

Summary of ISO Capital Expenditure Forecast - Non-Incentive Projects
(\$000)

TO2025 Annual Update
Attachment 4
WP-Schedule 16-Summary of ISO Cap Exp Forecast Non-Inc Projects
Page 1 of 5

PIN	Project Title	C-WBS	Order #	High/ Low Voltage	OD	Project Total (ISO & non-ISO)				ISO Portion			
						Prior	2024	2025	Total	Prior	2024	2025	Total

Non-Incentive Transmission Projects include Direct Installation and Removal Expenditures, but exclude any C-WBS or Order # with 0% ISO.

Other Transmission

08308	Install 4 N60 lgc processing relay Red Bluff Substation	CET-ET-CR-WC-830802	903162574	High	Apr-24	706	-	-	706	706	-	-	706
08389	Hinson Sub (RNU) Install one (1) 220 kV line position	CET-ET-CR-WC-838906	903714980	High	Dec-24	1,246	743	620	2,609	1,246	743	620	2,609
08394	Vincent Substation.	CET-ET-CR-WC-839401	903516981	High	Aug-25	737	1,057	365	2,160	737	1,057	365	2,160
08090	Eldorado Substation (NU): install the following equipment on a dedicated 220kV double	CET-ET-LG-AF-809000	902249125	High	Dec-19	-	28	-	28	-	28	-	28
08393	Walnut Substation Interconnection (RNU): 1. Generation Tie-Line to Existing Pos. 2. Utilize	CET-ET-CR-WC-839301	903549492	High	Mar-25	1,444	325	631	2,400	1,444	325	631	2,400
08393	Transmission: Interconnection (RNU) Relocate existing 220 kV Mesa-Walnut Line to new	CET-ET-CR-WC-839306	903555087	High	May-24	1	417	1,252	1,670	1	417	1,252	1,670
08393	Total Kestrel Storage Project					1,445	742	1,883	4,070	1,445	742	1,883	4,070
08398	Pardee Substation (RNU): Moorpark CRAS – monitoring infrastructure.	CET-ET-CR-WC-839801	903724397	High	Sep-24	1	725	538	1,264	1	725	538	1,264
08398	Moorpark Substation (RNU): Moorpark centralized RAS ("CRAS") – tripping infrastructure	CET-ET-CR-WC-839802	903724398	High	Sep-24	8	365	417	790	8	365	417	790
08398	Sylmar Substation (RNU): Moorpark CRAS – monitoring infrastructure.	CET-ET-CR-WC-839807	903724708	High	Feb-25	2	742	848	1,592	2	742	848	1,592
08398	Moorpark Substation (RNU).	CET-ET-CR-WC-839800	903507849	High	May-25	29	396	505	930	29	396	505	930
08398	Goldback:	CET-ET-CR-WC-839805	903724702	High	Jul-24	2	17	24	43	2	17	24	43
08398	Moorpark Substation (RNU).	CET-ET-CR-WC-839808	903724709	High	Dec-24	112	929	1,028	2,070	112	929	1,028	2,070
08398	Goldback Solar Center					155	3,173	3,360	6,688	155	3,173	3,360	6,688
	Total Other Transmission					4,289	5,744	6,229	16,262	4,289	5,744	6,229	16,262

TSP Projects

07767	Johanna: Install new 280MVA Bank, Equip new 220kV & 66kV Positions, Rpl (19) 66kVCBs &	CET-ET-LG-TS-776700	901487156	High	May-20	-	1	-	1	-	0	-	0
	Total TSP Projects					-	1	-	1	-	0	-	0

