ENGINEERING

Staff Report

for the Engineering Committee Meeting of June 9, 2020

SUBJECT:	5-Year Capital Improvement Plan
DATE:	June 2, 2020
FROM:	Doug Roderick, PE, Engineering Manager
TO:	Engineering Committee

RECOMMENDATION:

Review and discuss the draft 5-Year Capital Improvement Plan (CIP) developed by staff.

BACKGROUND:

The intent of this item is to review and discuss the draft 5-Year CIP with Committee members. The 5-Year CIP includes projects for Engineering, Hydroelectric, Recreation, Maintenance, and Operations. Staff will utilize the 5-Year CIP in the development of the 2021 capital budget.

BUDGETARY IMPACT:

None.

ATTACHMENTS:

• Draft 5-Year Capital Improvement Plan

DR

5-Year CIP (Draft) 6-2-2020

				Budget	Budget	
Dept./Account	Reg.Req.	FATR Proj.	Project Name	2021	2022	
10114 Administration		•				
52915 Program Budget: Non-Programmatic	•			\$100,000	\$100,000	
	ADA	NPN	Security and ADA upgrades of facilities for public and staff safety	\$100,000	\$100,000	
10119 Safety						
52915 Program Budget: Non-Programmatic				\$25,000	\$0	
		1033	Safety Fall Protection Training Tower & Confined Space Facility	\$25,000		
10151 Engineering						
52907 Program Budget: Treated Water Pipeline Replacement				\$1,750,000	\$2,800,000	
		6962	Hwy 49 @ Christian Life Way-Replace 1500 ft. with 8 inch	\$350,000		
		2324	Meadow Brook-Copper relocate (North Auburn) relocate pipeline from back of house(s)	\$400,000		
		2182	North Day Road Pipeline Replacement-Replacement of badly deteriorated pipeline on North Day Road	\$850,000		
		2323	Willaura Acres- (Lime Kiln)-Replacement of deteriorated water mains and services in this area	\$100,000	\$1,400,000	
		6966	Osborne Hill Pipeline		\$100,000	
			Live Oak new main and services (4,600 ft)	\$50,000	\$1,250,000	
			East Bennett Loop (2,600 ft)		\$50,000	
		1005	Hughes Rd-Replace and upgrade pipeline			
		6930	Ridge Rd-Sierra College Dr/Hughes Road-1,240 ft. of 16 Inch and 910 Ft. of 20 inch-Replacement and upgrade of waterline			
		2314	Peninsula Campground-Replacement of waterline Glenbrook Basin Pipes (1,500 ft)			
		2387	Jackson Meadows Woodcamp Campground-Replacement of waterline			
			Upper Banner Main Extension (4,400 ft of new pipeline and 7,300 ft of upsized pipeline)			
		2314	Alta Sierra New Main and Services (4,650 ft) Dry Creek at Tractor Supply			

Budget	Budget	Budget
2023	2024	2025

\$100,000	\$100,000	\$100,000
\$100,000	\$100,000	\$100,000

\$0	\$0	\$0

62,500,000	\$1,200,000	\$1,650,000
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\$500,000		
\$1,000,000		
\$950,000		
	\$300,000	
	\$400,000	
\$50,000	\$250,000	
	\$250,000	\$1,500,000
		\$100,000
		\$50,000

52908 Program Budget: Pressure Reducing Valve (PRV) Program

		\$380,000	\$250,000	\$250,000	\$250,000	\$250,000
23	71 Dorsey Drive-Replace badly deteriorated PRV	\$130,000				
23	70 Berggren Lane-Replace badly deteriorated PRV	\$250,000				
23	69 Brewer # 1-Replace badly deteriorated PRV		\$125,000			
23	68 Nancy Way-Replace badly deteriorated PRV		\$125,000			
23	16 Echo Ridge-Replace badly deteriorated PRV			\$125,000		
23	17 Slate Creek-Replace badly deteriorated PRV			\$125,000		
23	18 East Ridge-Replace badly deteriorated PRV				\$125,000	
23	20 McPhersons-Replace badly deteriorated PRV				\$125,000	
23	19 Glenwood-Replace badly deteriorated PRV					\$125,000
23	67 Sunset-Replace badly deteriorated PRV					\$125,000

