

Capital ID #	Year Approved	Project Description	Forecasted Cost	Project Cost to Date	% Completed to Budget	Issued Contracts Unbilled	Unencumbered Project Budget Remaining
Capital Projects							
12254	2020	CRR System Replacement	\$ 4,410,654	\$ 1,479,097	34%	\$ 1,571,412	\$ 1,360,145
12255	2020	Price Correction Process Enhancements	\$ 843,640	\$ 491,988	58%	\$ 166,592	\$ 185,060
12257	2021	RC 2021	\$ 1,256,169	\$ 1,036,606	83%	\$ 194,867	\$ 24,696
12261	2021	Public Key Infrastructure (PKI) Certificate	\$ 230,966	\$ 184,150	80%		\$ 46,816
12262	2021	Settlements Upgrade	\$ 15,480,000	\$ 1,647,248	11%	\$ 5,227,500	\$ 8,605,252
12265	2022	Model Synchronization & Activation (MSAA) Phase 2	\$ 750,000	\$ 6,452	1%	\$ 450,000	\$ 293,548
12266	2022	Operations Notification Systems	\$ 684,367	\$ 351,331	51%		\$ 333,036
12449	2020	Outage Optimization Phase 2	\$ 259,225	\$ 213,439	82%	\$ 14,477	\$ 31,309
12477	2021	Advanced Curtailment Tool	\$ 129,443	\$ 92,875	72%		\$ 36,568
12478	2021	Smart Grid Engineering Management (SGEM) Upgrade	\$ 1,652,388	\$ 69,678	4%	\$ 1,066,053	\$ 516,657
12480	2022	Operation System Improvements	\$ 43,500	\$ -	0%	\$ 43,500	\$ -
12481	2022	Reliability Coordinator (RC) Forecast and Schedules Data Reporting	\$ 314,326	\$ 21,312	7%	\$ -	\$ 293,014
12484	2022	Maximum Import Capability (MIC) Enhancements	\$ 507,869	\$ 296,308	58%		\$ 211,561
12486	2022	Energy Management System (EMS) Improvements	\$ 490,232	\$ 185,854	38%	\$ 269,666	\$ 34,712
12487	2022	Market Analysis Improvements	\$ 142,977	\$ 53,666	56%		\$ 89,311
12489	2022	Hybrid Resources Phase 2C	\$ 1,368,685	\$ 360,842	26%		\$ 1,007,843
12490	2022	Resource Sufficiency Evaluation Enhancements Phase 2	\$ 291,902	\$ 280,016	96%	\$ -	\$ 11,886
12491	2022	Day Ahead Market Enhancements	\$ 210,369	\$ 34,283	16%		\$ 176,087
12521	2020	Resource Interconnection Management System (RIMS) Enhancements Phase 2	\$ 579,383	\$ 515,906	89%		\$ 63,477
12524	2022	Customer Enhancement Request	\$ 181,559	\$ 10,871	6%		\$ 170,688
12526	2022	Interconnection Process Enhancement 2021	\$ 54,945	\$ 39,089	71%		\$ 15,856
12701	2023	FERC 881 Track 1	\$ 367,273	\$ 21,844	6%		\$ 345,429
12702	2023	Energy Storage Enhancements	\$ 777,437	\$ 247,642	32%	\$ 317,878	\$ 211,918
12801	2023	Ancillary Service State of Charge Constraint	\$ 182,347	\$ 71,652	39%	\$ 32,572	\$ 78,123
12803	2023	Resource Sufficiency Evaluation 2 Track 2	\$ 361,404	\$ -	0%		\$ 361,404
12512	2015-2023	Facilities Replacement Reserve	\$ 12,066,792	\$ 3,278,028	27%	\$ 1,470,001	\$ 7,318,763
12525/ 21505	2022	Training Room & Simulator Build Out Costs	\$ 3,808,539	\$ 45,371	1%	\$ 260,538	\$ 3,502,630
12527/ 21512	2023	2023 Campus Operations	\$ 250,000	\$ -	0%	\$ 74,463	\$ 175,537
12656/ 21509	2023	2023 Hardware /Software	\$ 6,500,000	\$ 1,127,627	17%	\$ 1,360,559	\$ 4,011,814
