



*Northwest Transmission Assessment Committee Meeting
May 18, 2004 - Portland, OR*

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FINAL AGENDA

NW TRANSMISSION ASSESSMENT COMMITTEE (NTAC)

**May 18, 2004, 8:30 AM-3:30 PM
Portland, OR – PDX Conference Center**

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- | | |
|---|-----------------------------|
| 1. Introductions, Arrangements, and Agenda Changes | Chris Reese, PSE, Chair |
| 2. Meeting Notes – March 18, 2004 | Dana Reedy, NWPP |
| 3. Integrated High Path Studies | All |
| a. Montana – North Pacific Coast Study | S. Waples, J. Leland |
| b. BC- California Study | Gary Deshazo |
| 1. Puget Sound Area Study | J. Phillips, G. Dobson-Mack |
| 2. Cross Cascades South, NJD-COI | |
| c. Wyoming/Utah/Idaho – North Pacific Coast Study | Ron Schellburg |
| 4. NWPP/NTAC Load Forecasting | Shepard Buchanan |
| 5. TPC/NTAC Screening Studies | Melvin Rodrigues |
| a. Current Status | Melvin, Study Team |
| b. Long Term Plan | Don Johnson, Marv Landauer |
| 1. Base Case Matters, etc. - | |
| 7. Sub-Regional Planning Groups – Communication | ALL |
| 8. Regional Queue | Lon Peters |
| 9. Other Topics | Open |
| 10. Next Meetings – When/Where? | Chris Reese |

BC - N California
Integrated Path Study

Gary DeShazo, Marv Landauer

Puget Sound Area Study

John Phillips
C.V. Chung
Gordon Dobson-Mack
John Martinsen
Jeff Newby
Phil Park
Berhanu Tesema

Cross Cascades South and
PNW-COB

Kenny Dillon
Don Johnson
Marv Landauer

BC-California
Bidirectional Path Study

Gary Deshazo
Joe Seabrook
Marv Landauer
Don Johnshon
Gordon Dobson-Mack
CAISO Staff

