

CRITERIA TO SELECT PATHS TO TEST METHODOLOGY FOR COMPARING HISTORICAL FLOWS AND ATC

Purpose: Select 5-6 transmission paths to test a proposed approach for conducting a study actual flows and ATC. The test paths would be identified using the following proposed criteria:

- Commercially important paths as identified in the SSG-WI and RMATS transmission planning work;
- At least one path with multiple owners to understand data and analysis problems associated with multiple owner paths;
- Paths where historical flows are significantly below OTC;
- At least one path between a good wind resource area and loads;
- Paths that might have been identified as problematic in the RTAs' 2000 biennial transmission plan;
- Paths with a high frequency of loop flow; and
- Selected paths are from different parts of the Western Interconnection.

Transmission Paths in the Western Interconnection

WECC Path #	WECC Path Name	Commercially Important ¹	Multiple Owners	Historic Flows and OTC (% Time Exceed 75% of OTC)	Wind Resource (Identified by NREL Wind Maps)	RTA Problems (DE=Data Errors; OSD=Omits net Schedule Data)	Frequency of loop flow (from WECC data) 2001 to 2004 data (Total Hours)	Location of Path	Suggested at PWG meeting
3	Northwest-Canada	A1, A2, C	BPA, BC Hydro	44%		DE		WA, BC	X
4	West of Cascades - North	A1, A2	BPA, Puget Sound	1%		OSD		WA	
5	West of Cascades-South		BPA	4%		OSD		OR, WA	
6	West of Hatwai	A2	BPA, Avista, PacifiCorp	43%	High (MT-PNW)			WA, OR, ID	
8	Montana to Northwest	C	BPA, Avista, North-Western	43%	High (MT-PNW)			MT, ID, WA	
14	Idaho to Northwest	A2	Idaho Power, Avista	2%	High (MT/WY-PNW)	OSD		ID, WA, OR	
15	Midway – Los Banos	C	PG&E, WAPA	28%		DE, OSD	PS = 520 C = 67	CA	
16	Idaho -		Sierra Pac	9%				NV, ID	

¹ As a guide, the 2003 SSG-WI transmission report identified and recommended paths as follows:

A1 = transmission additions for the gas, coal, and renewable scenarios;

A2= transmission additions for the coal and renewable scenarios;

C = transmission constrained.

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	Sierra		P, Idaho P						
17	Borah West	A2	Idaho P	38%	High (WY-West)	OSD		ID	
18	Idaho – Montana		North-Western, PacifiCorp	10%				ID, MT	
19	Bridger West	A2, C	PacifiCorp, Idaho P	98%	High (WY-West)			WY, ID	
20	Path C	A2	PacifiCorp	10%			PS = 10 C = 0	ID, UT	
22	Southwest of Four Corners	C	APS, SCE, WAPA	67%	High (NM-West)		PS = 150 C = 38	NM, AZ	
23	Four Corners 345/500 Kv Qualified Path		?	22%			PS = 335 C = 150	NM, AZ	
24	PG&E – SPP		PG&E, Sierra Pac P	5%		OSD		NV	
26	Northern – Southern California		SCE, LAW&P	4%		OSD		CA	X
27	Intermountain Power Project DC Line		Intermountain	97%				CA, NV, UT	
30	TOT 1A		WAPA, Tri State, Platte Riv	65%			PS = 858 C = 371	CO, UT	X
31	TOT 2A		Tri-State, WAPA, PS Colo.	26%			PS = 139 C = 91	CO, NM	
32	Pavant – Gonder 230 Kv		PacifiCorp, Sierra Pac P, Intermountain	8%				UT, NV	
34	TOT 2B		PacifiCorp	3%				UT, AZ	
35	TOT 2C	C	Nevada P, PacifiCorp	38%				NV, UT	
36	TOT 3	C	PS Colo., WAPA, Tri-State, Platte Riv	52%	High (WY-Denver)		PS = 20 C = 2	WY, CO	X
45	SDG&E – CFE		SDG&E, CFE	9%		OSD		CA, MEX	
46	West of Colorado River (WOR)	A1, A2, C	SCE, LAW&P	3%		OSD		CA, AZ, NV	
47	Southern New		El Paso E, PNM,	66%	High (So.NM)			NM, AZ	

