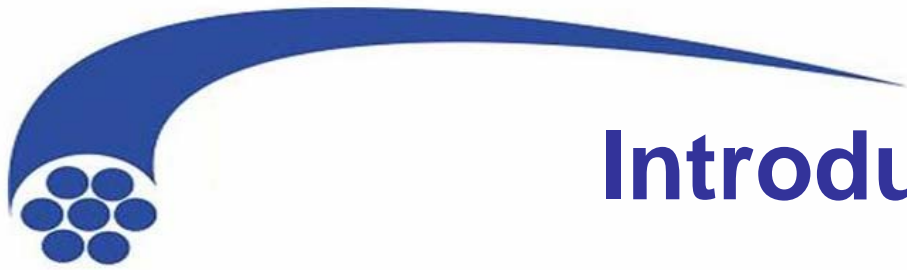


Transmission Use Committee

Annual Stakeholder Update

Portland, OR
January 28, 2009



Introductions

Transmission Use Committee Members:

Shay LaBray (Chair) – PacifiCorp

Kathy Anderson – Idaho Power

Pat Weeres – NorthWestern Energy

Jim Tucker – Deseret Power Electric Cooperative

Matthew Richard – Portland General Electric

Matt Muldoon – Oregon Public Utilities Commission



Transmission Use Committee

- Established to:
 - Increase efficiency of existing member utility transmission systems through commercially reasonable initiatives, and
 - Increase customer knowledge of, and transparency into, the transmission systems of member utilities
- Membership consists of:
 - Representatives from the transmission provider of each utility or utility cooperative that is a party to the NTTG funding agreement
 - May be extended to include (1) appointed staff representatives from state regulatory utility commissions within the NTTG footprint and (2) representatives appointed by state customer advocacy groups within the NTTG footprint
- Public stakeholder meetings are held at a minimum in January (annual meeting) and July (semi-annual meeting)



Agenda

- Review of ATC and update of related standards development
- Updated ATC-related information
 - ATC compilation
 - POR / POD changes
 - List of common names
 - Narratives (TTC)
- Queue Activity
- System Impact Studies / Facility Impact Studies
- Historical Use Graphs
- Links to OASIS, other information from NTTG website
- Work Plan Report
- Next Steps



Review of ATC

- Available Transfer Capability (ATC)
 - A measure of the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses

$$ATC = TTC - TRM - CBM - ETC$$



Review of TTC and ETC

- Total Transfer Capability (TTC)*
 - The amount of electric power that can be transferred over the interconnected transmission network in a reliable manner while meeting all of a specific set of defined pre- and post-contingency system conditions
- Existing Transmission Commitments (ETC)*
 - Committed uses of a Transmission Service Provider's transmission system considered when determining ATC (per proposed MOD-001-1)

** Subject to change from ongoing NERC/NAESB processes*



Review of TRM / CBM

- Transmission Reliability Margin (TRM)*
 - The amount of transmission transfer capability to provide a reasonable level of assurance that the interconnected transmission network will be secure
- Capacity Benefit Margin (CBM)*
 - The amount of firm transmission transfer capability preserved for Load Serving Entities (LSEs) on the host transmission system where their load is located, to enable access to generation from interconnected systems to meet generation reliability requirements

** Subject to change from ongoing NERC/NAESB processes*



Proposed ATC/TTC TRM CBM

The following identifies the proposed NERC MOD standards under development.

Apply to all methodologies:

- MOD-001 – Available Transfer Capability
- MOD-004 – Capacity Benefit Margin
- MOD-008 – Transmission Reliability Margin

Choose one or more of methodologies:

- MOD-028 – Area Interchange Methodology
- MOD-029 – Rated System Path Methodology
- MOD-030 – Flowgate Methodology



Proposed ATC

- Proposed ATC formula per MOD-029-1* – Rated System Path Methodology:

$$ATC_F = TTC - ETC_F - CBM - TRM + Postbacks_F + counterflows_F$$

$$ATC_{NF} = TTC - ETC_F - ETC_{NF} - CBM_s - TRM_U + Postbacks_{NF} + Counterflows_{NF}$$

** Pending FERC approval*



Current status of NERC ATC standards

- Timeline
 - December 2007 – Drafting team responded to industry comments
 - March 3 - 12, 2008 – Initial Ballot conducted [all standards do not pass]
 - April 16 - May 15, 2008 – Revised standards posted for 30-day comment period [comments on fifth revision]
 - April 17, 2008 – NERC requests an extension of time from FERC
 - April 29, 2008 – FERC grants extension to August 29, 2008 and November 21, 2008 for MOD-004
 - June 20, 2008 – Drafting team responded to comments
 - June 23, 2008 – Comments due on MOD-004-1
 - July 30, 2008 – Initial Ballot conducted MODs -001, -008, -028, -029, and -030
 - August 21, 2008 – Recirculation Ballot conducted MODs -001, -008, -028, -029, and -030 [all standards pass]
 - August 26, 2008 – Board adoption of MOD -001, -008, -028, -029, and -030 (without VRFs)
 - August 29, 2008 – Filed with FERC MOD -001, -008, -028, -029, and -030 (without VRFs)
 - September 21, 2008 – Initial Ballot MOD-004-1
 - September 24, 2008 – Comments due MOD-030-2
 - November 6, 2008 – Recirculation ballot MOD-004-1
 - November 13, 2008 – Board adoption of MOD-004-1
 - December 10, 2008 – Initial ballot MOD-030-2
 - January 7, 2009 – VRFs posted for MOD-001, -008, -028, -029, and -030
- Upcoming Milestones
 - TBD - Recirculation ballot MOD-030-2 [passed initial with 86% approval]
 - January 28, 2009 – Comments due on VRFs for MODs
 - TBD – FERC action regarding NERC filing



Proposed ATC

The following identifies the proposed NAESB corresponding business practice standards that revise or add standards to WEQ-001 Open Access Same-Time Information Systems

- ATC calculation methodologies for transparency reporting
 - ATC/TTC narratives
 - Load forecast and actual load
 - Postbacks / Counterflows*
 - ETC standards*
 - ATC information link*
 - Capacity Benefit Margin standards*
-
- The NAESB subcommittees ESS/ITS and BPS coordinated on ATC related issues resulting from FERC Order No. 890.

* The subcommittees worked in close coordination with NERC and related NERC standards development activities on most standards



Current status of NAESB ATC business practices

- NAESB
 - April 29, 2008 – FERC granted an extension of time per NERC's filing for NAESB business practice standards (originally August 7, 2008) to November 27, 2008 and February 19, 2009 (CBM standards only)
 - August 29, 2008 – Filed Version 002 standards with FERC (included narrative postings, forecast and actual load)
 - November 14, 2008 – Supplement to Version 002 standards filed with FERC (included ETC, postbacks/counterflows, ATC information link)
 - December 15, 2008 – Member ratification of CBM standards
- Upcoming Milestones
 - February 19, 2009 – FERC filing related to CBM standards
 - TBD – possible FERC action regarding filings

The logo features a blue curved line that starts from a cluster of seven blue circles and extends towards the top right corner of the slide.

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Mission Statement
NTTG will promote effective planning and use of the multi-state transmission system within its footprint.