Transmission Project Reliability

07727	Inyokern Substation: Expand existing MEER at Inyokern Substation.	CET-ET-TP-RL-772700	901394462	Low	Nov-24	363	50	-	413	134	19	-	153
07727	Control Substation: Install 12 N60 relays, one satellite clock, and two ethernet switches in the	CET-ET-TP-RL-772701	901394533	Low	Apr-24	1,223	58	-	1,281	1,051	50	-	1,102
07727	Total Digital 395 Project: North-of-Kramer Area Telecom Network and RAS Upgrades					1,586	108	-	1,694	1,186	69	-	1,254
07763	Eldorado-Lugo 500 kV line: CA side - Install 85 miles of new OPGW between CA/NV border	CET-ET-TP-RN-776304	901665563	High	Jul-24	12,937	16,362	3,000	32,299	12,937	16,362	3,000	32,299
07763	Eldorado-Lugo 500 kV line: NV Side -Install 2 miles of new OPGW between CA/NV border	CET-ET-TP-RN-776305	901665564	High	Jul-24	960	649	-	1,609	960	649	-	1,609
07763	Mohave 500 kV: Install two (2) N60 relays Install one (1) ethernet switch Install one (1)	CET-ET-TP-RN-776302	901484315	High	Apr-24	314	35	-	349	314	35	-	349
07763	Lugo Sub: Install new control cables, update station drawings, and modify settings on existing	CET-ET-TP-RN-776307	902249120	High	Jul-24	86	33	-	119	86	33	-	119
07763	Eldorado: Install equipment to support N-2 monitoring of Eldorado-Lugo 500kV and Lugo-	CET-ET-TP-RN-776308	902249121	High	Apr-24	63	82	-	145	63	82	-	145
07763	Real Properties - Land Acquisition	CET-RP-TP-RL-776308	47022	High	Mar-25	-	250	1,500	1,750	-	220	1,320	1,540
07763	Contingency	CET-ET-TP-RN-776399	7763-Cont	High	Mar-25	-	-	8,669	8,669	-	-	7,629	7,629
07763	Total Lugo-Victorville 500 kV SPS					14,359	17,411	13,169	44,939	14,359	17,381	11,949	43,689
07227	Inyo Substation: Replace Inyo phase shifter and new hybrid circuit breaker. Install 2 pairs of	CET-ET-TP-RN-722701	902379073	High	Oct-21	-	3	-	3	-	3	-	3
07227	Control: Install two N60 relays	CET-ET-TP-RN-722700	902448105	Low	Apr-24	110	10	-	120	110	10	-	120
07227	Total Casa Diablo IV Project Interconnection					110	13	-	123	110	13	-	123
07546	(Removal/Expense) Lugo Sub: Upgrade Terminal Equipment and Series Capacitors on	CET-ET-TP-RL-754601	902287735	High	Feb-25	-	500	537	1,037	-	500	537	1,037
07546	(Removal/Expense) Eldorado	CET-ET-TP-RL-754600	902287734	High	Jun-23	-	1	-	1	-	1	-	1
07546	(Removal/Expense) Mohave	CET-ET-TP-RL-754604	902287736	High	May-23	-	1	-	1	-	1	-	1
07546	Total Eldorado-Lugo-Mohave (ELM) Series Cap Upgrades Project					-	502	537	1,039	-	502	537	1,039
07558	Magunden-Springville 230 kV No.1: Remove 14 existing 220kV lattice structures; Install nine	CET-ET-TP-RL-755800	901192344	High	Feb-22	-	100	525	625	-	100	525	625
07558	Magunden-Springville 230 kV No.2: Remove 14 existing 220kV lattice structures; Install nine	CET-ET-TP-RL-755801	901192345	High	Dec-21	-	100	525	625	-	100	525	625
07558	Lake Success - Contingency	CET-ET-TP-RL-755800	7558-Cont	High	Jun-24	-	-	1,600	1,600	-	-	1,600	1,600
07558	Magunden-Springville No.1 & No.2 Tower Replacement ("Lake Success Towers in					-	200	2,650	2,850	-	200	2,650	2,850
08077	Inyokern 115 kV Relay Upgrades for ATRA	CET-ET-TP-RL-807709	902739835	Low	Dec-24	258	103	-	361	258	103	-	361
08077	Control 115 kV CBs and MEER for ATRA	CET-ET-TP-RL-807706	902739832	Low	Apr-24	9,602	223	-	9,826	9,602	223	-	9,826
08077	Kramer 115 kV Relay Upgrades for ATRA	CET-ET-TP-RL-807710	902739836	Low	Oct-24	2,109	1,403	-	3,512	1,054	701	-	1,756
08077	Tortilla 115 kV CBs nand MEER for ATRA	CET-ET-TP-RL-807713	902739979	Low	May-24	2,543	1,133	-	3,677	2,543	1,133	-	3,677
08077	Eldorado 220 kV (Option 2): Cima-Pisgah #1 220kV (Pos 9N) and Cima-Pisgah #2 220kV	CET-ET-TP-RL-807703	902739829	High	Dec-24	198	268	179	645	198	268	179	645
08077	Pisgah 220 kV (Option 2): A. 220 kV Switchrack -8 BCT Upgrades B. Relays -8 Racks -4 L90	CET-ET-TP-RL-807711	902739837	High	Oct-24	807	794	458	2,059	807	794	458	2,059
08077	Total Annual Transmission Reliability Assessment 2016 - Protection Upgrades (ATRA)					15,518	3,924	637	20,079	14,463	3,223	637	18,323

