

California ISO
Active Projects as of June 2022

Capital ID #	Year Approved	Project Description	Forecast Cost	#	Project Cost to Date	% Completed to Budget	Issued Contracts Unbilled	Unencumbered Project Budget Remaining
Capital Projects								
12251	2020	RC Enhancements 2020	\$ 891,167		\$ 644,200	72%	\$ 133,196	\$ 113,773
12252	2020	Credit Tracking System Upgrade	\$ 363,775		\$ 340,636	94%		\$ 23,139
12254	2020	CRR Replacement	\$ 2,610,654		\$ 500,167	19%	\$ 1,690,272	\$ 420,215
12255	2020	Price Corrections	\$ 843,640		\$ 68,446	8%	\$ 505,776	\$ 269,419
12256	2021	FRP and BARR Replacement	\$ 1,935,065		\$ 230,936	12%	\$ 1,238,885	\$ 465,244
12257	2021	RC Enhancements 2021	\$ 500,000		\$ 33,662	7%	\$ 202,614	\$ 263,724
12258	2021	EMS 2021	\$ 2,235,737		\$ 1,242,494	56%	\$ 671,984	\$ 321,259
12259	2021	MV 90 Upgrade	\$ 44,444		\$ -	0%	\$ 30,000	\$ 14,444
12261	2021	PKI Certificate	\$ 123,486		\$ 26,775	22%		\$ 96,711
12262	2021	Settlement Upgrade	\$ 15,600,000		\$ 447,738	3%	\$ 5,842,500	\$ 9,309,762
12263	2022	Topology State Estimator Phase 2	\$ 347,839		\$ -	0%	\$ 316,216	\$ 31,623
12264	2022	Transmission Service & Market Scheduling Priorities Phase 1	\$ 338,744		\$ 225,580	67%	\$ 48,764	\$ 64,400
12265	2022	MSAA Phase 2	\$ 750,000		\$ -	0%		\$ 750,000
12438	2019	Operation Training System	\$ 1,246,288		\$ 1,145,206	92%	\$ 96,809	\$ 4,273
12449	2020	Outage Optimization Phase 2	\$ 259,225		\$ 177,031	68%	\$ 45,416	\$ 36,778
12455	2020	Outage Optimization Phase 3	\$ 526,400		\$ 465,203	88%	\$ 39,017	\$ 22,180
12461	2020	LF Improvements for LDF Automation	\$ 203,659		\$ 202,237	99%		\$ 1,422
12470	2021	EIM Enhancements 2021 Phase 2	\$ 297,228		\$ 201,300	68%	\$ 95,928	\$ -
12472	2021	Hybrid Resources Phase 2B	\$ 1,625,797		\$ 492,501	30%	\$ 81,049	\$ 1,052,247
12474	2021	CBEA SC Energy Bids in SIBR	\$ 56,812		\$ 33,663	59%	\$ 4,013	\$ 19,136
12475	2021	High-Resolution Rapid Refresh(HRRR)	\$ 157,407		\$ 20,861	13%		\$ 136,546
12476	2021	Disconnected Pnode Improvements	\$ 155,628		\$ 9,496	6%	\$ 112,367	\$ 33,765
12477	2021	Advanced Curtailment Tool	\$ 107,353		\$ 17,000	16%		\$ 90,353
12478	2021	EMMS System Upgrade	\$ 1,735,815		\$ 20,706	1%	\$ 1,066,053	\$ 649,056
12479	2022	Technology System Improvements	\$ 10,000		\$ -	0%		\$ 10,000
12480	2022	Operation System Improvements	\$ 10,000		\$ -	0%		\$ 10,000
12481	2022	RC Forecast & Schedules Data Reporting	\$ 314,326		\$ 20,388	6%	\$ -	\$ 293,938
12482	2022	WEIM Resource Sufficiency Evaluation Enhancements Phase 1	\$ 407,727		\$ 248,614	61%	\$ 45,351	\$ 113,762
12484	2022	Maximum Import Capability (MIC)	\$ 327,048		\$ 4,032	1%		\$ 323,016
12485	2022	Central Procurement Entity	\$ 336,195		\$ 28,033	8%		\$ 308,162
12486	2022	EMS System Improvement	\$ 493,367		\$ -	0%		\$ 493,367
12521	2020	RIMS Enhancements Phase 2	\$ 480,202		\$ 452,271	94%		\$ 27,931
12512	2015-2022	Facilities Replacement Reserve	\$ 10,816,792		\$ 2,389,376	22%	\$ 1,617,118	\$ 6,810,298
12523/ 21452	2022	2022 Campus Operations	\$ 250,000		\$ 54,640	22%		\$ 195,360
12655/ 21478	2022	2022 Hardware & Software Purchases	\$ 3,742,482		\$ 661,052.00	18%	\$ 1,189,789	\$ 1,891,640
35		Total Capital Projects	\$ 50,144,299		\$ 10,404,244	21%	\$ 15,073,115	\$ 24,666,943

