

Summary of ISO Capital Expenditures - Incentive Projects  
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PIN	Project Title	Order #	High/Low Voltage	OD	Project Total (ISO & non-ISO)				ISO Portion			
					Prior	2013	2014	Total	Prior	2013	2014	Total
04847	Devers-Colorado River DEVERS-Colorado River: PRELIMINARY ENGINEERING & LICENSING Devers-Valley #1 500K T/L Relocate Facilities Loop in DPV#1 into Colorado River Substation DEVERS-Colorado River NO. 2 500KV T/L (CA): BUILD 110 MI single circuit 500KV T/L DEVERS-Colorado River JCT SERIES CAPACITOR (CA): INSTALL A NEW 2700A, 875MVAR SERIE DEVERS-VALLEY #2 500KV T/L: BUILD A NEW 41.6 MILE SINGLE-CIRCUIT 500KV T/L DEVERS SUB: REPLACE CIRCUIT BREAKERS DEVERS SUB: EXTEND BUS TWO POSITIONS TO THE WEST AND EQUIP NEW POSITION 8 VALLEY SUB: INSTALL A LINE POSITION TO TERMINATE THE DEVERS-VALLEY #2 T/L Colorado River Switchyard Development of the Material Yards and helicopter assembly yards DEVERS-Colorado River ACQUIRE EASEMENT Devers Valley - Acquire various rights of way Mirage: Install add'l conduits within the substation to accommodate fiber optic circuitry.	800062522	High	Sep-13	29,338	(29,338)	-	0	29,338	(29,338)	-	0
		800504834	High	Sep-13	4,946	34	-	4,980	4,946	34	-	4,980
		800504836	High	Sep-13	8,319	432	-	8,751	8,319	432	-	8,751
		800062494	High	Sep-13	244,583	100,620	9,087	354,290	244,583	100,620	9,087	354,290
		800063033	High	Sep-13	11,671	21,669	2,252	35,591	11,671	21,669	2,252	35,591
		800062527	High	Sep-13	112,931	112,078	13,415	238,425	112,931	112,078	13,415	238,425
		800062846	High	Sep-13	2,790	283	-	3,073	2,790	283	-	3,073
		800062850	High	Sep-13	13,586	4,729	16	18,331	13,586	4,729	16	18,331
		800062902	High	Sep-13	5,899	1,806	58	7,763	5,899	1,806	58	7,763
		8000403645	High	Sep-13	67,206	34,060	120	101,386	67,206	34,060	120	101,386
		800418261	High	Sep-13	11,280	(8,009)	(3,271)	(1)	11,280	(8,009)	(3,271)	(1)
		800051690	High	Sep-13	971	1	-	972	971	1	-	972
		800051691	High	Sep-13	2,099	99	-	2,198	2,099	99	-	2,198
		900716073	High	Feb-13	48	366	-	415	48	366	-	415
					515,665	238,832	21,677	776,174	515,665	238,832	21,677	776,174

Various Tehachapi - Segment 3B & 3C

07183	230 kV Transmission Line Between Highwind and Winhub Substations	800062547	High	Dec-12	-	693	-	693	-	693	-	693
07183	New Highwind 220kV Substation Construction	800063658	High	Dec-12	-	(45)	-	(45)	-	(45)	-	(45)
07183	CRE Seg 3B	800452215	High	Dec-12	3,178	14	-	3,191	3,178	14	-	3,191
07183	Highwind-Windhub 230KV transmission line cathodic protection	900604086	High	Dec-12	-	1,918	-	1,918	-	1,918	-	1,918
	Total Segment 3B				3,178	2,580	-	5,757	3,178	2,580	-	5,757
07014	Windhub Substation 500KV Upgrade	800219424	High	Dec-12	-	2	-	2	-	2	-	2
07014	Windhub Substation install transformer banks	800219436	High	Dec-12	-	6,027	-	6,027	-	6,027	-	6,027
07014	Antelope Substation 500KV Upgrades	800219505	High	Dec-12	-	418	-	418	-	418	-	418
07014	Vincent Substation 500KV Equip One Position	800219631	High	Dec-11	-	-	-	-	-	-	-	-
07014	Magunden Relays	900692988	High	Dec-12	26	16	-	41	26	16	-	41
07014	TRTP 3C-6 Antelope Substation Upgrade	800219567	High	Dec-12	4	(4)	-	-	4	(4)	-	-
	Total Segment 3C				30	6,459	-	6,489	30	6,459	-	6,489