910 Program Budget: Raw Water Replacement			\$2,450,000	\$1,750,000	\$1,800,000	\$3,500,000	\$500,000
	1098	Santini Siphon 1-Replace 1 & 2-bottleneck & overtopping	\$350,000				
	NPN	South Yuba Repairs - major repairs on facility to improve reliability	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
	8099	Maben Canal (Kyler Canal to Retrac Way)	\$950,000				
	7809	Kyler Canal-Replace and enlarge canal	\$100,000	\$900,000			
		Hayt #1, #5 and #6 (200 ft, 160 ft, 430 ft)	\$400,000				
	2373	Pet Hill Canal Extension Repair - Upgrade pipeline for capacity	\$150,000				
	2329	China Drop Pipe Replacement of aerial pipeline-supports badly deteriorated		\$200,000			
		Clipper Creek Techite (8,600 ft of 24-inch)		\$150,000	\$1,000,000	\$2,000,000	
	2337	Smartsville raw water system-Repair and replacement of badly deteriorated pipelines			\$50,000		
	2372	Markell Spill Replacement-Replace badly deteriorated spillway			\$150,000		
	6967	Newtown Canal Headworks			\$100,000	\$450,000	
	2056	Lester Canal Relocation (Siphon)-Replace and relocate approx. 1400 Ft. of open canal.				\$350,000	
	2391	Fawn Hill Canal Piping - Canal pipe is sliding downhill				\$150,000	
		Camp Far West Drop Pipe				\$50,000	
		Lake Vera					\$800,000
		Doty North					
		Tarr Canal at Old Auburn Rd					
		Smith Moulton Pipeline					
		Sontag Canal berm work					

