

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

PIN	Project Title	Order #	High/Low Voltage	OD	Project Total (ISO & non-ISO)					ISO Portion		
					Prior	2012	2013	Total	Prior	2012	2013	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 ICT SERIES CAPACITOR (CA): INSTALL A NEW 2700A, 875MVAR SERIE DEVERS SUB: INSTALL 2-500KV SHUNT CAPACITORS 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 DEVERS: INSTALL LINE POSITION FOR DEVERS-VALLEY #2. 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	800062522	High	Sep-13	28,313	2,403	1,500	32,216	28,313	2,403	1,500	32,216
		800504834	High	Sep-13	453	5,703	566	6,721	453	5,703	566	6,721
		800504836	High	Sep-13	721	8,061	952	9,733	721	8,061	952	9,733
		800062494	High	Sep-13	63,709	162,908	87,242	313,859	63,709	162,908	87,242	313,859
		800063033	High	Sep-13	1,086	15,237	18,295	34,618	1,086	15,237	18,295	34,618
		800062856	High	Sep-13	6	-	-	6	6	-	-	6
		800062527	High	Sep-13	38,352	105,695	64,822	208,870	38,352	105,695	64,822	208,870
		800062846	High	Sep-13	69	2,308	1,186	3,562	69	2,308	1,186	3,562
		800062850	High	Sep-13	747	12,846	7,380	20,973	747	12,846	7,380	20,973
		800062855	High	Sep-13	45	(44)	-	1	45	(44)	-	1
		800062902	High	Sep-13	636	3,563	6,121	10,320	636	3,563	6,121	10,320
		800403645	High	Sep-13	6,968	64,802	36,751	108,521	6,968	64,802	36,751	108,521
		800418261	High	Sep-13	5,410	10,371	9,357	25,138	5,410	10,371	9,357	25,138
		800051690	High	Sep-13	903	190	90	1,182	903	190	90	1,182
		800051691	High	Sep-13	2,088	32	-	2,120	2,088	32	-	2,120
		Total Devers-Colorado River				394,077	234,262	777,842	149,503	394,077	234,262	777,842

Various Tehachapi - Segment 3B & 3C

07183	230 kV Transmission Line Between Highwind and Winhub Substations	800062547	High	Dec-12	19,887	17,694	-	37,581	19,887	17,694	-	37,581
07183	Highwind Substation Construction	800063658	High	Dec-12	2,388	7,401	-	9,788	2,388	7,401	-	9,788
07183	CRE Seg 3B	800452215	High	Dec-12	3,093	120	-	3,214	3,093	120	-	3,214
07183	Total Segment 3B				25,368	25,215	-	50,583	25,368	25,215	-	50,583
07014	Windhub Substation 500KV Upgrade	800219424	High	May-12	96,808	1,744	-	98,552	96,808	1,744	-	98,552
07014	Windhub Substation Install transformer banks	800219436	High	Dec-12	26,653	36,233	400	63,286	26,653	36,233	400	63,286
07014	Antelope Substation 500KV Upgrades	800219505	High	Jul-12	90,995	3,630	-	94,624	90,995	3,630	-	94,624
07014	Vincent Substation 500KV Equip One Position	800219631	High	Dec-11	-	9	-	9	-	9	-	9
07014	Magunden Relays	900692988	High	Jul-12	-	100	-	100	-	100	-	100
07014	TRTP 3C-6 Antelope Sub	800219567	High	Dec-12	4	-	-	4	4	-	-	4
07014	Total Segment 3C				214,460	41,715	400	256,575	214,460	41,715	400	256,575
Total Tehachapi Segment 3B & 3C					239,828	66,930	400	307,158	239,828	66,930	400	307,158
Total Tehachapi Segments 1-3 - Incentive Qualified					389,331	461,007	234,662	1,085,000	389,331	461,007	234,662	307,158

