

Kirkwood Meadows Public Utility District

Planning Committee

REGULAR MEETING AGENDA

NOTICE IS HEREBY GIVEN that the Planning Committee of the Kirkwood Meadows Public Utility District has called a Regular Meeting of the Committee to be held on **Thursday, March 22, 2018 at 4:00 P.M.** at the Kirkwood Meadows Public Utility District Community Services Building, 33540 Loop Road, Kirkwood, California 95646.

The Agenda for this Regular Meeting is:

- 1) **Planning Committee Charter Review.** Discussion and possible update. **Pg.2**
 - a) February 22, 2018 – Staff directed to update Charter based on comments received.
- 2) **General Manager Objectives FY 2018/19.** Discussion and possible update. **Pg. 3**
 - a) February 22, 2018 – Staff directed to update Objectives based on comments received.
- 3) **Capital Improvement Plan.** Discussion of updated 5 Year CIP. **Pgs. 4-16**
- 4) **Fire Services Master Plan.** Update on activities of Temporary Advisory Committee.
- 5) **Review of Energy Mix / Renewable Resources.** Discussion of current energy mix, renewable energy and Vail 2030 Goals. **Pg. 17**
- 6) Future Topics **Pg. 18**
- 7) Next Meeting/Staff Recommendation: Thursday, April 26, 2018 – 4:00pm.

Dated: March 15, 2018

Kirkwood Meadows PUD

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 jaustin@kmpud.com. Requests must be made as early as possible, and at least two business days before the meeting.

Kirkwood Meadows
Public Utilities District
BOARD OF DIRECTORS

CHARTER
PLANNING COMMITTEE

PURPOSE: The Planning Committee is established as a standing committee of the Board of Directors whose primary duties are to oversee short-and long-term strategic planning needs of the District. The Committee identifies future milestones, issues, opportunities, requirements for which advance planning can be beneficial to the District and makes recommendation to the Board to initiate such planning.

MEMBERSHIP: The Planning Committee shall consist of up to five voting members consisting of two directors and from one to three District members. The General Manager shall be a non-voting member of the Committee.

The Committee may establish such subcommittees as it believes are necessary to fulfill its purpose.

MEMBERSHIP TERM: The term for each of the two director members shall be two years. The term for each of the District members shall be three years, staggered so that, with three District members, one term shall expire each year. The Board may re-appoint District members at the ends of their terms.

COMMITTEE CHAIR: The Committee shall elect a director member to serve as Committee Chair. The Chair, or his/her designee, shall lead the Committee meetings and shall be the authorized liaison for requests and communications between the Committee and the Board and management.

MEETINGS: Meetings of the Planning Committee are subject to the *Brown Act* meeting and notice requirements. Subject to compliance with noticing requirements, the Committee shall meet as often as the Chair of the Committee deems necessary or desirable, but in no case shall it meet less frequent than quarterly.

COMMITTEE RESPONSIBILITIES: The Committee shall work closely with the Board, General Manager, and other Board appointed standing committees to identify potential short- and long-term planning needs. Subject to Board authorization, the Committee may retain advisors and experts it deems appropriate to the assigned planning task. Regarding the above, the Committee's primary responsibilities are as follows:

- Research and assess ~~new~~ District services and alternative means, business models and technologies for providing District services.
- Research opportunities for new sources of revenues for the District, ~~such as from Counties (through "Fair Share" and other means) and from grants.~~
- Assist the General Manager in researching, assessing and implementing the public processes required to obtain the necessary customer approvals for raising revenues and taking other actions necessary to achieve the District's goals.
- Conduct an annual self-evaluation of the performance of the Committee and the effectiveness and compliance with this charter.