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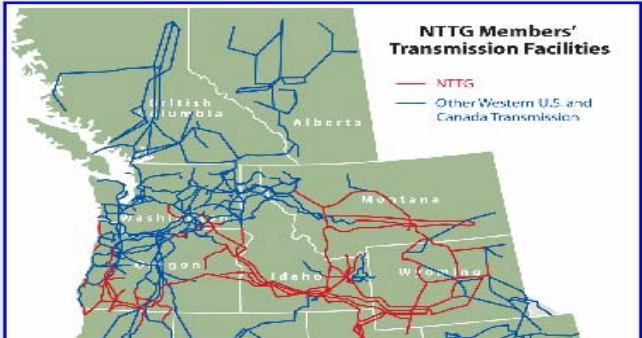
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What We're Doing

The Northern Tier Transmission Group (NTTG) is a group of transmission providers and customers that are actively involved in the sale and purchase of transmission capacity of the power grid that delivers electricity to customers in the Northwest and Mountain States. Transmission owners serving this territory work in conjunction with state


**NTTG Members' Transmission Facilities**

- NTTG
- Other Western U.S. and Canada Transmission



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Updates from July 2008




ATC INFORMATION as of 12/01/08

									WINTER (NOV '08 - MAY '09)						SUMMER (JUN '09 - OCT '09)								
WECC# (if applicable)	Path Common Name (if applicable)	Direction	Company	OASIS SEGMENT NAME	FROM: Point of Receipt (FOR)	TO: Point of Delivery (FOD)	kV	Between hour	T C	Total Firm Obligation or	Network	LT Firm PTF	TRM	CBM	ATO (Less term net)	T C	Total Firm Obligation or	Network	LT Firm PTF	TRM	CBM	ATO (Less term net)	
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23	EtoW	Dazeret Power	BOZ-MDGT	BOZ	MONA	245	All	565+80***	565+80**	0	565+80**	0	0	0	0	565+80***	565+80**	0	565+80**	0	0	0	
23	WtoE	Dazeret Power	MDGT-BOZ	MONA	BOZ	245	All	645	351	0	351	0	0	0	294	645	354	0	354	0	0	291	
-	StnH	Dazeret Power	BOZ-VNL	BOZ	VNL	135	All	115	41	0	41	0	0	0	24	115	41	0	41	0	0	24	
-	NtoS	Dazeret Power	VNL-BOZ	VNL	BOZ	135	All	115	40	0	40	0	0	0	25	115	40	0	40	0	0	25	
-	WtoE	Dazeret Power	BOZ-SWR	BOZ	SWR	135	All	115	35	0	35	0	0	0	40	115	0	0	0	0	0	115	
-	EtoW	Dazeret Power	SWR-BOZ	SWR	BOZ	135	All	115	0	0	0	0	0	0	115	115	0	0	0	0	0	115	
18	AMPS	NtoS	Idaho Power	WHPCOFACE-IPCO/HTSP-IPCO	HTSP	IPCO	230	All	250	250	80	170	0	0	0	250	250	80	170	0	0	0	
18	AMPS	NtoS	Idaho Power	WHPCOFACE-IPCO/MLCK-ERDY	MLCK	ERDY	230	All	250	250	80	170	0	0	0	250	250	80	170	0	0	0	
18	AMPS	NtoS	Idaho Power	WHPCOFACE-IPCO/JETT-IPCO	JETT	IPCO	161	All	87	87	0	87	0	0	0	87	87	0	87	0	0	0	
18	AMPS	StnH	Idaho Power	WHPCOFACE-IPCO/HTSP-IPCO	HTSP	IPCO	230	All	184	171	0	171	0	0	13	184	171	0	171	0	0	9	
18	AMPS	StnH	Idaho Power	WHPCOFACE-IPCO/BRDY-MLCK	BRDY	MLCK	230	All	184	171	0	171	0	0	13	184	171	0	171	0	0	9	
18	AMPS	StnH	Idaho Power	WHPCOFACE-IPCO/JETT-IPCO	JETT	IPCO	161	All	70	5	5	0	0	0	65	87	5	5	0	0	82		
14	ID-NW	WtoE	Idaho Power	WHPCOFACE-IPCO/LAGRANDE-IPCO	LaGrande	IPCO	230/138	All	350	350	350	0	0	0	0	350	350	350	0	0	0	0	
14	ID-NW	WtoE	Idaho Power	WHPCOFACE-IPCO/ENPR-IPCO	ENPR	IPCO	230	All	400	65	65	0	0	0	332	400	59	59	0	0	341		
14	ID-NW	WtoE	Idaho Power	WHPCOFACE-IPCO/LOLO-IPCO	LOLO	IPCO	230	All	400	155	155	0	0	0	245	340	155	155	0	0	185		
14	ID-NW	WtoE	Idaho Power	NORTHWEST-IPCO	LaGrande/ENPR/LOLO	IPCO	230/138	All	1150	573	573	0	247	330	0	1090	564	564	0	196	330	0	
14	ID-NW	EtoW	Idaho Power	WHPCOFACE-IPCO/LAGRANDE-IPCO	IPCO	LaGrande	230/138	All	413	348	0	348	0	0	65	350	348	0	348	0	0	2	
14	ID-NW	EtoW	Idaho Power	WHPCOFACE-IPCO/ENPR-IPCO	ENPR/HS00	IPCO	230/138	All	1547	1507	0	1507	0	0	0	1547	1507	0	1507	0	0	0	
14	ID-NW	EtoW	Idaho Power	WHPCOFACE-IPCO/LOLO-IPCO	LOLO	IPCO	230	All	347	75	0	75	0	0	292	347	75	0	75	0	292		
14	ID-NW	EtoW	Idaho Power	IPCO to NORTHWEST	IPCO	LaGrande/ENPR/LOLO	500/230/138	All	2304	2010	0	2010	0	0	294	2304	2010	0	2010	0	0	294	
16	NtoS	Idaho Power	WHPCOFACE-IPCO/M345-IPCO	M345	IPCO	245	All	500	42	17	25	0	0	0	458	500	42	17	25	0	458		
16	StnH	Idaho Power	WHPCOFACE-IPCO/M345-IPCO	M345	IPCO	245	All	262	262	262	0	0	0	0	0	262	262	262	0	0	0	0	
17	Barak West	EtoW	Idaho Power	WHPCOFACE-IPCO/BORA-IPCO	BORA	IPCO	345/230/138	All	2557	2480	731	1749	0	0	77	2557	2557	808	1749	0	0	0	
17	Barak West	WtoE	Idaho Power	WHPCOFACE-IPCO/BORA-IPCO	IPCO	BORA	345/230/138	All	Capacity Met	35	5	30	0	0	0	ND*	Capacity Met Defined	35	5	30	0	0	ND*
19	Bridge	EtoW	Idaho Power	WHPCOFACE-IPCO/JBSN-IPCO	JBSN	IPCO	245	All	707	707	707	0	0	0	0	707	707	707	0	0	0	0	
									Capacity (IPCO)	707	707	0	0	0	0	Capacity (IPCO Share)	707	707	0	0	0	0	



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POR POD

BPAT.PACW

BPAT.PGE

Garrison

GRIZZLY

JohnDay

McNARY

BOZ

MDGT

SWR

Boardman

BORA

BRDY

Canyon Generation

GOSHEN

IPCO

JEFF

KINPORT

LaGrande

LOLO

LYDK

Owner

BPA

BPA

BPA

BPA

BPA

BPA

Deseret

Deseret

Deseret

Idaho

Idaho

Idaho

Idaho

Idaho

Idaho

Idaho

Idaho

Idaho

Idaho

Idaho

Common Name

BPA-PacifiCorp West

BPAT.PGE

Garrison

Grizzly

JohnDay

McNary

Bonanza

Mona

South West Rangely

Boardman

Borah

Brady

Hells Canyon area generation

Goshen

Idaho System

Jefferson

Kinport

LaGrande


Lolo

Lucky Peak



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ATC Narratives

10% Change in TTC



NTTG - ATC Narratives for Changes in TTC

Changes on December 2008 from June 2008 ATC submittal


Explanations of Monthly or Yearly ATC changes caused by a 10% or greater change in path TTC:
Changes as compared to the Northern Tier Transmission Group June 2008 ATC Update

