

Western's Central Valley Project Transmission Lines - Proposed as of June 25, 2009				
Line No.	Facility Name/Description	Transmission Percentage	Non-transmission	Notes/Changes from May 2004 Rate Brochure
1	Carr-Keswick	0%	100%	No Change.
2	Carr-Keswick No. 1	0%	100%	No Change.
3	Carr-Keswick No. 2	0%	100%	No Change.
4	Cottonwood-Elverta No. 2 (now ODA-OBN-ELV)	100%	0%	No Change.
5	Cottonwood-Elverta No. 3 (now CW-RSC)	100%	0%	No Change.
6	Cottonwood-Roseville	100%	0%	No Change.
7	Elverta-Tracy 230 KV No. 1	100%	0%	No Change.
8	Elverta-Tracy 230 KV No. 2	100%	0%	No Change.
9	Folsom-Elverta (FOL-ROS-EVL)	0%	100%	When Folsom Loop recorded in F/S, facility assignment will change to 100% transmission. ELV added to parenthetical reference.
10	Folsom-Nimbus	0%	100%	No Change.
11	Friant Dam & Camp - PG&E Line Tap	0%	100%	No Change.
12	Keswick-Cottonwood No.2 (now CW-ODA)	100%	0%	No Change.
13	Keswick-Cottonwood No. 3	100%	0%	No Change.
14	Keswick-Elverta	100%	0%	No Change.
15	Tracy-Livermore -- 230 KV Line	100%	0%	No Change.
16	Keswick-Olinda No 2	100%	0%	No Change.
17	Keswick-Olinda	100%	0%	Installation of fiber optic on KE-ODA line. In service date May 2004. All costs assigned to transmission.
18	Roseville-Elverta No. 2	100%	0%	No Change.
19	Round Mountain-Cottonwood	100%	0%	No Change.
20	Spring Creek-Keswick	0%	100%	No Change.
21	Shasta-Cottonwood No. 2	0%	100%	When Shasta DB/DB recorded in Western's F/S, facility assignment will change to 100% transmission.
22	Shasta-Keswick 230 KV	100%	0%	No Change.
23	Shasta-Tracy	100%	0%	No Change.
24	Trinity-Carr	0%	100%	No Change.
25	Tracy-Lawrence Livermore	100%	0%	No Change.
26	Tracy-Ygnacio	0%	100%	No Change.
27	Tracy-Contra Costa (formerly TRY-YG)	0%	100%	The portion from Contra Costa to Ygnacio (69 kV) was removed; hence the name change. Replacements in FY 2006 and costs related to removing of line from Contra Costa to Ygnacio. Facility assignment same as Tracy-Ygnacio. Formerly TRY-YG added to parenthetical.
28	Tracy-Banks	100%	0%	No Change.

Western's Central Valley Project Switchyards and Substations - Proposed as of June 25, 2009				
Line No.	Facility Name/Description	Transmission Percentage	Non-transmission	Notes/Changes from May 2004 Rate Brochure
1	Airport	100%	0%	No Change.
2	J.F. Carr Sub	0%	100%	No Change.
3	Coyote Sub	0%	100%	No Change.
4	Central Valley Sub (Shasta PUD)	100%	0%	No Change.
5	Cottonwood Substation	100%	0%	No Change.
6	Elverta Substation	100%	0%	No Change.
7	Flanagan Substation	100%	0%	No Change.
8	Fiddymment	100%	0%	No Change.
9	Folsom	0%	100%	When Folsom Loop recorded in F/S, facility assignment will be split between tx and nontx. Original costs remain assigned to nontx; new costs will be added to transmission. Based on review of breakers functional use, ratios should be reversed. Rate impact based rate effective April 1, 2009 rate model, is a \$.02 decrease to firm point-to-point rate. Change during next rate update.
10	Keswick Sub - 230kV	57%	43%	
11	Keswick Sub - 115kV	0%	100%	No Change.
12	Knauf Substation	100%	0%	No Change.
13	Lewiston Sub	0%	100%	No Change.
14	Lawrence Livermore Labs	100%	0%	No Change.
15	Nimbus Sub	0%	100%	Line relay replacement in 2006, plus change to circuitry. Assignment is 100% nontransmission.
16	New Melones	0%	100%	No Change.
17	Obanion Sub	100%	0%	Contributed plant. Communications equipment added in January 2008. Ten separate projects went into service between 1999-2007. Cost incurred by Western is \$673K. TANC also has costs on their books.
18	Olinda 500 kV Sub	100%	0%	
19	Olinda 230kV sub.	100%	0%	No Change.
20	Pacheco Sub	0%	100%	No Change.
21	Roseville	0%	100%	Assignment should be 100% transmission. Rate impact based on \$.92 G&T (April 1, 2009 rate), was a \$.01 increase to firm point-to-point rate. Change during next rate update. When Shasta DB/DB is recorded in Western's F/S, facility assignment will be updated. Original cost will remain as assigned; additional cost (est. \$6.6 mill.) will be assigned to transmission.
22	Shasta	33%	67%	
23	San Luis Unit	0%	100%	No Change.
24	Trinity Interconnect Substation	0%	100%	Placed in service in December 2007.
25	Tracy Sub- 230kV	100%	0%	No Change.
26	Tracy Sub - 69kV	0%	100%	No Change.
27	Whiskeytown	0%	100%	No Change.
28	Wintu P.P. SWYD	0%	100%	No Change.
29	Ygnacio P.P. SWYD	0%	100%	No Change.