52911 Program Budget: Backbone Extension			\$3,000,000	\$2,500,000	\$2,200,000	\$1,800,000	\$850,000
		CAPACITY FEES	\$500,000	\$500,000	\$500,000	\$500,000	\$ 0
		TAX REVENUES	\$2,500,000	\$2,000,000	\$1,700,000	\$1,300,000	\$850,000
Г	2255	E. George to LWW Pipeline-Extension of waterlines for redundancy and customers	\$3,000,000	\$2,5 00,000	\$2,200,000	\$1,800,000	\$750,000
	2254	LWW to Smartsville WTP-Extension of waterlines for redundancy and customers					\$100,000
2912 Program Budget: Community Investment			\$500,000	\$1,100,000	\$800,000	\$100,000	\$100,000
	2181	Loma Rica Drive DFWLE-Assist, Design and Construction of a pipeline for existing neighborhoods approved by the Engineering Committee	\$400,000	\$1,000,000			
	2409	Maranatha Place DFWLE-Assist, design and construction of a pipeline for existing neighborhoods approved by the Engineering Committee.			\$700,000		
			* : • • • • • •	*1 00.000	A 100.000	*	¢100.000
L		Wharf Hydrant Replacement	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
52913 Program Budget: Extended CEQA		Wharf Hydrant Replacement	\$100,000 \$30,000	\$100,000 \$0	\$100,000 \$30,000	\$100,000 \$0	\$100,000 \$0
52913 Program Budget: Extended CEQA	6593-2	Wharf Hydrant Replacement Cascade Canal-Banner Cascade Pipeline-MMRP items from LCCBCP CEQA		-	1		
	6593-2	Cascade Canal-Banner Cascade Pipeline-MMRP items from	\$30,000 \$30,000	\$0	\$30,000 \$30,000	\$0	\$0
	6593-2	Cascade Canal-Banner Cascade Pipeline-MMRP items from	\$30,000	-	\$30,000		
		Cascade Canal-Banner Cascade Pipeline-MMRP items from LCCBCP CEQA Orr Creek Reservoir-Clean and remove sediment to increase	\$30,000 \$30,000 \$1,000,000	\$0	\$30,000 \$30,000	\$0	\$0
		Cascade Canal-Banner Cascade Pipeline-MMRP items from LCCBCP CEQA Orr Creek Reservoir-Clean and remove sediment to increase capacity Combie- Remove sediment on the eastside of reservoir to increase capacity Greenhorn Creek-Rollins Reservoir-remove sediment from	\$30,000 \$30,000 \$1,000,000	\$0	\$30,000 \$30,000	\$0 \$1,700,000	\$0 \$2,100,000
	6963	Cascade Canal-Banner Cascade Pipeline-MMRP items from LCCBCP CEQA Orr Creek Reservoir-Clean and remove sediment to increase capacity Combie- Remove sediment on the eastside of reservoir to increase capacity	\$30,000 \$30,000 \$1,000,000 \$250,000	\$0 \$600,000	\$30,000 \$30,000 \$1,000,000	\$0 \$1,700,000 \$500,000	\$0 \$2,100,000 \$500,000
52913 Program Budget: Extended CEQA	6963	Cascade Canal-Banner Cascade Pipeline-MMRP items from LCCBCP CEQA Orr Creek Reservoir-Clean and remove sediment to increase capacity Combie- Remove sediment on the eastside of reservoir to increase capacity Greenhorn Creek-Rollins Reservoir-remove sediment from Greenhorn Creek to increase capacity Steephollow-Remove sediment at Steep Hollow and	\$30,000 \$30,000 \$1,000,000 \$250,000	\$0 \$600,000	\$30,000 \$30,000 \$1,000,000	\$0 \$1,700,000 \$500,000 \$500,000	\$0 \$2,100,000 \$500,000 \$500,000
	6963 69515 6877	Cascade Canal-Banner Cascade Pipeline-MMRP items from LCCBCP CEQA Orr Creek Reservoir-Clean and remove sediment to increase capacity Combie- Remove sediment on the eastside of reservoir to increase capacity Greenhorn Creek-Rollins Reservoir-remove sediment from Greenhorn Creek to increase capacity Steephollow-Remove sediment at Steep Hollow and protection of NID Hydro Facilities	\$30,000 \$30,000 \$1,000,000 \$250,000	\$0 \$600,000 \$500,000	\$30,000 \$30,000 \$1,000,000 \$500,000	\$0 \$1,700,000 \$500,000 \$500,000	\$0 \$2,100,000 \$500,000 \$500,000

52915 Program Budget: Non-Programmatic		\$2,650,000	\$4,100,000	\$4,850,000	\$4,450,000	\$5,000,000
6	Combie Phase 1-Replacement-Combie pipeline bypass	\$400,000				
7	32 Hemphill/Fish Diversion - Improve fish passage	\$300,000	\$2,500,000	\$2,000,000		
6	043 Combie South Access Road	\$300,000				
2	North Auburn Highlift Pumps - Replace motor control center,	\$600,000				
	VFDs and new generator					
6	296 LWW WTP-Upgrade drying beds, backwash pumps and canal	\$450,000				
	intake screen					
2	Clear Well Expansion Loma Rica TP - Add additional		\$150,000	\$2,000,000		
	clearwell volume for higher plant flows					
2	14 Orr Creek Reservoir-CEQA-Repair leaking and badly	\$100,000	\$800,000			
	deteriorated facility					
2	D78 Loma Rica WTP Modify CT - Retrofit facility to improve CT		\$150,000			
2	321 LR WTP Pressure Vessel - Replacement of badly deteriorated pressure vessels			\$100,000	\$350,000	\$3,000,000
7	113 Centennial Water Supply Project - Facility for addition future demand and potential drought	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
2	875Clear Well Expansion Loma Rica - Add additional clearwell volume for higher plant flows			\$150,000	\$2,000,000	
	Upper Banner Storage Tank				\$100,000	\$1,500,000
2	E. George Effluent Expansion - Remove constriction in			\$50,000	\$1,000,000	
	effluent pipeline					
2	David Way Pump Station PS RehabAged PS with no			\$50,000	\$500,000	
	redundant pumps					