29		Total Capital Projects	\$ 54,196,389	\$ 12,163,172	22%	\$ 12,520,077	\$ 29,513,139

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Requirements and Other Projects							
21114	2023	2023 Project Initialization	\$ 77,479	\$ -	0%		\$ 77,479
21405	2020/ 2021	Reliability Coordinator Enhancements 2020/2021	\$ 227,096	\$ 92,096	41%	\$ 135,000	\$ -
21416	2021-2023	CAISO Website Replacement	\$ 283,564	\$ 242,951	86%		\$ 40,614
21430	2020-2021	Jboss, Java RHEL Upgrade to TR	\$ 536,952	\$ 517,551	96%		\$ 19,401
21435	2020	EMMS Phase 4	\$ 195,362	\$ 66,719	34%		\$ 128,643
21447	2021	Operation System Improvements 2021 Non-Capital	\$ 1,225,147	\$ 1,161,809	95%	\$ 17,268	\$ 46,071
21448	2021	Technology Systems Improvements 2021 Non-Capital	\$ 800,000	\$ 759,050	95%	\$ 25,837	\$ 15,113
21465	2021	Day Ahead Market Enhancements	\$ 42,631	\$ 39,631	93%		\$ 3,000
21476	2022	Technology System Improvements 2022	\$ 323,143	\$ 232,795	72%	\$ 90,348	\$ (0)
21477	2022	Operation System Improvements 2022	\$ 774,910	\$ 251,827	32%	\$ 340,666	\$ 182,417
21481	2022	Transmission Reservation & Scheduling Priorities Phase 2	\$ 25,000	\$ -	0%	\$ 25,000	\$ -
21482	2022	FERC Audit Remediation	\$ 241,050	\$ 43,925	18%	\$ 98,726	\$ 98,399
21486	2022	FERC 2222	\$ 13,215	\$ 13,215	100%		\$ -
21487	2022	Settlements Upgrade Non-Capital	\$ 120,000	\$ 120,000	100%	\$ -	\$ -
21490	2022	FERC 881	\$ 48,896	\$ 48,896	100%		\$ -
21492	2022	WebSDK Upgrade for MQS & CRRS	\$ 114,652	\$ -	0%	\$ 114,650	\$ 2
21495	2022	Centric Roadmap Enhancement	\$ 293,700	\$ 127,545	43%	\$ 166,155	\$ -
21499	2022	Plant Information Web Services (PIWS) Phase 1	\$ 300,922	\$ 99,582	33%		\$ 201,340
21503	2022	Continuous Integration	\$ 79,750	\$ -	0%	\$ 75,000	\$ 4,750
21504	2022	ADC Implementation	\$ 248,038	\$ 83,962	34%		\$ 164,076
21506	2022	Extended Day Ahead Market	\$ 250,000	\$ 10,355	4%		\$ 239,645
21507	2023	Control Center Program Manager	\$ 285,000	\$ 229,864	81%		\$ 55,136
21508	2023	Technology Foundational Improvement	\$ 900,000	\$ 334,709	37%	\$ 98,492	\$ 466,799
21510	2023	Transmission Services and Market Schedule 2	\$ 37,331	\$ 37,331	100%		\$ (0)
21513	2023	Siemens On Site Support	\$ 675,000	\$ 103,233	15%	\$ 571,767	\$ -
21514	2023	Transmission Exchange Agreement	\$ 49,920	\$ 20,261	41%		\$ 29,659
21515	2023	Capacity Procurement Mechanism	\$ 9,470	\$ 6,751	71%		\$ 2,719
21518	2023	Operations Foundational Improvements 2023	\$ 1,000,000	\$ -	0%		\$ 1,000,000
21516	2023	Resource Sufficiency Evaluation 2 Track 2	\$ 150,708	\$ -	0%	\$ 150,708	\$ -
21517	2023	End of Life Software Program 2023	\$ 1,942,035	\$ -	0%		\$ 1,942,035
21519	2023	PacifiCorp EDAM Onboarding	\$ 49,800	\$ -	0%		\$ 49,800
31		Total Requirement & Other Projects	\$ 11,320,770	\$ 4,644,055	41%	\$ 1,909,617	\$ 4,767,098
60		Grand Total Projects	\$ 65,517,159	\$ 16,807,227	26%	\$ 14,429,694	\$ 34,280,238