

Arrowbear Park County Water District

ANNUAL MASTER PLAN MEETING OF THE BOARD OF DIRECTORS

AGENDA

DATE: April 09, 2024

TIME: 1:00 pm Open Session

APCWD BOARD OF DIRECTORS
P.O. Box 4045
Arrowbear Park, CA 92382-4045

POSTING: This agenda was
posted prior to 5:00 p.m. on
April 05, 2024 per Policy #5020.40

MEETING LOCATION
Arrowbear Park County Water District Office
2365 Fir Drive
Arrowbear Lake, CA 92382

OPEN SESSION

- A. CALL TO ORDER – Paul Miller, Master Plan Committee Chair
- B. PLEDGE OF ALLEGIANCE TO THE FLAG
- C. AGENDA POSTING CERTIFICATION
- D. ROLL CALL
- E. PUBLIC COMMENT

This portion of the agenda is reserved for the public to discuss matters of interest, within the District's jurisdiction, which are *not on the agenda*. For public comment on items not on the agenda, no action may be taken by the Board, except to refer the matter to staff and/or place it on a future agenda. It is in the best interest of the person speaking to the Board to be concise and to the point. *A time limit of five minutes per individual will be allowed.* Visitors are reminded to please refrain from making comments or talking amongst themselves while the meeting is in progress. Public comments may be made when a Discussion/Action Item is being discussed, provided the visitor raises their hand *and* are recognized by the Committee Chair.

F. DISCUSSION ITEMS

A) Chief Lindley

1. Review of Fire Department Master Plan Projects/Equipment in Current Year Budget FY 2023-2024.
2. Discussion of Fire Department Master Plan Expenditures needed for balance of FY 2023-2024.
3. Discussion of Fire Department Master Plan Projects/Equipment in FY 2024-2025 Budget.

4. Discussion of Fire Department Projects/Equipment to be budgeted in future budgets relative to Master Plan.

B) General Manager Magaña

1. Review of Master Plan Projects/Equipment in Current Year Budget FY 2023-2024.
2. Discussion of Master Plan Expenditures needed for balance of FY 2023-2024.
3. Discussion of Master Plan Projects/Equipment in FY 2024-2025 Budget.
4. Discussion of Projects/Equipment to be budgeted in future budgets relative to Master Plan.

G. **ANNOUNCEMENTS**

A) Chair

B) Board Members

C) Staff

The next Regular Board Meeting will be April 17, 2024 at 6:00 p.m.

ADJOURNMENT

Upon request, this agenda will be made available in appropriate alternative formats to persons with disabilities, as required by Section 202 of the Americans with Disabilities Act of 1990. Any person with a disability who requires a modification or accommodation in order to participate in a meeting should direct such request to Caroline Rimmer, Board Secretary at (909) 867-2704 at least 48 hours before the meeting, if possible.

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 in the District's office located at 2365 Fir Dr., Arrowbear Lake, during normal business hours.

Arrowbear Park County Water District
Statement of Revenues and Expenditures - Current Year MP
From 7/1/2023 Through 6/30/2024