Montana - Pacific Coast Integrated
Path Study

Scott Waples, John Leland

Montana - N PAC Coast
Study

John Leland
Scott Waples
Mike Magruder
Larry Frick
Joe Seabrook

Alberta - Montana Path
Information

John Leland
Lorry Wilson

Montana - Idaho Path
Information

John Leland
Ron Schellburg

Wyoming/Utah-Idaho-Pacific Coast
Integrated Path Study

Ron Schellburg

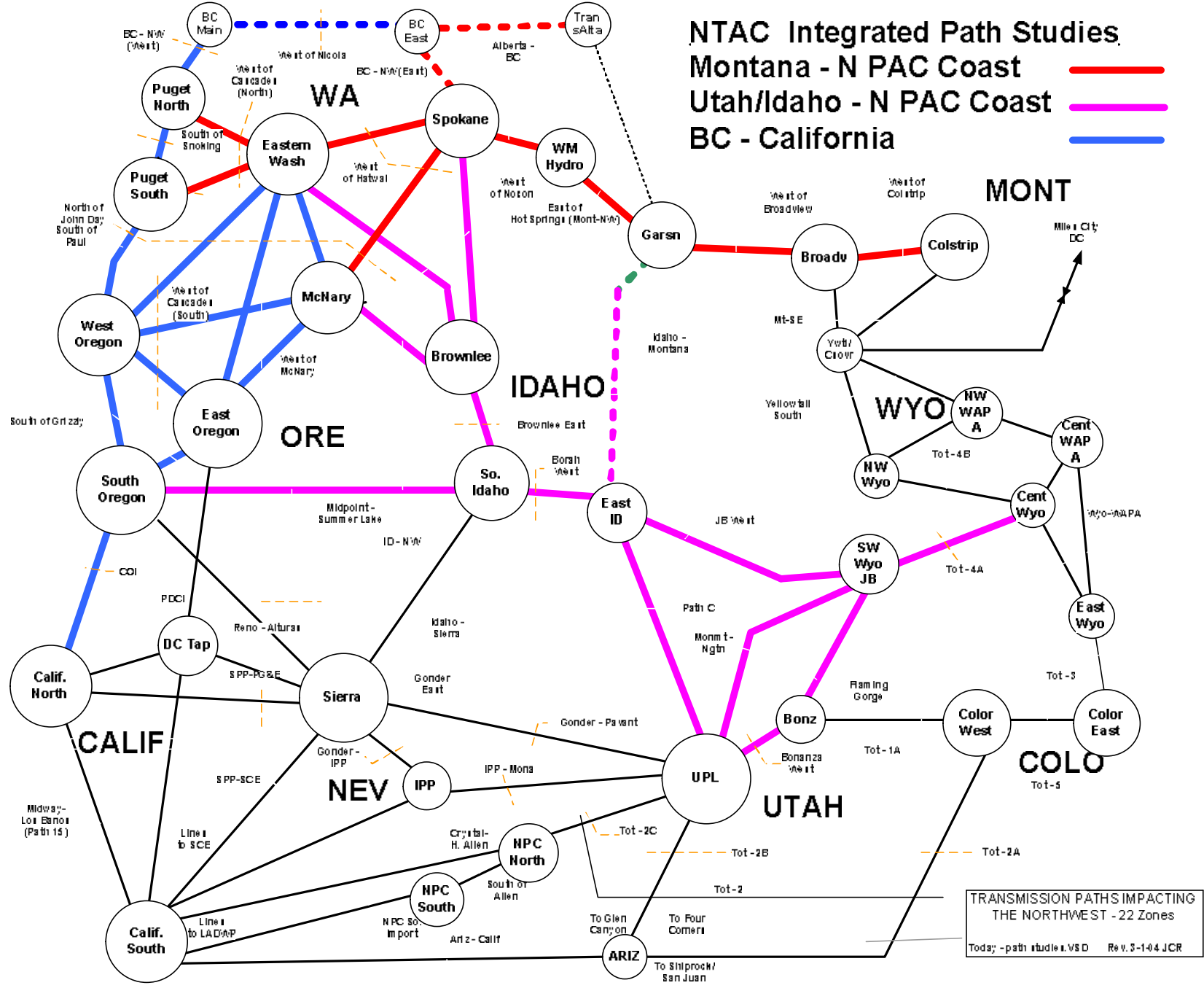
RMATS Study Results

Ron Schellburg
Ken Morris
Don Johnson

Idaho-Pacific Northwest
Path Studies

Ron Schellburg
Don Johnson

NTAC Integrated Path Studies Montana - N PAC Coast Utah/Idaho - N PAC Coast BC - California



Facility	Cost	Cost with OH	Notes
500-kV line		\$2 million/mile	Single circuit, 4 deschutes, includes land
500-kV breaker		\$2 million/breaker	Breaker and half per terminal
500-kV reactor	\$4 million	\$4.5 million	180 Mvar
500-kV series capacitors	\$9.3 million	\$10.7 million	2400 amps, 28 ohms, existing station
230-kV line		\$1 million/mile	
230-kV breaker		\$1 million/breaker	

CANADA TO CALIFORNIA 300 MW PLAN

Facility	Miles	Compensation	Breakers	Cost
Lethbridge Alberta to Shelby Montana 230-kV line	100 miles 230-kV			\$100
breakers			4?	\$4
300 MW Montana to NW upgrade				
Check John Leland				
Loop Hanford-Ostrander into John Day	40 miles 500-kV		3	\$86
or				
Buckley Development with series comp		2 banks	12	\$46
5100 MW Uprate on NW AC Intertie			misc	
California Upgrades				
300 MVAR SVC				\$50
				\$286
Note: some of these items would also improve South to North capability of the COI.				

CANADA TO CALIFORNIA TRANSMISSION 1500 MW PLAN

Line Segment	Miles	Compensation	Breakers	Reactor	
			500-kV	500-kV, 180 Mvar, 3 phase	
Tar Sands-Cranbrook	?		2		
Cranbrook-Selkirk	?		3		
Selkirk to Boundary	17		3		
Boundary-Bell	100				
Bell-Ashe	107		4	1	Bell
Ashe-Grandview	35		4	1	Ashe
Grandview-John Day	62		3		
John Day to 230 line	24				
230 line to Maupin	1				
4 terminal switchyard			5	1	Round Butte Tap
Maupin to Redmond	68	28 ohms 2400 Amps			
Redmond to Lapine	111	28 ohms 2400 Amps			
Lapine to Chiloquin	81	28 ohms 2400 Amps			
Chiloquin to Capt Jack	28		4	1	Capt Jack
Capt Jack to Olinda	149	? ohms ?? amps	3		
Olinda to Tracy	?	? ohms ?? amps	3	1	Tracy
Totals	783		34	5	
	\$/mile	\$/bank	\$/breaker	\$/reactor	
	2,000,000	\$11,000,000	2,000,000	4,500,000	
Cost	1,566,000,000	55,000,000	68,000,000	22,500,000	
Communication Cost	10,000,000				
Total Cost	1,721,500,000				