Transmission Provider	Posted Path	Explanation
PacifiCorp	BORA-PATHC	BOBR-PATHC eliminated and BORA-PATHC and BRDY-PATHC created
PacifiCorp	BRDY-PATHC	BOBR-PATHC eliminated and BORA-PATHC and BRDY-PATHC created
PacifiCorp	DeerCreek-PACE	To correct a miss posted number per planning
PacifiCorp	PACE-REDBL	PACE-REDB eliminated and PACE-REDBL and REDBL-REDB created
PacifiCorp	REDBL-REDB	PACE-REDB eliminated and PACE-REDBL and REDBL-REDB created
PacifiCorp	PATHC BORA - HLH	BOBR-PATHC eliminated and BORA-PATHC and BRDY-PATHC created
PacifiCorp	PATHC BORA - LLH	BOBR-PATHC eliminated and BORA-PATHC and BRDY-PATHC created
PacifiCorp	PATHC BRDY - HLH	BOBR-PATHC eliminated and BORA-PATHC and BRDY-PATHC created
PacifiCorp	PATHC BRDY - LLH	BOBR-PATHC eliminated and BORA-PATHC and BRDY-PATHC created
PacifiCorp	WYONORTH-PACEW	TTC for this path has never been 810 MW it has always been 680 MW



Transmission Service Request Queue Activity

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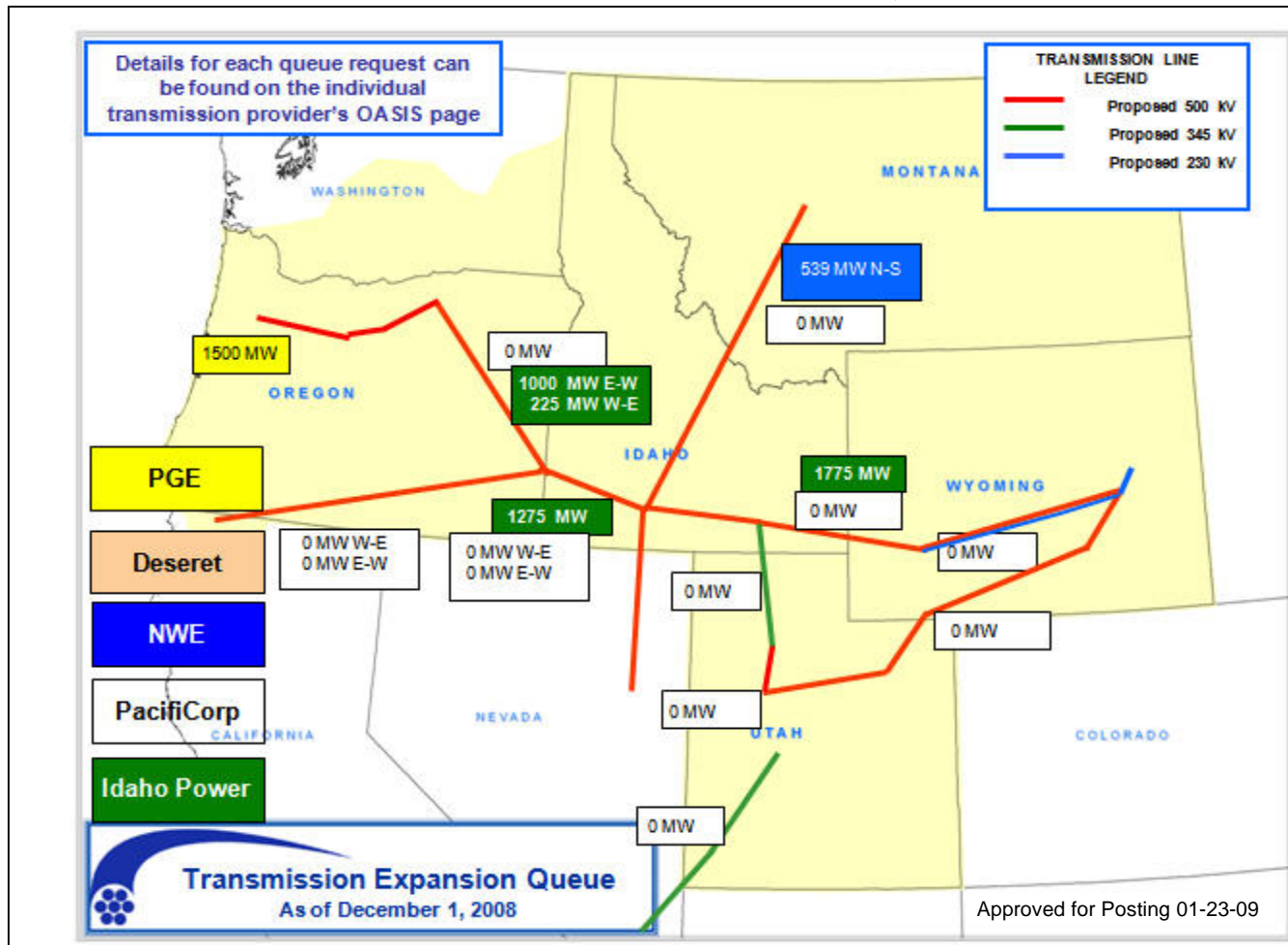
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Queue Activity

As of December 1, 2008





System Impact Study and Facility Study Disclaimer


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System Impact and Facility Study Summary



