

Kirkwood Meadows Public Utility District

Operations Committee

REGULAR MEETING NOTICE

NOTICE IS HEREBY GIVEN that the Operations Committee of the Kirkwood Meadows Public Utility District has called a Regular Meeting of the Committee to be held on **Wednesday, April 10, 2024 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 District, 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

Operations Committee

REGULAR MEETING NOTICE

AGENDA

1) **Utility Updates.**

- a. Electric
- b. Fire
- c. Playground
- d. Propane
- e. Snow Removal
- f. Solid Waste
- g. Water
- h. Wastewater
- i. WWTP Repair & Rehabilitation Project.

2) **Fiscal Year 2024/25 Capital Project Budget.** Discussion & possible action.

3) **Future Topics.**

Next Meeting/Staff Recommendation: *Wednesday, May 8, 2024 - 2:00pm.*

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.

Distribution Date: April 3, 2024

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects**

	5 Yr Total	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component						
Water	358,000	208,000	60,000	0	90,000	0
Wastewater	776,000	541,000	235,000	500,000	187,500	97,500
Employee Housing	0	0	0	0	0	0
Fire	0	40,000	0	0	0	0
Electric	120,000	20,000	0	50,000	0	50,000
Propane	205,000	115,000	40,000	0	0	50,000
Snow Removal	0	0	0	0	0	0
Cable	0	0	0	0	0	0
Parks and Rec	20,000	20,000	0	0	0	0
Solid Waste	0	0	0	0	0	0
Operations Shared	0	0	0	0	0	0
Total Capacity Expense	1,479,000	944,000	335,000	550,000	277,500	197,500
Replacement Component						
Water	858,000	70,000	305,000	283,000	137,000	63,000
Wastewater	6,269,000	2,978,000	2,288,500	625,000	282,500	252,500
Employee Housing	47,500	16,500	2,500	9,500	9,500	9,500
Fire	129,500	13,500	75,500	13,500	13,500	13,500
Electric	983,500	92,000	534,000	233,000	26,500	98,000
Propane	3,120,000	376,000	2,331,000	331,000	31,000	51,000
Snow Removal	460,000	100,500	39,500	27,500	252,500	40,000
Cable	5,000	1,000	1,000	1,000	1,000	1,000
Parks and Rec	28,000	25,000	1,500	0	1,500	0
Solid Waste	0	0	0	0	0	0
Operations Shared	521,500	35,000	241,500	25,000	80,000	145,000
Total Replacement Expense	12,422,000	3,707,500	5,820,000	1,548,500	835,000	673,500
Total Capital Expense	13,901,000	4,651,500	6,155,000	2,098,500	1,112,500	871,000

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Water**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical	Updated 1/22/24				
<i>Distribution</i>								
Hazard Assessment	140,000	One Time	1	80,000	60,000			
Lead Service Line Inventory	50,000	One Time	1	50,000				
Pressure Recorders	3,000	One Time	1	3,000				
Sample Station	10,000	One Time	1	10,000				
Well 6 Hydrology Study & Permitting	15,000	One Time	1	15,000				
Pressure Reducing Stations (2)	90,000	One Time	4				90,000	
Test Wells	0	As Needed	5					
Well 6 Installation	0	As Needed	5					
Well Transmission Mains to Upper Zones	0	One Time	5					
<i>Storage</i>								
Tanks (1.4 Mgal additional)	0	As Needed	5					
<i>General</i>								
Connection Fee Study	20,000	As Needed	1	20,000				
Water/Wastewater 218 Rate Study (Split)	30,000	Five Years	1	30,000				
Total Water Capacity Expense	358,000			208,000	60,000	0	90,000	0
Replacement Component								
Fire Hydrant Replacements	40,000	Annual	1	8,000	8,000	8,000	8,000	8,000
Pressure Reducing Valve Replacement	75,000	Five Over Five Years	1	15,000	15,000	15,000	15,000	15,000
Well 2 Telemetry	15,000	One Time	1	15,000				
Well 3 Flow Meter / Telemetry	20,000	One Time	1	20,000				
Well 4/5 Building Replacement/Hardening	107,000	One Time	1		107,000			
Well Pumps	12,000	Five Years	1	12,000				
Distribution System Valve Replacement	25,000	Three Years	2		25,000			25,000
Tank (Dangburg) Recoating	150,000	Thirty Years	2		150,000			
Tank (Lodge) Recoating	150,000	Thirty Years	3			150,000		
Well 3 Building Replacement/Hardening	110,000	One Time	3			110,000		
Well 2 Building Replacement/Hardening	114,000	One Time	4				114,000	
Remote Read Meter Replacement	0	Twenty over Five Years	5					
Tank Diving / Inspection	15,000	Five Years	5					15,000
<i>General</i>								
EV Light Duty Service Truck (Split w/Solid Waste)	0	Ten Years	5					
Total Water Replacement Expense	858,000			70,000	305,000	283,000	137,000	63,000
Total Water Capital Expense	1,216,000			278,000	365,000	283,000	227,000	63,000