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Page 2 of 5

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						Prior	2024	2025	Total	Prior	2024	2025	Total
08078	Antelope Sub (RNU) - Install two (2) G.E N60 Logic Processing Relays or equivalent	CET-ET-TP-RN-807800	902220556	High	Dec-22	-	21	-	21	-	21	-	21
08078	Antelope Sub (RNU) - Power System Control. i. Expand existing RTU at SCE Antelope	CET-ET-TP-RN-807801	902220557	High	Feb-24	68	3	-	71	68	3	-	71
08078	Antelope 2 Solar Project Reliability Network Upgrades at Antelope Substation					68	24	-	92	68	24	-	92
08104	New Moorpark-Pardee #4 230 kV line: String roughly 25.5 mile section on vacant side of	CET-ET-TP-RL-810402	902315828	High	Jan-22	-	26	-	26	-	26	-	26
08104	Total Moorpark-Pardee 230 kV No. 4 Circuit Project					-	26	-	26	-	26	-	26
08223	Whirlwind AA Bank Centralized RAS. i. Whirlwind Substation. Utilize two GE N60 logic	CET-ET-TP-RN-822300	902705074	High	Aug-24	268	145	-	412	268	145	-	412
08223	Tehachapi CRAS: i. Whirlwind Substation. Install two GE N60 logic processing relays or	CET-ET-TP-RN-822301	902705075	High	Aug-24	52	328	-	380	52	328	-	380
08223	Willy Interconnection at Whirlwind Substation					320	472	-	792	320	472	-	792
08238	San Bernardino Substation: West of Colorado River CRAS – Devers Extension – generation	CET-ET-TP-RN-823804	902760267	High	Apr-24	424	-	-	424	424	-	-	424
08238	Total Mountainview Generating Station Pmax Increase Project					424	-	-	424	424	-	-	424
08246	Victor Substation- North of Lugo CRAS –Monitoring infrastructure i. Install four (4) GE N60	CET-ET-TP-RN-824600	902768480	High	Aug-24	2	-	-	2	2	-	-	2
08246	Lugo Substation- North of Lugo CRAS –Monitoring infrastructure i. Install four (4) GE N60	CET-ET-TP-RN-824601	902768481	High	Apr-24	11	-	-	11	11	-	-	11
08246	Kramer Substation- North of Lugo CRAS –Monitoring infrastructure Install two (2) GE N60	CET-ET-TP-RN-824602	902768482	High	Dec-25	8	-	-	8	8	-	-	8
08246	Roadway Substation 115/33 North of Lugo CRAS – generator addition. (a) Roadway	CET-ET-TP-RN-824603	902768483	Low	Apr-24	54	60	-	114	54	60	-	114
08246	Roadway Substation– generator addition. Mojave Desert RAS. Install two (2) GE N60 logic	CET-ET-TP-RN-824604	902768484	Low	Jan-24	459	25	-	484	459	25	-	484
08246	Baldy Mesa Project Reliability Network Upgrades					534	85	-	619	534	85	-	619
08298	Windhub Substation. i. Install one (1) 220 kV line position which includes the following	CET-ET-TP-RN-829803	903123443	High	Aug-24	952	617	700	2,269	952	617	700	2,269
08298	Tehachapi centralized RAS – generator addition i. Windhub Substation. Install two (2) GE	CET-ET-TP-RN-829800	903123440	High	Nov-24	178	244	100	522	178	244	100	522
08298	Windhub AA Bank centralized RAS – monitoring infrastructure i. Windhub Substation. 1.	CET-ET-TP-RN-829801	903123441	High	Oct-24	2,266	14	-	2,281	2,266	14	-	2,281
08298	Windhub AA Bank centralized RAS – generation addition i. Windhub Substation. Install two	CET-ET-TP-RN-829802	903123442	High	Nov-24	85	-	-	85	85	-	-	85
08298	Vincent Substation (RNU).1. Remove and salvage Green panels 3R thru 8R in 220kV Relay	CET-ET-TP-RN-829800	904138914	High	Jan-25	107	545	200	852	107	545	200	852
08298	Beliefield Solar Farm Reliability Network Upgrades					3,589	1,420	1,000	6,009	3,589	1,420	1,000	6,009
08294	Pardee Substation	CET-ET-TP-RL-829400	903135849	High	Oct-24	6,480	1,428	-	7,907	6,480	1,428	-	7,907
08294	Pardee-Sylmar 220kV Transmission Line [North Coast Grid ET-00664-04601]:	CET-ET-TP-RL-829401	903135850	High	Feb-23	-	0	-	0	-	0	-	0
08294	Sylmar Substation (Work to be paid for by SCE but performed by LADWP): Upgrade 220kV	CET-ET-TP-RL-829400	903769370	High	Jul-25	-	2,000	2,000	4,000	-	2,000	2,000	4,000