**Kirkwood Meadows Public Utility District
General Manager Planning Objectives
FY 2017/2018**

Planning

- ~~1.~~ ~~Update the Fire Master Plan by the end of the calendar year.~~
- ~~2.~~1. Present strategies and possible sources of funds to meet the needs outlined in the Fire Master Plan.
- ~~3.~~2. ~~Develop and implement a plan~~Continue to staff the Fire Department with ~~a 2017-2018 winter goal for~~ 6 volunteer firefighters ~~through winter.~~
- ~~4.~~3. Revise and Approve Kirkwood Fire Ordinance to conform to latest statutes and local needs by the end of the fiscal year.
- ~~5.~~4. Refine capacity projections to better evaluate District's Will-Serve capabilities and update Will Serve obligations.
- ~~6.~~5. Research and Pursue Grant Opportunities Focusing on Fire Department, Defensible Space and Water Storage Needs.
- ~~7.~~6. Pursue the Establishment of an Alpine County Sheriff Position Living in Kirkwood.
- ~~8.~~7. Continue Economic Development Meetings Focusing on Removing Obstacles from Increasing Kirkwood Skier Day, Overnight and Real Estate Growth.
- ~~9.~~8. Work with Community Stakeholders to Resolve Funding Mechanism for Future Community and District Employee Housing Needs.
- ~~10.~~9. Continue to Improve and Develop Relationships with Government Entities with ties to Kirkwood Including Alpine County, Amador County, El Dorado County, Alpine County Sheriff, Amador County Sheriff, Alpine County Chamber of Commerce, TC-TAC, USFS, Caltrans, El Dorado Irrigation District, Eastern Alpine Fire Department, Lake Valley Fire Department.
- ~~11.~~10. Continue to Establish Strong Ties with Players in the Kirkwood Valley Including Vail, Kirkwood Property Services, Kirkwood Resort Development, Pyramid Properties

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component						
Water	0	0	0	0	0	0
Wastewater	90,000	30,000	0	0	0	60,000
Employee Housing	0	0	0	0	0	0
Fire	62,500	0	0	0	0	62,500
Electric	2,700,000	200,000	1,250,000	1,250,000	0	0
Propane	236,250	0	0	225,000	0	11,250
Snow Removal	0	0	0	0	0	0
Cable	0	0	0	0	0	0
Parks and Rec	0	0	0	0	0	0
Solid Waste	0	0	0	0	0	0
Operations Shared	0	0	0	0	0	0
Total Capacity Expense	3,088,750	230,000	1,250,000	1,475,000	0	133,750
Replacement Component						
Water	183,000	43,500	30,000	16,000	45,000	48,500
Wastewater	1,503,500	135,500	297,500	305,000	373,500	392,000
Employee Housing	57,800	36,600	1,500	9,100	1,500	9,100
Fire	173,500	31,200	32,200	41,200	3,200	65,700
Electric	3,020,000	350,500	1,290,000	1,263,500	10,000	106,000
Propane	233,950	60,000	17,700	104,500	16,500	35,250
Snow Removal	515,483	118,638	74,732	54,232	199,732	68,149
Cable	11,000	1,000	7,000	1,000	1,000	1,000
Parks and Rec	18,000	1,500	0	1,500	0	15,000
Solid Waste	25,000	5,000	5,000	5,000	5,000	5,000
Operations Shared	90,000	34,000	5,000	10,000	30,000	11,000
Total Replacement Expense	5,831,233	817,438	1,760,632	1,811,032	685,432	756,699
Total Capital Expense	8,919,983	1,047,438	3,010,632	3,286,032	685,432	890,449

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
<i>Distribution</i>								
<i>Storage</i>								
<i>Water Rights</i>								
Total Water Capacity Expense	0			0	0	0	0	0
Replacement Component								
Meter Interrogator	15,000	One-Time	1	15,000				
Well Pumps	10,000	Two Years	1		5,000		5,000	
Well 2 Roof	2,500	Fifteen Years	1	2,500				
Distribution System Valve Replacement	70,000	Annual	2	15,000	25,000	10,000	10,000	10,000
Telemetry	5,000	Five Years	2	5,000				
Fire Hydrant Replacements	18,000	Two Years	3	6,000		6,000		6,000
Remote Read Meter Replacement	7,500	Twenty Years	4					7,500
Vehicle Purchase (Split with Wastewater)	30,000	Ten Years	4				30,000	
Commercial Remote Read Water Meters	15,000	Twenty Years	4					15,000
Mountain Club Water Meter Relocation	10,000	One-Time	5					10,000
Total Water Replacement Expense	183,000			43,500	30,000	16,000	45,000	48,500
Total Water Capital Expense	183,000			43,500	30,000	16,000	45,000	48,500

