

California ISO
Active Projects as of June 2021

Capital ID #	Year Approved	Project Description	Forecast Cost	Project Cost to Date	% Completed to Budget	Issued Contracts Unbilled	Unencumbered Project Budget Remaining
Capital Projects							
12245	2019	Settlements Replacements	\$ 2,012,480	\$ 1,066,220	53%		\$ 946,260
12249	2020	Market Software Performance & Robustness Improvements	\$ 460,000	\$ 363,906	79%	\$ 96,094	\$ -
12251	2020	RC Enhancements 2020	\$ 921,697	\$ 310,812	34%	\$ 333,880	\$ 277,005
12252	2020	Credit Tracking System -Upgrade	\$ 378,175	\$ 175,968	47%		\$ 202,208
12253	2020	EMS Operations Enhancements	\$ 750,000	\$ 577,038	77%	\$ 172,571	\$ 391
12254	2020	CRR System Replacement	\$ 2,063,250	\$ 630	0%		\$ 2,062,620
12255	2020	Price Corrections	\$ 64,413	\$ 13,275	21%	\$ 38,269	\$ 12,869
12256	2121	BARR Replacement	\$ 1,178,638	\$ 43,216	4%	\$ 602,461	\$ 532,962
12257	2021	RC 2021	\$ 500,000	\$ 500	0%		\$ 499,500
12258	2021	EMS 2021	\$ 1,000,000	\$ 65,113	7%	\$ 927,465	\$ 7,422
12438	2019	Operation Training System	\$ 1,246,288	\$ 705,134	57%	\$ 377,123	\$ 164,031
12440	2020	Topology State Estimator	\$ 854,467	\$ 854,467	100%	\$ -	\$ -
12442	2020	AIM Enhancements	\$ 52,977	\$ 35,360	67%		\$ 17,617
12445	2020	Technology System Improvement 2020	\$ 65,760	\$ -	0%	\$ 65,760	\$ -
12449	2020	Outage Optimization Phase 2	\$ 259,225	\$ 151,374	58%	\$ 56,032	\$ 51,820
12455	2020	Outage Optimization Phase3	\$ 526,400	\$ 29,186	6%	\$ 463,325	\$ 33,890
12456	2020	FRP Improvement Deliverability	\$ 890,728	\$ 53,784	6%	\$ 682,348	\$ 154,597
12457	2020	Intertie Shadow Pricing	\$ 71,350	\$ 1,627	2%	\$ 33,108	\$ 36,616
12458	2020	Variable Operation & Maintenance Cost Review	\$ 216,410	\$ 27,048	12%	\$ 72,738	\$ 116,623
12459	2020	Operation System Improvements 2021	\$ 25,000	\$ 24,853	99%		\$ 147
12460	2021	Technology Systems Improvements 2021	\$ 25,000	\$ -	0%		\$ 25,000
12461	2020	LF Improvements for LDF Automation	\$ 167,416	\$ 104,979	63%		\$ 62,437
12462	2020	FERC 831-Import Bidding & Market Parameters	\$ 472,521	\$ 418,659	89%	\$ -	\$ 53,862
12463	2021	Real Time Settlement Review	\$ 121,554	\$ 16,756	14%	\$ 6,018	\$ 98,780
12464	2021	Summer 2021 Readiness Initiative	\$ 1,183,069	\$ 675,343	57%	\$ 251,517	\$ 256,209
12465	2021	Hybrid Phase 2	\$ 158,501	\$ 40,073	25%	\$ 61,231	\$ 57,197
12466	2021	ESDER Phase 4	\$ 711,046	\$ 69,219	10%	\$ 366,092	\$ 275,735
12467	2021	RA Enhancement Track 1	\$ 381,528	\$ 280,116	73%	\$ 87,403	\$ 14,009
12468	2021	Short Long Start Definition	\$ 24,072	\$ 268	1%	\$ 18,058	\$ 5,746
12512/ 21304	2015-2021	Facilities Replacement Reserve	\$ 8,911,507	\$ 2,198,157	25%	\$ -	\$ 6,713,350
12521	2020	RIMS Enhancements Phase 2	\$ 480,202	\$ 10,974	2%		\$ 469,228
12522/ 21452	2021	2021 Campus Operation Funding	\$ 1,017,967	\$ 63,364	6%	\$ 641,966	\$ 312,637
12625	2013	IOOC Equipment Purchase	\$ 57,675	\$ -	0%		\$ 57,675
12653/ 12654/ 21441	2020	2021 Hardware & Software Purchases	\$ 2,000,000	\$ 99,791	5%	\$ 403,084	\$ 1,497,125
34		Total Capital Projects	\$ 29,249,314	\$ 8,477,206	29%	\$ 5,756,541	\$ 15,015,567