08294	Pardee-Sylmar No. 1 and No. 2 230kV Line Rating Increase Project					6,480	3,428	2,000	11,907	6,480	3,428	2,000	11,907
08355	Tehachapi CRAS – Monitoring infrastructure Whirlwind Substation.	CET-ET-TP-RN-835500	903429710	High	Oct-24	343	141	4	488	343	141	4	488
08355	Tehachapi CRAS – Monitoring infrastructure Vincent Substation.	CET-ET-TP-RN-835502	903429712	High	Sep-24	19	55	100	174	19	55	100	174
08355	Tehachapi CRAS – Monitoring infrastructure Midway Substation	CET-ET-TP-RN-835503	903429713	High	Oct-24	3	60	100	163	3	60	100	163
08355	Tehachapi CRAS – Monitoring infrastructure Windhub Substation	CET-ET-TP-RN-835504	903429714	High	Jul-24	224	347	12	583	224	347	12	583
08355	Whirlwind Substation Tehachapi CRAS – Tripping infrastructure i. Whirlwind Substation. 1.	CET-ET-TP-RN-835500	903548050	High	Jul-24	128	150	145	423	128	150	145	423
08355	TOT909-Q1631 -Glenfeliz Solar Farm					716	754	361	1,830	716	754	361	1,830
08358	Eldorado Substation IF (RNU) Participate and modify the planned Lugo-Victorville CRAS	CET-ET-TP-RN-835800	903427639	High	Aug-24	127	5	387	519	127	5	387	519
08358	Eldorado RNU (IF) Participate in and modify the existing Lugo-Victorville RAS	CET-ET-TP-RN-835801	903427640	High	Aug-23	458	5	-	463	458	5	-	463
08358	TOT796/Q1341, Yellow Pine 2, LLC, Install Reliability Network Upgrades Eldorado					586	10	387	983	586	10	387	983
08107	Kramer Substation (RNU): a. Engineer and construct one 220 kV line position, which	CET-ET-TP-RN-810701	902342409	High	Apr-25	3,370	50	-	3,421	3,370	50	-	3,421
08171	Eldorado Substation (Reliability Network Upgrades):	CET-ET-TP-RN-817100	902460358	High	Apr-24	3,193	380	-	3,573	3,193	380	-	3,573
08207	Colorado River Substation (RNU)	CET-ET-TP-RN-820700	902598927	High	May-24	1,501	1,052	927	3,480	1,501	1,052	927	3,480
08214	Red Bluff Substation (RNU):	CET-ET-TP-RN-821401	902630576	High	Mar-24	2,488	25	1,862	4,375	2,488	25	1,862	4,375
08214	Power System Control (RNU) - Expand CRAS RTUs at Red Bluff Substation to include points	CET-ET-TP-RN-821400	902631060	High	May-24	0	27	-	27	0	27	-	27
08376	VISTA RNU-SCD	CET-ET-TP-RN-837603	903901445	Low	Mar-24	0	4	40	43	0	4	40	43
08392	Red Bluff Sub (RNU)-West of Colorado River centralized RAS.	CET-ET-CR-WC-839202	903531605	High	Oct-24	102	4	49	154	102	4	49	154
07073	Red Bluff RNU: Install 220kV line position.	CET-ET-TP-RN-707300	902494149	High	May-24	390	28	30	448	390	28	30	448
08100	Whirlwind Substation (NU): a. Utilize the shared 230 kV position at Whirlwind Substation to	CET-ET-TP-RN-810000	902326568	High	Aug-24	-	475	130	605	-	475	130	605
08195	Devers Substation (RNU): Engineer and construct one (1) 220 kV line position which includes	CET-ET-TP-RN-819500	902748920	High	Apr-24	2,696	-	-	2,696	2,696	-	-	2,696
08199	Windhub Substation (RNU) a. Install one (1) 220 kV transmission line position which includes	CET-ET-TP-RL-819901	902663178	High	Aug-21	-	48	60	108	-	48	60	108
08220	Red Bluff Sub:Install line/relays/add points.	CET-ET-TP-RN-822004	902699211	High	Dec-21	-	50	50	100	-	50	50	100
08201	Whirlwind Substation (RNU): Whirlwind AA-Bank RAS:	CET-ET-TP-RN-820100	902668204	High	Jun-24	57	374	244	675	57	374	244	675
08285	Whirlwind Substation: a. Install one (1) 230 kV line position which includes the following	CET-ET-TP-RN-828500	903099017	High	Jul-25	23	565	733	1,321	23	565	733	1,321
08380	Kramer Substation (RNU)-	CET-ET-TP-RN-838002	903505987	High	Jun-25	2	29	30	61	2	29	30	61
08380	Mojave Desert RAS – tripping infrastructure (GRNU)	CET-ET-TP-RN-838000	903505985	High	Jun-25	15	169	107	292	15	169	107	292
08380	North of Lugo ("NOL") cRAS – tripping infrastructure (GRNU)	CET-ET-TP-RN-838001	903505986	High	Jun-25	7	295	150	452	7	295	150	452
08380	Aratina Solar Center 2 Project					24	493	287	805	24	493	287	805

