Transmission Business Line

WHAT'S REQUIRED TO CONDUCT LONG-TERM AND SHORT-TERM BUSINESS WITH BPA'S TRANSMISSION BUSINESS LINE AND SUBMIT A RESERVATION ON OASIS?

In order to conduct long-term and short-term business with BPA's Transmission Business Line on OASIS completion of the following steps is required:

Step 1) Obtain a DUNS Number (provided by Dun & Bradstreet). Acquiring this number identifies the customer's company on OASIS. The DUNS Number is used in the registration process below for the Tradewave Certificate.

- To obtain a DUNS Number: Call 1-800-333-0505
- Press #1 for the Information Resources Customer Services Center for a DUNS number. Services are available Monday through Friday from 8 a.m. to 6 p.m. (EST).
- For a Level 1 DUNS Number Request, the customer gets a DUNS Number and is entered into the system within a 24-hour period. There is no fee.
- For a Level 2 DUNS Number Request, the customer gets Level 1 service above and a credit evaluation service for a one time fee of $49.00.

Step 2) Register at www.tsin.com (on-line registration) as a Transmission Customer; there is no option to do telephone registration.

Step 3) Obtain a Tradewave Certificate. The certificate provides security on the OASIS internet and secures communication between your company's authorized OASIS user(s) and the transmission provider.

- To obtain a Tradewave Certificate register using the internet at http://ca1.tradewave.com/oasis.html.
- Once registration is approved, download and install the TradeAgent Client software.
- If you need assistance call 1-888-882-1104 and press #1 for registration assistance.
- There is a $100.00 annual fee for a Tradewave Certificate.

Step 4) Submit the following **optional** OASIS Access form. Approval of this form allows first time customers who haven't used the OASIS to submit requests for transmission services.

- Complete this **optional** OASIS Access form (* Indicates Required Fields)

Customer Information

* indicates required field			
Company	*	DUNS	*
Address 1	*	(DUNS Must correspond to TSIN.COM Registration)	
Address 2		Tax Id #	

City	*	St *	Zip *
Representative	*	(Authorized to establish contractual relationships)	

Contact Information

Contact	*	(Tradewave Certificate Holder)
Tradewave Certificate	nwoasis,0= *	
	(cn = name, ou = org, u = tradewave, c = us)	
E-Mail	*	
Phone	*	

Contract Information

Contract Type			
Long Term PTP Long Term NT Short Term PTP	Effective Date		(Pacific Time)
	Termination Date		(Pacific Time)

Comments Section

Clear Send

You will be contacted to verify the request and establish additional contract requirements if necessary so that you can obtain a signed BPA Transmission Service Agreement (Service Agreement) for service selected in the OASIS Access form, in accordance with BPA's Open Access Transmission Tariff (Tariff)

Step 5) Obtaining a Service Agreement.

- For short-term PTP only, if you have submitted the optional OASIS Access Form, a final PTP umbrella Service Agreement will be mailed per the Tariff. Otherwise you may contact your Transmission Account Executive for a PTP umbrella Service Agreement. Once the Service Agreement is signed by both BPA and your company, short-term requests for service can be made on OASIS.

- For long-term PTP or NT, submit a complete written application for long-term PTP or NT transmission service, along with the $2,500 processing fee, to your Transmission Account Executive. A response to the application for long-term service will be responded to in accordance with the Tariff. If service is available and the application is complete, a PTP or NT Service Agreement will be mailed to you for signature.

Step 6) Submit customer requests for short-term transmission service on the OASIS. A request for short-term transmission service identifies the parameters such as points of interconnection or receipt (POI/POR), points of delivery (POD) and demand limits.

- Requests for short-term transmission service can be made on OASIS at **http://www.nwoasis.org/OASIS/BPA**. Requests must be submitted using the FERC defined standards. The OASIS Sale Reference field must have the Service Agreement contract number provided to the customer in step 5 above. Every request is date and time stamped when received. Requests will be analyzed according to TBL's reservation procedures.
- Long-term service requests can be mailed or faxed to your Transmission Account Executive.

If you have any questions regarding reservation and scheduling of transmission, contact the BPA Reservations Desk at: 360-418-8499, 8 a.m. to 4:30 p.m. PST.