Available System Impact and Facility Transmission Studies

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Provider	Study Type	Queue date	OASIS reference	Affiliate (Y/N)	Service Period Requested	POR/POD or Location Description	Requested capacity (MW)	Constraint	Report Issue Date/ Study Name	Upgrades Necessary (Y/N)	Estimated Cost
DESERE		No Studies conducted in the last two years									
IPCO	SIS	2/3/2004	143878, 70461456	y	5/1/2004-5/1/2014	HTSP/IPCO	75	Amps 230kV	10/21/05 Hot Springs/IPCO System 75 MW System Impact Study	Yes	\$105,000,000
IPCO	SIS	3/16/2004	70252772, 70252774	n	5/1/2005 - 3/1/2007	LOLO-ENPR/BOBR	200	NW-ID, Brownlee East Total	7/7/06 NW-ID to BOBR System Impact Study	Yes	135MW Capability Hotwai Option: \$80,600,000; 135MW Capability McNary Option: \$120,100,000; 250MW Capability Option \$133,000,000; 575MW Capability Option: \$314,000,000
IPCO	SIS	12/8/2005	70592423	y	6/1/2006-6/1/2010	IPCO/MLCK	30	ID/MT	January 12, 2006/IPCO System/Mill Creek System Impact Study	Yes	\$34,000,000
IPCO	SIS	1/27/2006	70652933, 70652934, 70652935	y	1/1/2010-1/1/2040	LGBP-ENPR-LGBP/ IPCO	200	NW-ID, Brownlee East Total	7/7/06 NW-ID to BOBR System Impact Study	Yes	135MW Capability Hotwai Option: \$80,600,000; 135MW Capability McNary Option: \$120,100,000; 250MW Capability Option \$133,000,000; 575MW Capability Option: \$314,000,000
IPCO	SIS	1/27/2006	70652754	n	7/1/2006-7/1/2007	HTSP/M345	50	ID/MT, Borah West	January 13, 2007/Hot Springs/Midpoint 345 System Impact Study	Yes	\$145,000,000
IPCO	SIS	8/14/06	70952142	n	1/2010-1/2040	LGBP/IPCO	225	NW-ID, Oxbow North, Brownlee East, Brownlee East Total	July 7, 2006 NW-ID to BOBR System Impact Study	Yes	135MW Capability Hotwai Option: \$80,600,000; 135MW Capability McNary Option: \$120,100,000; 250MW Capability Option \$133,000,000; 575MW Capability Option: \$314,000,000
IPCO	SIS	2/15/2007	71242835	n	1/1/2008-1/1/2013	LGBP/M345	50	NW-ID, Oxbow North, Brownlee East, Brownlee East Total	July 7, 2006 NW-ID to BOBR System Impact Study	Yes	135MW Capability Hotwai Option: \$80,600,000; 135MW Capability McNary Option: \$120,100,000; 250MW Capability Option \$133,000,000; 575MW Capability Option: \$314,000,000
IPCO	SIS	2/15/2007	71242837	n	1/1/2008-1/1/2014	LGBP/M345	50	NW-ID, Oxbow North, Brownlee East, Brownlee East Total	July 7, 2006 NW-ID to BOBR System Impact Study	Yes	135MW Capability Hotwai Option: \$80,600,000; 135MW Capability McNary Option: \$120,100,000; 250MW Capability Option \$133,000,000; 575MW Capability Option: \$314,000,000
IPCO	SIS	2/15/2007	71242839	n	1/1/2003-1/1/2014	LGBP/M345	50	NW-ID, Oxbow North, Brownlee East, Brownlee East Total	July 7, 2006 NW-ID to BOBR System Impact Study	Yes	135MW Capability Hotwai Option: \$80,600,000; 135MW Capability McNary Option: \$120,100,000; 250MW Capability Option \$133,000,000; 575MW Capability Option: \$314,000,000
IPCO	SIS	2/15/2007	71242841	n	1/1/2003-1/1/2014	LGBP/M345	50	NW-ID, Oxbow North, Brownlee East, Brownlee East Total	July 7, 2006 NW-ID to BOBR System Impact Study	Yes	135MW Capability Hotwai Option: \$80,600,000; 135MW Capability McNary Option: \$120,100,000; 250MW Capability Option \$133,000,000; 575MW Capability Option: \$314,000,000
IPCO	SIS	5/23/07	71411291	n	1/1/2003-1/1/2010	LGBP/M345	48	NW-ID, LaGrande, Brownlee East, Brownlee East Total	3/4/2007, LaGrande to Midpoint 345 System Impact Study	Yes	\$428,000,000
IPCO	SIS	6/6/07	71435918	n	1/1/2014-1/1/2019	LGBP/BOBR	100	-	-		



Historical Use Disclaimer

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Overview

- Graphs are based on scheduled usage for rated paths and reflect firm point-to-point and network usage
- Graphs may show changes in scheduled usage starting or stopping
 - Example: New paths may be created as a result of segmenting existing paths
- Total Transfer Capability may be shown differently depending on contract
 - Example: some graphs based on total TTC for the path and others may show only the TPs contract amount
- Lack of scheduled usage may not be reflective of available transfer capability
 - Example: graph may show an internal path with firm reservations for network use that is often not explicitly scheduled
- See graphs and disclaimer for additional information



Transmission Use Committee

Idaho Power Graphs of Long Term Firm Schedules

Long Term Firm Network and Long Term Firm Point-to-Point
Scheduled MW Only

NORTHWEST-IPCO

Path Map

Updated December 9, 2008

POR_POB

- Other
- Deseret
- Idaho
- NorthWestern
- PacifiCorp East
- PacifiCorp West
- Portland General Electric

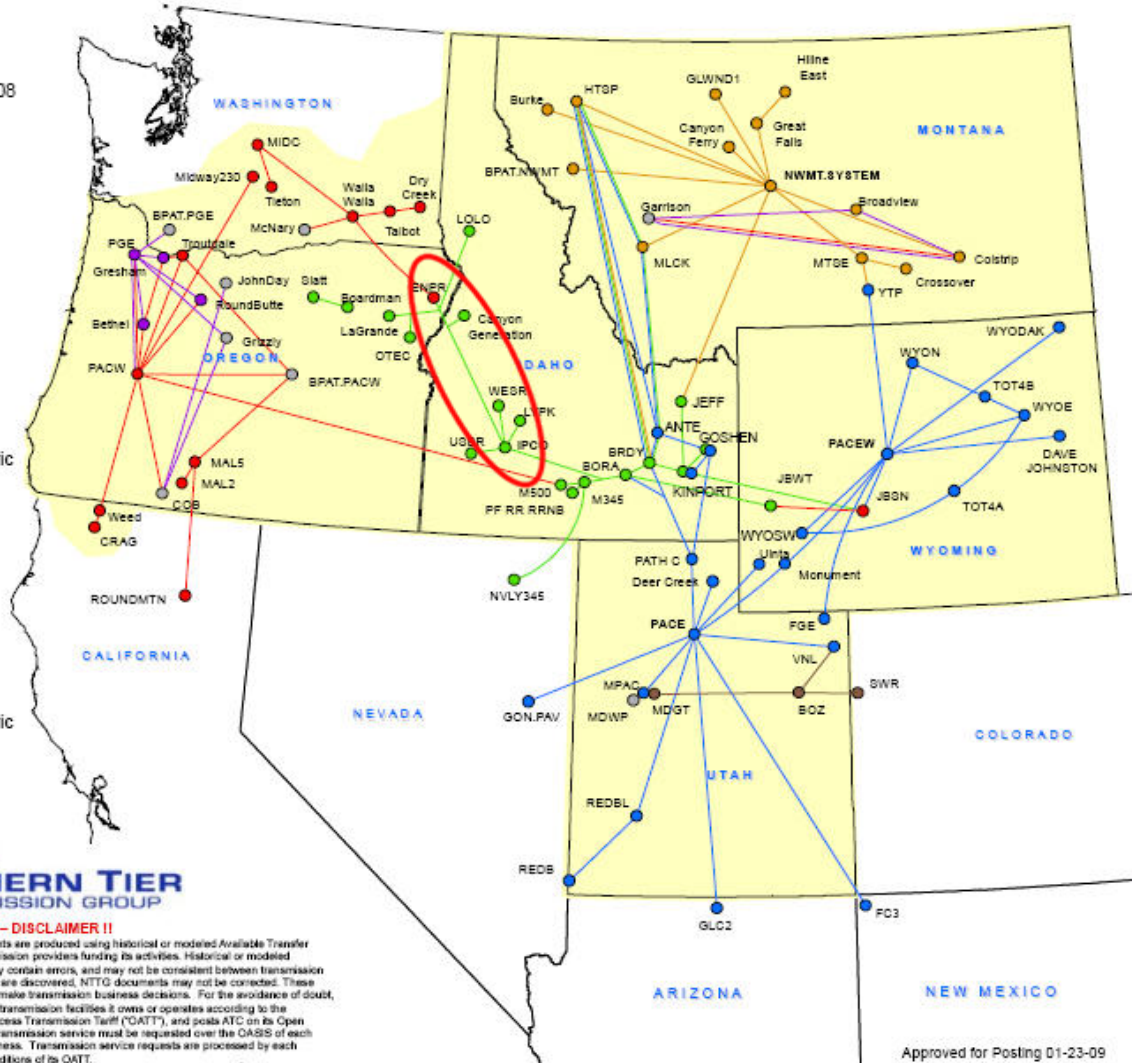
Paths

- Deseret
- Idaho
- NorthWestern
- PacifiCorp East
- PacifiCorp West
- Portland General Electric

