

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

PIN	Project Title	Order #	High/ Low	OD	Project Total (ISO & non-ISO)				ISO Portion			
			Voltage		Prior	2022	2023	Total	Prior	2022	2023	Total
Incentive Transmission Projects includes only Direct Installation Expenditures												
Various Tehachapi - Segments 1-3												
04928	TRTP 1 Environmental Restoration	903216224	High	Dec-21	100	200	-	300	100	200	-	300
04928	Total Segment 1				100	200	-	300	100	200	-	300
Various Tehachapi - Segments 4-11												
05243	TRTP 6 Environmental Restoration, Oak Tree Mitigation, Escrow Close-Out	903216225	High	Dec-30	1,815	1,750	1,546	5,111	1,815	1,750	1,546	5,111
05243	Total Segment 6				1,815	1,750	1,546	5,111	1,815	1,750	1,546	5,111
06438	TRTP 11 Environmental Restoration, Oak Tree Mitigation, Escrow Close-Out	903216563	High	Dec-24	425	423	252	1,100	425	423	252	1,100
06438	Total Segment 7				425	423	252	1,100	425	423	252	1,100
06439	New 33 mile Vincent-Mira Loma 500kV T/L	800218645	High	Mar-15	-	2	-	2	-	2	-	2
06439	TRTP 7 Environmental Restoration	903216565	High	Dec-24	195	194	111	499	195	194	111	499
06439	Total Segment 8				195	196	111	501	195	196	111	501
07553	Acquire Easements for TRTP Segment 8A	801025887	High	Mar-16	-	9	-	9	-	9	-	9
07553	TRTP-Segment 8A CHUG: Land/ Easements Acquisition/ Condemnation	801479004	High	Jun-21	155	0	-	155	155	0	-	155
07553	TRTP CHUG Environmental Restoration, Remediation	903216567	High	Dec-27	125	124	621	870	125	124	621	870
07553	ACQ/CHUG TRTP 8-Remediation	801985647	High	Dec-25	88	50	-	138	88	50	-	138
07553	Total Segment 8A (TRTP 500 kV Underground)				368	183	621	1,172	368	183	621	1,172
06442	Mesa-Vincent #1 500kV T/L	800217339	High	Apr-15	-	2	-	2	-	2	-	2
06442	TRTP 8 Environmental Restoration	903216561	High	Dec-30	1,433	1,250	1,100	3,783	1,433	1,250	1,100	3,783
06442	Total Segment 11				1,433	1,252	1,100	3,785	1,433	1,252	1,100	3,785
Total Tehachapi Segments 4-11 - Incentive Qualified					4,236	3,804	3,629	11,669	4,236	3,804	3,629	11,669
Total Tehachapi - Segments 1-11 Incentive Qualified					4,336	4,004	3,629	11,969	4,336	4,004	3,629	11,969
08169 Colorado River Substation Expansion (CRSE)												
08169	Colorado River Substation: Installation of the 2nd AA 1120MVA 500/220kV transformer bank	902519003	High	Nov-21	-	1,050	-	1,050	-	1,050	-	1,050
08169	Total CRSE				-	1,050	-	1,050	-	1,050	-	1,050
06902 Calcite Substation (formerly Jasper; part of South of Kramer)												
06902	Calcite Substation (SCE Funded): Construct new Calcite 220kV Substation (switching station) to interconnect the Ord Mountain gen-tie and the Sorrel I Solar Farm gen-tie	900295954	High	Mar-24	4,274	988	15,080	20,342	4,274	988	15,080	20,342
06902	Total Calcite				4,274	988	15,080	20,342	4,274	988	15,080	20,342
06420 West of Devers												
06420	Devers Sub: Install 220kV CBs & DSs	901453922	High	Mar-22	-	600	-	600	-	600	-	600
06420	Rebuild Devers-El Casco & El Casco-San Bernardino 220 kV lines with 2B-1590 ACSR on double circuit towers	901460764	High	May-21	358,601	2,516	2,874	363,991	358,601	2,516	2,874	363,991
06420	Vista Sub: Install Disconnects	901453926	High	Feb-20	-	13	-	13	-	13	-	13
06420	Condemnation	802120834	High	Dec-22	368	6,500	-	6,868	368	6,500	-	6,868
06420	Total West of Devers				358,969	9,629	2,874	371,472	358,969	9,629	2,874	371,472
06092 Alberhill System												
06092	Licensing Phase - Site Selection, PEA/Application Preparation, Environmental Surveys and CPUC Licensing Review.	800063633	High	Jan-26	28,805	1,599	2,100	32,504	15,094	838	1,100	17,032
06092	Valley: Replace existing LFCB relay with SEL-311L relay on Valley 500kV position 7XS. Replace existing SEL-311C/RFL9745 relay with SEL-311L relay on Valley 115kV position 3S.	800374409	High	Nov-24	9	-	-	9	6	-	-	6
06092	Replace existing LFCB relay with SEL-311L relay on Serrano 500kV position 3E	800374410	High	Dec-24	3	-	-	3	3	-	-	3
06092	Alberhill Real Properties Acquisition	800796373	High	Dec-22	84	-	-	84	41	-	-	41
06092	Alberhill-Serrano 500kV: Form the Alberhill-Serrano 500 kV line by looping the existing Serrano-Valley 500 kV line into Alberhill Sub.	900502072	High	Feb-24	201	-	-	201	201	-	-	201
06092	Alberhill-Valley 500kV: Form the Alberhill-Valley 500 kV line by looping the existing Serrano-Valley 500 kV line into Alberhill Substation	900502073	High	Jan-24	41	-	-	41	41	-	-	41
06092	Total Alberhill System				29,141	1,599	2,100	32,841	15,385	838	1,100	17,323