Revised 5/6/1999

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In order to serve our customers better, the BPA Transmission Business Line is introducing an electronic mail forum where our customers may submit questions or comments on BPA's Transmission Capacity directly to BPA staff

NEW! BPA's Transmission Capacity E-mail Forum NEW!

Path Constraints

Related Links:

- Estimated Path Constraints
- Preschedule Curtailments
- Intertie News
- Network News

Known Constraints

COI, PDCI, NI, MPC-NW, WOH, La Grande, RATS

The WSCC Board of Trustees has approved the Operational Transfer Capability (OTC) limits for Spring operation (4/7/99-5/31/99) of the COI and PDCI. Starting on Wednesday, 4/7/99 at 0001 hours, the COI North to South maximum limit of 4800 MW and the PDCI North to South maximum limit of 2990 MW NOB at 311+311 operation (Celilo P.O. limited to 3100 MW) will be in effect. The actual OTC of the COI and the PDCI may be reduced below these limits due to outages or nomogram limits. For historical records of Southern Intertie OCSG approved seasonal OTCs, please see **OCSG Approved Historical Southern Intertie Total Capacity Limits** Revision `Posted 4/7/1999`

Capacity Restrictions caused by forced outages on Real-Time are not posted below. Real-Time outages are communicated among affected Parties by means of WSCC telenet messages and/or telephone.

See:

Daily/Hourly COI Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S)	MW Limit (S-N)
COI				(4800 max)	(3675 max)
	4/7/99 - Until Further Notice	HE 0100 on 4/7/99 - Until Further Notice	CaISO's default non-outage Northern California Hydro at 70%	4600	3675
	5/20/99 - 5/26/99	HE 1000 on 5/20/99 - HE 1600 on 5/26/99	CaISO's Olinda RAS A&B cap insertion & reactor cut out for loss of PDCI	4100	3675
	5/24/99 - 5/26/99	HE 1000 on 5/24/99 - HE 1600 on 5/26/99	Sycan 500 kV Series Cap Group #3	4500	2450
	5/24/99 - 7/9/99	HE 0800 on 5/24/99 - HE 1800 on 7/9/99	CaISO's Midway: Gates 500 kV series caps	4000	3675
	5/25/99 - 5/26/99	HE 0800 on 5/25/99 - HE 1800 on 5/26/99	WAPA's Captain Jack-Olinda 500 kV line	3200	2500
	5/25/99 - 5/26/99	HE 1100 on 5/25/99 - HE 2000 on 5/26/99	WAPA's Olinda 500 kV Shunt Capacitor PT6A	4100	3675
	5/27/99	HE 0800 - HE 1500	CaISO's Vaca Dixon-Tesla 500 kV line	3350	3675
	6/1/99	HE 0800 - HE 1400	Vantage-Schultz #1 500 kV, Vantage-Columbia #1 230 kV, Fort Rock series cap grp #2	4050	2450
	6/1/99 - 6/3/99	HE 1500 on 6/1/99 - HE 0500 on 6/3/99	Vantage-Schultz #1 500 kV, Vantage-Columbia #1 230 kV, Sand Springs series cap grp #2	4100	2450
	6/3/99	HE 0600 - HE 1700	Vantage-Schultz #1 500 kV, Vantage-Columbia #1 230 kV, PACW's Meridian-Lone Pine 230 kV, Troutdale 230 kV cap grp #8, Ostrander-Troutdale #1 500 kV	3975	2450
	6/3/99 - 6/5/99	HE 1800 on 6/3/99 - HE 0500 on 6/5/99	Vantage- Columbia #1 230 kV, PACW's Meridian-Lone Pine 230 kV	4150	2450
	6/5/99	HE 0500 - HE 1400	CaISO's Round Mountain-Table Mountain #2 500 kV	2450	3200
	6/5/99	HE 0600 - HE 1400	Grizzly-Summer Lake 500 kV, Slatt-Buckley 500 kV	2600	2450
	6/5/99	HE 1500 - HE 2200	CaISO's Malin-Round Mountain #2 500 kV	3200	2500
	6/5/99 - 6/6/99	HE 1500 on 6/5/99 - HE 0800 on 6/6/99	PGE's Boardman PH, WNP-2	4150	2450
	6/6/99	HE 0900 - HE 1800	Buckley-Grizzly 500 kV, Slatt-Buckley 500 kV	2600	2450
	6/6/99	HE 0900 - HE 1800	CaISO's Malin-Round Mountain #2 and Round Mountain-Table Mountain #2 500 kV lines	2450	2500
	6/7/99 - 6/11/99	HE 0800 on 6/7/99 - HE 1700 on 6/11/99	CaISO's Cottonwood-Roseville 230 kV line	4000	3675

