

Project #	Project	Improvement Description	CIP Roll Over	Proposed CIP	Total CIP Budget	2	3	4	5
			2023/24	2024/25	2024/25	2025/26	2026/27	2027/28	2028/29
<b>Facilities and Maintenance Projects</b>									
CIP-3014	Verano Well Tow-Behind Generator	Provided Verano well is producing by fiscal year 2024/2025, this generator will be necessary to maintain consistent system performance during PSPSs and emergencies.	-	-	-	86,458	-	-	-
CIP-3015	Caltrans Project on Hwy 12	Work done by Caltrans affecting District facilities.	50,000	-	50,000	-	-	-	-
CIP-5107	County of Sonoma Paving Projects requiring adjustments and or relocation of District facilities	Work done by the County of Sonoma affecting District facilities on Cherry Avenue and Riverside Drive.	-	-	-	115,278	65,070	66,781	68,538
CIP-6001	New Services	Customer pays 100%.	-	-	-	-	-	-	-
CIP-6004	All Service Replacements	All service replacements combined.	-	59,000	59,000	59,000	59,000	59,000	59,000
CIP-8100	Valve Replacement Program	Valve replacement for system reliability and control.	-	59,000	59,000	59,000	59,000	59,000	59,000
CIP-9300	Meter Replacement Program	Part "roll-over" moving to supported software and shifting from a physical server to cloud based. Remainder is to buy and install one new AMI collector for better system backhaul. The AMI meters will need to be replaced beginning year 7 to stay ahead of battery life expectancy.	-	-	-	-	-	-	300,000
CIP-3047	Seismic Vulnerability Assessment (LHMP)	From LHMP. District to pay 100% of assessment. District will seek FEMA grant funds for resulting projects.	21,758	228,242	250,000	-	-	-	-
CIP-3050	Lead Service Line Inventory	LCRR - Required by federal EPA.	-	73,010	73,010	-	-	-	-
TBD	Replace Vac Truck	The Vac trucks are critical emergency and leak response vehicles. It is important to replace them while they are still very reliable (est. 15 years). It is also suggested that the next replacement be a purpose-built machine, and the District no longer rehabilitate the trailer-style vector units for use on a truck.	-	-	-	-	443,660	-	-
TBD	Small Dump Truck Replacement	Move to Diesel	-	-	-	-	-	-	124,614
TBD	Facility cameras replace all/ same brand		-	-	-	23,056	-	-	-
CIP-3053	Spare Generator purchase	In case of failure in generator (The District operates many older generators that may fail at any time).	-	109,007	109,007	-	-	-	-
CIP-3054	IPMHG Assessment	Assess the value of installing inpipe micro hydro generators at specific locations in the distribution system. This may lead to further engineering and equipment purchases.	-	8,000	8,000	-	-	-	-
CIP-2991	GPS Facilities	Finish GPSing the meters and valves. Assumes \$50 per location.	-	59,000	59,000	59,000	59,000	59,000	-
CIP-3055	District Device upgrade	Equipment upgrades needed to facilitate mobile workorder systems. Includes mounting, software, 3 laptops, 1 desktop, 2 ipads.	-	21,384	21,384	-	-	-	-
CIP-3056	Temelec Area Irrigation service line abandonment	Re-evaluate after first year for future funding.	-	59,000	59,000	-	-	-	-
CIP-3057	1-1/2 & 2" PB service line replacement	Re-evaluate after first year for future funding.	-	59,000	59,000	59,000	-	-	-
CIP-3058	Boardroom Upgrade		-	40,436	40,436	-	-	-	-
TBD	Electric Forklift	6,000 LB capacity with pneumatic tires	-	-	-	-	79,267	-	-
CIP-3059	Roof Repair on Main Office Building	Leaking roof caused framing damage.	-	44,929	44,929	-	-	-	-
CIP-3060	SDC Evaluation	Evaluate water treatment plant and transmission systems for needed upgrades and provide OPC for construction.	-	280,809	280,809	-	-	-	-
TBD	Water Master Plan - Prioritized CIP List	Develop and updated WMP prioritized CIP List	-	151,597	151,597	-	-	-	-
TBD	Placeholder	vehicles/equipment etc.	-	-	-	194,811	228,201	303,552	311,536
<b>Total Facilities and Maintenance Projects</b>			<b>71,758</b>	<b>1,252,415</b>	<b>1,324,173</b>	<b>655,602</b>	<b>993,198</b>	<b>547,334</b>	<b>922,688</b>

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<b>Pipeline Projects</b>									
CIP-3022	WMP: P-7. Altamira Middle School Fire Flow Improvement	Replace existing 6-inch and 8-inch PVC and ACP water mains with new 12-inch PVC water mains along Arnold Drive, replace existing 6-inch pipe with new 8 and 12-inch pipe adjacent to Altamira Middle School, replace 15 existing service connections, and replace three existing fire hydrants.	136,236	-	136,236	1,800,000	1,800,000	-	-
CIP-3023	WMP: P-8. Upper Sobre Vista Fire Flow Improvement	Replace existing 6-inch PVC and HDPE water mains with new 8-inch PVC water mains, and replace two existing fire hydrants.	-	-	-	-	236,619	947,083	-
TBD	Madrone 4" ACP Replacement (NOT IN 2019 WMP)	Replace existing 4-inch ACP water mains with new 8-inch PVC water mains, replace 78 existing service connections, and replace existing fire hydrants in the Madrone/Glenwood area. District to coordinate with Fire Department to determine if additional hydrants are needed. These hydrants would be funded by the Fire Department.	-	-	-	-	-	303,552	1,433,063
TBD	Orleander Hill - Steel Pipe	Replace or abandon steel pipe.	-	-	-	-	59,000	-	-
TBD	Richards - Steel Pipe	Replace or abandon steel pipe.	-	-	-	-	-	59,000	-
TBD	Carmel - Steel Pipe	Replace or abandon steel pipe.	-	-	-	-	-	-	59,000
<b>Total Pipeline Projects</b>			<b>136,236</b>	<b>-</b>	<b>136,236</b>	<b>1,800,000</b>	<b>2,095,619</b>	<b>1,309,635</b>	<b>1,492,063</b>