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TO2025 Annual Update
Attachment 4
WP-Schedule 16-Summary of ISO Cap Exp Forecast Non-Inc Projects
Page 3 of 5

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				Voltage		Prior	2024	2025	Total	Prior	2024	2025	Total
08448	Laguna Bell Sub	CET-ET-TP-RL-844800	903728254	High	May-25	4,859	5,824	-	10,683	4,859	5,824	-	10,683
08448	Reconductor approximately 5 miles of existing Laguna Bell - Mesa No.1 230 kV Line with	CET-ET-TP-RL-844801	903728255	High	Jun-24	3,564	1,672	-	5,236	3,564	1,672	-	5,236
08448	Laguna Bell-Mesa No. 1 Reconductor - Section 2 (CAISO TPP Project)	CET-ET-TP-RL-844801	903795047	High	Jun-24	9	87	-	96	9	87	-	96
08448	Laguna Bell-Mesa No. 1 Reconductor - Section 3 (CAISO TPP Project)	CET-ET-TP-RL-844801	903795050	High	Jun-24	9	88	-	97	9	88	-	97
08448	Laguna Bell-Mesa No. 1 Reconductor - Section 4 (CAISO TPP Project)	CET-ET-TP-RL-844801	903795052	High	Jun-24	7	87	-	94	7	87	-	94
08448	Laguna Bell-Mesa No. 1 Reconductor - Section 5 (CAISO TPP Project)	CET-ET-TP-RL-844801	903795054	High	Jun-24	15	87	-	103	15	87	-	103
08448	Laguna Bell-Mesa No. 1 Reconductor - Section 6 (CAISO TPP Project)	CET-ET-TP-RL-844801	903795055	High	Jun-24	8	89	-	97	8	89	-	97
08448	Laguna Bell-Mesa No. 1 Reconductor - Section 8 (CAISO TPP Project)	CET-ET-TP-RL-844801	903795373	High	Jun-24	23	86	-	109	23	86	-	109
08448	Laguna Bell-Mesa No. 1 Reconductor - Section 7 (CAISO TPP Project)	CET-ET-TP-RL-844801	903795403	High	Jun-24	14	86	-	101	14	86	-	101
08448	Laguna Bell-Mesa No. 1 Reconductor - Sec	CET-ET-TP-RL-844801	903795372	High	Jun-24	9	88	-	97	9	88	-	97
08448	Laguna Bell-Mesa No. 1 230 kV Line Rating Increase Project					8,518	8,194	-	16,712	8,518	8,194	-	16,712
08269	Whirlwind Substation: Power System Controls.	CET-ET-TP-RL-826900	903115822	High	Nov-24	83	465	298	846	83	465	298	846
08270	Whirlwind Substation:	CET-ET-CR-WC-827000	902924856	High	Nov-24	89	513	331	934	89	513	331	934
08300	Reliability Network Upgrades.	CET-ET-CR-WC-830001	1025188	High	Jun-22	-	-	149	149	-	-	149	149
08426	Eldorado Substation (NU)	CET-ET-CR-WC-842600	903606178	High	Feb-25	29	241	321	591	29	241	321	591
08506	Victor 220 kV Substation:..Equip Position 11 with one (1) circuit breaker (4000 Amp) and two	CET-ET-TP-RL-850600	903911198	High	Aug-25	15	1,983	8,000	9,998	15	1,983	8,000	9,998
08474	Antelope Sub: Replace all 41 66 kV Circuit Breakers from 40 kA to 50 kA.Perform Ground	CET-ET-TP-RN-847401	903773209	Low	Dec-25	2,542	7,592	5,797	15,930	2,542	7,592	5,797	15,930
08457	Red Bluff Substation (RNU).i.Install one (1) 500 kV line position which includes the following	CET-ET-CR-WC-845703	903803894	High	Oct-25	-	218	331	549	-	218	331	549
08538	Red Bluff (GRNU):.a.West of Colorado River CRAS and/or West of Colorado River CRAS	CET-ET-TP-RN-853800	904099164	High	Apr-25	53	293	182	527	53	293	182	527
08602	Sylmar Sub: Replace 230kV/220kV Transformer with one rated for 1290 MVA normal and	CET-ET-LG-SU-860200	904209302	High	Apr-25	0	59	50	109	0	59	50	109
08576	Antelope - Whirlwind - Raise approximately 9 towers in order to fix ground clearance and	CET-ET-TP-RN-857600	904186957	High	Dec-25	1	880	5,118	5,999	1	880	5,118	5,999
08336	COLORADO RIVER-INSTA	CET-ET-CR-WC-833600	903207593	High	Oct-24	154	357	313	825	154	357	313	825
08336	Atlas Solar Generating Facility:	CET-ET-CR-WC-833600	1002367	High	Oct-22	-	15	9	23	-	15	9	23
08336	Atlas Solar Project					154	372	322	848	154	372	322	848
08411	2.Whirlwind AA Bank CRAS	CET-ET-TP-RN-841101	903567160	High	Aug-24	8	229	169	407	8	229	169	407
08411	3.Tehachapi CRAS	CET-ET-TP-RN-841100	903566458	High	Aug-24	9	229	164	402	9	229	164	402