		Current Period Actual	Current Year Actual	Total Budget \$	Total Budget \$ Variance	Percent Total Budget Remaining	
	Master Plan Expenses						
1	Water						
8005	Replacement Facilities						
	Pump Sta Fence	0073	28.28	28.28	0.00	(28.28)	0.00%
8010	Replacement Equipment						
	Tractor Forklifts	0064	0.00	0.00	1,300.00	1,300.00	100.00%
	PortaJohn	0065	6.44	6.44	1,820.00	1,813.56	99.65%
	Snowblower	0066	300.00	300.00	0.00	(300.00)	0.00%
	23-24 Main Repl Equip	0072	2,250.00	2,250.00	0.00	(2,250.00)	0.00%
	Hydrant Testing Equip.	0076	3,462.00	3,462.00	0.00	(3,462.00)	0.00%
8015	Replacement System						
	Hwy 18 Pipeline	0059	11,227.50	11,227.50	301,090.74	289,863.24	96.27%
	Encina Dr.	0060	0.00	0.00	13,358.00	13,358.00	100.00%
	Pine Ridge	0062	0.00	0.00	18,500.00	18,500.00	100.00%
8020	Replacement Capital Improvement						
	Pump Sta Fence	0073	853.90	853.90	0.00	(853.90)	0.00%
	Water Equip. Lease	0075	27,833.31	27,833.31	0.00	(27,833.31)	0.00%
2	Sewer						
8010	Replacement Equipment						
	Tractor Forklifts	0064	0.00	0.00	700.00	700.00	100.00%
	PortaJohn	0065	4.30	4.30	980.00	975.70	99.56%
	Snowblower	0066	200.00	200.00	0.00	(200.00)	0.00%
8020	Replacement Capital Improvement						
	RS Treatment Plant	0044	71,376.00	71,376.00	123,370.00	51,994.00	42.14%
	Sewer Equip. Lease	0074	41,749.97	41,749.97	0.00	(41,749.97)	0.00%
3	Fire						
8000	Replacement Vehicles						
	2016 Engine Lease Payments	0003	48,528.01	48,528.01	48,528.01	0.00	0.00%
	Brush Patrol Bed/Box	0077	43,352.64	43,352.64	0.00	(43,352.64)	0.00%
8005	Replacement Facilities						
	Station Modifications	0063	9,297.94	9,297.94	9,000.00	(297.94)	(3.31)%
8010	Replacement Equipment						
	No Project Related	0000	245.65	245.65	0.00	(245.65)	0.00%
	Turnouts	0012	3,979.21	3,979.21	9,000.00	5,020.79	55.79%
	Radios	0013	0.00	0.00	35,000.00	35,000.00	100.00%
8020	Replacement Capital Improvement						
	Radios	0013	11,990.16	11,990.16	0.00	(11,990.16)	0.00%
	Station Modifications	0063	6,885.51	6,885.51	0.00	(6,885.51)	0.00%
	Total Master Plan Expenses		<u>283,570.82</u>	<u>283,570.82</u>	<u>562,646.75</u>	<u>279,075.93</u>	<u>49.60%</u>

Unrestricted Balances as of 7/1/2023

(with FY 23-24 allocations deducted)

UNRESTRICTED NET ASSET ACCOUNTS				WATER	SEWER	FIRE	DISTRICT		
3100	W	Unrestricted Replacement	Vehicles	Water	\$ -			\$ -	
	S	Unrestricted Replacement	Vehicles	Sewer		\$ -		\$ -	
	F	Unrestricted Replacement	Vehicles	Fire			\$ 1,929.28	\$ 1,929.28	
3110	W	Unrestricted Replacement	Facilities	Water	\$ -			\$ -	
	S	Unrestricted Replacement	Facilities	Sewer		\$ -		\$ -	
	F	Unrestricted Replacement	Facilities	Fire			\$ 11,565.17	\$ 11,565.17	
3118	W	Unrestricted Replacement	Equipment	Water	\$ 528.28			\$ 528.28	
	S	Unrestricted Replacement	Equipment	Sewer		\$ 2,536.81		\$ 2,536.81	
	F	Unrestricted Replacement	Equipment	Fire			\$ 18,229.57	\$ 18,229.57	
3120	W	Unrestricted Replacement	System	Water	\$ 34,983.85			\$ 34,983.85	
	S	Unrestricted Replacement	System	Sewer		\$ -		\$ -	
	F	Unrestricted Replacement	System	Fire			\$ -	\$ -	
3125	W	Unrestricted Reserve		Water	\$ -			\$ -	Target (25% AOE) \$ 378,208.18
	S	Unrestricted Reserve		Sewer		\$ -		\$ -	TOTAL RESERVE \$ 322,125.42
	F	Unrestricted Reserve		Fire			\$ 139,371.76	\$ 139,371.76	SURPLUS(DEFICIT) \$ (53,079.76)
3130	W	Unrestricted General Fund		Water	\$ -			\$ -	
	S	Unrestricted General Fund		Sewer		\$ 74,167.38		\$ 74,167.38	
	F	Unrestricted General Fund		Fire			\$ 108,588.28	\$ 108,588.28	
3135	W	Unrestricted Unfunded Liabilities		Water	\$ -			\$ -	
	S	Unrestricted Unfunded Liabilities		Sewer		\$ -		\$ -	
	F	Unrestricted Unfunded Liabilities		Fire			\$ 11,967.08	\$ 11,967.08	
3140	W	Unrestricted Capital Improvement		Water	\$ -			\$ -	
	S	Unrestricted Capital Improvement		Sewer		\$ 141,995.51		\$ 141,995.51	
	F	Unrestricted Capital Improvement		Fire			\$ -	\$ -	
UNRESTRICTED TOTALS					\$ 38,512.13	\$ 218,699.70	\$ 291,689.12	\$ 645,900.95	
					6.5%	40.1%	63.4%		