	6/14/99 - 6/18/99	HE 0700 on 6/14/99 - HE 1600 on 6/18/99	CaISO's Table Mountain: Round Mountain #1 500 kV series capacitors	3300	3675
	7/15/99	HE 0800 - HE 1700	CaISO's Table Mountain 500 kV Cap #5	4350	3675
	7/16/99	HE 0800 - HE 1700	CaISO's Table Mountain 500 kV Cap #6	4350	3675

See:
Daily/Hourly PDCI Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S) NOB	MW Limit (S-N) NOB
PDCI				**(2990 max)**	**(2858 max)**
	4/7/99 - Until Further Notice	HE 0100 on 4/7/99 - Until Further Notice	CaISO's default non-outage Northern California Hydro at 70%	2898	2858
	5/20/99 - 5/26/99	HE 1000 on 5/20/99 - HE 1600 on 5/26/99	CaISO's Olinda RAS A&B cap insertion & reactor cut out for loss of PDCI	2990	2261
	5/25/99 - 5/26/99	HE 1100 on 5/25/99 - HE 2000 on 5/26/99	WAPA 's Olinda 500 kV Shunt Capacitor PT6A	2990	2261
	5/25/99 - 5/26/99	HE 0800 on 5/25/99 - HE 1800 on 5/26/99	WAPA 's Captain Jack-Olinda 500 kV line	2990	2313
	5/24/99 - 5/26/99	HE 1000 on 5/24/99 - HE 1600 on 5/26/99	Sycan 500 kV Series Cap Group #3	2805	1904
	5/29/99 - 5/30/99	HE 0600 - HE 1700 Each Day	Celilo-Sylmar Poles 3 & 4 LADWP's Y2K mediation	0	0
	6/1/99	HE 0800 - HE 1400	Vantage-Schultz #1 500 kV, Vantage-columbia #1 230 kV, Fort Rock series cap grp #2	2539	1904
	6/1/99 - 6/3/99	HE 1500 on 6/1/99 - HE 0500 on 6/3/99	Vantage-Schultz #1 500 kV, Vantage-columbia #1 230 kV, Sand Springs series cap grp #2	2572	1904
	6/3/99	HE 0600 - HE 1700	Vantage-Schultz #1 500 kV, Vantage-columbia #1 230 kV, PACW's Meridian-Lone Pine 230 kV, Troutdale 230 kV cap grp #8, Ostrander-Troutdale #1 500 kV	2494	1904
	6/3/99 - 6/5/99	HE 1800 on 6/3/99 - HE 0500 on 6/5/99	Vantage-columbia #1 230 kV, PACW's Meridian-Lone Pine 230 kV	2602	1904
	6/5/99	HE 0500 - HE 1400	CaISO's Round Mountain-Table Mountain #2 500 kV	2990	2313
	6/5/99	HE 0600 - HE 1400	Grizzly-Summer Lake 500 kV, Slatt-Buckley 500 kV	2431	1904

	6/5/99 - 6/6/99	HE 1500 on 6/5/99 - HE 0800 on 6/6/99	PGE's Boardman PH, WNP-2	2602	1904
	6/5/99	HE 1500 - HE 2200	CaISO's Malin-Round Mountain #2 500 kV	2990	2313
	6/6/99	HE 0600 - HE 1800	SCE's Midway-Vincent #3 500 kV	2990	2313
	6/6/99	HE 0900 - HE 1800	Buckley-Grizzly 500 kV,Slatt-Buckley 500 kV	2431	1904
	6/6/99	HE 0900 - HE 1800	CaISO's Malin-Round Mountain #2 and Round Mountain-Table Mountain #2 500 kV lines	2898	2313
	6/14/99 - 6/18/99	HE 0700 on 6/14/99 - HE 1600 on 6/18/99	CaISO's Table Mountain: Round Mountain #1 500 kV series capacitors	2898	2313

