

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

PIN	Project Title	Order #	High/Low Voltage	OD	Project Total (ISO & non-ISO)				ISO Portion			
					Prior	2013	2014	Total	Prior	2013	2014	Total
Incentive Transmission Projects includes only Direct Installation Expenditures												
04847	Devers-Colorado River											
	DEVERS-Colorado River: PRELIMINARY ENGINEERING & LICENSING	800062522	High	Sep-13	29,338	(29,338)	-	0	29,338	(29,338)	-	0
	Devers-Valley #1 500kV T/L Relocate Facilities	800504834	High	Sep-13	4,946	34	9,636	14,616	4,946	34	9,636	14,616
	Loop in DPV#1 into Colorado River Substation	800504836	High	Sep-13	8,319	432	14,093	22,844	8,319	432	14,093	22,844
	DEVERS-Colorado River NO. 2 500KV T/L (CA): BUILD 110 MI single circuit 500KV T/L	800062494	High	Sep-13	244,583	100,620	-	345,203	244,583	100,620	-	345,203
	DEVERS-Colorado River JCT SERIES CAPACITOR (CA): INSTALL A NEW 2700A, 875MVAR SERIE	800063033	High	Sep-13	11,671	21,669	16	33,356	11,671	21,669	16	33,356
	DEVERS-VALLEY #2 500KV T/L: BUILD A NEW 41.6 MILE SINGLE-CIRCUIT 500KV T/L	800062527	High	Sep-13	112,931	112,078	58	225,067	112,931	112,078	58	225,067
	DEVERS SUB: REPLACE CIRCUIT BREAKERS	800062846	High	Sep-13	2,790	283	2,261	5,334	2,790	283	2,261	5,334
	DEVERS SUB: EXTEND BUS TWO POSITIONS TO THE WEST AND EQUIP NEW POSITION 8	800062850	High	Sep-13	13,586	4,729	120	18,435	13,586	4,729	120	18,435
	VALLEY SUB: INSTALL A LINE POSITION TO TERMINATE THE DEVERS-VALLEY #2 T/L	800062902	High	Sep-13	5,899	1,806	(3,271)	4,434	5,899	1,806	(3,271)	4,434
	Colorado River Switchyard	800403645	High	Sep-13	67,206	34,060	-	101,266	67,206	34,060	-	101,266
	Development of the Material Yards and helicopter assembly yards	800418261	High	Sep-13	10,595	(8,009)	-	2,585	10,595	(8,009)	-	2,585
	DEVERS-Colorado River ACQUIRE EASEMENT	800051690	High	Sep-13	971	1	-	972	971	1	-	972
	Devers Valley - Acquire various rights of way	800051691	High	Sep-13	2,099	99	-	2,198	2,099	99	-	2,198
	Mirage: Install add'l conduits within the substation to accommodate fiber optic circuitry.	900716073	High	Feb-13	48	366	-	415	48	366	-	415
Total Devers-Colorado River					514,980	238,832	22,913	776,725	514,980	238,832	22,913	776,725
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
07183	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)	-	-
07014	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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					Project Total (ISO & non-ISO)				ISO Portion			
PIN	Project Title	Order #	High/Low Voltage	OD	Prior	2013	2014	Total	Prior	2013	2014	Total
Various Tehachapi - Segments 4-11												
05243	New Vincent-Duarte 500kV T/L	800217316	High	Nov-13	83,371	79,923	24,935	188,229	83,371	79,923	24,935	188,229
05243	New Vincent-Angeles National Forest (ANF) 500kV T/L	800217330	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	25,119	218,171	103,464	89,588	25,119	218,171
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	25,434	139,121	95,480	18,208	25,434	139,121
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	25,448	157,951	109,998	22,505	25,448	157,951
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	67,482	292,769	170,804	54,483	67,482	292,769
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	70,969	328,995	195,386	62,640	70,969	328,995