	Total Tehachapi Segment 3B & 3C				3,207	9,039	-	12,246	3,207	9,039	-	12,246
	Total Tehachapi Segments 1-3 - Incentive Qualified				3,207	9,039	-	12,246	3,207	9,039	-	12,246

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Various Tehachapi - Segments 4-11												
05243	New Vincent-Duarte 500KV T/L	800217316	High	Nov-13	83,371	79,923	22,594	185,888	83,371	79,923	22,594	185,888
05243	New Vincent-Angeles National Forest (ANF) 500KV T/L	800217230	High	Nov-13	19,107	9,664	184	28,955	19,107	9,664	184	28,955
05243	Tehachapi Renewable Acquire Easement	800051930	High	Nov-13	986	1	-	987	986	1	-	987
05243	Total Segment 6				103,464	89,588	22,778	215,829	103,464	89,588	22,778	215,829
05472	ANTELOPE-VINCENT #2 500KV T/L: PRELIM ENGINEERING AND ENVIRONMENTAL STUDIES	800062539	High	Feb-15	41,644	(30)	-	41,614	41,644	(30)	-	41,614
05472	Reconfigure Antelope-Vincent-Windhub T/L	800217225	High	Jan-13	4,692	(4,808)	-	(116)	4,692	(4,808)	-	(116)
05472	Antelope Vincent #2 500KV T/L	800217232	High	Jan-13	105,404	5,566	1,686	112,656	105,404	5,566	1,686	112,656
05472	TRTP 4-11: Licensing	800433760	High	Feb-15	9,419	1,224	-	10,643	9,419	1,224	-	10,643
05472	Tehachapi Renewable Acquire Easement	800051902	High	Jan-13	3,052	1,061	-	4,113	3,052	1,061	-	4,113
05472	Total Segment 5				164,211	3,013	1,686	168,910	164,211	3,013	1,686	168,910
06435	Antelope-Whirlwind 500KV T/L	800217116	High	Apr-12	-	3,345	-	3,345	-	3,345	-	3,345
06435	Path 26 Loop	800217211	High	Jan-13	10,864	(56)	-	10,808	10,864	(56)	-	10,808
06435	Antelope Transmission Real Properties	800051900	High	Jan-13	14,287	668	-	14,955	14,287	668	-	14,955
06435	Antelope-Windhub 500KV T/L Cross over elimination	900269206	High	Jan-13	3	4,809	-	4,812	3	4,809	-	4,812
06435	Midway-Vincent No 3 Ground clearance upgrade	900271208	High	Jan-13	3	-	-	3	3	-	-	3
06435	Total Segment 4				25,156	8,766	-	33,922	25,156	8,766	-	33,922
06438	New Vincent-Rio Hondo #2 500KV T/L	800218130	High	Dec-14	12,960	1,197	15	14,172	12,960	1,197	15	14,172
06438	New Antelope-Mesa 500KV T/L	800218138	High	Jan-15	95,480	18,208	22,003	135,691	95,480	18,208	22,003	135,691
06438	Tehachapi Renewable Acquire Easement	800051909	High	Jan-15	1,558	3,100	-	4,658	1,558	3,100	-	4,658
06438	Total Segment 7				109,998	22,505	22,018	154,521	109,998	22,505	22,018	154,521
06439	Construct 1.33 mi. 220KV T/L at Rose Hills	800218522	High	Mar-15	7,511	5,259	3,109	15,879	7,511	5,259	3,109	15,879
06439	Construct 220KV T/L at Water Tank/Fullerton Rd.	800218551	High	Nov-11	-	(136)	-	(136)	-	(136)	-	(136)
06439	Chino-Mira Loma #1 & #2 230KV T/L	800218618	High	Jun-11	-	422	378	800	-	422	378	800
06439	New 33 mile Vincent-Mira Loma 500KV T/L	800218645	High	Mar-15	170,804	54,483	56,378	281,665	170,804	54,483	56,378	281,665
06439	Segment 8 licensing, Assigned Commissioner's Ruling (ACR) alternate routes	900610533	High	Mar-15	3,200	2,253	-	5,452	3,200	2,253	-	5,452
06439	Tehachapi Renewable Acquire Easement	800051911	High	Mar-15	13,756	359	-	14,115	13,756	359	-	14,115
06439	Chino Hills State Park 500KV reroute alternative	800375079	High	Mar-15	115	-	-	115	115	-	-	115
06439	Total Segment 8				195,386	62,640	59,866	317,891	195,386	62,640	59,866	317,891