Arrowbear Park County Water District

FY 2024-2025 MASTER PLAN

Water

Main Projects

Hwy 18 (from Arrowbear Dr. to Upper Boulder)

- Engineer Services of \$163,944 (\$136,620 fee schedule plus estimated \$27,324 for contingency on potential contractor increases from 2021 estimates).
- \$34,000 (of \$40,000 budgeted) for engineering prep work spent in FY 21-22
- \$45,000 to complete engineering and prepare bid package in FY 22-23.
- Approximately \$500,000 for project to be done spring/summer 2024 (FY 22-23/23-24).
- Current estimate for construction only is \$720,000 (Engineer services separate).

Pine Ridge (behind fire station) - Will be in progress (\$ budgeted for in FY 22-23 \$18,500) - Will complete after Highway 18 Project.

Sewer

RS Treatment Plant CIP – Our portion of their CIP budget estimate for FY 24-25 is \$168,922. (May change depending how much RSWD actually performs.)

Facilities & Equipment

Replace 2006 Ford Ranger service truck - Est. \$32,000. Can stretch useful life a couple of years. Instead of replacing Ranger will absorb Fire F350 for Sewer Truck to pull jetter/hold Cube.

Replace Office Computers - G.M. and Service Desk Computers along with 4-TP NAS Drivers for Hard Drives (Mainframe). Estimated cost - \$4,487.53. Already replaced Admin Secretary Computer and Front Office Computer due to equipment failure and over 10 years old.

District / Water-Sewer Potential Projects/Equipment for Consideration

Additional Shop Building – Est. \$130,000 - \$170,000, Kadtec has completed plans, we have not pushed for estimates from contractors due to lower priority of project.

Additional Facilities Security - \$? Fencing at Well #4. Security Cameras at Fire Station, Office, Warehouse, Well #2 & #4, Sewer Lift Station, CLAWA Pump Station, Tanks. Could install Ring Cameras instead. Would need WIFI at warehouse for Ring Cameras to work.

Paving - Sewer Lift Station - Est. \$19,000, Well #2 driveway/yard (w/ material bins) - Est. \$44,000, Warehouse yard - Est. \$26,000.

Arrowbear Park County Water District

FY 2024-2025 MASTER PLAN

Fire

Engine 271 – \$48,528 Lease Payment (payment #9 of 10).

Fire Department Potential Projects/Equipment for Consideration

Modify station kitchen - appliances upgrade.

Station lockers and PPE lockers.

Two wireless activated flashing red light signs, one north and one south of station on Hwy 18 at approx. 50 yards from station which can be activated by remote control on Engines to stop traffic for egress. This can be a safety issue due to blind curves in both directions. Cal Trans is in agreement as to need.

Replacement of Ford Expedition (Chief Command Vehicle), due to repairs. - up to \$50,000

Transfer F-350 to water/sewer, keep current Command Vehicle for BC/response vehicle, and purchase new/used Command Vehicle.

PM Maintenance for Brush Engine 271 regarding pump, normal wear and tear, etc. - Estimated costs of repairs up to \$21,000.

Future Needs

2-4 Years

Replacement of Squad Vehicle.

Paint fire station exterior.

5-10 Years

Turn out replacement (approx. \$3000 each):
10 expire in 2028.

Replacement of 10 BA bottles, due to being out-of-date.