See:
Daily/Hourly NI Westside Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S)	MW Limit (S-N)
WNI		**Custer-Ingledow:**		**(2850 max)**	**(2000 max)**
	5/27/99 - 5/29/99	HE 0100 - HE 2400 Each Day	Nomogram/Scheduling Limits	See Hourly Breakdown for limits	See Hourly Breakdown for limits
	5/1/99 - 5/31/99	HE 0100 - HE 0500 HE 0600 - HE 2200 HE 2300 - HE 2400	MAY Nomogram operation limit	2487 2682 2487	849 821 849
	5/17/99 - 5/28/99	HE 0900 on 5/17/99 - HE 1600 on 5/28/99	BCH's American Creek Series Caps 5CX1	2000	2000
	5/17/99 - 5/26/99	HE 0900 on 5/17/99 - HE 1600 on 5/26/99	BCH's Nicola-Ingledow 500 kV line	1200	1500
	5/26/99 - 5/28/99	HE 0100 on 5/26/99 - HE 1500 on 5/28/99	Monroe PCB 4684	2850	987
	5/31/99 - 6/25/99	HE 0900 on 5/31/99 - HE 1600 on 6/25/99	BCH's Creekside Series Caps	2000	2000
	6/1/99	HE 0900 - HE 1400	Monroe 500/230 kV bank	1096	0
	6/7/99	HE 0800 - HE 1500	Tacoma-Raver #1 & #2 500 kV	2659	0

	6/7/99 - 6/18/99	HE 0900 on 6/7/99 - HE 1600 on 6/18/99	BCH's Kelly Lake-Nicola 500 kV line	2000	2000
	6/14/99	HE 0900 - HE 1600	BCH's Custer-Ingledow #2 500 kV line	1800	1800
	6/21/99 - 6/22/99	HE 0900 on 6/21/99 - HE 1600 on 6/22/99	BCH's Kelly Lake-Cheekeye 500 kV line	1400	1500
	6/23/99 - 6/25/99	HE 0900 on 6/23/99 - HE 1600 on 6/25/99	BCH's Cheekeye-Meridian 500 kV	1400	1500
ENI		**Boundary-Nelway 230 kV** **Boundary-Waneta 230 kV**		**(400 max)**	**(300 max)**
	5/1/99 - UFN	HE 0700 - HE 2200 Monday - Friday	Canadian hydro		100
	5/1/99 - UFN	HE 2300 - HE 0600 Monday - Friday	Canadian hydro		0
	5/1/99 - UFN	HE 0100 - HE 2400 Saturday - Sunday	Canadian hydro		0

See:
Daily/Hourly Montana to Northwest Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (E-W)	MW Limit (W-E)
MPC-NW				**(2200 max)**	**(600 max)**
	5/3/99 - 6/11/99	HE 0100 on 5/3/99 - HE 1700 on 6/11/99	Hatwai 500/230/34/5 kV Bank #1	1900	
	5/3/99 - 6/4/99	HE 0700 on 5/3/99 - HE 17 on 6/4/99	Miles City Converter Station	2000	
	6/21/99 - 6/22/99	HE 0700 - HE 1800 Daily	Broadview-Garrison #1 500 kV	1900	
	6/23/99 - 6/24/99	HE 0700 - HE 1800 Daily	Broadview-Garrison #2 500 kV	1900	

See:
Daily/Hourly West of Hatwai Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (E-W)	MW Limit (W-E)
WOH				(2800 max)	

See:
Daily/Hourly LaGrande Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (E-W)	MW Limit (W-E)
ID-NW				(413 max)	(350 max)

See:
Daily/Hourly Reno-Alturas Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S)	MW Limit (S-N)
RATS				(300 max)	(300 max)

Posted 5/26/1999

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NEW! BPA's Transmission Capacity E-mail Forum NEW!