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Wastewater**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical	Updated 1/23/2024				
<i>Collection</i>								
East Lift Upgrade/Replacement (50%)	150,000	Thirty Years	3			150,000		
Main Lift Upgrade/Replacement (50%)	187,500	Thirty Years	4				187,500	
Lower Lift Upgrade/Replacement (50%)	97,500	Thirty Years	5					97,500
<i>Treatment</i>								
Black Tank Telemetry	16,000	As Needed	1	16,000				
Centrifuge Upgrade/Replacement (50%)	325,000	As Needed	1	325,000				
EQ Tank Replacement (50%)	0	As Needed	5					
Headworks/Hycore Upgrade/Replacement (50%)	215,000	As Needed	2		215,000			
Aeration Blower	0	As Needed	5					
<i>Disposal</i>								
Leachfield Depth Telemetry (Fields 3/4/9)	20,000	One Time	1	20,000				
Leachfield Expansion	350,000	As Needed	3			350,000		
Effluent Pumps	0	As Needed	5					
<i>General</i>								
Wastewater Master Plan	150,000	One Time	1	150,000				
Water/Wastewater 218 Rate Study	30,000	Five Years	1	30,000				
Connection Fee Study	20,000	As Needed	2		20,000			
Total Wastewater Capacity Expense	776,000			541,000	235,000	500,000	187,500	97,500
Replacement Component								
<i>Collection</i>								
Collection Manole Infiltration/Inflow Replacement	170,000	As Needed	1	40,000	40,000	40,000	25,000	25,000
Collection Pipeline Infiltration/Inflow Replacement	195,000	As Needed	1	55,000	35,000	35,000	35,000	35,000
Filtrate Pumpe #2 VFD	25,000	As Needed	1	25,000				
Main Life Pump Replacement	15,000	As Needed	1	15,000				
Lift Station Pumps	20,000	Three Years	1	10,000			10,000	
Main Lift Roof Replacement/Hardening	50,000	As Needed	1	50,000				
East Lift Equipment/Controls Moved from Vault	165,000	One Time	2		165,000			
East Lift Upgrade/Replacement (50% Repl)	150,000	Thirty Years	3			150,000		
Lift Transducers	10,000	Five Years	3			10,000		
Main Lift Upgrade/Replacement (50% Repl)	187,500	Thirty Years	4				187,500	
Lower Lift Upgrade/Replacement (50% Repl)	0	Thirty Years	5					97,500
Collection Pipeline Meadow Replacement	0	As Needed	5					
SSMP Update	0	Five Years	5					60,000
<i>Treatment</i>								
Centrifuge Upgrade/Replacement (50%)*	325,000	One Time	1	325,000				
Microscope	2,500	One Time	1	2,500				

