Goal 15%)	Unidentified System Losses (gal)	Unidentified System Losses (\$)	% Unidentified System Losses	Unidentified System Losses (gal)	Unidentified System Losses (\$)
FYE 2025	\$440,171	11%	885,956	\$130,236	-1%	-183,051	-\$10,434	18%	2,722,038	\$32,664	34%	5,532,791	\$287,705
FYE 2024	\$518,539	10%	827,042	\$121,575	2%	434,010	\$24,739	14%	1,812,670	\$21,752	39%	6,739,875	\$350,474
FYE 2023	\$728,264	12%	1,033,574	\$151,935	1%	112,303	\$6,401	14%	2,167,205	\$26,006	48%	10,460,009	\$543,920
FYE 2022	\$673,519	14%	1,102,525	\$162,071	-5%	-837,416	-\$47,733	11%	1,639,519	\$19,674	49%	10,375,112	\$539,506
FYE 2021	\$407,429	12%	967,899	\$142,281	-2%	-388,761	-\$22,159	12%	1,746,418	\$20,957	31%	5,122,117	\$266,350
Average \$/yr per utility		\$141,620			-\$9,837			\$24,211			\$397,591		