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<b>Wells, Pumping, &amp; Supply</b>									
CIP-2987-1	Chestnut Exploratory Well. Drill & Develop production well.	Develop a minimum 100gpm District owned Well. Phase 1, Rolling over funds from FY23/24 for engineering of the final production well. If funded starting FY25/26.	-	-	-	600,000	76,760	76,760	76,760
CIP-2987-2	Chestnut Exploratory Well. Outfit and add treatment system.	Develop a minimum 100gpm District owned Well. Phase 2	-	-	-	-	135,640	135,640	135,640
CIP-2989	Redrill Park	Drilled next to & operated with existing well. Develop a minimum 100gpm District owned Well.	575,906	-	575,906	-	-	-	-
CIP- 3027	WMP: P-10. SDC - Glen Ellen Booster	Booster to be installed at SDC to boost water from lower zones into Glen Ellen for fire flow or other needed transfers	-	-	-	-	-	303,552	280,382
CIP-3046	Pump Station Battery Wall	A battery wall would operate the remote site during power outages unless a large power demand occurs (i.e. water pumps are called by SCADA) in which case the existing generator would turn on and supply the needed power. This would reduce the number of fuel deliveries needed in an emergency , increasing the District's staff time to respond to the emergency in other ways (i.e. leak response/system inspections etc.)	43,850	-	43,850	-	-	-	-
CIP-3061	Recommended in Energy Eval report 2024 - Donald well pump replacement	Replace well pump with high efficiency, add VFD, video well, replace column pipe & add sounding tube.	-	77,300	77,300	-	-	-	-
CIP-3062	Recommended in Energy Eval report 2024 - Hannah BPS	Replace both pumps with high efficiency, (In house staff). Includes \$7K for two Badger meters that will allow SCADA and AMI data.	-	32,574	32,574	-	-	-	-
TBD	Recommended in Energy Eval report 2024 - Agua Caliente well pump replacement	Replace well pump with high efficiency, add VFD, video well, replace column pipe & add sounding tube.	-	-	-	-	103,402	-	-
TBD	Replace Generator at AC Booster	This Generator is now 24 years old and is beginning to experience mechanical issues. It is proposed that this generator be replaced with a Blue Star Final Tier 4 generator.	-	-	-	34,583	-	-	-
CIP-3063	Add SCADA to Larbre well	Improve data and controllability.	-	16,849	16,849	-	-	-	-
Placeholder	Future pump replacements	This will result in further projects from the 2024 Energy Evaluation report.	-	-	-	23,056	-	24,284	24,923
<b>Total Wells</b>			<b>619,756</b>	<b>126,722</b>	<b>746,478</b>	<b>657,639</b>	<b>315,802</b>	<b>540,236</b>	<b>517,705</b>
<b>Tanks</b>									
CIP-2986	Richards (Kearney) Tank Site	1 MG Tank at Richards Avenue would increase the system storage capacity and therefore the time available to respond to a water outage from the wholesaler (Sonoma Water). This project also renders WMP: P-9 "Agua Caliente Road Transmission Improvement" unnecessary, saving over \$1 million. Engineering proposed in year 4 with construction beginning in year 5.	-	-	-	-	473,237	242,842	242,842
CIP- 3029	Bolli Tanks Recoating & Railing/Solar Retrofit	Original interior coating is failing. Good time to add the required handrails and add solar mounting brackets. Includes \$50K for two electric water mixers.	-	-	-	1,095,136	-	-	-
CIP- 3031	Temelec 1M Tanks Recoating & Railing	This is the last tank in the system with the old "cold-tar" interior coating. The coating is cracked and no longer providing protection to the steel tank. This is a good time to add the required railing, solar mounting brackets, and new mag rod cathodic protection in both Temelec tanks and Chestnut tank. Includes \$200K for road paving at Temelec.	-	1,185,012	1,185,012	-	-	-	-
CIP-3064	Replace section Sobre Vista 30K roof.		-	16,849	16,849	-	-	-	-
TBD	Tank Cleaning & Inspection	All tanks	-	-	-	-	59,155	-	-
<b>Total Tanks</b>			<b>-</b>	<b>1,201,860</b>	<b>1,201,860</b>	<b>1,095,136</b>	<b>532,392</b>	<b>242,842</b>	<b>242,842</b>
<b>Total</b>			<b>FY 23-24</b>	<b>FY 24-25</b>	<b>FY 24-25</b>	<b>FY 25-26</b>	<b>FY 26-27</b>	<b>FY 27-28</b>	<b>FY 28-29</b>
<b>Total Water System Improvements:</b>			<b>\$ 827,750</b>	<b>\$ 2,580,998</b>	<b>\$ 3,408,748</b>	<b>\$ 4,208,377</b>	<b>\$ 3,937,011</b>	<b>\$ 2,640,046</b>	<b>\$ 3,175,297</b>