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07546	Eldorado-Lugo-Mohave Upgrade												
07546	ELMSC Real Properties Acquisition	801648460	High	Sep-22	1,050	254	-	1,304	1,050	254	-	1,304	
07546	Eldorado Sub: Upgrade Terminal Equipment	901056467	High	Jun-23	23,824	3,722	3,056	30,602	23,824	3,722	3,056	30,602	
07546	Lugo Sub: Upgrade Terminal Equipment and	901056468	High	Jun-23	31,547	3,506	2,207	37,260	31,547	3,506	2,207	37,260	
07546	Mohave Sub:Install CBs, Disc.&series cap	901490550	High	Jun-22	29,916	4,613	2,354	36,883	29,916	4,613	2,354	36,883	
07546	Mid-Line Cap:Inst cap on Eldor Lugo T/L	901624163	High	Jun-23	23,049	5,328	2,581	30,958	23,049	5,328	2,581	30,958	
07546	Inst Eldo-Lug-Mhve Series Caps at Ludlow	901826564	High	Nov-22	23,506	5,370	1,795	30,671	23,506	5,370	1,795	30,671	
07546	Eldorado-Mohave T/L: Instal OPGW, splice	901904770	High	Dec-21	7,404	1,559	545	9,508	7,404	1,559	545	9,508	
07546	Lugo-Mohave T/L(CA): Instal OPGW, splice	901904772	High	Aug-23	24,503	5,168	528	30,199	24,503	5,168	528	30,199	
07546	Lugo-Mohave T/L(NV): Instal OPGW, splice	901904773	High	Aug-23	909	954	81	1,944	909	954	81	1,944	
07546	Eldorado-Lugo T/L(CA): Clear infractions	901904774	High	Aug-23	3,359	2,675	173	6,207	3,359	2,675	173	6,207	
07546	Total Eldorado-Lugo-Mohave Upgrade				169,068	33,149	13,320	215,537	169,068	33,149	13,320	215,537	
07555	Mesa Substation												
07555	Build new Mesa 230/66/16 kV substation. Install an L90 relay, since an L90 relay is being added at Walnut Substation.	900959223	High	Dec-19	-	3	-	3	-	2	-	2	
07555	Relocation of the Laguna Bell-Rio Hondo, Lighthipe-Mesa, Goodrich-Laguna Bell, Eagle Rock-Mesa, Mesa-Vincent #1 and 2, Redondo-Mesa, Center-Mesa, and Mesa-Walnut 230kV lines	901197441	High	Jun-20	-	1	-	1	-	1	-	1	
07555	Mesa: Upgrade Mesa from a 230/66/16kV substation to a 500/230/66/16kV substation	902178838	High	Dec-22	177,411	30,967	791	209,169	177,411	30,967	791	209,169	
07555	Mesa-Mira Loma: Install 2 new structures and 1600 ckt ft of conductor	902124234	High	Jun-22	5,595	53	-	5,648	5,595	53	-	5,648	
07555	Mesa-Vincent: Install 1600 ckt ft of conductor	902124235	High	Aug-23	995	904	-	1,900	995	904	-	1,900	
07555	Mira Loma 500kV T/L: Install (1) L90 relay. Install (2) SEL-411L relays. Install (2) RFL-9745 channels.	902472308	High	Jul-22	163	48	-	211	163	48	-	211	
07555	Vincent 500 kV T/L: Install (1) L90 relay. Install (2) SEL-411L relays. Install (2) RFL-9745 channels	902472309	High	May-22	397	27	-	423	397	27	-	423	
07555	Total Mesa Substation				184,562	32,003	791	217,356	184,562	32,001	791	217,354	
05450	Riverside Transmisison Riability Project (RTRP)												
05450	Mira Loma-Vista No. 1 220 kV T/L: Engineer and construct approximately 10 miles of new line	800062516	High	Jul-23	11,449	-	-	11,449	11,449	-	-	11,449	
05450	WILDLIFE (FORMERLY JURUPA 5057-5001): Engineer, design, a 220kV Interconnection Facility to loop the existing Mira Loma-Vista	800062777	High	Feb-24	6,984	-	-	6,984	6,984	-	-	6,984	
05450	RTRP-Real Property	801979678	High	Dec-22	1	46,890	-	46,892	1	46,843	-	46,845	
05450	Vista Sub: Upgrade the line protection on the existing	901487150	High	Jan-24	1	200	-	201	1	200	-	201	
05450	Mira Loma Sub: Upgrade line protection on the existing	901487151	High	Oct-24	1	131	-	132	1	131	-	132	
05450	Mira Loma-Vista No. 1 220kV T/L UG: Engineer and construct approximately 2 miles of new 220kV underground double circuit line.	902220349	High	Mar-23	5,172	29,385	132,127	166,685	5,172	29,385	132,127	166,685	
05450	MIRA LOMA-VISTA NO.1 Substation	903112093	High	Apr-25	1,033	120	23,660	24,812	1,033	120	23,660	24,812	
05450	WILDLIFE -Sub SCE -CAISO Controlled facilities	903112254	High	Apr-26	21	1	85	107	21	1	85	107	
05450	Total Riverside Transmisison Riability Project				24,661	76,728	155,871	257,260	24,661	76,681	155,871	257,213	
Total Incentive Transmission Projects					775,011	159,149	193,666	1,127,827	761,255	158,340	192,667	1,112,261	
Total Incentive Transmission Projects (Closing by Dec 2023)					729,560	152,320	149,112	1,030,992	729,517	152,272	149,112	1,030,901	