Total - Engineering Capital	\$11,260,000	\$12,600,000	\$12,930,000	\$12,500,000	\$10,450,000
Water Reserve	\$1,948,155	\$1,004,400	\$1,082,532	\$1,932,908	\$3,982,908
Tax Revenues	\$13,208,155	\$13,604,400	\$14,012,532	\$14,432,908	\$14,432,908

10171 Water			\$150,000	\$65,000	\$65,000	\$200,000	\$200,000
52915 Program Budget: Non-Programmatic			\$25,000	\$15,000	\$15,000	\$200,000	\$200,000
	NPN	WTP Security	\$25,000	\$15,000	\$15,000	\$100,000	\$100,000
	NPN	Miscellaneous Repairs - Major repairs such as structural for ongoing plant operations				\$100,000	\$100,000
2930 Program Bud: Chemical Tanks & Pads			\$50,000	\$50,000	\$50,000	\$0	\$0
	NPN	Chemical Tanks & Pads - Replacement of tanks caused by caustic chemicals	\$50,000	\$50,000	\$50,000	ΨŪ	ψ0
2931 Program Budget: Clarifiers			\$0	\$0	\$0	\$0	\$0
2932 Program Budget: Lime System Removal			\$75,000	\$0	\$0	\$0	\$0
	NPN	Lime System-Removal of old lime systems from treatment plants	\$75 , 000	\$ 0	\$0		
10191 Maintenance							
2915 Program Budget: Non-Programmatic			\$1,000,000	\$0	\$0	\$0	\$0
	NPN	Bear Valley-Steel Building (50' x 100') - New building for operations of the Upper Country system	\$1,000,000				
2916 Program Non-Jurisdictional Major Repairs- Water Diversion, Holding Structures			\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
	022(Tarr Canal Diversion Repair and Replacement-Clean, repair,	\$300,000				
	2336	and update diversion	# 0 • • , • • •				
	2335		π.υ.υ. γ υυυ	\$300,000			
		and update diversionTunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversionCamp Far West Diversion Repair and Replacement-Clean, repair, and update diversion	то о о ј о о о	\$300,000	\$300,000		
	2335 2334 2333	and update diversionTunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversionCamp Far West Diversion Repair and Replacement-Clean, repair, and update diversionChina Union Diversion Repair and Replacement-Clean, repair, and update diversion	# 0 0 0 j 0 0 0	\$300,000	\$300,000	\$300,000	
	2335 2334 2333 2332	and update diversionTunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversionCamp Far West Diversion Repair and Replacement-Clean, repair, and update diversionChina Union Diversion Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversion	# 0 0 0 j 0 0 0	\$300,000	\$300,000	\$300,000	\$300,000
	2335 2334 2333	and update diversionTunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversionCamp Far West Diversion Repair and Replacement-Clean, repair, and update diversionChina Union Diversion Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean,	# 0 0 0 j 0 0 0	\$300,000	\$300,000	\$300,000	\$300,000
22940 Program Budget: Tank Restoration	2335 2334 2333 2332	and update diversionTunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversionCamp Far West Diversion Repair and Replacement-Clean, repair, and update diversionChina Union Diversion Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversionAuburn Ravine 1-Diversion Repair and Replacement-Clean,	\$400,000	\$300,000	\$300,000	\$300,000	\$300,000
2940 Program Budget: Tank Restoration	2335 2334 2333 2332	and update diversionTunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversionCamp Far West Diversion Repair and Replacement-Clean, repair, and update diversionChina Union Diversion Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversionAuburn Ravine 1-Diversion Repair and Replacement-Clean,					
22940 Program Budget: Tank Restoration	2335 2334 2333 2332 2332 2331	and update diversionTunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversionCamp Far West Diversion Repair and Replacement-Clean, repair, and update diversionChina Union Diversion Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversionWiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversionAuburn Ravine 1-Diversion Repair and Replacement-Clean, repair, and update diversion	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000