08411	Cyclone Solar Project					17	458	333	808	17	458	333	808
08418	Laguna Bell Substation Interconnection Reliability Network Upgrades	CET-ET-TP-RN-841802	903627525	High	Dec-24	908	628	300	1,837	908	628	300	1,837
08418	Rio Hondo Substation	CET-ET-TP-RN-841801	903627524	High	Dec-24	16	5	9	30	16	5	9	30
08418	Lewis Substation	CET-ET-TP-RN-841800	903627521	High	Mar-24	0	10	20	30	0	10	20	30
08418	Commerce Energy Storage Project					924	643	329	1,897	924	643	329	1,897
08433	Install one RTU at the Large Generating Facility (SCE IF) - Add points to existing RTU at	CET-ET-CR-WC-843300	1126908	High	Jun-25	-	14	32	46	-	14	32	46
08433	Large Generating Facility (SCE IF) TOT905/Q1647 Angora Solar Farm: Install meters	CET-ET-CR-WC-843300	903697891	High	Jun-25	15	38	88	141	15	38	88	141
08433	Mohave 500kV Switching Station (SCE IF)	CET-ET-CR-WC-843301	1126911	High	Jun-25	-	8	19	27	-	8	19	27
08433	Mohave 500kV Switching Station (SCE IF) SCE shall install security cabinets, locks, and	CET-ET-CR-WC-843301	1126912	High	Jun-25	-	5	11	16	-	5	11	16
08433	CRAS Point Additions	CET-ET-CR-WC-843301	1126916	High	Jun-25	-	5	12	17	-	5	12	17
08433	Mohave Sub: Install Tripping Infrastructure	CET-ET-CR-WC-843301	903697892	High	Dec-25	9	163	380	552	9	163	380	552
08433	ED&P scope of work for 500kV Gen-Tie Project					23	233	542	798	23	233	542	798
08342	Windhub Substation	CET-ET-CR-WC-834205	903654150	High	Jul-25	11	3,292	4,405	7,707	11	3,292	4,405	7,707
08342	Windhub Substation	CET-ET-CR-WC-834204	903654149	High	Jul-25	8	206	473	687	8	206	473	687
08342	Whirlwind Sub-	CET-ET-CR-WC-834203	903654148	High	Jul-25	7	34	75	115	7	34	75	115
08342	Vincent Substation	CET-ET-CR-WC-834202	903654147	High	Jul-25	12	34	113	159	12	34	113	159
08342	Midway Substation	CET-ET-CR-WC-834201	903654146	High	Apr-25	2	150	336	488	2	150	336	488
08342	Sanborn Hybrid 3					40	3,716	5,401	9,157	40	3,716	5,401	9,157
08430	Valley Substation:	CET-ET-TP-RN-843000	903643004	High	Jul-24	300	337	-	637	300	337	-	637
08430	Valley Substation-	CET-ET-TP-RN-843001	903642998	High	Feb-24	355	42	-	397	355	42	-	397
08430	Trans Line SOW Re-install jumpers	CET-ET-CR-WC-843002	903891473	High	Oct-24	-	4	-	4	-	4	-	4
08430	Trans Line SOW Re-install jumpers on the Romola Valley 500kV Line	CET-ET-CR-WC-843003	903891474	High	Oct-24	-	5	-	5	-	5	-	5
08430	Menifee Power Bank Project					655	388	-	1,043	655	388	-	1,043
08490	Eldorado Sub	CET-ET-CR-WC-849002	903912132	High	Mar-25	-	69	46	115	-	69	46	115
08490	Eldorado Substation	CET-ET-CR-WC-849000	903876312	High	Mar-25	13	207	138	358	13	207	138	358
08490	Silver State South Solar Project					13	276	184	473	13	276	184	473
08357	Moorpark Substation Interconnection-(RNU): Telecommunication: b. Install required channel	CET-ET-CR-WC-835708	903503023	Low	Aug-24	2	50	-	52	2	50	-	52
08357	Eagle Rock Substation Interconnection-(RNU): Telecommunication: b. Install required	CET-ET-CR-WC-835707	903503022	Low	Aug-24	0	25	-	25	0	25	-	25
08357	Pardee Substation Interconnection-(RNU): 1. a. Install four (4) GE N60 logic processing	CET-ET-CR-WC-835706	903503019	Low	Jun-24	2	75	-	77	2	75	-	77
08357	Pardee Substation Interconnection-(RNU): 1. a. Install four (4) GE N60 logic processing	CET-ET-CR-WC-835709	903503024	Low	Jun-24	1	85	-	86	1	85	-	86
08357	Pardee Substation Interconnection-(RNU): 1. a. Install four (4) GE N60 logic processing	CET-ET-CR-WC-835710	903503025	Low	Dec-24	3	25	-	28	3	25	-	28
						8	260	-	268	8	260	-	268

Summary of ISO Capital Expenditure Forecast - Non-Incentive Projects
(\$000)

TO2025 Annual Update
Attachment 4
WP-Schedule 16-Summary of ISO Cap Exp Forecast Non-Inc Projects
Page 4 of 5