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06440	TRTP SEGMENT 9: WHIRLWIND - CONSTRUCT NEW SUBSTATION	800216839	High	Feb-12	-	2,034	-	2,034	-	2,034	-	2,034
06440	TRTP SEGMENT 9: ANTELOPE - CONSTRUCT ADDITION TO EXISTING SUBSTATION	800216848	High	Feb-12	-	793	-	793	-	793	-	793
06440	TRTP SEGMENT 9: VINCENT - EXTEND 500KV SWITCHCRACK ADDING FOUR BAY POSITIONS. EXTEND 220KV SWITCHCRACK ADDING ONE BAY POSITION.	800216929	High	Dec-13	66,535	1,070	-	67,605	66,535	1,070	-	67,605
06440	TRTP SEGMENT 9: WINDHUB - CONSTRUCT 500KV SWITCHYARD & AA TRANSFORMER BANK	800217014	High	Jun-12	-	1,004	-	1,004	-	1,004	-	1,004
06440	TRTP SEGMENT 9: MESA SUB - EQUIP 220KV line protection	800218099	High	Jun-13	2,546	745	-	3,291	2,546	745	-	3,291
06440	TRTP SEGMENT 9: MIRA LOMA SUB - EQUIP 1 500KV line protection	800218712	High	Jun-13	19,572	1,679	756	22,007	19,572	1,679	756	22,007
06440	TRTP SEGMENT 9: VINCENT - EXTEND 500KV SWITCHCRACK ADDING FOUR BAY POSITIONS	800219576	High	Jun-13	28	16	-	45	28	16	-	45
06440	TRTP SEGMENT 9: GOULD - ADD CB'S ON TRANSFORMERS TO COMPLY WITH L&B CRITERIA. ADD NEW 220KV LINE POSITION (PART OF SEGMENT 9-1)	800219704	High	May-12	-	48	-	48	-	48	-	48
06440	TRTP SEGMENT 9: CHINO SUB - PROTECTION CHANGES	900280844	High	Dec-12	-	0	-	0	-	0	-	0
06440	TRTP SEGMENT 9: VINCENT - RAS to support Whirlwind Acceleration	900389798	High	Dec-12	-	2	-	2	-	2	-	2
06440	TRTP SEGMENT 9: LUGO SUB: Replace protective relays for Mira Loma #3 500KV T/L	900516432	High	May-13	221	751	-	972	221	751	-	972
06440	TOTAL SEGMENT 9 CRE COST	800208721	High	Jun-12	4,014	0	-	4,014	4,014	0	-	4,014
06440	TRTP SEGMENT 9: WHIRLWIND - ACCELERATION	900390201	High	Sep-11	-	1	-	1	-	1	-	1
06440	Vincent Substation Administration and Control Building	900817489	High	Nov-13	-	13,244	5,269	18,513	-	13,244	5,269	18,513
06440	800148387 Antelope - Construct addition to station	800148391	High	May-12	18	3	-	22	18	3	-	22
06440	800148389 Windhub - Construct 500KV switchyard	800157254	High	May-12	17	(26)	-	(9)	17	(26)	-	(9)
06440	800148388 Whirlwind - Construct new substation	800157256	High	May-12	29	20	-	49	29	20	-	49
06440	Total Segment 9				92,981	21,384	6,024	120,389	92,981	21,384	6,024	120,389
06441	Whirlwind - Windhub 500KV T/L	800217239	High	Apr-12	-	2,015	-	2,015	-	2,015	-	2,015
06441	TRTP Seg 10 - Acquire Easement	800208725	High	Apr-12	-	2	-	2	-	2	-	2
06441	Total Segment 10				-	2,018	-	2,018	-	2,018	-	2,018
06442	Mesa-Vincent #1 500KV T/L	800217339	High	May-15	25,182	19,056	57,662	101,899	25,182	19,056	57,662	101,899
06442	Mesa-Gould 220KV T/L	800217366	High	May-15	8,684	1,912	2,985	13,581	8,684	1,912	2,985	13,581
06442	Connect to Vincent & Eagle Rock to Gould	800217381	High	May-15	1,841	190	1,531	3,561	1,841	190	1,531	3,561
06442	TRTP Seg 11 - Acquire Easement	800208616	High	May-15	4,066	4	-	4,070	4,066	4	-	4,070
06442	Total Segment 11				39,773	21,162	62,177	123,111	39,773	21,162	62,177	123,111
	Total Tehachapi Segments 4-11 - Incentive Qualified				730,968	231,075	174,548	1,136,592	730,968	231,075	174,548	1,136,592
	Total Tehachapi - Segments 1-11 Incentive Qualified				734,176	240,114	174,548	1,148,837	734,176	240,114	174,548	1,148,837
06551	EITP											
	Licensing & Permitting, Preliminary Engr.											