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
<i>Collection</i>								
<i>Treatment</i>								
Feasibility Study (50%)	30,000		1	30,000				
Aeration Blower (2@ \$60,000)	60,000	When air-flow requirements exceed 1,130 SCFM	4					60,000
<i>Disposal</i>								
Total Wastewater Capacity Expense	90,000			30,000	0	0	0	60,000
Replacement Component								
<i>Collection</i>								
Collection System Infiltration/Inflow Repairs	280,000	Annual for 10 Years	1	80,000	50,000	50,000	50,000	50,000
Hot Water Heater, Main Lift	2,500	Ten Years	1	2,500				
Jetter Camera	9,000	Ten Years	1	9,000				
East Lift Controls Moved from Vault	120,000	One Time	2			120,000		
Pumps, Main Lift	14,000	Two Years	2			7,000		7,000
<i>Treatment</i>								
Feasibility Study (50%)	30,000	One Time	1	30,000				
Centrifuge Polymer Feed System	5,000	Five Years	1	5,000				
Hycore Brush Replacement	3,000	Three Years	1	1,500			1,500	
WWTP Roof Repair	120,000	One Time	1		120,000			
Aluma Valve	10,500	Fifteen Years	2		10,500			
Hycore Upgrade	68,000	One Time	2			68,000		
Motor Control Cabinets Refurbished	60,000	One Time	2		60,000			
Pumps, Anoxic / EQ / Filtrate	14,000	Two Years	2		7,000		7,000	
WWTP UPS	15,000	One Time	2		15,000			
Ventilation for WWTP	35,000	Fifteen Years	2		35,000			
Emergency Storage Piping/Pumps	50,000	One Time	3			50,000		
Membranes	0	Five Years	3					
SCADA/PLC/Controls System Replacement	500,000	One Time	3				250,000	250,000
Centrifuge Rebuild	35,000	Five Years	4				35,000	
Heating at WWTP	25,000	Twenty Years	5					25,000

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Lab Rehab	50,000	One Time	5					50,000
<i>Disposal</i>								
Pumps/Controls, Absorption Beds	7,500	Ten Years	1	7,500				
VFD Replacement	20,000	Two Years	3			10,000		10,000
<i>General</i>								
Vehicle Purchase (Split with Water)	30,000	Ten Years	4				30,000	
Total Wastewater Replacement Expense	1,503,500			135,500	297,500	305,000	373,500	392,000
Total Wastewater Capital Expense	1,593,500			165,500	297,500	305,000	373,500	452,000

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
Total Employee Housing Capacity Expense	0			0	0	0	0	0
Replacement Component								
Concrete Coring/Venting	25,000	One Time	1	25,000				
Dishwashers	1,500	Two Years (Until all 8 Replaced, then 10 Years)	1	500		500		500
Roof Repairs	3,500	One Time	1	3,500				
Flooring	4,800	Two Years (Until all 8 Replaced, then 10 Years)	2	1,600		1,600		1,600
Hot Water Heater	18,000	Two Years (Until Remaining 6 Replaced, then 10 Years)	2	6,000		6,000		6,000
Washers/ Dryers	3,000	Two Years (Until Remaining 6 Replaced, then 10 Years)	2		1,500		1,500	
Refrigerators	2,000	Two Years (Until Remaining 6 Replaced, then 10 Years)	3			1,000		1,000
Total Employee Housing Replacement Expens	57,800			36,600	1,500	9,100	1,500	9,100
Total Employee Housing Capital Expense	57,800			36,600	1,500	9,100	1,500	9,100

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
Light Rescue/ Command Vehicle	62,500	15 years	5					62,500
Total Fire Capacity Expense	62,500			0	0	0	0	62,500
Replacement Component								
Hose Replacement	7,500	Annual	1	1,500	1,500	1,500	1,500	1,500
Radio Reprogramming	2,500	Annual	1	500	500	500	500	500
Structure Gear / PPE	6,000	Annual	1	1,200	1,200	1,200	1,200	1,200
Knox box key management system	1,000	One Time	2		1,000			
SCBA's (7,000 per unit + spare cylinder)	84,000	10 years	2	28,000	28,000	28,000		
Extrication Equipment	10,000	15 years	3			10,000		
Light Rescue/ Command Vehicle	62,500	15 years	5					62,500
Total Fire Replacement Expense	173,500			31,200	32,200	41,200	3,200	65,700
Total Fire Capital Expense	236,000			31,200	32,200	41,200	3,200	128,200