MASTER PLAN ASSET LIST - PROJECTED REPLACEMENT COSTS

Dept.	Asset	Type/Model	Year Purch	Age	Est. Life	Purchase \$	Yrs to Repl.	Est. \$ at Repl.	Notes / Upgrade	Cost Infl.	2%	Current Year	2024
D	Air Compressor	Sullivan- Palatek D185	2015	9	20	\$ 23,547	11	\$ 34,303					
D	Air Compressor	Industrial Air 1.9HP 30GAL	2019	5	20	\$ 632	15	\$ 997					
D	Compactor	Wacker BS 700	2000	24	20	\$ 1,500	-4		Out of Service/Replaced/Backup				
D	Compactor	Wacker/Neuson BS 60-4A	2017	7	15	\$ 2,800	8	\$ 3,844					
D	Dump Truck	Chevy C65	2000	49	15	\$ 6,475	-34		Out of Service/Replaced/Backup				
D	Dump Truck	Ford F-650	2017	7	15	\$ 85,500	8	\$ 117,373					
D	GM Vehicle	Ford Escape	2014	10	15	\$ 26,123	5	\$ 33,793					
D	Field Op Supv. Vehicle	Ford F-250	2014	10	15	\$ 25,922	5	\$ 33,533					
D	Service Truck	Ford Ranger	2006	17	15	\$ 18,150	-2	\$ 21,265	Can stretch useful life a couple of years.				
D	Service Truck	Ford F-150	2018	6	15	\$ 26,000	9	\$ 36,406					
D	Generator - Office	Generac 16kW	2021	3	20	\$ 9,385	17	\$ 15,397					
D	Generator - Office	EDL 6500S	1999	25	20	\$ 4,300	-5		Out of Service/Replaced/Backup				
D	Generator - Med. Portable	Coleman 6250	2003	21	20	\$ 500	-1	\$ 586					
D	Generator - Sm. Portable	Honda EU 1000i	2020	4	15	\$ 900	11	\$ 1,311					
D	Jack Hammer	Ingersoll-Rand BR40	1990	34	20	\$ 1,000	-14	\$ 1,172					
D	Street Saw	Husqvarna	2014	10	15	\$ 3,868	5	\$ 5,004					
D	Tractor	Case 580 Super M	2007	17	20	\$ 78,000	3	\$ 96,983					
D	Trailer	Big Tex Utility	2014	2	20	\$ 2,495	18	\$ 3,563					
W	Boring Tool	Ditchwitch	2014	10	15	\$ 3,814	5	\$ 4,934					
W	Leak Detector	Heath	1999	25	15	\$ 1,500	-10		Out of Service/Replaced/Backup				
W	Leak Detector Pkg.	Fisher XLT-30/ Geophone	2019	5	15	\$ 3,300	10	\$ 4,713					
W	CL2 System	Clortec	2010	14	12	\$ 9,000	-2		Out of Service - Less expensive to use liquid chlorine				
W	Clawa Pumping station	Munro	2008	16	40	\$ 39,358	24	\$ 74,172					
W	Generator - Whse	MQ DCA-85	2004	20	20	\$ 34,000	0	\$ 39,836	Recommend Upgrading to a larger generator to be able to power Well #2				
W	Skidsteer	Case	2023	1	21	\$ 76,785	20	\$ 133,685					
W	Broom Attachment- skidsteer		2023	1	7	\$ 11,219	6	\$ 14,803					
W	Grinder Attachment- skidsteer		2023	1	11	\$ 11,000	10	\$ 15,711					
W	Asphalt Roller - skidsteer		2023	1	11	\$ 8,000	10	\$ 11,426					
W	Muscox- snow blower attach.		2023	1	21	\$ 18,262	20	\$ 31,795					
W	Dust control kit - Skidsteer		2023	1	7	\$ 2,722	6	\$ 3,592					
W	Dewatering Large Pump	Honda WT20X	2011	13	10	\$ 1,800	-3	\$ 2,109					
W	Dewatering Small Pump	Honda WT10X	2019	5	10	\$ 450	5	\$ 582					
W	Uranium Treatment Plant 1	Industrial Water	1989	35	40	\$ 66,135	5	\$ 85,553					
W	Uranium Treatment Plant 2	Adedge	2012	12	40	\$ 112,657	28	\$ 229,807					
W	Resin Replacement A+B		1989	27	30	\$ 65,000	3	\$ 68,979					