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

PIN	Project Title	Order #	High/Low Voltage	OD	Project Total (ISO & non-ISO)				ISO Portion			
					Prior	2012	2013	Total	Prior	2012	2013	Total
Various Tehachapi - Segments 4-11												
05243	New Vincent-Duarte 500KV T/L	800217316	High	Feb-14	40,877	40,640	51,884	133,401	40,877	40,640	51,884	133,401
05243	New Vincent-ANF 500KV T/L	800217330	High	Feb-14	10,683	6,104	10,683	27,470	10,683	6,104	10,683	27,470
05243	Tehachapi Renewable Acquire Easement	800051930	High	Jun-12	945	31	-	976	945	31	-	976
05243	Total Segment 6				52,506	46,775	62,567	161,848	52,506	46,775	62,567	161,848
ANTELOPE-VINCENT #2 500KV T/L: PRELIM ENGINEERING AND ENVIRONMENTAL STUDIES												
05472	Reconfigure Antelope-Vincent-Windhub T/L	800062539	High	Feb-15	41,375	801	-	42,176	41,375	801	-	42,176
05472	Antelope Vincent #2 500KV T/L	800217225	High	Nov-12	5,193	226	-	5,419	5,193	226	-	5,419
05472	TRTP 4-11: Licensing	800217232	High	Nov-12	57,523	46,017	3,612	107,152	57,523	46,017	3,612	107,152
05472	Tehachapi Renewable Acquire Easement	800433760	High	Feb-15	6,667	1,300	-	7,967	6,667	1,300	-	7,967
05472	Total Segment 5	800051902	High	Dec-12	2,985	183	-	3,168	2,985	183	-	3,168
05472					113,744	48,526	3,612	165,882	113,744	48,526	3,612	165,882
Antelope-Whirlwind 500KV T/L												
06435	Path 26 Loop	800217116	High	Apr-12	53,491	15,020	2,729	71,240	53,491	15,020	2,729	71,240
06435	Antelope Transmission Real Properties	800217211	High	Nov-12	9,295	2,089	219	9,295	9,295	2,089	219	9,295
06435	Antelope-Whirlwind 500KV T/L Cross over elimination	800051900	High	Apr-13	12,624	270	-	12,624	12,624	270	-	12,624
06435	Midway-Vincent No 3 Ground clearance upgrade	900269206	High	Jun-12	2	-	-	2	2	-	-	2
06435	Total Segment 4	900271208	High	Sep-12	2	-	-	2	2	-	-	2
06435					75,415	17,379	2,948	71,244	75,415	17,379	2,948	71,244
New Vincent-Rio Hondo #2 500KV T/L												
06438	New Antelope-Mesa 500KV T/L	800218130	High	Sep-14	8,873	9,271	1,351	19,496	8,873	9,271	1,351	19,496
06438	Tehachapi Renewable Acquire Easement	800218138	High	Oct-14	56,532	29,099	22,443	108,074	56,532	29,099	22,443	108,074
06438	Total Segment 7	800051909	High	Dec-13	1,556	15	10	1,581	1,556	15	10	1,581
06438					66,961	38,386	23,804	129,151	66,961	38,386	23,804	129,151
Construct 1.33 mi. 220KV T/L at Rose Hills												
06439	Construct 220KV T/L at Water Tank/Fullerton Rd.	800218522	High	Mar-14	3,354	1,066	36	4,455	3,354	1,066	36	4,455
06439	Chino-Mira Loma #1 & #2 230KV T/L	800218551	High	Nov-11	3,714	56	-	3,770	3,714	56	-	3,770
06439	New 33 mile Vincent-Mira Loma 500KV T/L	800218618	High	Jun-11	-	548	-	548	-	548	-	548
06439	Segment 8 licensing, Assigned Commissioner Ruling (ACR) alternate routes	800218645	High	Sep-14	120,284	63,965	55,017	239,266	120,284	63,965	55,017	239,266
06439	Tehachapi Renewable Acquire Easement	900610533	High	Dec-13	90	697	448	1,234	90	697	448	1,234
06439	Chino Hills State Park 500KV reroute alternative	800051911	High	Dec-13	11,921	1,618	1,286	14,825	11,921	1,618	1,286	14,825
06439	Total Segment 8	8003375079	High		115	115	-	115	115	-	-	115
06439					139,477	67,950	56,786	264,213	139,477	67,950	56,786	264,213