Path Constraints

Related Links:

- Estimated Path Constraints
- Preschedule Curtailments
- Intertie News
- Network News

Proposal to move Northern Intertie outages for the month of July

Known Constraints

COI, PDCI, NI, MPC-NW, WOH, La Grande, RATS

The WSCC Board of Trustees has approved the Operational Transfer Capability (OTC) limits for Summer operation (6/3/99-10/31/99) of the COI and PDCI. Starting on Thursday, 6/3/99 at 0001 hours, the COI North to South maximum limit of 4600 MW and the PDCI North to South maximum limit of 2871 MW NOB at 311+311 operation (Celilo P.O. limited to 2971 MW) will be in effect. The actual OTC of the COI and the PDCI may be reduced below these limits due to outages or nomogram limits. For historical records of Southern Intertie OCSG approved seasonal OTCs, please see **OCSG Approved Historical Southern Intertie Total Capacity Limits** Revision `Posted 6/3/1999`

Capacity Restrictions caused by forced outages on Real-Time are not posted below. Real-Time outages are communicated among affected Parties by means of WSCC telenet messages and/or telephone.

See:

Daily/Hourly COI Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S)	MW Limit (S-N)
COI				**(4600 max)**	**(3675 max)**
	6/3/99 - 7/9/99	HE 0100 on 6/399 - HE 1800 on 7/9/99	CaISO's Midway: Gates 500 kV series caps	4400	3675
	6/21/99 - UFN	HE 0100 on 6/21/99 - Until Further Notice	CaISO's Northern California Hydro default capactiy (non-outage)	4548	3675
	7/6/99 - 7/7/99	HE 0900 on 7/6/699 - HE 0800 on 7/7/99	Sand Spring 500 kV series cap gr #1	4350	2450
	7/7/99	HE 0900 - HE 1800	Sand Spring 500 kV series cap gr #1, PACW's Midpoint-Summer Lake 500 kV	4250	2450
	7/7/99 - 7/8/99	HE 1900 on 7/7/99 - HE 1600 on 7/8/99	Sand Spring 500 kV series cap gr #1	4350	2450
	7/12/99 - 7/14/99	HE 0800 - HE 1700 daily	Paul-Allston #2 500 kV	4210	2450
	7/15/99	HE 0800 - HE 1700	CaISO's Table Mountain 500 kV Cap #5	4350	3675
	7/16/99	HE 0800 - HE 1700	CaISO's Table Mountain 500 kV Cap #6	4350	3675
	7/19/99 - 7/23/99	HE 0900 on 7/19/99 - HE 1700 on 7/23/99	NW generation, N California Hydro with Grand Coulee-Chief Jo #1, Alvey-Fairview #1, PACW's Alvey-Dixonville, and PACW's Grants Pass-Meridian 230 kV lines	4200	2450
	7/26/99 - 7/30/99	HE 0800 on 7/26/99 - HE 1600 on 7/30/99	NW generation, N California Hydro with Grand Coulee-Chief Jo #1, Alvey-Fairview #1, PACW's Alvey-Dixonville, and PACW's Grants Pass-Meridian 230 kV lines	4200	2450

See:
Daily/Hourly PDCI Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S) NOB	MW Limit (S-N) NOB
PDCI				**(2871 max)**	**(2858 max)**
	6/21/99 - UFN	HE 0100 on 6/21/99 - Until Further Notice	CaISO's Northern California Hydro default capacity (non-outage)	2839	2858
	7/6/99 - 7/7/99	HE 0900 on 7/6/699 - HE 0800 on 7/7/99	Sand Spring 500 kV series cap gr #1	2721	1904

	7/7/99	HE 0900 - HE 1800	Sand Spring 500 kV series cap gr #1, PACW's Midpoint-Summer Lake 500 kV	2665	1904
	7/7/99 - 7/8/99	HE 1900 on 7/7/99 - HE 1600 on 7/8/99	Sand Spring 500 kV series cap gr #1	2721	1904
	7/12/99 - 7/14/99	HE 0800 - HE 1700 Daily	Paul-Allston #2 500 kV	2633	1904
	7/19/99 - 7/23/99	HE 0900 on 7/19/99 - HE 1700 on 7/23/99	NW generation, N California Hydro with Grand Coulee-Chief Jo #1, Alvey-Fairview #1, PACW's Alvey-Dixonville, and PACW's Grants Pass-Meridian 230 kV lines	2628	1904
	7/26/99 - 7/30/99	HE 0800 on 7/26/99 - HE 1600 on 7/30/99	NW generation, N California Hydro with Grand Coulee-Chief Jo #1, Alvey-Fairview #1, PACW's Alvey-Dixonville, and PACW's Grants Pass-Meridian 230 kV lines	2628	1904