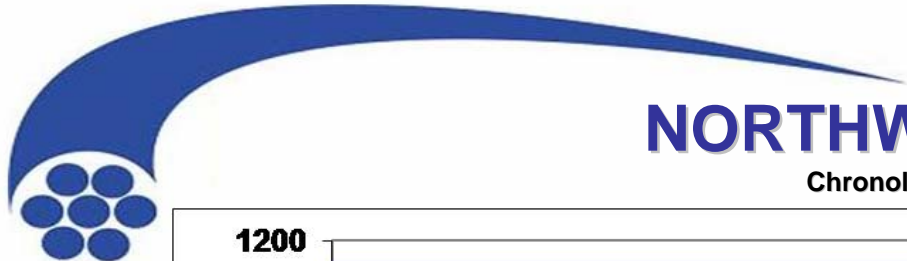


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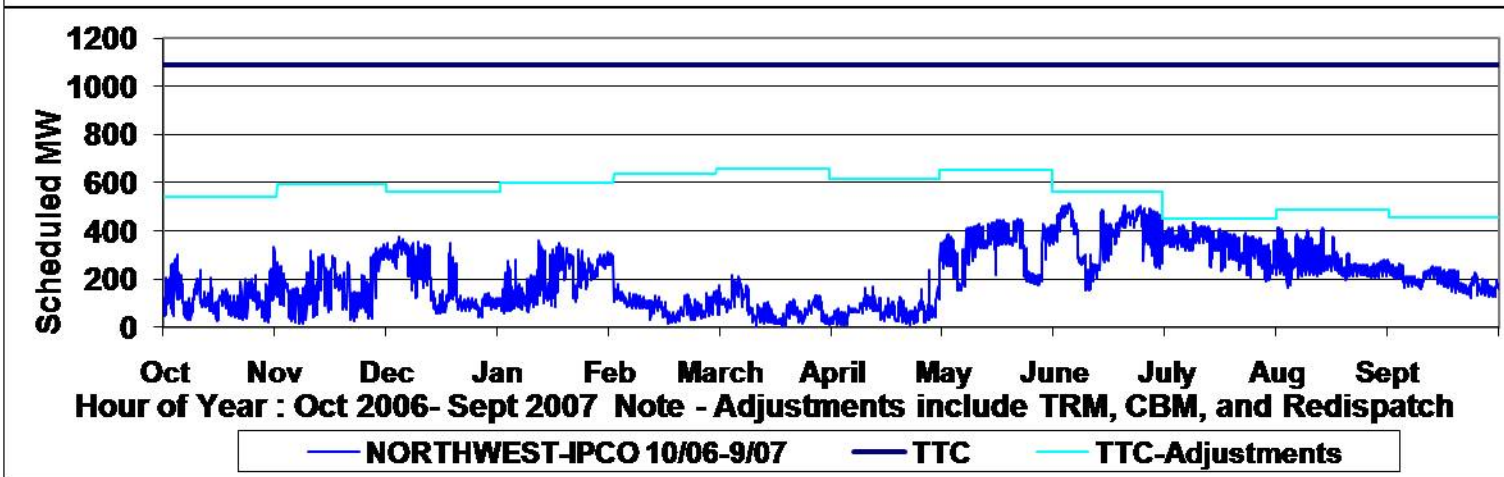
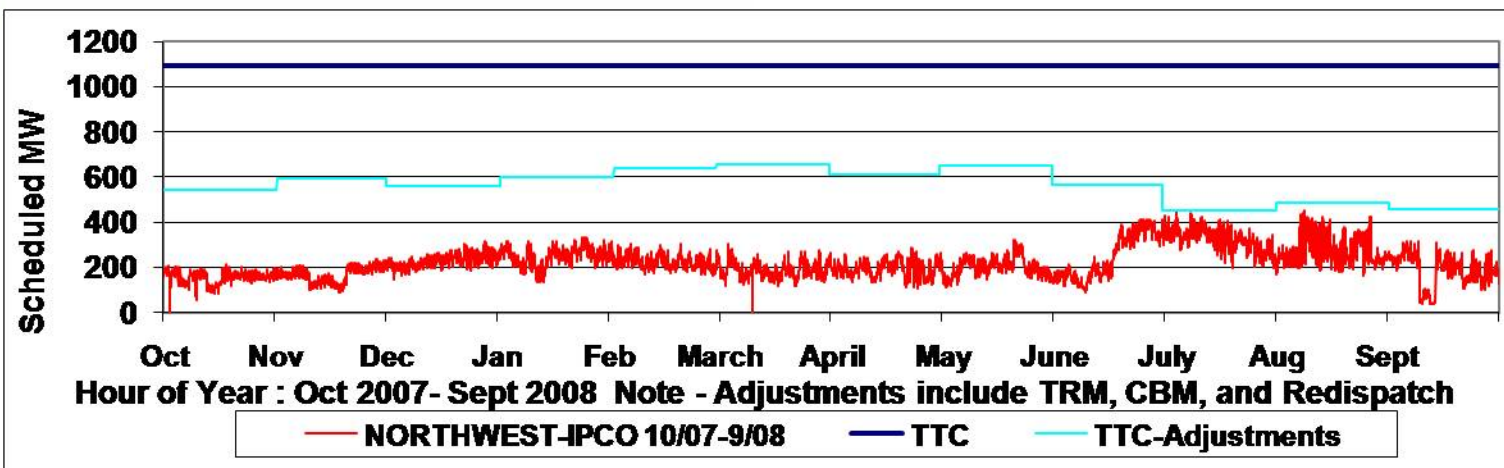