PIN	Project Title	C-WBS	Order #	High/ Low	OD	Project Total (ISO & non-ISO)				ISO Portion			
				Voltage		Prior	2024	2025	Total	Prior	2024	2025	Total
08456	Sylmar.CRAS - Sylmar Sub (OTC).i.Install two (2) GE N60 logic processing relays or	CET-ET-TP-RN-845606	903743082	High	Dec-24	0	3	1	4	0	3	1	4
08456	Sylmar.CRAS - Sylmar Sub (RNU).i.Install two (2) GE N60 logic processing relays or	CET-ET-TP-RN-845605	903743080	High	Jul-24	1	130	386	517	1	130	386	517
08456	Pardee.CRAS - Pardee Sub (RNU).i.Install four (4) GE N60 logic processing relays or	CET-ET-TP-RN-845607	903743083	High	Sep-24	16	336	169	520	16	336	169	520
						17	469	556	1,042	17	469	556	1,042
08473	DEVERS 220 KV/115 KV	CET-ET-TP-RL-847301	903870439	High	Aug-24	25	693	4,386	5,105	25	693	4,386	5,105
08473	Devers 220 kV/115 kV Substation:	CET-ET-TP-RL-847300	903870398	High	Jun-24	27	402	-	429	27	402	-	429
08473	DEVERS 220 KV: 220KV	CET-ET-TP-RL-847302	903870440	High	Jun-25	14	223	4,962	5,199	14	223	4,962	5,199
						66	1,318	9,348	10,732	66	1,318	9,348	10,732
08038	Ellis Ph2 RLA SCE:Re	CET-ET-CR-WS-803800	902179842	High	Jan-19	-	23	168	191	-	6	42	48
08556	ELDORADO SUBSTATION	CET-ET-TP-RN-855600	904215732	High	Mar-25	4	102	204	310	4	102	204	310
08555	ELDORADO SUBSTATION	CET-ET-TP-RN-855500	904215733	High	Mar-25	1	94	189	284	1	94	189	284
						6	219	561	785	6	202	435	643
06957	AAR and DLR program	CET-ET-TP-EC-999999		High	Blanket Specifics	-	4,100	7,677	11,777	-	2,326	2,495	4,821
	Total Transmission Project Reliability					71,388	64,842	70,982	207,211	69,934	62,280	64,454	196,667
Infrastructure Replacement													
03138	Sylmar Convertor Station: Misc Cap	CET-OT-OT-ME-313800		High	Blanket Specifics	-	5,425	3,369	8,794	-	5,425	3,369	8,794
04651	Palo Verde Switchrack: Misc Cap	CET-OT-OT-ME-465100		High	Blanket Specifics	-	5,701	4,351	10,052	-	5,701	4,351	10,052
	Total LADWP/Palo Verde - WORK PERFORMED BY OPERATING AGENT					-	11,126	7,720	18,846	-	11,126	7,720	18,846
04211	Replace Bulk Power Circuit Breakers (220kV and Above)	CET-ET-IR-CB-421100		High	Blanket Specifics	-	6,465	2,606	9,071	-	6,465	2,606	9,071
04343	Non-Bulk Relay Replacement Program ("SRRP")	CET-ET-IR-RP-434301		Low	Blanket Specifics	-	444	81	525	-	444	81	525
04756	Substation Miscellaneous Equipment Additions & Betterment	CET-ET-IR-ME-475600		High	Blanket Specifics	-	10,870	7,703	18,573	-	10,870	7,703	18,573
04837	Replace SAS Infrastructure (FERC)	CET-ET-IR-RP-483701		High	Blanket Specifics	-	131	671	802	-	131	671	802
05089	Bulk Power 500kV & 220kV Line Relay Replacement	CET-ET-IR-RP-508900		High	Blanket Specifics	-	4,057	1,902	5,959	-	4,057	1,902	5,959
08399	Bulk Capital Relay Replacement Program	CET-ET-IR-RP-839900		High	Blanket Specifics	-	72	-	72	-	72	-	72
05210	Substation Transformer Bank Replacement Program (AA-Bank & A-Bank)	CET-ET-IR-TB-521001		High	Blanket Specifics	-	3	-	3	-	3	-	3
06197	On-line Dissolved Gas Analysis of Bulk Power Transformer Banks	CET-ET-IR-ME-619700		High	Blanket Specifics	-	550	1,239	1,789	-	550	1,239	1,789
07713	Substation Switchrack Rebuilds (FERC)	CET-ET-IR-RB-771301		High	Blanket Specifics	-	4,214	5,386	9,599	-	4,214	5,386	9,599
07716	Substation Batteries & Chargers (FERC)	CET-ET-IR-ME-771601		High	Blanket Specifics	-	293	-	293	-	293	-	293
07637	Substation Facility Capital Maintenance	COS-00-RE-MA-NE7637		High	Blanket Specifics	-	8,896	17,896	26,792	-	3,114	6,264	9,377
06987	Substation HVAC Redundancy Program	COS-00-RE-MA-SBHVAC		High	Blanket Specifics	-	-	7,180	7,180	-	-	2,513	2,513
07392	Seismic Program - Bus Rel (FERC)	COS-00-SP-BR-000000		High	Blanket Specifics	-	175	125	300	-	158	113	271
07392	Seismic Program - Trans Subs (FERC)	COS-00-SP-TD-000000		High	Blanket Specifics	-	11,500	12,000	23,500	-	7,481	7,806	15,287
07392	Seismic Program - Trans Lines	COS-00-SP-TD-000002		High	Blanket Specifics	-	3,300	3,300	6,600	-	2,582	2,582	5,165
07392	Seismic Assessment and Mitigation Program for Transmission Assets					-	14,975	15,425	30,400	-	10,221	10,501	20,722
Physical Security Enhancement Programs:													
07949	Protection of Grid Infrastructure Assets (formerly, Physical Security Systems - Electric	COS-00-CS-CS-745400		High	Blanket Specifics	-	11,869	22,371	34,240	-	7,339	13,832	21,171
07949	Protection of Grid Infrastructure Assets (formerly, Physical Security Systems - Electric	COS-00-CS-CS-745401		High	Blanket Specifics	-	7,922	-	7,922	-	4,741	-	4,741
07573	Substation Fence/Gate (Cu Theft) (aka, Security Fence and Lights Upgrade) (FERC)	CET-ET-IR-ME-757301		High	Blanket Specifics	-	98	2,397	2,495	-	98	2,397	2,495
08042	500/230 kV (ES-5067): Physical Security Tier 2	CET-ET-IR-ME-804200	902210275	High	Sep-23	-	36	-	36	-	30	-	30
08042	500/230 kV (ES-5047): Physical Security Tier 2	CET-ET-IR-ME-804202	902210277	High	Sep-23	-	161	-	161	-	161	-	161
08042	500/230 kV (ES-8060): Physical Security Tier 2	CET-ET-IR-ME-804203	902210452	High	Apr-24	3,110	2,228	-	5,338	3,110	2,228	-	5,338
08042	500/230 kV (ES-5079): Physical Security Tier 2	CET-ET-IR-ME-804204	902210453	High	Apr-24	2,051	3,057	-	5,107	1,825	2,720	-	4,546
08042	500/230 kV (ES-5070): Physical Security Tier 2	CET-ET-IR-ME-804201	903511341	High	Dec-24	1,000	4,627	7,756	13,383	400	1,851	3,102	5,353
08042	500/230 kV (ES-5031): Physical Security Tier 2	CET-ET-IR-ME-804206	903897059	High	Feb-25	311	405	4,998	5,714	293	380	4,698	5,371
08042	500/230 kV (ES-8369): Physical Security Tier 2	CET-ET-IR-ME-804206	903897060	High	Aug-25	25	880	2,398	3,304	25	880	2,398	3,304
08042	500/230 kV (ES-5071): Physical Security Tier 2	CET-ET-IR-ME-804206	903864281	High	Jun-24	27	1,555	-	1,582	6	364	-	370
08042	500/230 kV (ES-8367): Physical Security Tier 2	CET-ET-IR-ME-804200	903897669	High	May-25	27	670	2,684	3,381	27	670	2,684	3,381
08042	500/230 kV (ES-5023): Physical Security Tier 2	CET-ET-IR-ME-804206	903907357	High	Sep-24	176	938	217	1,331	55	291	67	413
08042	500/230 kV (ES-5084): Physical Security Tier 2	CET-ET-IR-ME-804206	903978044	High	Sep-24	45	877	361	1,283	5	105	43	154
08042	Inyokern Town Sub SB-699-Provide infrastructure (foundation, trenching) for security camera	CET-ET-IR-ME-804206	903885784	Low	Apr-24	36	344	-	380	9	85	-	94
08042	Physical Security Projects (Tiers 2 & 3)					6,808	15,777	18,415	41,000	5,755	9,766	12,993	28,515
	Total Physical Security Enhancement Programs					6,808	35,667	43,183	85,658	5,755	21,944	29,222	56,921
	Total Infrastructure Replacement					6,808	97,762	110,991	215,561	5,755	73,503	75,808	155,066