MASTER PLAN ASSET LIST - PROJECTED REPLACEMENT COSTS

Dept.	Asset	Type/Model	Year Purch	Age	Est. Life	Purchase \$	Yrs to Repl.	Est. \$ at Repl.	Notes / Upgrade	Cost Infl.	2%	Current Year	2024
W	Resin Replacement C+D		2010	6	30	\$ 65,000	24	\$ 104,548					
W	Water Tank 1	Tank # 1 (47,000 Gal.)	1954	70	80	\$ 52,000	10	\$ 74,269	Recommend replacing Tank #1 & Tank #2 with a new 150000 Gal. tank				
W	Water Tank 2	Tank # 2 (37,000 Gal.)	1963	61	80	\$ 43,000	19	\$ 73,396					
W	Water Tank 3	Tank # 3 (150,000 Gal.)	1996	28	80	\$ 150,000	52	\$ 492,155					
W	Water Tank 4	Tank # 4 (150,00 Gal.)	1977	47	80	\$ 150,000	33	\$ 337,830					
W	Well 4 Cleaning		2000	24	30	\$ 6,200		\$ 7,264					
W	Well Level Controller		2021	3	15	\$ 84,402	12	\$ 125,417					
W	Well Pump 1 (20 HP)	Pump # 1	1997	27	10	\$ 4,603	-17	\$ 5,394	Replaced as needed - Not on time frame				
W	Well Pump 2 (25 HP)	Pump # 2	2012	12	10	\$ 10,500	-2	\$ 12,302	Replaced as needed - Not on time frame				
W	Well Pump 3 (20 HP)	Pump # 3	2009	15	10	\$ 8,000	-5	\$ 9,373	Replaced as needed - Not on time frame				
W	Well Pump 4 (7.5 HP)	Pump # 4	2009	15	10	\$ 5,754	-5	\$ 6,741	Replaced as needed - Not on time frame				
W	Well Pump 5 (7.5 HP)	Pump # 5	2003	21	10	\$ 5,000	-11	\$ 5,858	Replaced as needed - Not on time frame				
W	1981 Pipeline (850')	6" ACP	1981	43	70	\$ 25,000	27	\$ 49,997					
W	1984 Pipeline (2000')	8", 1/2" ACP	1984	40	70	\$ 75,000	30	\$ 159,172					
W	1985 Pipeline (385')	6" ACP	1981	43	70	\$ 16,000	27	\$ 31,998					
W	1987 Pipeline (220')	6" ACP	1987	37	70	\$ 8,000	33	\$ 18,018					
W	1990 Pipeline (874')	6" ACP	1990	34	70	\$ 28,400	36	\$ 67,878					
W	1991 Pipeline (13859')	6"/8" PVC	1991	33	70	\$ 777,000	37	\$ 1,894,213					
W	2005 Pipeline (770')	8" PVC	2005	19	70	\$ 80,900	51	\$ 260,231					
W	2015-2018 Pipeline (4720')	6/8" PVC	2018	6	70	\$ 418,155	64	\$ 1,740,002					
W	2019-2021 Pipeline (3707')	6/8" PVC	2021	3	70	\$ 352,423	67	\$ 1,556,242					
W	Hwy Pipeline (1600')	2" Steel	1956	68	70	\$ 450,000	2	\$ 548,547					
W	Original Pipeline (10930')	2" Steel	1956	68	70	\$ 970,000	2	\$ 1,182,425					
S	Sewer Collection System (63,360')	8" PVC	1977	47	70	\$ 3,000,000	23	\$ 5,542,766	Repaired/Replaced as needed - Not on time frame				
S	Generator - Sewer Lift Sta.	MQ DCA-70	2004	20	20	\$ 30,000	0	\$ 35,150					
S	Lift Station Controller		2019	5	15	\$ 40,000	10	\$ 57,130					
S	Lift Station Pump #1 (25 HP)	Hydromatic	1998	26	20	\$ 5,000	-6	\$ 5,858	Replaced as needed - Not on time frame				
S	Lift Station Pump #2 (25 HP)	Hydromatic	2016	8	20	\$ 5,436	12	\$ 8,078	Replaced as needed - Not on time frame				
S	Lift Station Pump BU (25 HP)	Hydromatic	2016	8	20	\$ 9,500	12	\$ 14,117	Replaced as needed - Not on time frame				
S	Sewer Jetter	O'Brien 3510/3818	2003	21	20	\$ 11,500	-1	\$ 13,474	Recommend upgrade to O'Brien 3818 2016 Est \$63,000 or O'Brien JVLVT \$165,000				
S	New Sewer Jetter		2023	1	21	\$ 87,889	20	\$ 153,017					
S	Camera Equipment - CUBE		2023	1	21	\$ 107,944	20	\$ 187,933					
S	Trash Pump	Honda WT30X	1990	34	10	\$ 1,000	-24	\$ 1,172					
F	Command Unit	Ford Expedition	2012	12	25	\$ 55,000	13	\$ 83,362					
F	Engine 271	KME Type I	2016	8	30	\$ 450,000	22	\$ 815,113					
F	Engine 271A	Seagrave Type I	2011	13	40	\$ 450,000	27	\$ 899,950					
F	Brush Engine		2023	27	10	\$ 38,499	-17	\$ 45,108					
F	Rescue Squad	Ford F-550	2004	20	25	\$ 65,000	5	\$ 84,084					