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
Switch Station	2,700,000	Contingent on PG&E Negotiations	1	200,000	1,250,000	1,250,000		
Total Electric Capacity Expense	2,700,000			200,000	1,250,000	1,250,000	0	0
Replacement Component								
CEMS Maintenance/Replacement	15,000	5 years	1	15,000				
CT Testing/Replacement	7,500	10 years	1	7,500				
Gate Replacement	12,000	One Time	1	12,000				
OV Cabinet Replacement	30,000	15 years	1	15,000	15,000			
OV Relay Programming	12,000	One Time	1	12,000				
Powerhouse Relay Programming	25,000	One Time	1	25,000				
Service Truck (Split with Propane)	30,000	Ten Years	1	30,000				
Switch Station (Replacement Component)	2,700,000	Contingent on PG&E Negotiations	1	200,000	1,250,000	1,250,000		
Tugger	10,000	10 years	1	10,000				
Powerhouse House Breaker	2,500	One Time	1		2,500			
Commercial Meter Testing	18,000	One Time	1	18,000				
Distribution System FCIs	12,500	One Time	2		12,500			
Riser Vaults (8)	24,000	Annual for 4 years	2		6,000	6,000	6,000	6,000
Service Lines	8,000	Two Years	2		4,000		4,000	
Transformer Retaining Walls	6,000	One Time	2	6,000				
Fremont / Dangburg Line Replacement	7,500	One Time	3			7,500		
Caples Lake Transformer Containment	10,000	One Time	5					10,000
Meadow line replacement	74,000	One Time	5					74,000
Snowmaking Transformer	16,000	One Time	5					16,000
Total Electric Replacement Expense	3,020,000			350,500	1,290,000	1,263,500	10,000	106,000
Total Electric Capital Expense	5,720,000			550,500	2,540,000	2,513,500	10,000	106,000

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1-5 1=Critical					
Propane Tank, 30,000 gallon (3/4 of cost)	225,000	When peak use is ≥ 7,500 gal/day	3			225,000		
Tank Protection/ Security (3/8 of cost)	11,250	One Time	5					11,250
Total Propane Capacity Expense	236,250			0	0	225,000	0	11,250
Replacement Component								
Install Curbstops	12,500	Annual	1	2,500	2,500	2,500	2,500	2,500
Meter Replacment (Commercial)	35,000	10% a year	1	7,000	7,000	7,000	7,000	7,000
Meter Replacment (Residential)	35,000	10% a year	1	7,000	7,000	7,000	7,000	7,000
Propane Tank Shed - Lava Rock and WWTP	3,500	One Time	1	3,500				
Propane Tank, Valve Replacement	10,000	One Time	1	10,000				
Service Truck (Split with Electric)	30,000	Ten Years	1	30,000				
1.25" Poly tools	1,200	Ten Years	2		1,200			
Air Line Replacement	3,000	One Time	3			3,000		
Leak Survey	10,000	Five Years	3			10,000		
Propane Tank, 30,000 gallon (1/4 of cost)	75,000	One Time	3			75,000		
Tank Protection/ Security (5/8 of cost)	18,750	One Time	5					18,750
Total Propane Replacement Expense	233,950			60,000	17,700	104,500	16,500	35,250
Total Propane Capital Expense	470,200			60,000	17,700	329,500	16,500	46,500

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]								
Total Snow Removal Capacity Expense	0			0	0	0	0	0
Replacement Component								
416C Tires	1,400	Nine Years	1	1,400				
950 16' Blade	18,500	One Time		18,500				
950 Loader	228,583	15 Years	1	75,838	40,732	40,732	40,732	30,549
Flamable Storage Cabinet	1,400	One Time	1	1,400				
Loader Chains	25,000	Annual	1	5,000	5,000	5,000	5,000	5,000
Trackless Chains	20,000	Annual	1	4,000	4,000	4,000	4,000	4,000
Trackless Tires	4,500	Two Years	1	1,500		1,500		1,500
950F Motor Replacement / Svc	20,000	Three Years	2		10,000			10,000
Exhaust Fan/Ducting for Shop	10,000	One Time	2		10,000			
Loader Chain Rack	8,000	One Time	2	8,000				
Material Handling Unit	5,000	One Time	2		5,000			
Vehicle Tires	6,000	Five Years	3	3,000		3,000		
Trackless	150,000	As Equipment is Retired	4				150,000	
RPM Rebuild	17,100	Five Years	5					17,100
Total Snow Removal Replacement Expense	515,483			118,638	74,732	54,232	199,732	68,149
Total Snow Removal Capital Expense	515,483			118,638	74,732	54,232	199,732	68,149