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Wastewater**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Replace Anoxic / MBR Recirc / Filtrate Pumps*	460,000	One Time	1	460,000				
Replace Basin Area Exhaust Fans*	70,000	One Time	1	70,000				
Replace MBR Pneumatic Valves*	120,000	One Time	1	120,000				
Electrical Upgrades*	110,000	One Time	1	110,000				
Misc. Sitework / Piping / Electrical*	657,000	One Time	1	328,500	328,500			
CIP Tank Canopy*	95,000	One Time	2		95,000			
Demolish A-Frame*	245,000	One Time	2		245,000			
Repair/Repaint Exterior Walls*	110,000	One Time	2		110,000			
Replace Chemical Feed Pumps*	75,000	Ten Years	2		75,000			
Headworks/Hycore Upgrade/Replacement (50%)*	215,000	One Time	2		215,000			
Upgrade Instrumentation*	25,000	One Time	2		25,000			
General Conditions/Overhead/Profit (20%)	450,000	One Time	1	250,000	200,000			
Financing (Per Stifel Estimate)*	230,000	One Time	1	165,000	65,000			
Construction Phase Services	450,000	One Time	1	250,000	200,000			
SCADA/PLC/Controls System Replacement*	700,000	One Time	1	400,000	300,000			
Contingency (15% of Construction Estimate)	200,000	One Time	1	100,000	100,000			
Membrane Replacement	200,000	Fifteen Years	1	200,000				
Concrete Basin Refurbishment & Recoating	150,000	Thirty Years	3			150,000		
CIP Tank Replacement	0	Thirty Years	5					
EQ Tank Replacement (50% Replacement)*	0	One Time	5					
<i>Disposal</i>								
VFD Replacement	20,000	Two Years	2		10,000		10,000	
Leachfield Cleanouts	45,000	One Time Over 5 Years	3			15,000	15,000	15,000
Monitoring Well Replacement & New WDR	225,000	One Time	3			225,000		
Effluent Disposal Line	0	One Time	5					
Leachfield Lateral Replacement	0	Twenty Years	5					
Pumps/Controls, Absorption Beds	0	Ten Years	5					
<i>General</i>								
Washer/Dryer	2,000	Ten Years	1	2,000				
EV Light Duty Service Truck	80,000	Ten Years	2		80,000			
Lift Equipment	20,000	Ten Years	5					20,000
Walk-Behind Snowblower	0	Ten Years	5					
Total Wastewater Replacement Expense	6,269,000			2,978,000	2,288,500	625,000	282,500	252,500
Total Wastewater Capital Expense	7,045,000			3,519,000	2,523,500	1,125,000	470,000	350,000

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Employee Housing**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]	0							
Total Employee Housing Capacity Expense	0			0	0	0	0	0
Replacement Component								
Flooring	9,000	Two Years (Until all 8 Replaced, then 10 Years)	1	4,500			4,500	
Hot Water Heaters	24,000	Two Years (Until Remaining 5 Replaced, then 10 Years)	1	8,000		8,000		8,000
Refrigerators	4,500	Two Years (Until Remaining 5 Replaced, then 10 Years)	1	1,500		1,500		1,500
Window Replacement	5,000	Three Years	1	2,500			2,500	
Dishwashers	1,000	Two Years (Until all 7 Replaced, then 10 Years)	2		500		500	
Washers/ Dryers	4,000	Two Years (Until Remaining 3 Replaced, then 10 Years)	2		2,000		2,000	
Door Replacement	0	Ten Years	5					
Total Employee Housing Replacement Expense	47,500			16,500	2,500	9,500	9,500	9,500
Total Employee Housing Capital Expense	47,500			16,500	2,500	9,500	9,500	9,500