MASTER PLAN ASSET LIST - PROJECTED REPLACEMENT COSTS

Dept.	Asset	Type/Model	Year Purch	Age	Est. Life	Purchase \$	Yrs to Repl.	Est. \$ at Repl.	Notes / Upgrade	Cost Infl.	2%	Current Year	2024
F	Station Generator	Kohler	2012	12	25	\$ 40,000	13	\$ 60,627					
F	Water Tender	Ford F-750	2006	18	25	\$ 130,000	7	\$ 174,963					
					TOTALS	\$ 9,094,203.22		\$ 18,072,396					

Master Plan - 2" Main Replacement Priorities/Estimates

Priority	Project/Street	Estimated Cost Contracted	Estimated/Act. Cost Done In-House	# of Feet	# of Services	Current Fire Flow	Current Age (in years)	Repair Frequency*	Current Size	Upgrade Size	Current # of Hydr.	Upgrade # of Hydr
1	Donner Lane	\$ 160,000.00	\$ 108,969.00	800	16	Poor	60	Frequent	2" STL	6" PVC	0	1
2	Falling Leaf	\$ 184,000.00	\$ 77,371.00	920	10	Poor	60	Frequent	2" STL	6" PVC	0	2
3	Tie in Badger to Deep Creek (will upgrade 2 hyd)	\$ 60,000.00	\$ 40,107.00	300	2	Fair	60	Moderate	2" STL	8" PVC	0	1
4	Keater	\$ 90,800.00	\$ 52,836.00	454	7	Fair	60	Rare	2" STL	8" PVC	0	2
5	Porcupine (Deep Creek to Fox) (will upgrade 2 hyd)	\$ 97,400.00	\$ 68,273.00	487	9	Poor	60	Moderate	2" STL	8" PVC	0	1
6	Richmond	\$ 118,000.00	\$ 64,926.00	590	18	Poor	60	Frequent	2" STL	6" PVC	0	2
7	Truman (Hwy 18 to Porcupine)	\$ 211,000.00	\$ 112,041.00	844	12	Poor	60	Moderate	2" STL	8" PVC	0	1
8	Cougar Lane (Truman to Fox)	\$ 81,250.00	\$ 65,256.00	325	7	Poor	60	Moderate	2" STL	8" PVC	0	1
9	Fox Lane	\$ 102,500.00	\$ 73,873.00	410	6	Poor	60	Moderate	2" STL	8" PVC	0	1
10	Chipmunk Lane	\$ 140,000.00	\$ 74,069.65	560	17	Fair	60	Rare	2" STL	6" PVC	0	others in area
11	Squirrel Lane	\$ 313,750.00	\$ 149,028.00	1255	31	Fair	60	Frequent	2" STL	6" PVC	0	2
12	Cougar Lane (Fox to Evergreen)	\$ 85,000.00	\$ 48,281.12	340	6	Poor	60	Moderate	2" STL	8" PVC	0	2
13	Evergreen (Powers to Cougar)	\$ 162,000.00	\$ 80,681.52	540	8	Poor	60	Rare	2" STL	8" PVC	0	2
14	Deer Lick Loop	\$ 180,600.00	\$ 87,739.30	602	12	Fair	60	Rare	2" STL	6" PVC	1	2
15	Willow Ln area	\$ 81,300.00	\$ 29,839.03	271	4	Fair	60	Rare	2" STL	6" PVC	0	1