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Requirements and Other Projects								
21114	2022	2022 Initialization	\$ 120,048		\$ -	0%		\$ 120,048
21355	2019/2020	ETCC Replacement Phase 2 PLC	\$ 78,924		\$ 63,817	81%		\$ 15,108
21379	2019-2021	MasterFile to SOA Phase 2	\$ 917,648		\$ 721,261	79%	\$ 16,194	\$ 180,193
21405	2021	RC Enhancements 2020	\$ 92,096		\$ 92,096	100%		\$ -
21410	2020	SC Certification Training CBT	\$ 350,000		\$ 336,500	96%	\$ 13,500	\$ -
21416	2021/2022	CAISO Website Replacement	\$ 170,064		\$ 116,194	68%		\$ 53,870
21430	2020	Jboss, Java RHEL Upgrade	\$ 367,840		\$ 323,546	88%		\$ 44,294
21435	2020	EMMS Phase 4	\$ 195,362		\$ 66,719	34%		\$ 128,643
21446	2020/2021	Data Analysis & Visualization Expansion (DAVE)	\$ 14,964		\$ 14,964	100%		\$ -
21447	2021	Operation System Improvements 2021 Non Capital	\$ 1,225,147		\$ 1,113,101	91%	\$ 52,783	\$ 59,263
21448	2021	Technology Systems Improvements 2021 Non Capital	\$ 800,000		\$ 689,099	86%	\$ 110,901	\$ 0
21456	2021	Customer Service Initiative	\$ 18,700		\$ 5,319	28%		\$ 13,381
21457	2021	SC CTB Development Phase 2	\$ 250,000		\$ 136,795	55%	\$ 113,206	\$ -
21462	2021/2022	Operations Notification Systems	\$ 44,856		\$ 34,703	77%		\$ 10,153
21463	2021/2022	RA Credits Processing Phase 2	\$ 26,735		\$ 26,735	100%		\$ -
21464	2021	RAAIM Implementation Options	\$ 10,720		\$ 7,287	68%		\$ 3,433
21465	2021	Day Ahead Market Enhancements	\$ 25,300		\$ 19,160	76%		\$ 6,140
21469	2021	RA Phase 2	\$ 26,750		\$ 3,150	12%		\$ 23,600
21472	2021	PKI Certificate Usability	\$ 44,177		\$ 42,452	96%	\$ -	\$ 1,726
21476	2022	Technology System Improvements	\$ 950,000		\$ 153,128	16%	\$ 293,283	\$ 503,588
21477	2022	Operation System Improvements	\$ 1,100,000		\$ 156,431	14%	\$ 474,338	\$ 469,230
21481	2022	Transmission reservation & Scheduling Priorities Phase 2	\$ 520,000		\$ 229,840	44%	\$ 248,400	\$ 41,760
21482	2022	FERC Audit Remediation	\$ 350,000		\$ 31,840	9%		\$ 318,160
21484	2022	Hybrid Resources Phase 2B	\$ 6,784		\$ 4,216	62%	\$ 2,568	\$ -
21486	2022	FERC 2222	\$ 9,600		\$ 6,551	68%		\$ 3,049
21489	2022	EMS 2022	\$ 6,633		\$ 6,633	100%		\$ -
21490	2022	FERC 881	\$ 11,360		\$ 200	2%		\$ 11,160
21491	2022	CIDI Enhancements	\$ 125,000		\$ 50,112	40%		\$ 74,888
21492	2022	WebSDK Upgrade for MQS & CRRS	\$ 114,652		\$ -	0%	\$ 114,652	\$ -
21493	2022	RDRR Bidding Phase 2	\$ 22,695		\$ 22,695	100%		\$ -
21494	2022	CAISO Energy Transfer System (ESTR)	\$ 23,350		\$ 4,255	18%		\$ 19,095
21495	2022	Centric Roadmap Enhancement	\$ 200,000		\$ -	0%		\$ 200,000
21496	2022	Market Analysis Enhancements	\$ 7,416		\$ -	0%		\$ 7,416
33		Total Requirements & Other Projects	\$ 8,226,821		\$ 4,478,798	54%	\$ 1,439,826	\$ 2,308,198
68		Grand Total Projects	\$ 58,371,120		\$ 14,883,041	25%	\$ 16,512,940	\$ 26,975,141