

**Engineering Department Project Status Report  
June 30, 2023**

Priority Score	Project No.	Project Name	Description	Status	Comments	Current Year Budget	Budget Years	DIV	PM
<b>CIP Budgeted Projects</b>									
	6971	Alta Sierra Tank Site	Replace the existing Hypalon-covered reservoir with a 3MG storage tank	Construction	Tank has been filled and is in service. Monitoring several small leaks. Meeting with DN Tanks and NV5 to discuss leaks. Contractor on site paving and landscaping.	\$ 489,110	22/23	2	DR
71	2322	David Way Pump Station	Replace the badly deteriorated pump station with separate pumps for domestic demands and fire flows.	Construction	Pump station has been installed on foundation. Remaining underground piping to be installed by Maintenance. PG&E will be contacted for relocating the line and upsizing the voltage.	\$ 100,000	22/23	3	AS
65	7032	Hemphill Diversion Fish Passage	Removal of the existing diversion structure, construction of a rock ramp fish passage, installation of cone screen, site stabilization	Construction	Cone screen and control gate placed in service April 12, 2023. Project substantially completed April 13, 2023. Punchlist walkthrough completed May 9, 2023. Waiting on release of liability from contractor to issue Notice of Completion.	\$ 700,000	22/23	4	TTH
58	2504	Ramp Repairs - Main Office - Admin	Existing ramp is failing and requires extensive reconstruction. Replace ramp to current design standards, add ADA compliant parking and sidewalk	Construction	Demo of ramp completed. Form work and placement of rebar in process. Expect first concrete pour at end of June 2023.	\$ 437,647	22/23	n/a	DR
55	2624	Squirrel Creek Siphon	Replace extremely deteriorated, leaking pipes.	Close-out	Project completed. Punchlist items have been completed. Will be removed from future project status reports	\$ 399,213	22/23	5	AS
71	2645	Combie Ophir Siphons 2 & 3	Design and construct 853 lf of pipeline to replace Orr Creek siphon, 3,292 lf of pipeline to replace Dry Creek siphon and 1,392 lf of pipeline to replace Rock Creek siphon. All siphons require crossing of various creeks, Hwy 49, and hospital property, requiring extensive permitting and CEQA	Planning	Stantec provided a draft Conceptual Analysis Memo for the Alternatives Study for the Rock Creek Siphon replacement. Will begin Environmental review process with ECORP for all three Siphons following award of contract on June 28, 2023. Future work in 2024 includes survey of all three siphons, design for Dry Creek and Orr Creek Siphon, and replacement of the Dry Creek Siphon. 2025 replacement of the Orr Creek Siphon, and in 2026 replacement of the Rock Creek Siphon.	\$ 170,000	2023	4	AS
67	2647	Ramp Repairs - Main Office - Operations	Existing ramp is failing and requires extensive reconstruction. Replace existing ramp and bring it up to current design standards.	Planning	Will begin design in July, 2023.	\$ 13,850	2023	n/a	DR

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61	2409	Maranatha Place DFWLE	Design and construct approximately 3,170 feet of 8-inch treated waterline and three fire hydrants to serve 21 parcels on Maranatha Place. Pavement restoration	Design	Survey to complete plats and legal descriptions by end of June, 2023. Design in plan check, Row to get easements on Pekolee Drive.	\$ 820,000	2023	2	AS
61	2434	Table Meadow III DFWLE	Design and construct approximately 3,300 feet of 8-inch treated waterline and three fire hydrants to serve 21 parcels on Table Meadow Rd. Place. Pavement restoration. Final phase of three.	Construction	Mainline approximately 80% completed. Following will include service lateral extensions, meter installations and hydrants. Completion anticipated by September, 2023.	\$ 800,000	2023	3	AS
61	2643	Ali Lane DFWLE	Design and construct approximately 1,240 feet of 8-inch treated waterline and two fire hydrants to serve 8 parcels on Ali Lane. Pavement restoration	RFQ	Plan check routed for review. Request for quotes to be released first week in July 2023.	\$ 350,000	2023	4	TTH
61	2650	Harris Road DFWLE	Design and construct approximately 3,000 feet of 8-inch treated waterline, 1450 feet of 4" treated waterline, and three fire hydrants to serve 34 parcels on Harris Road. Pavement restoration.	Design	Survey completed. Boundary work in process. Preliminary design in process.	\$ 1,165,765	2023	4	TTH
60	2376	North Auburn Treatment Plant	Rebuild the motor control center for highlift pumps and convert to variable frequency drives.	Pre-Construction	Two bids received May 25, 2023. To Board for approval to award contract to C & D Constructors on July 12, 2023. Electrical items potentially have a year-long backlog.	\$ 1,701,383	22/23	3	AS
57	8262	Lincoln Canal Upgrades	Replace various crossing that are deteriorated and undersized for flows, Modify inlet structures.	Planning	Majority of crossings are related cleaning and/or upsizing culverts. Fowler siphon determined too small; requires upsizing for future flows; survey to complete CAD file, then to design. Replacement planned for fall 2023.	\$ 300,000	2023	4	AS