2942 Program Budget: Pipeline Restoration			\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
	NPN	Pipeline Rehabilitation - Epoxy Lining	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
943 Program Budget: Canal Restoration			\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
	NPN	Shotcrete Lining of Canals	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
	NPN	South Yuba Canal - emergency repairs to the facility					
otal Capital-Operation Revenues, Maintenance ad Water Operations			\$2,450,000	\$1,375,000	\$1,375,000	\$1,510,000	\$1,510,000
30250 Recreation							
915 Program Budget: Non-Programmatic			\$315,000	\$315,000	\$315,000	\$315,000	\$315,000
	2091	Boat Slips/Docks-Purchasing 42 boat slips from EZDocks, for Long Ravine. Recreation staff will construct the new slips and will be removing the old slips.	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
		Sewer System Replacements	\$30,000	\$30,000	\$50,000	\$50,000	\$50,000
	2314	Peninsula (2019)-Repair/replacement of Peninsula Sewer System					
		Roadway Restoration	\$10,000	\$10,000	\$40,000	\$40,000	\$40,000
	2020	Scotts Flat Office & Generator-Replace existing deteriorating office	\$200,000	\$200,000			
	NPN	Roofing Upgrades	\$25,000	\$25,000	\$35,000	\$35,000	\$35,000
	NPN	Campground Host - trailer replacement, Scotts Flat, Long Ravine, Peninsula			\$140,000	\$140,000	\$140,000

Total Capital - Recreation

\$315,000 \$315,000

\$315,000	\$315,000	\$315,000

2915 Program Budget: Non-Programmatic-			\$0	\$250,000	\$2,500,000	\$2,200,000	\$500,000
otal represents non-bonded Projects				,			,
	2084	New Hydro Office Property Development (Hydro		\$250,000	\$2,500,000	\$2,000,000	\$100,000
		Maintenance Shop/Office)					
	2083	RPH2 Rollins No. 2 Powerhouse-Designing, permitting and				\$200,000	\$200,000
		construction of Rollins No. 2 Powerhouse below Rollins Dam					
	6947	LRPH Loma Rica Hydroelectric-Build new hydroelectric					\$200,000
		facility on Banner Cascade Pipeline					
2920 Program Budget: PH Improvements-Total			\$2,250,000	\$3,650,000	\$4,450,000	\$3,675,000	\$100,000
presents non-bonded Projects							
	2354	BPH Bowman Intertie Breaker	\$170,000	\$100,000			
	2362	CPPH Transformer Replacement	\$50,000	\$1,500,000	\$750,000		
	2383	CPPH Rewind		\$50,000	\$1,500,000		
	2402	CPPH Governor and Instrumentation Upgrade	\$400,000	\$75,000			
	2352	CPPH Switchgear Upgrade				\$50,000	
	2353	CPPH Turbine Overhaul	\$100,000	\$1,250,000	\$1,250,000		
	2347	CNPH CAISO Meter			\$150,000		
	2168	CSPH Instrument/Control/Protection Upgrades	\$250,000	\$100,000	\$100,000		
	6943	CS Access Road	\$200,000				
	2342	DCPH Controls/Automation		\$50,000	\$400,000		
	2343	DCPH Generator Breaker	\$50,000	\$100,000	\$100,000	\$25,000	
	2395	DCPH Exciter Replacement	\$50,000	\$150,000	*= 0.000	*	***
	2387	DCPH Transformer Replacement	**		\$50,000	\$750,000	\$100,000
	2246	DFPH Fire Suppression System Upgrades	\$30,000		*- 0.000	* = 00.000	
	2403	DFPH Switch Gear Upgrade			\$50,000	\$500,000	
	2349	DFPH No 2 Turbine Shutoff Valve (TSV)			¢50.000	\$500,000	
	2350	DFPH Main Transformer Replacement	¢200.000	\$75,000	\$50,000	\$1,500,000	
	2351	RPH OCB Replacement	\$200,000	\$75,000			
	2379	RPH Rollins Powerhouse Fire Protection System	\$300,000	¢200.000			
	2392	RPH Governor Replacement	\$50,000 \$250,000	\$200,000			
	2393	RPH Balance of Plant	\$250,000				
	2204	PDU Polar Destaction Improvements	S150 000				
	2394 2406	RPH Relay Protection Improvements SFPH Balance of Plant Upgrade	\$150,000		\$50,000	\$250,000	