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]								
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	6,000	Five Years	2		6,000			
Total Cable Replacement Expense	11,000			1,000	7,000	1,000	1,000	1,000
Total Cable Capital Expense	11,000	0		1,000	7,000	1,000	1,000	1,000

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]								
Total Parks and Rec Capacity Expense	0			0	0	0	0	0
Replacement Component								
Playground Equipment	18,000	Two Years Repair/Ten Years Replace	5	1,500		1,500		15,000
Total Parks and Rec Replacement Expense	18,000			1,500	0	1,500	0	15,000
Total Parks and Rec Capital Expense	18,000			1,500	0	1,500	0	15,000

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]								
Total Solid Waste Capacity Expense	0			0	0	0	0	0
Replacement Component								
Dumpsters	15,000	Two Years	1	5,000		5,000		5,000
Recycling	10,000	Two Years	2		5,000		5,000	
Total Solid Waste Replacement Expense	25,000			5,000	5,000	5,000	5,000	5,000
Total Solid Waste Capital Expense	25,000			5,000	5,000	5,000	5,000	5,000

**Kirkwood Meadows Public Utility District
FY 18/19 Capital Improvement Projects**

Expense	5 Yr Total	Cycle	Priority	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Capacity Component			Scale 1~5 1=Critical					
[No Capital Capacity Improvements]								
Total Operations_Shared Capacity Expense	0			0	0	0	0	0
Replacement Component								
Computer (2)	4,500	Two Years	1	1,500		1,500		1,500
CSB Roof Repair	6,500	One Time	1	6,500				
CSB Windows	5,000	Ten Years	1	5,000				
Fall Protection	2,000	Five Years	1	2,000				
Office Equipment	4,500	Two Years	1	1,500		1,500		1,500
Shoring	7,500	Fifteen Years	1	7,500				
CSB HVAC	10,000	One Time	2	10,000				
Security	15,000	Ten Years	2		5,000	5,000	5,000	
Scaffolding	2,000	Ten Years	3			2,000		
Facilities Network Connectivity	25,000	One Time	4				25,000	
10,000lb Truck/Trackless Lift	8,000	One Time	5					8,000
Total Operations_Shared Replacement Expense	90,000			34,000	5,000	10,000	30,000	11,000
Total Operations_Shared Capital Expense	90,000			34,000	5,000	10,000	30,000	11,000

2016 POWER CONTENT LABEL

Kirkwood Meadows PUD

ENERGY RESOURCES	Power Mix	2016 CA Power Mix**
Eligible Renewable	0%	25%
Biomass & biowaste	0%	2%
Geothermal	0%	4%
Eligible hydroelectric	0%	2%
Solar	0%	8%
Wind	0%	9%
Coal	0%	4%
Large Hydroelectric	0%	10%
Natural Gas	0%	37%
Nuclear	0%	9%
Other	4%	0%
Unspecified sources of power*	96%	15%
TOTAL	100%	100%

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

** Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the identified year.

For specific information about this electricity product, contact:

Kirkwood Meadows PUD

209-258-4444

For general information about the Power Content Label, contact the California Energy Commission at:

California Energy Commission

844-421-6229

<http://www.energy.ca.gov/pcl/>

Kirkwood Meadows Public Utility District
Planning Committee
FUTURE TOPIC ATTACHMENT

1. Will Serve Updates (April 2018)
2. Employee Housing Ordinance & In-Lieu Fee
3. Loop Road School Site
4. Vail High Voltage Line Replacement Project
5. Storm Drain Contract Services
6. Electric Vehicle Charging Stations
 - i. Tesla Aspect
 - ii. Funding
 - a. Grant/Loan Options
7. Remote Cameras – Out Valley Towers
8. Sheriff Substation
9. Grant Updates (As They Occur)
10. Economic Development Topics (If Referred)
- 11.