See:
Daily/Hourly NI Westside Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S)	MW Limit (S-N)
WNI		**Custer-Ingledow:**		**(2850 max)**	**(2000 max)**
	7/7/99 - 7/8/99	HE 0100 - HE 2400 Each Day	Nomogram based Scheduling Limits	See Hourly Breakdown for limits	See Hourly Breakdown for limits
	7/1/99 - 7/31/99	HE 0100 - HE 0500 HE 0600 - HE 1100 HE 1200 - HE 1800 HE 1900 - HE 2200 HE 2300 - HE 2400	JULY capacities based on all lines and equipment in service	2850 2749 2436 2749 2850	2000 2000 1822 2000 2000
	7/6/99	HE 0700 - HE 1000 HE 1100 - HE 1600	Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 230 kV main bus; Monroe 500 kV PCB 4714, PSE's Portal Way 230/115 bank	2850 2850	1949 1740
	7/6/99 - 7/7/99	HE 1700 on 7/6/99 HE 1800 - HE 2200 on 7/6/99 HE 2300 on 7/6/99 - HE 0500 on 7/7/99 HE 0600 - HE 0700 on 7/7/99	Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, PSE's Portal Way 230/115 bank	2850 2850 2850 2850	1710 1990 1706 1990

	7/7/99 - 7/8/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, PSE's Portal Way 230/115 bank, Sno-King 230 kV main bus (forces out Maple Valley-Sno-King and Sno-King 230/115 bank #2)		
		HE 0800 - HE 1000 on 7/7/99		2850	1541
		HE 1100 - HE 1700 on 7/7/99		2850	964
		HE 1800 - HE 2200 on 7/7/99		2850	1541
		HE 2300 on 7/7/99 - HE 0500 on 7/8/99		2850	1825
		HE 0600 - HE 1000 on 7/8/99		2850	1541
		HE 1100 - HE 1500 on 7/8/99		2850	964
	7/8/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, PSE's Portal Way 230/115 bank		
		HE 1600 - HE 1700		2850	1877
		HE 1800 - HE 2400		2850	2000
	7/9/99 - 7/11/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, PSE's Portal Way 230/115 bank		
		HE 0100 - HE 1000 Daily		2850	2000
		HE 1100 - HE 1700 Daily		2850	1877
		HE 1800 - HE 2400 Daily		2850	2000
	7/12/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, PSE's Portal Way 230/115 bank		
		HE 0100 - HE 1000		2850	2000
		HE 1100 - HE 1600		2850	1877
	7/12/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714		
		HE 1700		2850	1862
		HE 1800 - HE 2400		2850	2000
	7/12/99-7/15/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714		
		HE 0100 - HE 1000 Daily		2850	2000
		HE 1100 - HE 1700 Daily		2850	1862
		HE 1800 - HE 2400 Daily		2850	2000
	7/16/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714		
		HE 0100 - HE 0700		2850	2000