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NORTHWEST-IPCO

Chronological Graph

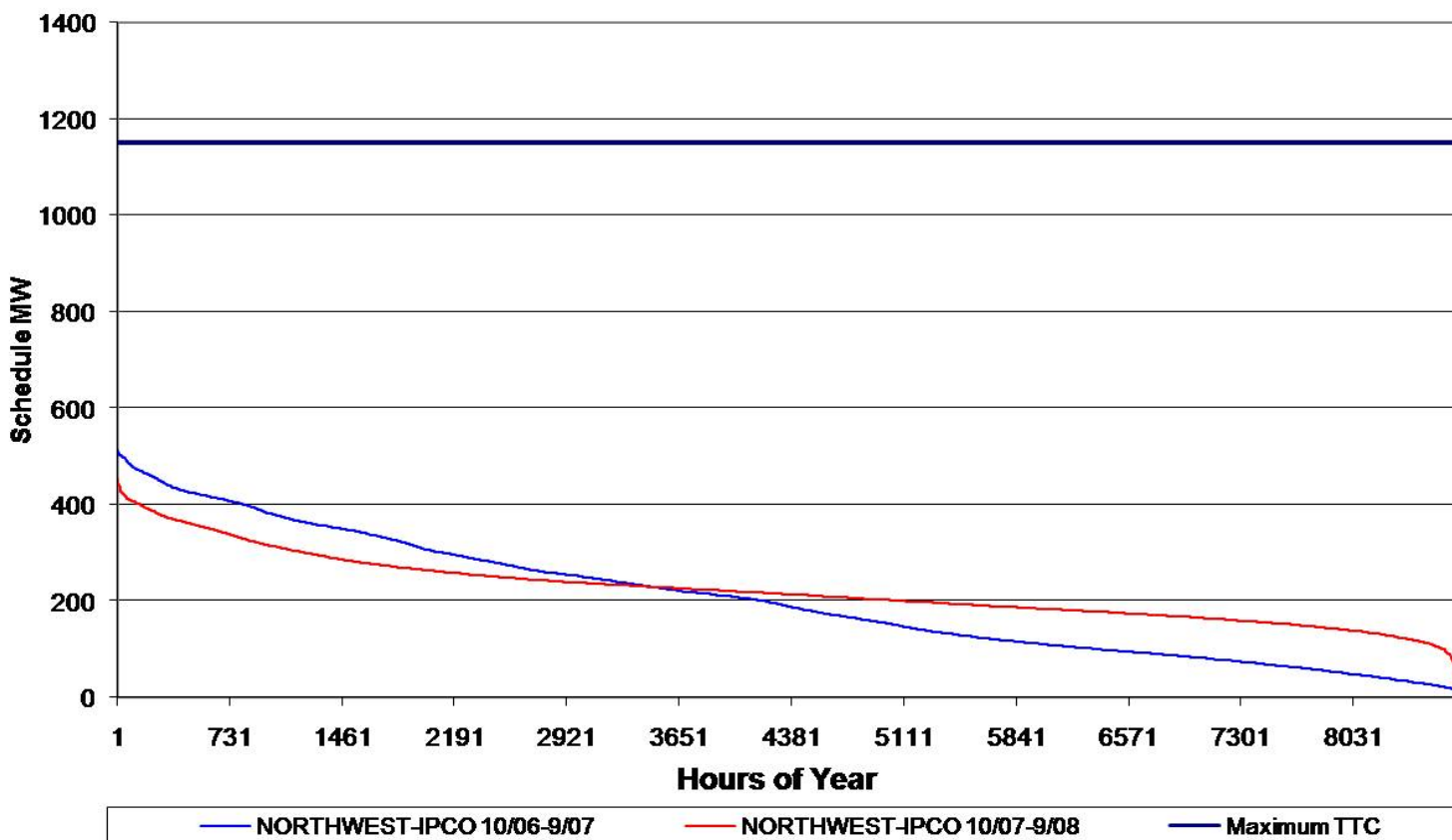


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NORTHWEST-IPCO

Schedule Duration Curve



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JBSN-TOT

Path Map

Updated December 9, 2008

POR_POB

- Other
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- Idaho
- NorthWestern
- PacifiCorp East
- PacifiCorp West
- Portland General Electric

