

**Major Multi-State Power Lines Proposals in the 11 Western United States**

<b>Name (Abbreviation)</b>	<b>Starting Point (Load Center)</b>	<b>End Point (Generation Source)</b>	<b>Miles &amp; States In Between</b>	<b>Voltage Class</b>	<b>Expected Rating</b>	<b>Generation Sources/ Additional Comments</b>
TransWest Express (TWE)	AZ (PHX)	WY (Central)	1,000 miles; CO, UT, NV	500 kV AC/DC	3,000 MW	Coal focus (see Gateway South for common corr.) <a href="http://www.oatioasis.com/AZPS/AZPSdocs/4182006Frontier_Summit_Presentation.pdf">www.oatioasis.com/AZPS/AZPSdocs/4182006Frontier_Summit_Presentation.pdf</a>
Gateway South (represents former WY West)	Las Vegas (Crystal)	WY (Central)	625 miles, UT	500 kV AC	*3,000 MW	coal and wind: <a href="http://transwest.azpsosis.com/docs/2007_11_TWE_GS_Regional_Stakeholder_Meeting.pdf">transwest.azpsosis.com/docs/2007_11_TWE_GS_Regional_Stakeholder_Meeting.pdf</a>
Gateway West	Melba, OR	Central WY (Dave J. Sbst.)	1175 miles ID	230 kV 500 kV	3,000 MW	<a href="http://www.oatioasis.com/IPC/IPCdocs/Gateway1_Stakeholder_Meeting_Gateway_West_Presentation_Sept_7_Final.pdf">www.oatioasis.com/IPC/IPCdocs/Gateway1_Stakeholder_Meeting_Gateway_West_Presentation_Sept_7_Final.pdf</a>
Frontier	CA	WY	1,000 miles; UT, NV	500 kV	6,000 MW	coal/wind *four potential routes all in WY to Vegas or PHX, then to S. and N. CA <a href="http://www.ftloutreach.com/workinggroups/transmissionanalysis.html">www.ftloutreach.com/workinggroups/transmissionanalysis.html</a>
High Plains Express (HPX)	AZ load centers	WY	1,280 miles CO, NM	up to 2 double 500 kV	3,500 to 7,500 MW	Wind, solar and scenarios mixing in fossil fuels. *looking to connect with WY-CO intertie, EPTP, Sunzia, CO-NM interconnection <a href="http://www.rmao.com/wtpp/HPX/HPX_Stakeholder_111407.pdf">www.rmao.com/wtpp/HPX/HPX_Stakeholder_111407.pdf</a>
Wyoming-Colorado Intertie Project (WCI) (also known as TOT 3)	NE CO (Pawnee Sbst.)	Central WY (Dave Johnst. Sbst.)	380 miles	230 kV and 345 kV	900 MW	Billed as wind only/first. Open season in 2008. Concern that line might later extend north into PRB and then more likely be targeted for coal.
Cheyenne-Miracle Mile/Ault	NE CO (Ault Sbst.)	s. central WY (M. Mile Sbst)	180 miles	230 kV upgrade	478 MW	coal/wind: FEIS at: <a href="http://www.eh.doe.gov/NEPA/ea/ea1456/">www.eh.doe.gov/NEPA/ea/ea1456/</a>
Eastern Plains Transmission Project (EPTP)	CO front range	eastern CO/ western KS	1,000 miles	230, 345 500 kV	2,000 plus MW	originally three coal plants; now possibly gas/wind mixture (or still some coal)
Sunzia Southwest Transmission Project	Near Casa Grande, AZ	Near Las Cruces, NM	300 miles	1 or 2 500 kV	3,000 MW	Solar, wind, geothermal and Bowie power station (proposed IGCC coal plant at one point)
CO-NM Interconnection Project	Walensburg CO	Gladstone, NM	117 miles	230 kV	200 MW	Energized and operational in 2007
BC—Northern CA Transmission	CA (Tracy)	B.C. (Selkirk)	1000 miles WA, OR	500 kV	3,000 MW	Renewables and other <a href="http://www.pge.com/biz/transmission_services/canada/">www.pge.com/biz/transmission_services/canada/</a>
Northern Lights Celilo Project	CA (San Fran. area)	Alberta, CA	1100 miles WA, OR	500 kV HVDC	3,000	gas/coal; <a href="http://www.transcanada.com/company/northernlights.html">www.transcanada.com/company/northernlights.html</a>