Outline for Draft Common Business Practice for Single Regional Queue for Transmission Service¹

New Requests for Service (after adoption of the new business practice)

This section of the business practice will apply to new requests for service made on or after _____.

1. Customer needs service across only one system and knows it
 - Request is submitted via existing procedures and pays transmission provider's fee(s) as applicable to the request only; application is date/time stamped
 - Transmission provider responds via existing procedures or turns over the request to NTAC for evaluation, as directed by the customer
 - If transmission provider conducts studies, customer pays actual costs of the provider; if NTAC conducts studies, customer pays for the actual costs incurred by NTAC
2. Customer needs service across more than one system and knows it
 - Customer submits a request to NTAC and pays NTAC's application fee; customer also notifies NTAC of the identities of affected transmission providers and notes that the request is a "package deal"
 - Customer simultaneously notifies each affected transmission provider via its OASIS or other standard procedure; procedures for documentation of simultaneity must be developed; all applications/notifications will be date/time stamped
 - NTAC is the sole agent for or contractor to each relevant transmission provider for the evaluation of such request
 - NTAC arranges for all studies to be performed; transmission customer signs System Impact and Facility Studies Agreements with NTAC or its corporate parent; NTAC develops internal staff or executes contracts with outside parties to conduct studies; procedures are developed to ensure that the studies meet standard reliability criteria
 - Customer pays actual costs incurred by NTAC for all studies
 - NTAC groups the studies as necessary for practical implementation; NTAC develops procedures in consultation with transmission providers for such grouping
 - Customers retain the right to work with individual transmission providers in lieu of making simultaneous requests that go to NTAC for evaluation (e.g., there may be circumstances in which the systems of two providers are required, but 98 percent of the transmission service is on one system and two percent is on another system; separate requests might be more expeditious in these circumstances)
3. Customer needs service across more than one system and doesn't know it, or request for service has effects on third parties (i.e., other transmission providers)
 - Customer submits request to one transmission provider; application is date/time stamped

¹ Eventually, a single regional queue should be established for interconnections as well, but since interconnection normally involves only one transmission provider, that task can be deferred for the moment. If transmission customers want the ability to submit simultaneous requests for interconnection to multiple transmission providers, then a business practice similar to this one should be explored.

- Provider notifies customer that the request involves or has impacts on other systems
- Go to #2 above

Pre-Existing Requests (i.e., those already in a transmission service request queue)

This section of the business practice provides for the consolidation of existing queues.

1. All such existing requests are already date/time stamped
2. Each party with a transmission request in any regional transmission provider's queue has a one-time opportunity to elect to join the single regional queue or remain in its original queue(s)
3. Based on the such elections of transmission customers, as of an agreed-upon date, a new, single queue of existing requests will be established, using the original date/time stamps
4. Parties who join the single regional queue will have their requests studied by NTAC; all studies pertaining to such requests (whether complete or not) will be turned over to NTAC by the relevant transmission provider(s)
5. Parties remaining in their original queues will have their requests studied by the transmission service provider(s), unless they elect (as above) to have the request studied by NTAC; if the transmission customer elects to have NTAC perform any required future studies, all studies already performed pertaining to such requests (whether complete or not) will be turned over to NTAC by the relevant transmission provider(s)

Implementation

1. A common business practice to implement the above would be drafted, which would be adopted by all transmission providers with Open-Access Transmission Tariffs (OATTs)
2. The common business practice would establish a fee structure for services, including a single application fee for new requests, contracts for system impact and facilities studies, etc.
3. By adopting the common business practice, each transmission provider would be effectively announcing that its obligations under sections _____ of its OATT will be implemented pursuant to the common regional business practice