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Fire**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component								
			Scale 1~5 1=Critical					
218 Special Assessment Engineering Study	40,000	As Needed	1	40,000				
Type 1 Fire Truck	0	20 years	5					
Total Fire Capacity Expense	0			40,000	0	0	0	0
Replacement Component								
Hose Replacement	7,500	Annual	1	1,500	1,500	1,500	1,500	1,500
Radio Equipment	10,000	Annual	1	2,000	2,000	2,000	2,000	2,000
Structure Gear / PPE	50,000	Annual	1	10,000	10,000	10,000	10,000	10,000
Boiler - Fire Bay	37,000	As Needed	2		37,000			
Extrication Equipment	10,000	15 years	2		10,000			
Ladder Replacement	15,000	10 years	2		15,000			
Command Vehicle	0	10 years	5					
Type 1 Fire Truck	0	20 years	5					
Type 6 Mini-Pumper Vehicle	0	15 years	5					
Total Fire Replacement Expense	129,500			13,500	75,500	13,500	13,500	13,500
Total Fire Capital Expense	129,500			53,500	75,500	13,500	13,500	13,500

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Electric**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
Upgrades the PH/ future capacity (8MW)	0	As Needed	5					
<i>General</i>								
Connection Fee Study	20,000	As Needed	1	20,000				
Electric 218 Rate Study	50,000	Five Years	3			50,000		
Mini-Excavator (Split with Propane)	50,000	One Time	5					50,000
Total Electric Capacity Expense	120,000			20,000	0	50,000	0	50,000
Replacement Component								
CEMS Screen Replacement	9,000	Two Years	1	3,000		3,000		3,000
Meadow Direct Burial Line Replacement	550,000	One Time	1	50,000	500,000			
Out Valley Switching Cabinet Replacement	60,000	One Time	1	20,000	20,000	20,000		
Powerhouse Door	4,000	One Time	1	4,000				
Radiator Safety Rails	5,000	One Time	1	5,000				
Riser Vaults (8)	40,000	Annual for 4 years	1	10,000	10,000	10,000	10,000	
Service Lines	8,000	Two Years	2		4,000		4,000	
Powerhouse Radiator Roof	200,000	One Time	3			200,000		
Distribution System FCIs	12,500	One Time	4				12,500	
Phase 3 Loop Road Project	95,000	One Time	5					95,000
EV Heavy Duty Service Truck (Split with Propane)	0	Ten Years	5					
Snowmobiles	0	Fifteen Years	5					
Walk-Behind Snowblower	0	Ten Years	5					
Total Electric Replacement Expense	983,500			92,000	534,000	233,000	26,500	98,000
Total Electric Capital Expense	1,103,500			112,000	534,000	283,000	26,500	148,000

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Propane**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]	0							
<i>General</i>								
Propane Master Plan	100,000	One Time	1	100,000				
Connection Fee Study (Split)	15,000	As Needed	1	15,000				
Propane Rate Study	40,000	Five Years	2		40,000			
Mini-Excavator (Split with Electric)	50,000	One Time	5					50,000
Total Propane Capacity Expense	205,000			115,000	40,000	0	0	50,000
Replacement Component								
Leak Survey	20,000	Five Years	1					20,000
Meter Replacement (Commercial)	40,000	10% a year	1	8,000	8,000	8,000	8,000	8,000
Meter Replacement (Residential)	40,000	10% a year	1	8,000	8,000	8,000	8,000	8,000
Propane Vaporizer	125,000	Fifteen Years	1	125,000				
Regulator Replacement	75,000	10% a year	1	15,000	15,000	15,000	15,000	15,000
Propane Tank & Vaporizer Roof Enclosures	2,160,000	One Time	1	160,000	2,000,000			
Propane Service Line Replacement	660,000	Two Years	1	60,000	300,000	300,000		
Upsize Liquid Line to 2-Inch	0	One Time	5					
EV Heavy Duty Service Truck (Split with Electric)	0	Ten Years	5					
Total Propane Replacement Expense	3,120,000			376,000	2,331,000	331,000	31,000	51,000
Total Propane Capital Expense	3,325,000			491,000	2,371,000	331,000	31,000	101,000