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	Mexico		TX-NMP		-West)				
48	Northern New Mexico		PNM	38%	High (No.NM -West)			NM	
49	East of Colorado River (EOR)	A1, A2, C	SCE, SDG&E, APS, Imperial Irr., WAPA, US BR, LAW&P, Nevada P	10%				AZ, CA, NV	X
50	Cholla – Pinnacle Peak		APS	78%		OSD		AZ	
51	Southern Navajo		APS, Salt River, Tucson E	2%		OSD		AZ	
65	Pacific DC Intertie (PDCI)		BPA, LAW&P	32%				CA, NV, OR	
66	COI		WAPA, PG&E, PacifiCorp Trans. No.CA	38%			PS = 721 C = 190	CA, OR	X
73	North of John Day		BPA	22%				OR, WA	

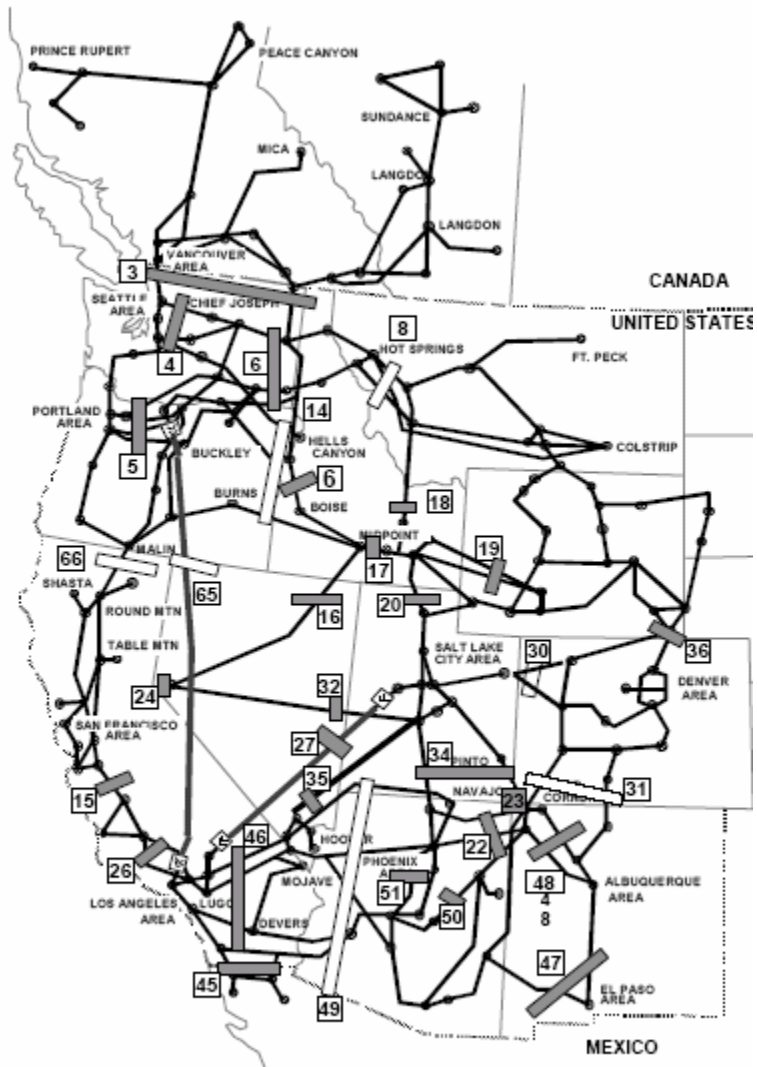


Figure 2
Transmission Paths