16	Encina Drive (will upgrade 2 hyd)(add stand pipe)	\$ 139,200.00	\$ 33,340.00	464	10	Poor	60	Moderate	2" STL	6" PVC	1	1
17	Fire Station/Pine Ridge (can do with Crescent #20)	\$ 46,500.00	\$ 18,500.00	155	2	Poor	60	Rare	2" STL	6" PVC	0	1
*	Hwy 18 from Upper Boulder to Arrowbear Dr	\$ 570,000.00	\$ 570,000.00	1135	4	Poor	60	Moderate	2" STL	8" PVC	1	2
*	Powers from Hwy 18 to Evergreen	\$ 93,000.00	\$ 93,000.00	465	(2) 2" svc.	Poor	60	Moderate	2" STL	8" PVC	0	1
18	Arrowbear (from bridge to Hwy.)	\$ 201,250.00	\$ 63,800.00	575	3	Poor	60	Moderate	2" STL	8" PVC	0	0
19	Forrest (behind Blondies)	\$ 126,000.00	\$ 40,220.00	360	0	Good	60	Rare	2" STL	6" PVC	0	1
20	Crescent (can combine with Pine Ridge #17)	\$ 117,950.00	\$ 38,200.00	337	9	Poor	60	Rare	2" STL	8" PVC	1	1
21	Dove	\$ 81,200.00	\$ 24,500.00	232	4	Poor	60	Rare	2" STL	6" PVC	0	0
22	Cougar Lane (Evergreen to End)	\$ 270,200.00	\$ 87,577.00	772	20	Poor	60	Moderate	2" STL	6" PVC	0	2
23	Scola	\$ 263,550.00	\$ 80,979.00	753	11	Poor	60	Frequent	2" STL	6" PVC	0	2
24	Independence	\$ 408,000.00	\$ 121,273.00	1020	31	Fair	60	Frequent	2" STL	6" PVC	0	2
25	Ridge (Donner to Arrowbear)	\$ 356,000.00	\$ 109,190.00	890	18	Poor	60	Moderate	2" STL	6" PVC	0	3
26	Ridge (Arrowbear to Oak)	\$ 220,000.00	\$ 51,772.00	550	17	Good	60	Rare	2" STL	6" PVC	0	others in area
27	Oak (Arrowbear to Birch and easement)	\$ 348,000.00	\$ 103,580.00	870	28	Fair	60	Moderate	2" STL	8" PVC	0	3
28	Keller (Oak To Ridge)	\$ 220,400.00	\$ 64,005.00	551	18	Poor	60	Rare	2" STL	6" PVC	1	1
29	Lakeview Dr (Spruce to Pine)	\$ 180,800.00	\$ 43,987.00	452	5	Good	60	Rare	2" STL	6" PVC	0	others in area
30	Lookout & Tie-in Birch	\$ 212,000.00	\$ 67,025.00	530	11	Good	60	Rare	2" STL	6" PVC	0	1
31	Garlock & Bear (M.C. to Sierra View)	\$ 312,000.00	\$ 87,440.00	780	16	Fair	60	Rare	2" STL	6" PVC	0	2
32	Hwy 18 (Arrowbear to Deerlick)	\$ 278,800.00	\$ 54,717.00	697	9	Poor	60	Rare	2" STL	8" PVC	1	2
33	Upper Lakeview	\$ 72,400.00	\$ 22,604.00	181	3	Poor	60	Rare	2" STL	6" PVC	0	1
34	Woodland Court	\$ 72,800.00	\$ 22,677.00	182	3	Good	60	Rare	2" STL	6" PVC	0	others in area