2921 Program Budget: Reservoir, Dam and /ater-Total represents non-bonded Projects				\$2,740,000	\$1,945,000	\$3,420,000	\$15,700,000	\$15,400,000
act-rotar represents non-bonded ribeets	DSOD & FERC	2094	Scotts Flat Dam Spillway Repair	\$1,000,000.00	\$1,000,000.00	\$2,500,000.00	\$10,000,000.00	\$8,900,000.0
	DSOD & FERC	201402	Combie Dam Stabilization and Scour Protection-Phased Project	\$300,000.00	\$400,000.00	\$550,000.00	\$3,000,000.00	\$2,500,000.0
		2359	Bowman North Dam Face Concrete Lining Improvement		\$150,000.00	\$300,000.00	\$1,800,000.00	
	FERC, DSOD	2400	Bowman South Dam Stability				\$300,000.00	\$4,000,000.00
	FERC	2007	French Dam - New Gauging Station	\$350,000.00	\$50,000.00			
	FERC	2360	French Dam - Freeboard, Upstream Lining, Spillway Training Wall	\$1,000,000.00	\$75,000.00			
		2358	Jackson Meadows Outlet-Butterfly Valve Replacement				\$200,000.00	
	FERC, DSOD- FY 2021	2361	Jackson Lake - Spillway Channel Confinement Deficiency	\$70,000.00	\$100,000.00	\$20,000.00	\$200,000.00	
		2385	Rollins Dam Penstock Drainage Improvement	\$20,000.00	\$150,000.00			
		2357	Sawmill Upstream Face Improvement	# _ 0,000.000	\$20,000.00	\$50,000.00	\$400,000.00	
22 Program Budget: Lower Division terway-Total represents non-bonded Projects				\$450,000	\$450,000	\$0	\$0	\$0
		2204		* =0.000	¢450.000	1		
		2386 2341	CP Flume Intake Drain Improvements DF Canal Liner Replacement	\$50,000 \$400,000	\$450,000			
923 Program Budget: Upper Division				\$600,000	\$450,000	\$100,000	\$500,000	\$500,000

			\$600,000	\$450,000	\$100,000	\$500,000	\$500,000
cts							
	2230	BSCNL Bowman-Spaulding Canal Lining Project				\$500,000	\$500,000
	2339	Rucker Spill Gate Replacement	\$150,000			II y	n)
	2404	Fall Creek Flume Improvements			\$50,000		
	2340	BSCNL Repairs Upstream of Clear Creek Tunnel	\$450,000	\$450,000	\$50,000		

52924 Program Budget: SCADA/Communication Upgrades-Total represents non-bonded Projects

TOTAL CAPITAL - Engineering, Hydroelectric and Rec	reation		\$17,815,000	\$20,010,000	
TOTAL O&M CAPITAL - Operations and Maintenance			\$2,450,000	\$1,375,000	
Total Capital - Hydroclecille			<i>40,240,000</i>	φ7,053,000	
Total Capital - Hydroelectric			\$6,240,000	\$7,095,000	
L					
E E E E E E E E E E E E E E E E E E E	2346	DCPH Install Microwave from KLOVE Tower (SF) to CPPH			
	2389	CPHVP - CP Intake Fiber Optic	-		
	2390	DFFB-PG&E Drum Fiber Optic	\$200,000		
	2355	DFPH -HVPB- DF Forebay Fiber Optic			
	2405	New Hydro Field Office Radio Tower		\$350,000	
	201502	SCADA Upgrade			

\$200,000 \$350,000

\$185,000	\$0	\$0
\$185,000		

\$10,655,000	\$22,075,000	\$16,500,000
\$1,375,000	\$1,510,000	\$1,510,000

\$23,900,000 \$34,890,000 \$27,265,000