Summary of ISO Capital Expenditure Forecast - Non-Incentive Projects
(\$000)

TO2025 Annual Update
Attachment 4
WP-Schedule 16-Summary of ISO Cap Exp Forecast Non-Inc Projects
Page 5 of 5

PIN	Project Title	C-WBS	Order #	High/ Low	OD	Project Total (ISO & non-ISO)				ISO Portion			
				Voltage		Prior	2024	2025	Total	Prior	2024	2025	Total
Grid Applications													
08284	Colorado River Substation (Removal CRC RAS)	CET-ET-CR-WC-828400	903109578	High	Apr-24	483	750	-	1,233	483	750	-	1,233
08284	Vista Sub: Install relays/Add points.	CET-ET-GA-CR-828401	902699207	High	Apr-24	2,557	-	-	2,557	2,557	-	-	2,557
08284	San Bernardino Sub:Install relays/add points	CET-ET-GA-CR-828407	902699210	High	Apr-24	941	-	-	941	941	-	-	941
08284	Mira Loma Sub:Add relays/add points	CET-ET-GA-CR-828402	902699212	High	Apr-24	798	-	-	798	798	-	-	798
08284	Serrano Sub (RNU): Install relays/add points.	CET-ET-GA-CR-828401	902699209	High	Apr-24	953	-	-	953	953	-	-	953
08284	Valley Sub (RNU):Add relays/points.	CET-ET-GA-CR-828400	902699208	High	Apr-24	1,296	-	-	1,296	1,296	-	-	1,296
08284	Etiwanda Sub:Install relays/Add points.	CET-ET-GA-CR-828403	902699213	High	Apr-24	883	-	-	883	883	-	-	883
08284	Devers Sub:Install relays/add points	CET-ET-GA-CR-828403	902699214	High	Apr-24	1,666	-	-	1,666	1,666	-	-	1,666
08284	West of Colorado River CRAS Inland/Devers Extension					9,577	750	-	10,327	9,577	750	-	10,327
08345	Install corporate security equipment to support CRAS Mohave, Eldorado and Lugo	CET-ET-GA-CR-834500	1070716	High	May-25	-	-	500	500	-	-	500	500
08345	Power system controls (PSC) software application updates	CET-ET-GA-CR-834500	8345-PCS	High	May-25	-	-	792	792	-	-	792	792
08345	Mohave -Install 150 linear -ft of 4' x 4' cable tray -Install one (1) pair of monitoring relays -	CET-ET-GA-CR-834500	903333163	High	May-25	219	150	400	769	219	150	400	769
08345	Eldorado -Install 150 linear -ft of 4' x 4' cable tray -Install four (4) Ethernet Switches -Install	CET-ET-GA-CR-834501	903333164	High	May-25	77	200	600	877	77	200	600	877
08345	Lugo -Install 150 linear -ft of 4' x 4' cable tray -Install two (2) Ethernet Switches -Install one (1)	CET-ET-GA-CR-834501	903333165	High	May-25	120	150	400	670	120	150	400	670
08345	Total Lugo-Victorville Centralized RAS					416	500	2,692	3,608	416	500	2,692	3,608
06446	VARIOUS: INSTALL PHASOR MEASUREMENT SYSTEM	CET-ET-GA-EM-644600		High	Blanket Specifics	-	1,620	140	1,760	-	1,620	140	1,760
	Total Grid Apps					9,993	2,870	2,832	15,695	9,993	2,870	2,832	15,695
PWRD Blankets													
03363	Substation Planned Maintenance Replacements	CET-PD-IR-SP-SUBSNW		High	Blanket Specifics	-	18,536	11,769	30,305	-	7,813	4,960	12,773
03363	Substation Unplanned Maintenance Replacements	CET-PD-BM-SU-SUBSNW		High	Blanket Specifics	-	26,255	25,736	51,991	-	6,661	6,530	13,191
03363	Substation - Storm	CET-PD-ST-SS-SUBSNW		High	Blanket Specifics	-	856	859	1,715	-	7	7	14
03363	Substation Maintenance, Breakdown, & Storm					-	45,647	38,364	84,011	-	14,481	11,497	25,978
07890	Pardee-Pastoria 220kV: Re-conductor (San Joaquin & North Coast)	CET-PD-IR-TP-789000	904260319	High	Dec-25	100	14,978.8	10,167.0	25,246	100	14,979	10,167	25,246
07890	Pardee-Pastoria 220kV: Re-conductor (San Joaquin & North Coast)	CET-PD-IR-TP-789000	904260320	High	Dec-25	22	15,549.3	20,333.0	35,904	22	15,549	20,333	35,904
07890	Transmission Maintenance Planned - OH Conductors	CET-PD-IR-TP-789000		High	Blanket Specifics	-	1,942	1,019	2,961	-	1,942	1,019	2,961
03364	Transmission Breakdown Maintenance Unplanned	CET-PD-BM-TU-TRSJAC		High	Blanket Specifics	-	3,133	2,963	6,096	-	746	705	1,451
03364	Transmission Tower Corrosion Program	CET-PD-IR-TS-TRSJAC		High	Blanket Specifics	-	14,657	6,616	21,273	-	10,260	4,631	14,891
03364	Transmission Small Civil	CET-PD-IR-TC-TRSJAC		Low	Blanket Specifics	-	12,645	4,093	16,738	-	6,062	1,962	8,024
03364	Transmission Grid-Based Maintenance	CET-PD-IR-TG-TRSJAC		High	Blanket Specifics	-	12,763	10,212	22,975	-	3,049	2,440	5,489
	Transmission Maintenance & Breakdown Maintenance					122	75,669	55,403	131,194	122	52,587	41,257	93,966
03364	Transmission Deteriorated Pole Repl & Restoration	CET-PD-IR-TR-TRSJAC		Low	Blanket Specifics	-	118,127	99,606	217,733	-	8,676	7,316	15,992
04057	Pole Loading Transmission Pole Replacements	CET-PD-IR-PT-TRSJAC		Low	Blanket Specifics	-	13,804	303	14,107	-	111	2	114
04056	Steel Stub Pole Remediation (Trans)	CET-PD-OT-SF-TRORAN		Low	Blanket Specifics	-	60	96	156	-	1	2	3
	Transmission Poles (Pole Loading & Deteriorated Pole Programs)					-	131,990	100,006	231,996	-	8,789	7,320	16,109
07298	Transmission Line Rating Remediation (Exempt from Licensing)	CET-PD-OT-PJ-729801		High	Blanket Specifics	-	21,379	58,764	80,143	-	21,379	58,764	80,143
03362	Critical Infrastructure Spares - FERC Spare Transformer Equipment Program	CET-PD-CI-CI-CRINSP		High	Blanket Specifics	-	4,207	4,403	8,611	-	4,207	4,403	8,611
03367	Substation - Claim	CET-PD-CL-SC-SUBSNW		High	Blanket Specifics	-	524	517	1,041	-	10	10	20
03367	Transmission - Claim	CET-PD-CL-TC-TRSJAC		High	Blanket Specifics	-	3,757	3,598	7,355	-	265	254	519
03367	Transmission - Storm	CET-PD-ST-TS-TRSJAC		High	Blanket Specifics	-	8,404	8,244	16,648	-	3,989	3,913	7,902
03367	Transmission Storm & Claims					-	12,685	12,359	25,044	-	4,264	4,177	8,441
08224	Trans Emerg Dry Fuels Remediation FERC	CET-PD-FR-TF-822601		Low	Blanket Specifics	-	5	4	9	-	5	4	9
08224	EOI Replacements - T (FERC)	CET-PD-WM-TP-822401		Low	Blanket Specifics	-	281	277	558	-	281	277	558
08224	Transmission Splice FERC	CET-PD-WM-TS-822401		Low	Blanket Specifics	-	-	7	7	-	-	7	7
08224	Total PWRD Blankets					-	285	288	573	-	285	288	573
Total Non-Incentive Transmission Projects						122	291,863	269,587	561,571	122	105,993	127,707	233,821
Total Forecast Specific Project Expenditures (Closing by December 2025)						92,600	463,082	460,620	1,016,302	90,093	250,389	277,029	617,511
Total Forecast Specific Project Expenditures (Closing by December 2025)						92,600	114,042	121,140	327,782	90,093	107,241	114,373	311,707
Total Forecast Blanket Expenditures (Closing by December 2025)						-	349,039	339,481	688,520	-	143,148	162,656	305,804