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Northern Lights Inland Express MT	Las Vegas then CA (LA area)	MT (PRB)	1,000 miles ID, NV	500 kV HVDC	3,000 MW	coal/wind *from Borah, ID to Las Vegas, follows SWIP line
Montana-Alberta Tie Line	Lethbridge (Alberta, CA)	Great Falls or Shelby, MT	215 miles	230 kV	300 MW	wind and other? (follow HWY 15 n. of Great Falls) <a href="http://www.matl.ca/">www.matl.ca/</a>
Northern Lights Inland Express WY	Las Vegas then AZ (PHX)	WY	1,000 miles ID, NV	500 kV HVDC	3,000 MW	coal/wind *from Borah, ID to Las Vegas, follows SWIP line
South-West Intertie Project (SWIP) <i>*H.Allen—Thirtymile is now part of SWIP for White Pines .</i>	NV Harry Allen Subst. NE of Las Vegas	Twin Falls, ID (Midpoint Subst.)	500 miles	500 kV	1,800 MW	White Pine coal plant (1,590 MW) plus a wind project, will connect Idaho Power with Nevada Power Sierra Pacific Power Companies
Harry Allen-Robinson Summit (Ely Energy Center) <i>*also called “ENTI or EN-ti and Nevada north-south</i>	NV Harry Allen Subst/ Substation	NV Robinson Summit Subst. near	250 miles	500 kV	1,500 MW	Ely Energy Center first phases is 1,500 MW PV coal; 2 <sup>nd</sup> phase is 1,000 MW IGCC coal; 200-300 MW of renewables capacity; would also connect IP with NP and SPPC
Mountains States Transmission Intertie (MSTI)	ID (Borah & Midpoint Substs.)	MT (Garrison & Townsend Substs.)	400 miles	500 kV	1,500 MW	fossil fuels and wind <a href="http://www.msti500kv.com/">http://www.msti500kv.com/</a>
PacifiCorp’s Hemingway-Captain Jack	Southern OR	Central ID	375 miles	500 kV	1,500 MW	Renewables/other
Idaho – Northwest Project	SE washington	Central ID	300 miles OR		1000 MW	<a href="http://www.oatiaoasis.com/IPCO/IPCOdocs/Revised_Final_OASIS_Posting.pdf">www.oatiaoasis.com/IPCO/IPCOdocs/Revised_Final_OASIS_Posting.pdf</a>
Navajo Transmission Project (NTP)	Boulder City, NV	Farmington NM (Desert Rock)	470 miles AZ	500 kV	1,200 to 1,500 MW	Coal at proposed Desert Rock plant <a href="http://www.eere.energy.gov/tribalenergy/pdfs/37_dine_power_hoisington.pdf">www.eere.energy.gov/tribalenergy/pdfs/37_dine_power_hoisington.pdf</a>
Sunrise Powerlink	San Diego County CA	Imperial Valley CA	150 miles	230 to 500 kV	1,000 MW	geothermal, wind, possibly Mexico fossil sources *Anza-Borrego Desert St. Park lands/wildlife issues
Palo Verde – Devers II	N. Palm Springs, CA	AZ (Harquah. Subst.)	230 miles	500 kV	900 MW	Natural gas power plant: <a href="http://www.cpuc.ca.gov/Environment/info/aspen/dpv2/map_1-1.pdf">www.cpuc.ca.gov/Environment/info/aspen/dpv2/map_1-1.pdf</a>
Palo Verde – North Gila	Yuma, AZ	AZ (PV Hub)	115 miles	500 kV	1,500 MW	<a href="http://www.aps.com/files/siting/pvngpresentation_final.pdf">www.aps.com/files/siting/pvngpresentation_final.pdf</a>