Western's Central Valley Project Miscellaneous Facilities - Proposed as of June 25, 2009

Line No.	Facility Name/Description	Transmission Percentage	Non-transmission	Notes/Changes from May 2004 Rate Brochure
Service and Maintenance Centers				
1	Elverta Maintenance Facility	74%	26%	Percentage changed; 3% increase to transmission. Houses capital intensive equipment for transmission lines.
2	Redding Maintenance Facility	59%	41%	Percentage changed; 11% decrease from transmission.
3	Tracy Maintenance Facility	25%	75%	Percentage changed; 5% decrease from transmission. Tracy has no equipment or line crew; therefore higher percentage to nontransmission.
4	Non-Facility	50%	50%	New. SMUD fiber optics equipment and replacement of VHF radio system.
5	SCADA	50%	50%	Allocated based on total facility cost split between tx and nontx.
Operation Centers				
6	Sacramento Dispatch Office	50%	50%	Allocated based on facility assignment.
7	Sacramento Energy Center	50%	50%	Allocated based on facility assignment.
8	Sacramento Area Operations Center	50%	50%	Allocated based on facility assignment.
Mobile Equipment				
9	Mobile Transformer -- Sacramento	50%	50%	Allocated based on facility assignment.
10	Mobile Transformer - Sub 5MVA	50%	50%	Allocated based on facility assignment.
Communication Facilities				
11	Mt. Oso (LBR) (Microwave)	90%	10%	No Change.
12	Elverta Microwave Building	90%	10%	No Change.
13	Grapevine Pass (Microwave)	90%	10%	No Change.
14	Happy Camp	90%	10%	New; same assignment as other comm. facilities.
15	Mt. Oso (TANC)	90%	10%	New; same assignment as other comm. facilities.
16	Maxwell Series Compensation	90%	10%	New; same assignment as other comm. facilities.
17	Sacramento (Microwave)	90%	10%	No Change.
18	Tracy 500kV (Fixed Radio equipment)	90%	10%	New; same assignment as other comm. facilities.
19	Southfork Mountain (Microwave)	90%	10%	No Change.
Metering Equipment 1/		0%	100%	No Change.
Reclamation Plant		0%	100%	All assigned to nontransmission.
1/ As meters are replaced, costs will be expensed. Also, Western will be transferring metering equipment for 11 cities to NCPA.				

Summary of Costs by Type of Facility

Western's Facility Assignment as of September 30, 2008

Type of Facility	Amount in \$		Percentage of Total Plant	
	Transmission	Nontransmission	Transmission	Nontransmission
Transmission Lines	\$ 49,908,628	\$ 9,516,080	20%	4%
Switchyards & Substations	\$ 48,632,550	\$ 87,524,076	20%	35%
Miscellaneous Facilities				
Service & Main. Centers	\$ 5,615,998	\$ 5,099,715	2%	2%
Operation Centers	\$ 16,782,748	\$ 16,958,202	7%	7%
Mobile Equipment	\$ 231,554	\$ 126,281	0%	0%
Communication	\$ 2,526,631	\$ 280,700	1%	0%
Metering Equipment	\$ -	\$ 5,396,767	0%	2%
Total	\$ 123,698,109	\$ 124,901,821	49.76%	50.24%
Grand Total	\$ 248,599,930		100%	

Application of Ratio of Gross Plant to Transmission/Nontransmission Plant

CVP Cost of Service Study as of September 30, 2008			
Ratio and Costs	Transmission	Nontransmission	Total Costs
Ratio	49.76%	50.24%	100.00%
O&M	\$22,387,478	\$22,603,434	\$44,990,912
Depreciation	\$3,082,128	\$3,111,859	\$6,193,987
Cost of Capital	\$918,986	\$927,851	\$1,846,837
Transmission Annual Revenue Requirement	\$26,388,592		
Revenue Requirement Adjustments			
1/ CVP Transmission Reservation Fee and other fixed charge transmission misc. revenue	(\$225,039)		
Other costs relating to facilities associated with transmission service (Western's cost for PG&Es work on Cot Sub & Rdn Mtn-Cot Line - pending contract)	\$83,607		
Short term Point-to-Point CVP Transmission Sales	(\$276,863)		
Total CVP Transmission Revenue Requirement	\$25,970,297		

1/ Under the Central Valley Project Rate Order No. WAPA-128, costs for reactive supply and voltage control support are no longer added to transmission.