	7/16/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, Sno-King 230 kV North main bus (forces out Bothell-Sno-King, Sno-King 230/115 kV Banks #1 & #2, and Cap Group #1)		
		HE 0800 - HE 1000		2850	1431
		HE 1100 - HE 1700		2668	870
		HE 1800 - HE 2200		2850	1431
		HE 2300 - HE 2400		2850	2000
	7/17/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, Sno-King 230 kV North main bus (forces out Bothell-Sno-King, Sno-King 230/115 kV Banks #1 & #2, and Cap Group #1)		
		HE 0100 - HE 0400		2850	2000
		HE 0500 - HE 1000		2850	1431
		HE 1100 - HE 1700		2668	870
		HE 1800 - HE 2200		2850	1431
		HE 2300 - HE 2400		2850	2000
	7/18/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, Sno-King 230 kV North main bus (forces out Bothell-Sno-King, Sno-King 230/115 kV Banks #1 & #2, and Cap Group #1)		
		HE 0100 - HE 0400		2850	2000
		HE 0500 - HE 1000		2850	1431
		HE 1100 - HE 1500		2668	870
	7/18/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714		
		HE 1600 - HE 1700		2850	1518
		HE 1800 - HE 2400		2850	2000
	7/19/99 - 7/21/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714		
		HE 0100 - HE 1000 Daily		2850	2000
		HE 1100 - HE 1700 Daily		2850	1518
		HE 1800 - HE 2400 Daily		2850	2000
	7/22/99		Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714		
		HE 0100 - HE 0700		2850	2000

	7/22/99	HE 0800 - HE 1000 HE 1100 - HE 1600	Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714, Monroe 230 kV main bus	2656 2712	1352 584
	7/22/99	HE 1700 HE 1800 - HE 2400	Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714	2850 2850	1518 2000
	7/23/99	HE 0100 - HE 0600	Monroe-Horse Ranch Tap section of the Monroe-Snohomish-Horse Ranch Tap 230 kV, Monroe 500 kV PCB 4714	2850	2000
	8/1/99 - 8/31/99	HE 0100 - HE 0500 HE 0600 - HE 1100 HE 1200 - HE 1600 HE 1900 - HE 2200 HE 2300 - HE 2400	AUGUST capacities based on all lines and equipment in service	2850 2497 2247 2497 2850	2000 2000 1853 2000 2000
ENI		**Boundary-Nelway 230 kV** **Boundary-Waneta 230 kV**		**(400 max)**	**(300 max)**
	5/1/99 - UFN	HE 0700 - HE 2200 Monday - Friday	Canadian hydro		100
	6/18/99 - UFN	HE 2300 - HE 0600 Monday - Friday	Canadian hydro		25
	6/18/99 - UFN	HE 0100 - HE 2400 Saturday - Sunday	Canadian hydro		25

See:
Daily/Hourly Montana to Northwest Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (E-W)	MW Limit (W-E)
MPC-NW				**(2200 max)**	**(600 max)**

See:
Daily/Hourly West of Hatwai Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (E-W)	MW Limit (W-E)
WOH				(2800 max)	

See:
Daily/Hourly LaGrande Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (E-W)	MW Limit (W-E)
ID-NW				(413 max)	(350 max)

See:
Daily/Hourly Reno-Alturas Limits

Path	Date(s)	Duration	Reason for Curtailment	MW Limit (N-S)	MW Limit (S-N)
Malin - Hilltop				(300 max)	(300 max)

Posted 7/6/1999

BPA Transmission Business Line System Operations Operations Information Interface (OPI external)

Generation Analysis

1. Reactive (MVAR) Output at Selected NW Generating Plants: Jan 96 - Feb 98
   (3.3mb) Spreadsheets of Daily Avg and Hourly Avg MVAR for 14 plants (with kv feed breakdowns for 4 plants)
2. **Glass Mountain Geo-Thermal Generation Project:**
   1. Unplanned Malin-Warner 230 kV outages, 01Jan90 to 30Apr98 **(26mb)**
   2. Questions regarding Reno - Alturas Project

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BPA Transmission Business Line System Operations Operations Information Interface (OPI)

ATC Documents and Related Studies

1. **ATC Summary**
   Word 6.0 document summarizing ATC investigations on defined internal system paths. (19k)
2. **Path Use Factors**
   an Excel 5.0 workbook containing path use factors (PUFs) for over 2700 buses in the Pacific Northwest powerflow network model. These factors provide a method to calculate use of the paths between any POI and POD in the network by simple multiplication and addition. (325k)
3. **Western ATC Document**
   Determination of Available Transfer Capability within the Western Interconnection (dated February 18, 1997, from Colorado Coordinated Planning Group, Northwest Regional Transmission Association, Southwest Regional Transmission Association, Western Regional Transmission Association, and Western Systems Coordinating Council). (85k)
4. **Network Path TTC Draft Report: July 1997**
   (422k)

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