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

PIN	Project Title	Order #	High/Low Voltage	OD	Project Total (ISO & non-ISO)				ISO Portion			
					Prior	2012	2013	Total	Prior	2012	2013	Total
06440	TRTP SEGMENT 9: WHIRLWIND - CONSTRUCT NEW SUBSTATION	800216839	High	Feb-12	114,752	14,312	3,446	132,510	114,752	14,312	3,446	132,510
06440	TRTP SEGMENT 9: ANTELOPE - CONSTRUCT ADDITION TO EXISTING SUBSTATION	800216848	High	May-12	26,530	2,503	-	29,033	26,530	2,503	-	29,033
06440	TRTP SEGMENT 9: VINCENT - EXTEND 500KV SWITCHCRACK ADDING FOUR BAY POSITIONS. EXTEND 220KV SWITCHCRACK ADDING ONE BAY POSITION.	800216929	High	May-12	59,909	16,033	8,238	84,180	59,909	16,033	8,238	84,180
06440	TRTP SEGMENT 9: WINDHUB - CONSTRUCT 500KV SWITCHYARD & AA TRANSFORMER BANK	800217014	High	May-12	6,736	834	-	7,570	6,736	834	-	7,570
06440	TRTP SEGMENT 9: MESA SUB - EQUIP 220KV line protection	800218099	High	Jan-13	2,217	394	165	2,776	2,217	394	165	2,776
06440	TRTP SEGMENT 9: MIRA LOMA SUB - EQUIP 1 500KV line protection	800218712	High	May-13	17,358	2,177	272	19,807	17,358	2,177	272	19,807
06440	TRTP SEGMENT 9: VINCENT - EXTEND 500KV SWITCHCRACK ADDING FOUR BAY POSITIONS	800219576	High	Feb-12	114	(112)	-	1	114	(112)	-	1
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	6,097	1,056	97	7,249	6,097	1,056	97	7,249
06440	TRTP SEGMENT 9: CHINO SUB - PROTECTION CHANGES	900280844	High	Dec-12	272	613	-	885	272	613	-	885
06440	TRTP SEGMENT 9: VINCENT - RAS to support Whirlwind Acceleration	900389798	High	Dec-12	95	96	-	190	95	96	-	190
06440	TRTP SEGMENT 9: LUGO SUB (Relace Eagle Rock)	900516432	High	May-13	18	846	-	864	18	846	-	864
06440	TOTAL SEGMENT 9 CRE COST	800208721	High	Jun-12	4,003	8	-	4,011	4,003	8	-	4,011
06440	TRTP SEGMENT 9: WHIRLWIND - ACCELERATION	900390201	High	Dec-12	2	1	1	3	2	1	1	3
06440	800148391 Antelope - Construct addition to station	800148387	High	May-12	1	(24)	-	(24)	1	(24)	-	(24)
06440	800157254 Windhub - Construct 500KV switchyard	800148389	High	May-12	-	51	-	51	-	51	-	51
06440	800157256 Whirlwind - Construct new substation	800148388	High	May-12	-	(191)	-	(191)	-	(191)	-	(191)
06440	Total Segment 9				238,102	38,596	12,219	288,917	238,102	38,596	12,219	288,917
06441	Whirlwind - Windhub 500KV T/L	800217239	High	Apr-12	46,727	13,677	2,767	63,171	46,727	13,677	2,767	63,171
06441	TRTP Seg 10 - Acquire Easement	800208725	High	Apr-13	8,406	58	-	8,464	8,406	58	-	8,464
06441	Total Segment 10				55,133	13,735	2,767	71,635	55,133	13,735	2,767	71,635
06442	Mesa-Vincent #1 500KV T/L	800217339	High	May-15	18,494	11,430	5,348	35,272	18,494	11,430	5,348	35,272
06442	Mesa-Gould 220KV T/L	800217366	High	May-15	6,646	1,838	432	8,916	6,646	1,838	432	8,916
06442	Connect to Vincent & Eagle Rock to Gould	800217381	High	May-15	1,311	238	189	1,738	1,311	238	189	1,738
06442	TRTP Seg 11 - Acquire Easement	800208616	High	Jun-12	1,023	3,157	-	4,180	1,023	3,157	-	4,180
06442	Total Segment 11				27,474	16,663	5,969	50,106	27,474	16,663	5,969	50,106
Total Tehachapi Segments 4-11 - Incentive Qualified					768,812	288,010	170,672	1,202,996	768,812	288,010	170,672	1,202,996
Total Tehachapi - Segments 1-11 Incentive Qualified					1,158,143	749,017	405,334	2,287,996	1,158,143	749,017	405,334	1,510,154
06551	EITP			Jul-13								
	Licensing & Permitting, Preliminary Engr.	800063786	High	Jul-13	10,355	446	-	10,801	10,355	446	-	10,801
	Ivanpah SS, EITP	900316933	High	Jul-13	3,120	35,858	25,048	64,026	3,120	35,858	25,048	64,026
	Eldorado SS Upgrades EITP	900316934	High	Jul-13	428	11,008	6,195	17,631	428	11,008	6,195	17,631
	Eldorado-Ivanpah 220KV T/L CA	900344621	High	Jul-13	3,706	14,249	16,452	34,407	3,706	14,249	16,452	34,407
	Eldorado-Ivanpah 220KV T/L NV	900344623	High	Jul-13	8,630	57,639	58,474	124,743	8,630	57,639	58,474	124,743
	CRE Licensing Phase	800586667	High	Jul-13	301	220	-	521	301	220	-	521
	Total EITP				26,540	119,420	106,169	252,129	26,540	119,420	106,169	252,129
07018	Lugo-Pisgah		High	Suspended	(62)	-	-	(62)	(62)	-	-	(62)
	Lugo-Pisgah Phase II, Siting Study	800499057			(62)	-	-	(62)	(62)	-	-	(62)
	Total Lugo-Pisgah				(62)	-	-	(62)	(62)	-	-	(62)

