

Forecast CWIP Expenditures by PIN and Activity
(\$000)

PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
7183	TRTP	10	-	10
	Project Support			
	1 Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	-	-	-
	2 Engineering and Design	-	-	-
	3 Regulatory, Licensing, and Legal Costs	-	-	-
	Total	-	-	-
	Construction			
	1 Civil and Structural Construction	-	-	-
	2 Electrical Construction	-	-	-
	Total	-	-	-
	Environmental			
	1 Environmental	-	-	-
	Total	-	-	-
	Real Properties			
	1 Real Properties Acquisitions	-	-	-
	Total	-	-	-
	Allocated			
	1 Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	10	-	10
	Total	10	-	10
	Contingency			
	1 Contingency	-	-	-
	Total	-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
5472	TRTP Segment 5	0	-	0
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	-	-	-
2	Engineering and Design	-	-	-
3	Regulatory, Licensing, and Legal Costs	-	-	-
Total		-	-	-
Materials				
1	Steel and Hardware (e.g. Marker Balls)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	-	-	-
Total		-	-	-
Construction				
1	Civil and Structural Construction	-	-	-
2	Electrical Construction	-	-	-
3	Construction Management Services	-	-	-
Total		-	-	-
Environmental				
1	Environmental	-	-	-
Total		-	-	-
Real Properties				
1	Real Properties Acquisitions	-	-	-
Total		-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	0	-	0
Total		0	-	0
Contingency				
1	Contingency	-	-	-
Total		-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
5243	TRTP Segment 6	2,526	-	2,526
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	-	-	-
2	Engineering and Design	20	-	20
3	Regulatory, Licensing, and Legal Costs	-	-	-
	Total	20	-	20
Materials				
1	Steel and Hardware (e.g. Marker Balls)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	-	-	-
	Total	-	-	-
Construction				
1	Civil and Structural Construction	200	-	200
	Total	200	-	200
Environmental				
1	Environmental	2,106	-	2,106
	Total	2,106	-	2,106
Real Properties				
1	Real Properties Acquisitions	-	-	-
	Total	-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	200	-	200
	Total	200	-	200
Contingency				
1	Contingency	-	-	-
	Total	-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
6438	TRTP Segment 7	629	-	629
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	24	-	24
2	Engineering and Design	90	-	90
3	Regulatory, Licensing, and Legal Costs	-	-	-
Total		114	-	114
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	-	-	-
Total		-	-	-
Construction				
1	Civil and Structural Construction	312	-	312
2	Electrical Construction	-	-	-
3	Construction Management Services	-	-	-
Total		312	-	312
Environmental				
1	Environmental	27	-	27
Total		27	-	27
Real Properties				
1	Real Properties Acquisitions	-	-	-
Total		-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	177	-	177
Total		177	-	177
Contingency				
1	Contingency	-	-	-
Total		-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
6439	TRTP Segment 8	399	-	399
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	26	-	26
2	Engineering and Design	46	-	46
3	Regulatory, Licensing, and Legal Costs	-	-	-
Total		72	-	72
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	0	-	0
Total		0	-	0
Construction				
1	Civil and Structural Construction	-	-	-
2	Electrical Construction	-	-	-
3	Construction Management Services	227	-	227
Total		227	-	227
Environmental				
1	Environmental	32	-	32
Total		32	-	32
Real Properties				
1	Real Properties Acquisitions	-	-	-
Total		-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	67	-	67
Total		67	-	67
Contingency				
1	Contingency	-	-	-
Total		-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
7553	TRTP 500kV Underground	1,932	-	1,932
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	34	-	34
2	Engineering and Design	102	-	102
3	Regulatory, Licensing, and Legal Costs	-	-	-
Total		136	-	136
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	502	-	502
6	Civil Materials and Misc Hardware	-	-	-
Total		502	-	502
Construction				
1	Civil and Structural Construction	-	-	-
2	Electrical Construction	281	-	281
3	Construction Management Services	-	-	-
Total		281	-	281
Environmental				
1	Environmental	123	-	123
Total		123	-	123
Real Properties				
1	Real Properties Acquisitions	700	-	700
Total		700	-	700
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	190	-	190
Total		190	-	190
Contingency				
1	Contingency	-	-	-
Total		-	-	-