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Requirements and Other Projects							
21114	2021	2021 Initialization	\$ 25,002	\$ -	0%		\$ 25,002
21373	2019/ 2020	WebSDK & Application Stack Upgrade	\$ 488,372	\$ 450,368	92%	\$ 24,201	\$ 13,802
21379	2019/ 2020	Masterfile to SOA Phase 2	\$ 862,057	\$ 534,817	62%	\$ 53,969	\$ 273,271
21410	2020	SC Certification Training CBT	\$ 350,000	\$ 231,798	66%	\$ 118,202	\$ -
21416	2020	CAISO Website Replacement	\$ 141,071	\$ 74,128	53%		\$ 66,944
21429	2020	Oracle 19c Upgrade	\$ 163,882	\$ 77,000	47%	\$ 66,007	\$ 20,875
21430	2020	Jboss, Java RHEL Upgrade	\$ 160,000	\$ 159,742	100%		\$ 258
21435	2020	EMMS Phase 4	\$ 195,362	\$ 34,256	18%		\$ 161,106
21436	2020	RC Forecast & Schedule Data Reporting Automation	\$ 26,145	\$ 10,328	40%		\$ 15,818
21439	2020	Advanced Curtailment Tool	\$ 22,225	\$ 9,522	43%		\$ 12,703
21442	2020	Pump Storage MPL	\$ 3,150	\$ 2,615	83%		\$ 535
21445	2020/ 2021	RA Enhancements Track 1	\$ 104,592	\$ 43,412	42%		\$ 61,180
21446	2020/ 2021	Data Analysis & Visualization Expansion (DAVE)	\$ 14,964	\$ 14,378	96%		\$ 586
21447	2021	Operation System Improvements 2021	\$ 1,225,000	\$ 213,960	17%	\$ 355,046	\$ 655,994
21448	2021	Technology Systems Improvements 2021	\$ 775,000	\$ 204,342	26%	\$ 526,197	\$ 44,461
21449	2021	Flex Alert Enhancements	\$ 228,000	\$ -	0%	\$ 228,000	\$ -
21450	2021	Summer 2021 Readiness Non Cap	\$ 33,400	\$ 21,581	65%		\$ 11,819
21451	2021	Vendor Portal	\$ 11,085	\$ 5,994	54%		\$ 5,091
21453	2021	Disconnected Pnobe	\$ 7,820	\$ 5,290	68%		\$ 2,530
21454	2021	EIM Sub-Entity Scheduling Coordinator Role	\$ 49,550	\$ 29,662	60%		\$ 19,888
21456	2021	Customer Service Initiative	\$ 18,700	\$ 1,701	9%		\$ 16,999
21457	2021	SC CTB Development Phase 2	\$ 250,000	\$ -	0%		\$ 250,000
21458	2021	Joint Owned Units	\$ 75,000	\$ 74,320	99%		\$ 680
21459	2021	High -Resolution Rapid Refresh (HRRR)	\$ 6,825	\$ 1,581	23%		\$ 5,244
21460	2021	CBEA SC Energy Bids in SIBR	\$ 11,520	\$ 3,977	35%		\$ 7,543
21461	2021	DA Nodal Pricing Model Phase 2	\$ 23,000	\$ 10,465	46%		\$ 12,535
26		Total Requirements & Other Projects	\$ 5,271,722	\$ 2,215,236	42%	\$ 1,371,623	\$ 1,684,863
60		Grand Total Projects	\$ 34,521,036	\$ 10,692,442	31%	\$ 7,128,164	\$ 16,700,430