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

PIN	Project Title	Order #	High/Low Voltage	OD	Project Total (ISO & non-ISO)					ISO Portion		
					Prior	2012	2013	Total	Prior	2012	2013	Total
06929	Red Bluff											
	Red Bluff Sub - Construct a new sub.	900248417	High	Dec-13	12,002	84,470	56,204	152,676	12,002	84,470	56,204	152,676
	Modify Existing Calif Series Capacitor Bank	900247848	High	Dec-13	100	2,938	6,008	9,046	100	2,938	6,008	9,046
	Siting study	800380461	High	Dec-13	107	595	308	1,010	107	595	308	1,010
	Devers-Palo Verde 500KV line loop into Red Bluff Sub	900312870	High	Dec-13	682	6,687	3,368	10,737	682	6,687	3,368	10,737
	DCR #2 - Loop DCR line into Red Bluff Sub	900342200	High	Dec-13	892	5,225	2,325	8,442	892	5,225	2,325	8,442
	Total Red Bluff				13,784	99,915	68,212	181,911	13,784	99,915	68,212	181,911
07076	CRS Expansion											
	Colorado River Sub: Equipment and Installation	800404139	High	Nov-13	10,250	36,402	30,893	77,545	10,250	36,402	30,893	77,545
	DCR - Colorado River Licensing Effort	800466294	High	Nov-13	334	-	-	334	334	-	-	334
	Total CRS Expansion				10,584	36,402	30,893	77,879	10,584	36,402	30,893	77,879
Various	Whirlwind Substation Expansion Project											
	Plan of Service Reliability Upgrades	900397857	High	Sep-12	987	850	-	1,837	987	850	-	1,837
	Whirlwind Sub Line/position extensions	900389180	High	Sep-12	1,656	2,650	-	4,306	1,656	2,650	-	4,306
	Whirlwind 2nd and 3rd AA Bank	900692361	High	Dec-16	-	1,000	26,327	-	-	1,000	26,327	27,327
	Whirlwind (NU): Equip one 220KV position - Solar Star 1	900615314	High	Jan-14	-	1,000	1,043	-	-	1,000	1,043	2,043
	Whirlwind (NU): Equip one 220KV position - Solar Star 2	900642439	High	Jan-14	-	1,000	1,043	2,043	-	1,000	1,043	2,043
	Total Whirlwind Substation Expansion Project				2,643	6,500	28,414	8,186	2,643	6,500	28,414	37,557
Various	South of Kramer											
	New Cool Water-Lugo 220 kV Transmission Line	900473253	High	Apr-18	854	5,000	5,441	11,295	854	5,000	5,441	11,295
	Jasper: LGIA Engineer and construct a new interconnection facility	900295954	High	Oct-15	711	1,250	507	2,467	711	1,250	507	2,467
	L: Lugo - Pisgah 220KV T/L loop into Jasper Substation.	900704372	High	Oct-15	-	-	486	486	-	-	486	486
	Total South of Kramer				1,565	6,250	6,433	14,248	1,565	6,250	6,433	14,248
06420	West of Devers											
	Devers-El Casco, El Casco-San Bernardino, and Devers-Vista #1 & #2 220KV line rebuild	900463423	High	Dec-17	-	-	-	-	-	-	-	-
	Pre-Engineering (Morongo Transmission Relocation Project)	800062511	High	Dec-17	3,730	8,000	7,665	19,396	3,730	8,000	7,665	19,396
	Total West of Devers				3,730	8,000	7,665	19,396	3,730	8,000	7,665	19,396
	Total Incentive Transmission Projects (2013 includes expenditures through September 2013)				1,366,431	1,419,581	887,383	3,619,527	1,366,431	1,419,581	887,383	2,871,055
	Total Incentive Transmission Projects (Closing by Sept 2013)				858,548	703,855	362,377	1,900,282	858,548	703,855	362,377	1,900,282