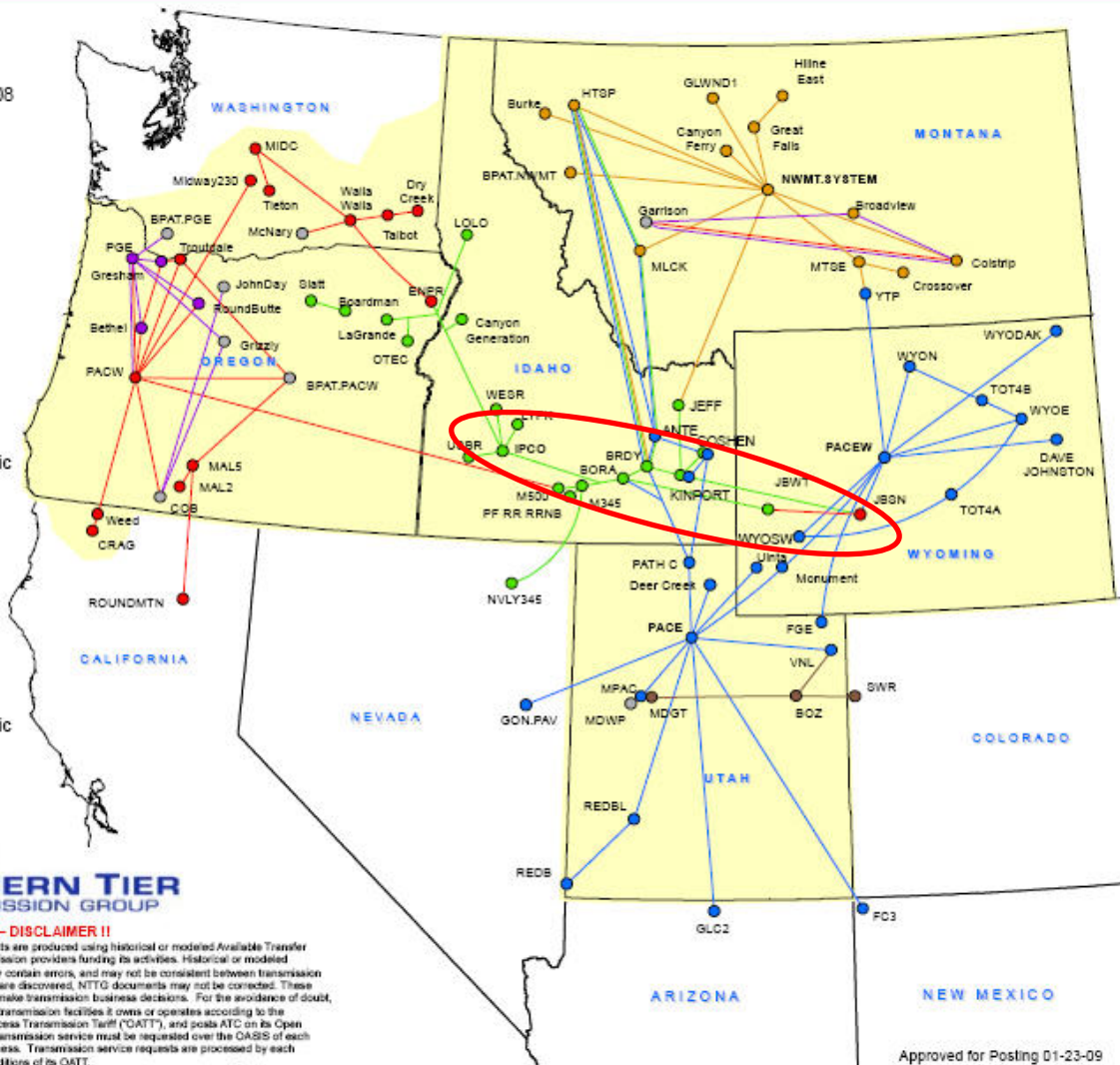
Paths

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- PacifiCorp East
- PacifiCorp West
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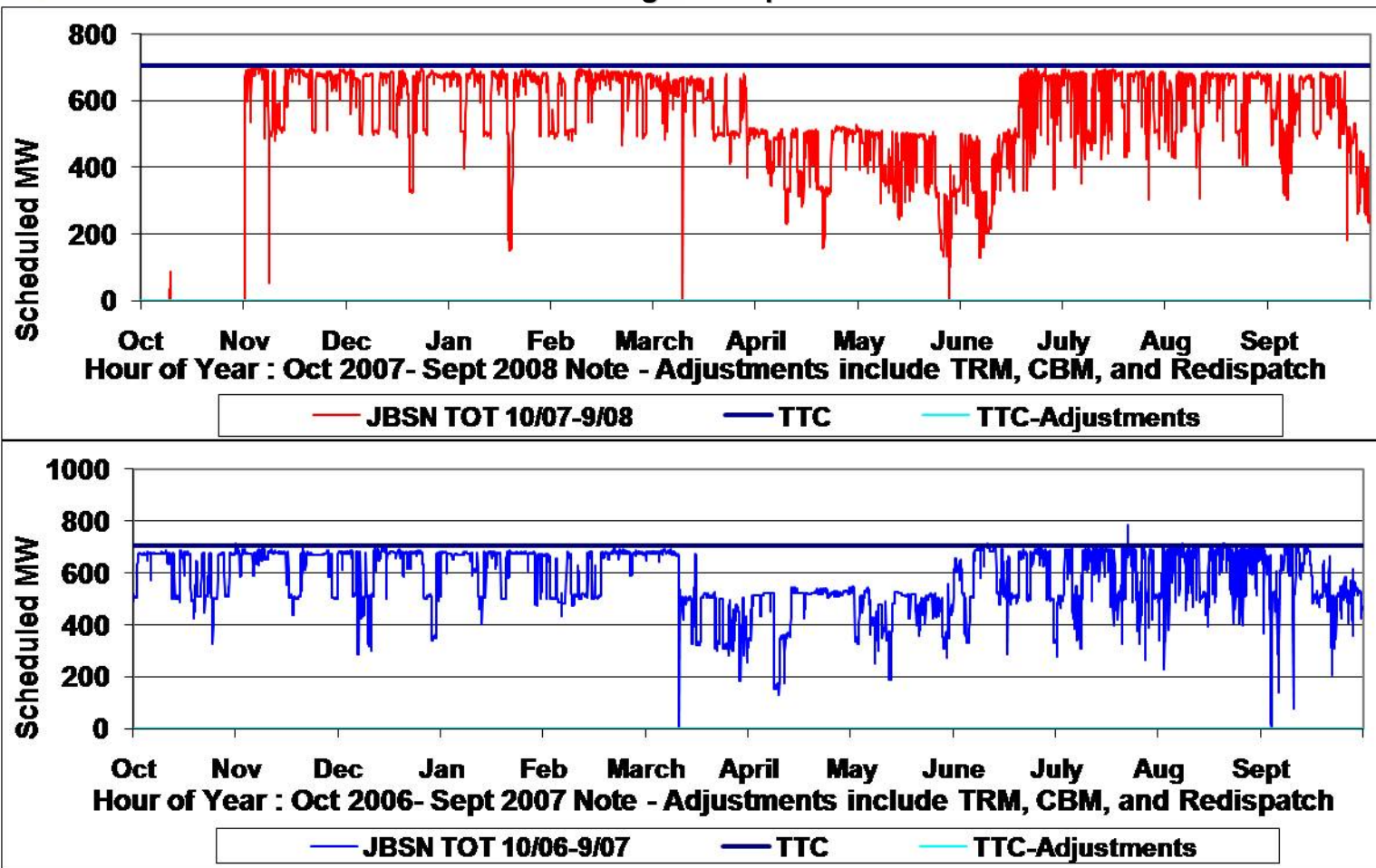


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JBSN-TOT

Chronological Graph

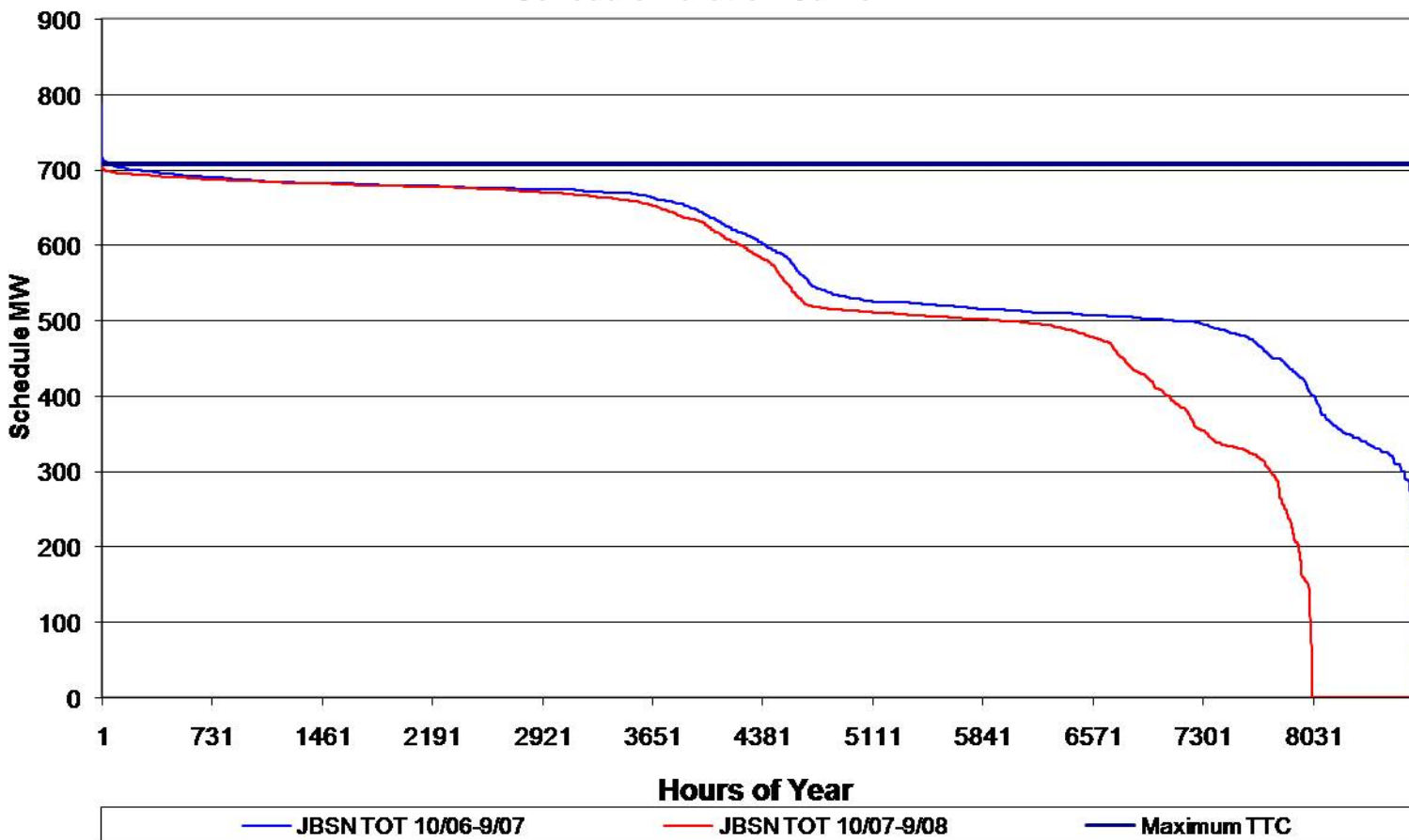


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JBSN-TOT

Schedule Duration Curve



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Transmission Use Committee

NorthWestern Energy Graphs of Long Term Firm Schedules

Long Term Firm Network and Long Term Firm Point-to-Point
Scheduled MW Only

NWMT.SYSTEM to JEFF

Path Map

Updated December 9, 2008

POR_POB

- Other
- Deseret
- Idaho
- NorthWestern
- PacifiCorp East
- PacifiCorp West
- Portland General Electric