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57	2602	DS Canal Shotgun Culverts	Replace existing Shotgun culverts with 4' x 8' Box Culvert to allow for higher summer flows.	Design	Encroachment permit is required. Construction planned for Fall 2023. Design related questions to supplier. Pursuing quote from supplier. Will be contacting others.	\$ 230,000	22/23	1	TTH
57	2336	Tarr Diversion Wolf Creek	Replace existing diversion structure with a new concrete structure. Existing diversion structure is deteriorated and needs major repairs.	Planning	Survey request for proposals (RFP) in process.	\$ 180,000	2023	2	TTH
57	2646	Tarr Canal Old Auburn	Encase approximately 6,750 feet of canal with precast concrete box culvert due to numerous leaks.	Planning	Survey request for proposals (RFP) in process.	\$ 1,210,000	2023	1	TTH
55	2182	North Day Road	Existing pipeline has exceeded its life expectancy and is deteriorated. Mainline runs through private property and has been broken by roots and property owners.	Design	Request for construction bids submitted, due July 20, 2023 Construction anticipated end of August 2023.	\$ 870,000	22/23	2	AS
52	2373	Pet Hill Extension	The 4" pipe is maxed at head (Moratorium). Project replaces undersized head gate and pipe. Approximately 800' of canal section.	Planning	Categorical Exemption is anticipated. Pipe has been received. Reviewing easement, it appears that the ditch and the easement do not line up. Working with property owners. Survey working on exhibit of existing easement, facility and potential easement relocation.	O & M	2022	5	TTH
40	6958	Newtown Reservoir	Project will remove approximately 5,900 cubic yards of sediment from reservoir and modification of inlet structure and realignment of bypass piping. Removal of two existing above-ground control valves. And concrete block headwall	Planning	ROW awaiting appraisal for northern side of reservoir. Plats and Legal Descriptions for south side to follow. Construction anticipated to begin by September 2023.	\$ 450,000	2023	1	AS

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<b>CIP Budgeted Projects (Hydro)</b>									
84	2094	Scotts Flat Spillway	Design and replacement of Scotts Flat Spillway	Design	HDR working on developing analysis regarding upper plunge pool to address DSOD concerns. HDR moving forward starting design in lower spillway chute while the upper plunge pool concerns are addressed.	\$ 1,500,000	2023		DR
71	2544	Dutch Flat #2 Powerhouse Cooling Water System	Upgrade the colling water system and integrate this into the BOP PLC. Replace analog gauges with HMI screen, new flowmeters and pressure transmitters, replace piping.	Design	Mechanical and piping system layout complete and manifold is being fabricated. Long lead time materials have been ordered. 90% design has been received and reviewed by Staff. Construction scheduled for 2023.	\$ 300,000	22/23		TTH
70	2483	Dutch Flat #2 Powerhouse Backup Generator	Design and install a new backup generator.	Design	Purchase Order issued for switchgear, 24-36 week lead time. Shop drawings reviewed and approved to proceed with fabrication.	\$ 100,000	2023		TTH
69	2339	Rucker Creek Spillgate	Replace existing radial gate at Rucker Creek Diversion with an overshot gate to improve safety and operational performance	Planning	Internal review complete. Final Plans and Specs will be sent to FERC for approval.	\$ 250,000	22/23		DR
68	2598	Chicago Park Powerhouse RTU Replacement	Chicago Park Powerhouse RTU Replacement: Replace remote terminal unit (RTU) at Chicago Park Powerhouse to eliminate obsolete equipment and improve the District's SCADA communication network.	Design	Board awarded Design contract to Mesa Associates at June 14, 2023 meeting. Contract has been executed with Mesa Associates. A kickoff meeting and project planning will commence in July.	\$ 400,000	22/23		TTH
64	6943	Combie South Powerhouse Access Road	Improve the access road to the Combie South Powerhouse for operations, maintenance, and emergency services. Acquire necessary easements	Pre-Construction	Construction contract with HBE to start in July, 2023. Easements and ROW agreements signed by property owners. RFQ for fire/brush clearing to be sent out.	\$ 250,000	22/23		AS