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06440	TRTP SEGMENT 9: WHIRLWIND - CONSTRUCT NEW SUBSTATION	800216839	High	Feb-12	-	2,034	74	2,108	-	2,034	74	2,108
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 SWITCHRACK ADDING FOUR BAY POSITIONS. EXTEND 220KV SWITCHRACK 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	759	22,011	19,572	1,679	759	22,011
06440	TRTP SEGMENT 9: VINCENT - EXTEND 500KV SWITCHRACK 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	5,704	18,948	-	13,244	5,704	18,948
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	6,536	120,902	92,981	21,384	6,536	120,902
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	69,874	114,111	25,182	19,056	69,874	114,111
06442	Mesa-Gould 220kv T/L	800217366	High	May-15	8,684	1,912	3,980	14,576	8,684	1,912	3,980	14,576
06442	Connect to Vincent & Eagle Rock to Gould	800217381	High	May-15	1,841	190	2,041	4,071	1,841	190	2,041	4,071
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	75,894	136,828	39,773	21,162	75,894	136,828
Total Tehachapi Segments 4-11 - Incentive Qualified					730,968	231,075	205,653	1,167,697	730,968	231,075	205,653	1,167,697
Total Tehachapi - Segments 1-11 Incentive Qualified					734,176	240,114	205,653	1,179,943	734,176	240,114	205,653	1,179,943
06551	EITP											
	Licensing & Permitting, Preliminary Engr.	800063786	High	May-13	11,765	330	-	12,095	11,765	330	-	12,095
	Ivanpah SS, EITP	900316933	High	Jun-13	27,589	15,315	-	42,904	27,589	15,315	-	42,904
	Eldorado SS Upgrades EITP	900316934	High	Jul-13	4,558	9,347	-	13,904	4,558	9,347	-	13,904
	Eldorado-Ivanpah 220kv T/L CA	900344621	High	May-13	14,730	24,720	333	39,783	14,730	24,720	333	39,783
	Eldorado-Ivanpah 220kv T/L NV	900344623	High	May-13	80,061	117,715	1,934	199,710	80,061	117,715	1,934	199,710
	Total EITP				138,703	167,426	2,267	308,396	138,703	167,426	2,267	308,396
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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					Prior	2013	2014	Total	Prior	2013	2014	Total
06929	Red Bluff											
	Red Bluff Sub - Construct a new sub.	900248417	High	Jun-13	125,106	68,337	970	194,413	125,106	68,337	970	194,413
	Modify Existing Calif Series Capacitor Bank	900247848	High	Dec-13	594	11,425	699	12,718	594	11,425	699	12,718
	Siting study	800380461	High	Dec-13	210	(210)	-	0	210	(210)	-	0
	Devers-Palo Verde 500kV line loop into Red Bluff Sub	900312870	High	Jun-13	9,270	1,044	-	10,313	9,270	1,044	-	10,313
	DCR #2 - Loop DCR line into Red Bluff Sub	900342200	High	Jun-13	8,445	1,037	-	9,481	8,445	1,037	-	9,481
	Red Bluff Sub - Cap on Devers-PV #1 TL	900389804	High	Jun-13	1	(1)	-	0	1	(1)	-	0
	Total Red Bluff				143,626	81,630.82	1,669	226,925	143,626	81,631	1,669	226,925
07076	CRS Expansion											
	Colorado River Sub: Equipment and Installation	800404139	High	Jul-13	45,414	26,001	649	72,064	45,414	26,001	649	72,064
	DCR - Colorado River Licensing Effort	800466294	High	Jul-13	334	(334)	-	(0)	334	(334)	-	(0)
	Total CRS Expansion				45,748	25,667	649	72,064	45,748	25,667	649	72,064
Various	Whirlwind Substation Expansion Project											
07054	Plan of Service Reliability Upgrades	900397857	High	Nov-12	-	137	-	137	-	137	-	137
07066	Whirlwind Sub Line/position extensions	900389180	High	Nov-12	-	209	-	209	-	209	-	209
07067	Whirlwind 2nd and 3rd AA Bank	900692361	High	Dec-14	1,373	19,623	23,000	43,996	1,373	19,623	23,000	43,996
07068	Whirlwind (NU): Equip one 220kV position - Solar Star 1	900615314	High	Sep-13	752	1,450	-	2,202	752	1,450	-	2,202
07069	Whirlwind (NU): Equip one 220kV position - Solar Star 2	900642439	High	Sep-13	741	1,452	-	2,193	741	1,452	-	2,193
	Total Whirlwind Substation Expansion Project				2,866	22,871	23,000	48,737	2,866	22,871	23,000	48,737
Various	Coolwater - Lugo Transmission (formerly South of Kramer)											
07091	New Coolwater-Lugo 220 kV Transmission Line	900473253	High	Apr-18	6,911	10,822	10,500	28,233	6,911	10,822	10,500	28,233
06902	Jasper: LGIA Engineer and construct a new interconnection facility	900295954	High	Oct-15	1,178	1,250	3,250	5,678	1,178	1,250	3,250	5,678
06902	I: Lugo – Pisgah 220KV T/L loop into Jasper Substation.	900704372	High	Oct-15	-	-	669	669	-	-	669	669
06902	Permanent Interconnection (NU) - Line drop for Coolwater-Lugo TL	900704374	High	Oct-15	-	-	-	-	-	-	-	-
06902	Pisgah Sub (NU) - Upgrade line protection	900704371	High	Oct-15	-	-	37	37	-	-	37	37
06902	Lugo Sub (NU) - Upgrade line protection	900704365	High	Oct-15	-	-	70	70	-	-	70	70
	Total Coolwater - Lugo				8,089	12,072	14,526	34,686	8,089	12,072	14,526	34,686
06420	West of Devers											
	Devers-El Casco, El Casco-San Bernardino, and Devers-Vista #1 & #2 220KV line rebuild	900463423	High	May-18	(0)	-	-	(0)	(0)	-	-	(0)
	Pre-Engineering (Morongo Transmission Relocation Project)	800062511	High	Jun-19	11,050	9,515	6,665	27,230	11,050	9,515	6,665	27,230
	Total West of Devers				11,050	9,515	6,665	27,230	11,050	9,515	6,665	27,230
Total Incentive Transmission Projects (2014 Includes expenditures through December 2014)					1,600,501	798,128	277,341	2,675,970	1,600,501	798,128	277,341	2,675,970
Total Incentive Transmission Projects (Closing by Dec 2014)					1,196,838	670,524	84,232	1,951,594	1,196,838	670,524	84,232	1,951,594