Forecast CWIP Expenditures by PIN and Activity

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
6440	TRTP Segment 9	122	-	122
Project Support				
1	Windhub Sub	-	-	-
2	Whirlwind Sub	-	-	-
3	Antelope Sub	-	-	-
4	Vincent Sub	-	-	-
5	Other Substations	-	-	-
	Total	-	-	-
Materials				
1	Windhub Sub	-	-	-
2	Whirlwind Sub	-	-	-
3	Antelope Sub	-	-	-
4	Vincent Sub	-	-	-
5	Other Substations	105	-	105
	Total	105	-	105
Construction				
1	Windhub Sub	-	-	-
2	Whirlwind Sub	-	-	-
3	Antelope Sub	-	-	-
4	Vincent Sub	-	-	-
5	Other Substations	-	-	-
	Total	-	-	-
Environmental				
1	Environmental	-	-	-
	Total	-	-	-
Real Properties				
1	Corporate Real Estate	-	-	-
	Total	-	-	-
Allocated				
1	Windhub Sub	-	-	-
2	Whirlwind Sub	-	-	-
3	Antelope Sub	-	-	-
4	Vincent Sub	-	-	-
5	Other Substations	17	-	17
	Total	17	-	17
Contingency				
1	Windhub Sub	-	-	-
2	Whirlwind Sub	-	-	-
3	Antelope Sub	-	-	-
4	Vincent Sub	-	-	-
5	Other Substations	-	-	-
	Total	-	-	-

Forecast CWIP Expenditures by PIN and Activity

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
6442	TRTP Segment 11	857	-	857
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	-	-	-
2	Engineering and Design	-	-	-
3	Regulatory, Licensing, and Legal Costs	-	-	-
	Total	-	-	-
Construction				
1	Electrical Construction	-	-	-
2	Construction Management Services	-	-	-
	Total	-	-	-
Environmental				
1	Environmental	857	-	857
	Total	857	-	857
Real Properties				
1	Real Properties Acquisitions	-	-	-
	Total	-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	-	-	-
	Total	-	-	-
Contingency				
1	Contingency	-	-	-
	Total	-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
7076/ 7061	Colorado River Substation Expansion	3	-	3
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	-	-	-
2	Engineering and Design	-	-	-
3	Regulatory and Licensing	-	-	-
Total		-	-	-
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	-	-	-
Total		-	-	-
Construction				
1	Civil and Structural Construction	-	-	-
2	Electrical Construction	-	-	-
3	Construction Management Services	-	-	-
Total		-	-	-
Environmental				
1	Environmental	-	-	-
Total		-	-	-
Real Properties				
1	Real Properties Acquisitions	-	-	-
Total		-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	3	-	3
Total		3	-	3
Contingency				
1	Contingency	-	-	-
Total		-	-	-

Forecast CWIP Expenditures by PIN and Activity

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
7650/ 7695	Whirlwind Substation Expansion	23	-	23
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	22	-	22
2	Engineering and Design	0	-	0
3	Regulatory, Licensing, and Legal Costs	-	-	-
Total		22	-	22
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	-	-	-
Total		-	-	-
Construction				
1	Civil and Structural Construction	-	-	-
2	Electrical Construction	-	-	-
3	Construction Management Services	-	-	-
Total		-	-	-
Environmental				
1	Environmental	-	-	-
Total		-	-	-
Real Properties				
1	Real Properties Acquisitions	-	-	-
Total		-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	1	-	1
Total		1	-	1
Contingency				
1	Contingency	-	-	-
Total		-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
6902	Calcite 220/66 kV Substation (formerly Jasper, part of South of Kramer)	200	1,595	1,795
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	104	100	204
2	Engineering and Design	26	200	226
3	Regulatory and Licensing	-	-	-
Total		130	300	430
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	463	463
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	-	-	-
Total		-	463	463
Construction				
1	Civil and Structural Construction	-	200	200
2	Electrical Construction	-	-	-
3	Construction Management Services	-	20	20
Total		-	220	220
Environmental				
1	Environmental	40	100	140
Total		40	100	140
Real Properties				
1	Real Properties Acquisitions	-	100	100
Total		-	100	100
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	30	412	442
Total		30	412	442
Contingency				
1		-	-	-
Total		-	-	-