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**Budgeted Projects (Non-Capital)**

01	2611	Plan for Water Hydrology	Updating the existing unimpaired hydrology and HEC-ResSim reservoir operations model and development of a land-use-based integrated demand model.	Planning	Unimpaired Hydrology, climate data, and demand model continue to be developed.	\$ 800,000	22/23	All	DR
02	n/a	Capacity Fee Study	Development of a comprehensive capacity charge update study designed to recover cost of infrastructure and assets benefitting new development.	Study	Staff gathering documentation for consultant. Meeting with consultant scheduled for May 30, 2023.	\$ 20,000	22/23	All	DR
03	n/a	Water Rate Study	Development of a comprehensive water rate study to evaluate rate alternatives and impacts to support the District's projected operating and capital funding needs.	Study	Contract with consultant signed. Working on a 5-year budget and CIP for consultant	\$ 44,500	2023	All	DR
04	n/a	Lower Cascade Canal-Upper Grass Valley Canal MMRP	Final year of ten year Canopy Cover and Tree Health Assessment for the LCC/UGVC	Study	Consulting Services Agreement executed with Stantec for the final tree health assessment.	\$ 40,000	2023	1	DR
05	2419	South Yuba Canal Repair & Upgrades, Phase 1	Evaluate the condition of the South Yuba Canal system, field testing, geotechnical analyses, developing risk matrix and alternatives for repair or replacement	Study	Final report received from consultant.	N/A	2022	1	DR

**Developer Installed Private Fire Service (PFS)**

01	2610	JCC International	Installation of a 6-inch Private Fire Service	Construction	Construction 90% complete. Waiting for FPS box.	N/A	N/A	4	TTH
02	2640	49 Self Storage	Installation of a 6-inch Private Fire Service	Plan-Check	Plans approved by engineering, project to be built and inspected by NID. Project on hold by owner.	N/A	N/A	2	AS
03	2641	Grass Valley RV Resort	Installation of a 6-inch Private Fire Service	Construction	Agreement in place. Precon meeting needs to be scheduled.	N/A	N/A	5	TTH
04	2649	Perry Builders	Installation of a 6-inch Private Fire Service	Design	Waiting on plan submittal.	N/A	N/A	5	TTH

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**Developer Installed Waterline Extensions**

01	2566	Queen Lil Place	Installation of approx 695 lf of 8-inch waterline, 486 lf of 4-inch waterline and 1 fire hydrant	Plan-Check	Waiting for easement and design changes to place pipe on private road (Developer).	N/A	N/A	1	AS
02	2543	Loma Rica Ranch	Installing approximately 9,700 lf of waterline, 17 fire hydrants, 1 PRV station, 235 new services	Construction	Construction has started. All distribution pipe installed. One third of service is complete. Work on PRV has started.	N/A	N/A	1	DR
03	2613	Towntalk Village	Installing approximately 935 lf of waterline on Towntalk Rd. 221 lf of 4-inch, 1 fire hydrant, and all appurtenances. 11 new services.	Plan-Check	Final plans under review. Will include upsizing of main.	N/A	N/A	1	AS
04	2642	Kemper Oaks II	Installation of approximately 2,000 lf of 8-inch and 300 lf of 10-inch, five public fire hydrants, and all appurtenances to serve 47 new lots.	Plan-Check	Second round of comments incorporated; plans ready for final approval. Requesting spill easement for Kemper East Canal from developer.	N/A	N/A	4	AS

**Developer Installed Canal Encasements**

01	2429	Lincoln Meadows Subdivision	Encase Lincoln Canal through Lincoln Meadows Subdivision parcel	Post Construction	Improvements made to inlet structure and spill. Need Easements.	N/A	N/A	4	DR
02	2608	Hemphill Canal Encasement	Encase Hemphill Canal through Esplanade	Plan-Check	Plan check #3 received. No additional design comments. Waiting on ROW from the developer.	N/A	N/A	4	TTH
03	2679	Allison Ranch Canal	GV RV Resort Canal Enclosure	Planning	Encase a portion of the Allison Ranch Canal	N/A	N/A	5	AS