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Snow Removal**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
Total Snow Removal Capacity Expense	0			0	0	0	0	0
Replacement Component								
950F & 950GC Tires	30,500	3 Years w/5 Year Spacing	1	8,000	10,000			12,500
Trackless Tires	12,500	Annual	1	2,500	2,500	2,500	2,500	2,500
Trackless Repairs (Injectors/Radiators/Pumps)	30,000	As Needed	1	30,000				
ICE Light Duty Service Truck	60,000	Ten Years	1	60,000				
Exhaust / Fume Collection (Split w/Shared)	15,000	One Time	2		15,000			
924G Tires	12,000	Five Years	2		12,000			
Diesel Fill Station (Powerhouse)	20,000	One Time	3			20,000		
Gantry Crane	5,000	One Time	3			5,000		
Trackless Replacement	250,000	As Needed	4				250,000	
RPM Upper Assembly Manufacturer Refurb.	25,000	Five Years	5					25,000
RPM Replacement	0	Twenty Years	5					
Total Snow Removal Replacement Expense	460,000			100,500	39,500	27,500	252,500	40,000
Total Snow Removal Capital Expense	460,000			100,500	39,500	27,500	252,500	40,000

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Cable**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]	0							
Total Cable Capacity Expense	0			0	0	0	0	0
Replacement Component								
Channel 19 Equipment/ Education	5,000	Annual	1	1,000	1,000	1,000	1,000	1,000
Cable Equipment	0	Five Years	5					
Total Cable Replacement Expense	5,000			1,000	1,000	1,000	1,000	1,000
Total Cable Capital Expense	5,000	0		1,000	1,000	1,000	1,000	1,000

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Parks and Rec**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
OGALS Project	20,000	One Time	1	20,000				
Total Parks and Rec Capacity Expense	20,000			20,000	0	0	0	0
Replacement Component								
Playground Retaining Wall	25,000	One Time	1	25,000				
Playground Appurtenance Repair/Replace	3,000	Two Years	2		1,500		1,500	
Total Parks and Rec Replacement Expense	28,000			25,000	1,500	0	1,500	0
Total Parks and Rec Capital Expense	48,000			45,000	1,500	0	1,500	0

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Solid Waste**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]	0							
Total Solid Waste Capacity Expense	0			0	0	0	0	0
Replacement Component								
Dumpsters	0	As Needed	5					
EV Light Duty Service Truck (Split w/Water)	0	Ten Years	5					
Recycling	0	As Needed	5					
Total Solid Waste Replacement Expense	0			0	0	0	0	0
Total Solid Waste Capital Expense	0			0	0	0	0	0

**Kirkwood Meadows Public Utility District
FY 23/24 Capital Improvement Projects - Operations Shared**

	5 Yr Total	Cycle	Priority	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]								
Total Operations_Shared Capacity Expense	0			0	0	0	0	0
Replacement Component								
Asphalt Repair	40,000	Annual	1	10,000	5,000	10,000	5,000	10,000
Computers	25,000	Annual	1	5,000	5,000	5,000	5,000	5,000
Heat Pumps & Infrastructure @ CSB (Phase 2)	35,000	One Time	1		35,000			
Roof Heat Tape - Shop	5,000	One Time	1	5,000				
Office Equipment	15,000	Biannual	1	5,000		5,000		5,000
Vehicle Tires	15,000	Biannual	1	5,000		5,000		5,000
Backhoe	180,000	Fifteen Years	2		180,000			
Fall Protection	1,500	Five Years	2		1,500			
Exhaust / Fume Collection (Split w/Snow Rem.)	15,000	One Time	2		15,000			
10 Wheel Dump Truck	50,000	One Time	4				50,000	
CSB Window Replacement	20,000	Ten Years	4				20,000	
CSB Carpet Replacement	0	Fifteen Years	5					
Mud Room Concrete Floor & Pallet Racks	120,000	One Time	5					120,000
Scaffolding	0	Ten Years	5					
Shoring	0	Fifteen Years	5					
Walk-Behind Snowblower	0	Ten Years	5					
Fire Bay/Shop LED Light Fixture Upgrade		One Time		5,000				
Sensus Flexnet Handheld		Five Years		4,500				
Total Operations_Shared Replacement Expens	521,500			35,000	241,500	25,000	80,000	145,000
Total Operations_Shared Capital Expense	521,500			35,000	241,500	25,000	80,000	145,000