Forecast CWIP Expenditures by PIN and Activity

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
6420	West of Devers Upgrade Project	104,028	153,139	257,167
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	4,500	4,492	8,992
2	Engineering and Design	1,000	1,000	2,000
3	Regulatory and Licensing	-	-	-
Total		5,500	5,492	10,992
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	17,952	17,952	35,904
2	Conductor	6,000	2,000	8,000
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	2,069	2,069	4,138
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	540	540	1,080
6	Civil Materials and Misc Hardware (Rebar and concrete)	7,121	18,236	25,357
Total		33,682	40,797	74,479
Construction				
1	Civil and Structural Construction	12,876	47,406	60,282
2	Electrical Construction	1,300	4,300	5,600
3	Construction Management Services	18,081	27,122	45,203
Total		32,257	78,828	111,085
Environmental				
1	Environmental	13,000	13,000	26,000
Total		13,000	13,000	26,000
Real Properties				
1	Real Properties Acquisitions	9,067	475	9,542
Total		9,067	475	9,542
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	10,522	14,547	25,069
Total		10,522	14,547	25,069
Contingency				
1	Contingency	-	-	-
Total		-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
7546	Eldorado-Lugo-Mohave Series Capacitor Upgrade	19,432	46,944	66,376
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	221	222	443
2	Engineering and Design	716	1,215	1,931
3	Regulatory and Licensing	1,919	2,120	4,039
Total		2,856	3,557	6,413
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	3,400	3,400
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	3	-	3
Total		3	3,400	3,400
Construction				
1	Civil and Structural Construction	-	-	-
2	Electrical Construction	9,237	28,256	37,493
3	Construction Management Services	628	446	1,074
Total		9,865	28,702	38,567
Environmental				
1	Environmental	2,750	4,639	7,389
Total		2,750	4,639	7,389
Real Properties				
1	Real Properties Acquisitions	22	197	219
Total		22	197	219
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	3,936	6,449	10,385
Total		3,936	6,449	10,385
Contingency				
1	Contingency	-	-	-
Total		-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
6092	Alberhill	1,313	8,660	9,973
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	298	507	805
2	Engineering and Design	19	78	97
3	Regulatory and Licensing	85	-	85
Total		402	585	987
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	-	-	-
2	Conductor and Conductor Hardware	-	-	-
3	Transformers	-	-	-
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	-	-	-
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	-	-	-
6	Civil Materials and Misc Hardware	-	-	-
Total		-	-	-
Construction				
1	Civil and Structural Construction	-	-	-
2	Electrical Construction	-	-	-
3	Construction Management Services	44	6,904	6,947
Total		44	6,904	6,947
Environmental				
1	Environmental	681	-	681
Total		681	-	681
Real Properties				
1	Real Properties Acquisitions	16	52	68
Total		16	52	68
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	170	1,120	1,290
Total		170	1,120	1,290
Contingency				
1	Contingency	-	-	-
Total		-	-	-

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PIN #	Description	Forecast		Total
		1/1/2018 - 12/31/2018	1/1/2019 - 12/31/2019	
7555	Mesa	69,798	84,750	154,548
Project Support				
1	Project Management (e.g. Proj. Mgmt, Proj Admin, Proj. Controls, Estimating)	1,233	1,233	2,466
2	Engineering and Design	3,257	3,816	7,072
3	Regulatory and Licensing	119	-	119
Total		4,609	5,049	9,657
Materials				
1	Steel and Hardware (e.g. Stub Angles or Anchor Bolts)	5,274	2,215	7,488
2	Conductor and Conductor Hardware	7	2,211	2,218
3	Transformers	2,390	439	2,829
4	Transmission Line Major Equipment (e.g. Insulator, Ground Wire, Dampers)	442	1,643	2,086
5	Substation Major Equipment (e.g. Circuit Breakers, Disconnect Switch, Reactors, Structural Steel)	9,535	25,424	34,959
6	Civil Materials and Misc Hardware	1,668	741	2,409
Total		19,316	32,673	51,989
Construction				
1	Civil and Structural Construction	28,430	14,801	43,230
2	Electrical Construction	5,475	14,169	19,644
3	Construction Management Services	4,251	2,193	6,444
Total		38,155	31,163	69,318
Environmental				
1	Environmental	1,404	4,296	5,700
Total		1,404	4,296	5,700
Real Properties				
1	Real Properties Acquisitions	-	-	-
Total		-	-	-
Allocated				
1	Allocated (e.g., chargebacks, SCE labor loaders and Division Overhead)	6,314	11,569	17,883
Total		6,314	11,569	17,883
Contingency				
1	Contingency	-	-	-
Total		-	-	-