Master Plan - 2" Main Replacement Priorities/Estimates

Priority	Project/Street	Estimated Cost Contracted	Estimated/Act. Cost Done In-House	# of Feet	# of Services	Current Fire Flow	Current Age (in years)	Repair Frequency*	Current Size	Upgrade Size	Current # of Hydr.	Upgrade # of Hydr	
35	Conway	\$ 124,400.00	\$ 17,494.00	311	3	Fair	60	Rare	2" STL	6" PVC	0	STND PIPE	
TOTALS		\$ 6,782,050.00	\$ 2,949,170.62	20960	Total Feet						Hydrants	6	47
		(Est. @\$200/ft.)	(First 35 Projects)	699	DAYS @ 30'/day						Current Total	86	
				10.0	YEARS @ 70 days/year (Jun - Sep 60%)						After Project Total	133	

* Projects would need to be contracted due to Hwy 18.

** Projects 18-21 need be done after Hwy 18 Projects are completed.

FY 14-15	\$ 186,340.00	1720	26	1
FY 15-16	\$ 92,943.00	754	9	2
FY 16-17	\$ 133,199.00	1077	27	3
FY 17-18	\$ 177,297.00	1169	19	4
FY 18-19	\$ 147,942.65	970	23	5
FY 19-20	\$ 197,309.12	1595	37	6
FY 20-21	\$ 168,420.82	1142	20	7
FY 21-22	\$ 81,679.03	619	12	8
FY 22-23	\$ 663,000.00	1600	6	9
FY 23-24	\$ -			10
FY 24-25	\$ 166,720.00	1504	16	11
FY 25-26	\$ 168,556.00	1525	31	12
FY 26-27	\$ 230,463.00	1910	49	13
FY 27-28	\$ 155,352.00	1420	45	14
FY 28-29	\$ 107,992.00	1003	23	15
FY 29-30	\$ 154,465.00	1310	27	16

***Repair Frequency:**
 Frequent (3+ per year)
 Moderate (1-2 per year)
 Rare (0-1 per year)

Wastewater Treatment Division 5-Year CIP Plan

Project Description	2024	2025	2026	2027	2028	TOTAL
MBR 1 Lower Cassette Replacement	\$ 200,000					\$ 200,000
Upgrade Rag & Grit Removal System at Headworks		\$ 300,000				\$ 300,000
Mixer & Submersible Pump Replacement	\$ 50,000	\$ 60,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 170,000
MBR Blower VFD repairs	\$ 10,000					\$ 10,000
MCC Replacement Buckets	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 25,000
WWTP Road Replacement		\$ 400,000				\$ 400,000
Upgrade, R&R Treatment PLC processor		\$ 40,000				\$ 40,000
Replacement of Disposal Ponds Piping, Valve Structures & SCADA		\$ 85,000	\$ 150,000			\$ 235,000
Wheel Loader Replacement			\$ 275,000			\$ 275,000
Utility Truck Unit 80 Replacement				\$ 40,000		\$ 40,000
Utility Truck Unit 85 Replacement					\$ 40,000	\$ 40,000
Generator & ATS Replacement				\$ 200,000		\$ 200,000
Future Treatment Process Upgrades for RWQCB WDR & USFS				\$ 300,000	\$ 400,000	\$ 700,000
MBR 1 and 2 blower replacement					\$ 200,000	\$ 200,000
Treatment Plant Improvements Subtotal	\$ 265,000	\$ 890,000	\$ 450,000	\$ 565,000	\$ 665,000	\$ 2,835,000
Net Cost to RS Rate Payers (56.5%):	\$ 149,725	\$ 502,850	\$ 254,250	\$ 319,225	\$ 375,725	\$ 1,601,775
Arrowbear Proportionate Share of Capital Improvements (18.98%)	\$ 50,297	\$ 168,922	\$ 14,077	per month		
GVL Proportionate Share of Capital Improvements (25%)	\$ 66,250	\$ 222,500	\$ 112,500	\$ 141,250	\$ 166,250	\$ 708,750