	Ivanpah SS, EITP	800063786	High	May-13	11,765	330	-	12,095	11,765	330	-	12,095
	Eldorado SS Upgrades EITP	900316933	High	Jun-13	27,589	15,315	-	42,904	27,589	15,315	-	42,904
	Eldorado-Ivanpah 220KV T/L CA	900316934	High	Jul-13	4,558	9,347	-	13,904	4,558	9,347	-	13,904
	Eldorado-Ivanpah 220KV T/L NV	900344621	High	May-13	14,730	24,720	225	39,675	14,730	24,720	225	39,675
	Total EITP				80,061	117,715	1,249	199,025	80,061	117,715	1,249	199,025
					138,703	167,426	1,474	307,603	138,703	167,426	1,474	307,603
07018	Lugo-Pisgah											
	Lugo-Pisgah Phase II, Siting Study	800499057	High	Suspended	1,264	-	-	1,264	1,264	-	-	1,264
	Total Lugo-Pisgah				1,264	-	-	1,264	1,264	-	-	1,264

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06929	Red Bluff Red Bluff Sub - Construct a new sub. Modify Existing Calif Series Capacitor Bank Siting study Devers-Palo Verde 500KV line loop into Red Bluff Sub DCR #2 - Loop DCR line into Red Bluff Sub Red Bluff Sub - Cap on Devers-PV #1 TL Total Red Bluff	900248417 900247848 800380461 900312870 900342200 900389804	High High High High High High	Jun-13 Dec-13 Dec-13 Jun-13 Jun-13	125,106	68,337	970	194,413	125,106	68,337	970	194,413
					594	11,425	699	12,718	594	11,425	699	12,718
					210	(210)	-	0	210	(210)	-	0
					8,899	1,044	-	9,943	8,899	1,044	-	9,943
					8,130	1,037	-	9,167	8,130	1,037	-	9,167
					1	(1)	-	0	1	(1)	-	0
					142,941	81,631	1,669	226,240	142,941	81,631	1,669	226,240
07076	CRS Expansion Colorado River Sub: Equipment and Installation DCR - Colorado River Licensing Effort Total CRS Expansion	800404139 800466294	High High	Jul-13 Jul-13	45,414	26,001	649	72,064	45,414	26,001	649	72,064
					334	(334)	-	(0)	334	(334)	-	(0)
					45,748	25,667	649	72,064	45,748	25,667	649	72,064
Various	Whirlwind Substation Expansion Project Plan of Service Reliability Upgrades Whirlwind Sub Line/position extensions Whirlwind 2nd and 3rd AA Bank Whirlwind (NU): Equip one 220KV position - Solar Star 1 Whirlwind (NU): Equip one 220KV position - Solar Star 2 Total Whirlwind Substation Expansion Project	900397857 900389180 900692361 900615314 900642439	High High High High High	Nov-12 Nov-12 Dec-14 Sep-13 Sep-13	-	137	-	137	-	137	-	137
					-	209	-	209	-	209	-	209
					1,373	19,623	16,100	37,096	1,373	19,623	16,100	37,096
					752	1,450	-	2,202	752	1,450	-	2,202
					741	1,452	-	2,193	741	1,452	-	2,193
					2,866	22,871	16,100	41,837	2,866	22,871	16,100	41,837
Various	Coolwater - Lugo Transmission (formerly South of Kramer) New Cool Water-Lugo 220 kV Transmission Line Jasper: LGIA Engineer and construct a new interconnection facility I: Lugo – Pisgah 220KV TL loop into Jasper Substation. Permanent interconnection (NU) - Line drop for CoolWater-Lugo TL Pisgah Sub (NU) - Upgrade line protection Lugo Sub (NU) - Upgrade line protection Total Coolwater - Lugo	900473253 900295954 900704372 900704371 900704365	High High High High High	Apr-18 Oct-15 Oct-15 Oct-15 Oct-15	6,911	10,822	6,489	24,222	6,911	10,822	6,489	24,222
					1,178	1,250	2,135	4,563	1,178	1,250	2,135	4,563
					-	-	412	412	-	-	412	412
					-	-	-	-	-	-	-	-
					-	-	24	24	-	-	24	24
					-	-	46	46	-	-	46	46
					8,089	12,072	9,107	29,267	8,089	12,072	9,107	29,267
06420	West of Devers Devers-El Casco, El Casco-San Bernardino, and Devers-Vista #1 & #2 220KV line rebuild Pre-Engineering (Morongo Transmission Relocation Project) Total West of Devers	900463423 800062511	High High	May-18 Jun-19	(0)	-	-	(0)	(0)	-	-	(0)
					11,050	9,515	4,565	25,130	11,050	9,515	4,565	25,130
					11,050	9,515	4,565	25,130	11,050	9,515	4,565	25,130
Total Incentive Transmission Projects (2014 Includes expenditures through September 2014)					1,600,501	798,128	229,788	2,628,417	1,600,501	798,128	229,788	2,628,417
Total Incentive Transmission Projects (Closing by Sept 2014)					1,182,505	649,704	56,335	1,888,544	1,182,505	649,704	56,335	1,888,544