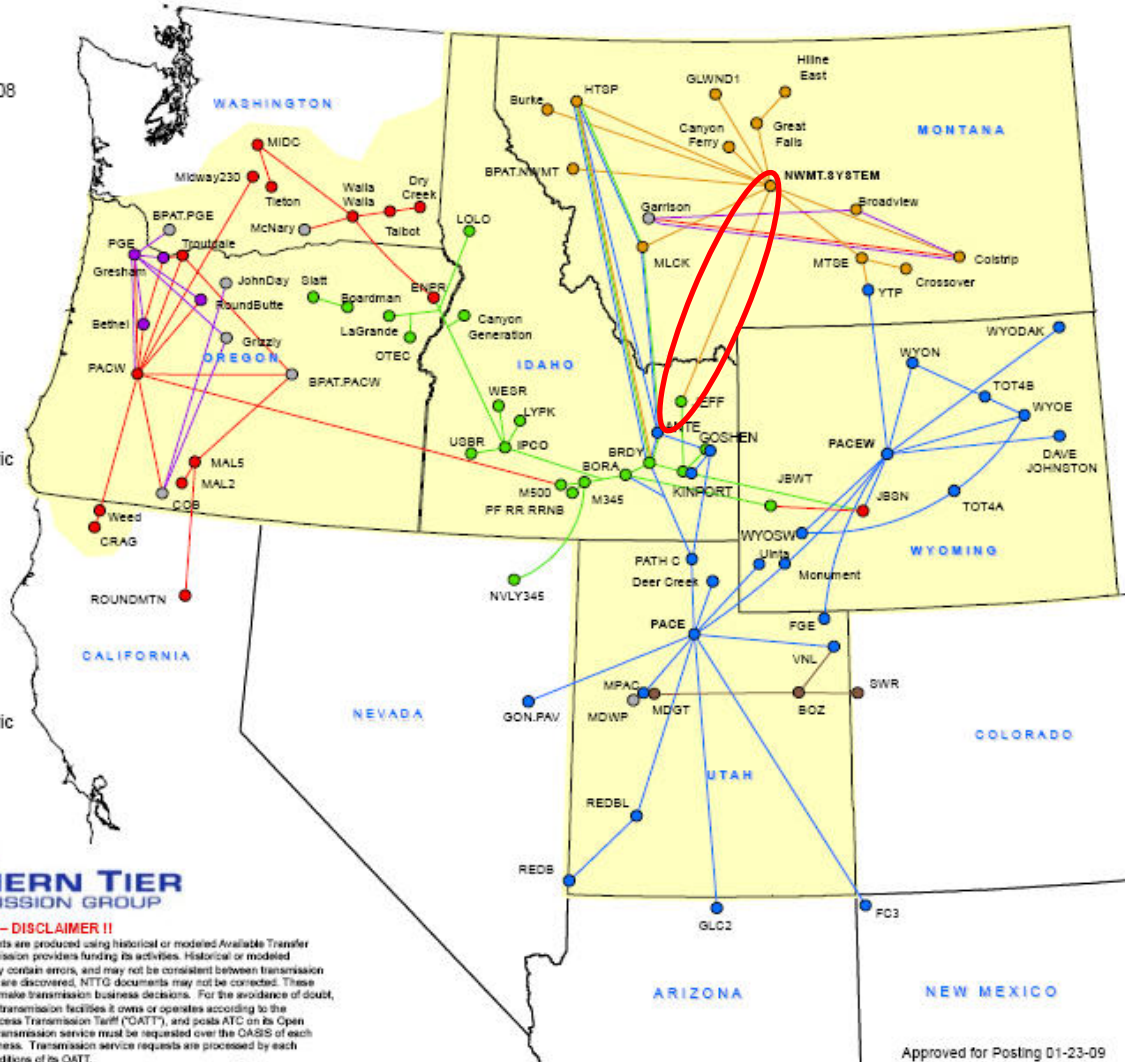
Paths

- Deseret
- Idaho
- NorthWestern
- PacifiCorp East
- PacifiCorp West
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!! IMPORTANT - DISCLAIMER !!

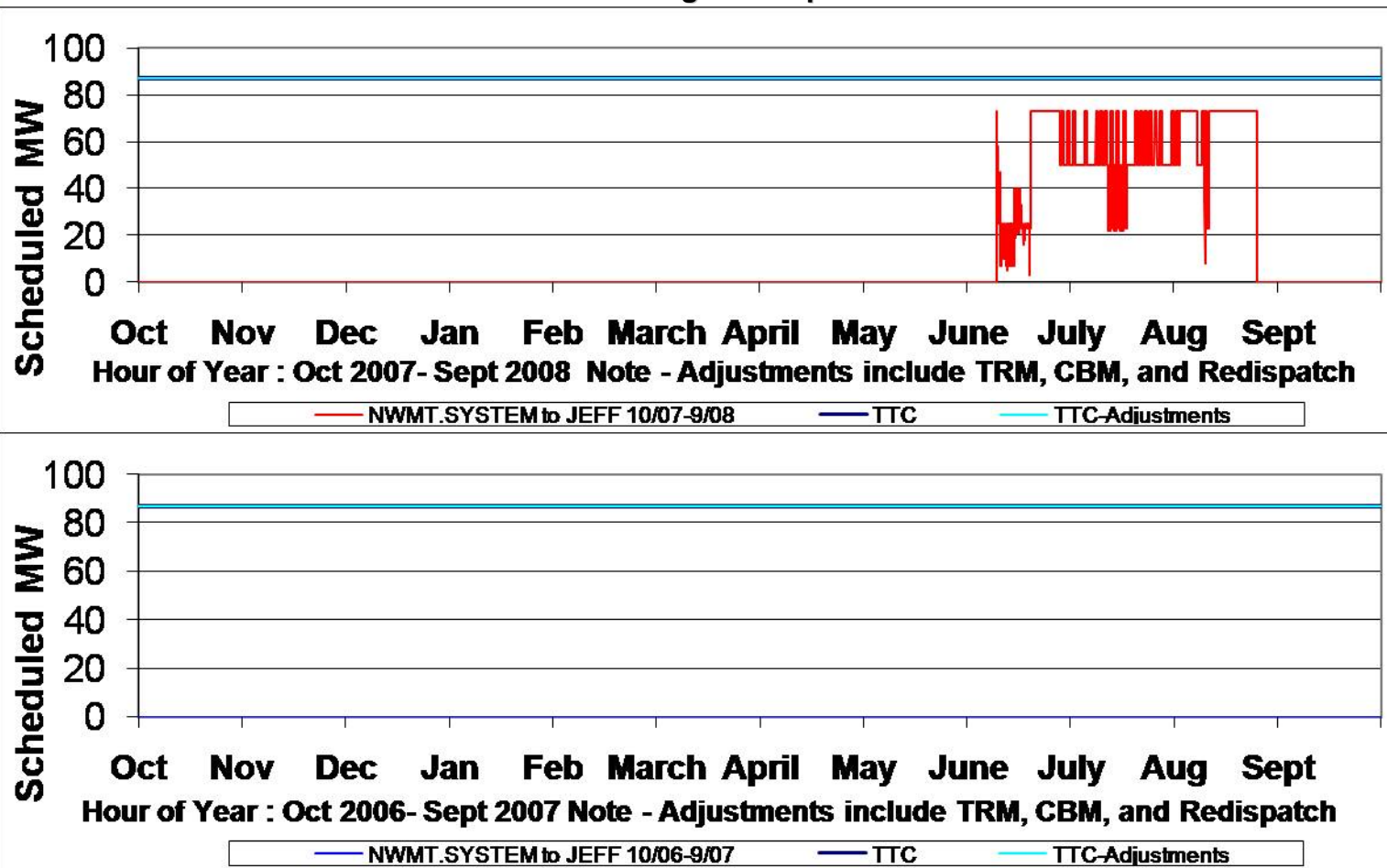
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NWMT.SYSTEM to JEFF

Chronological Graph

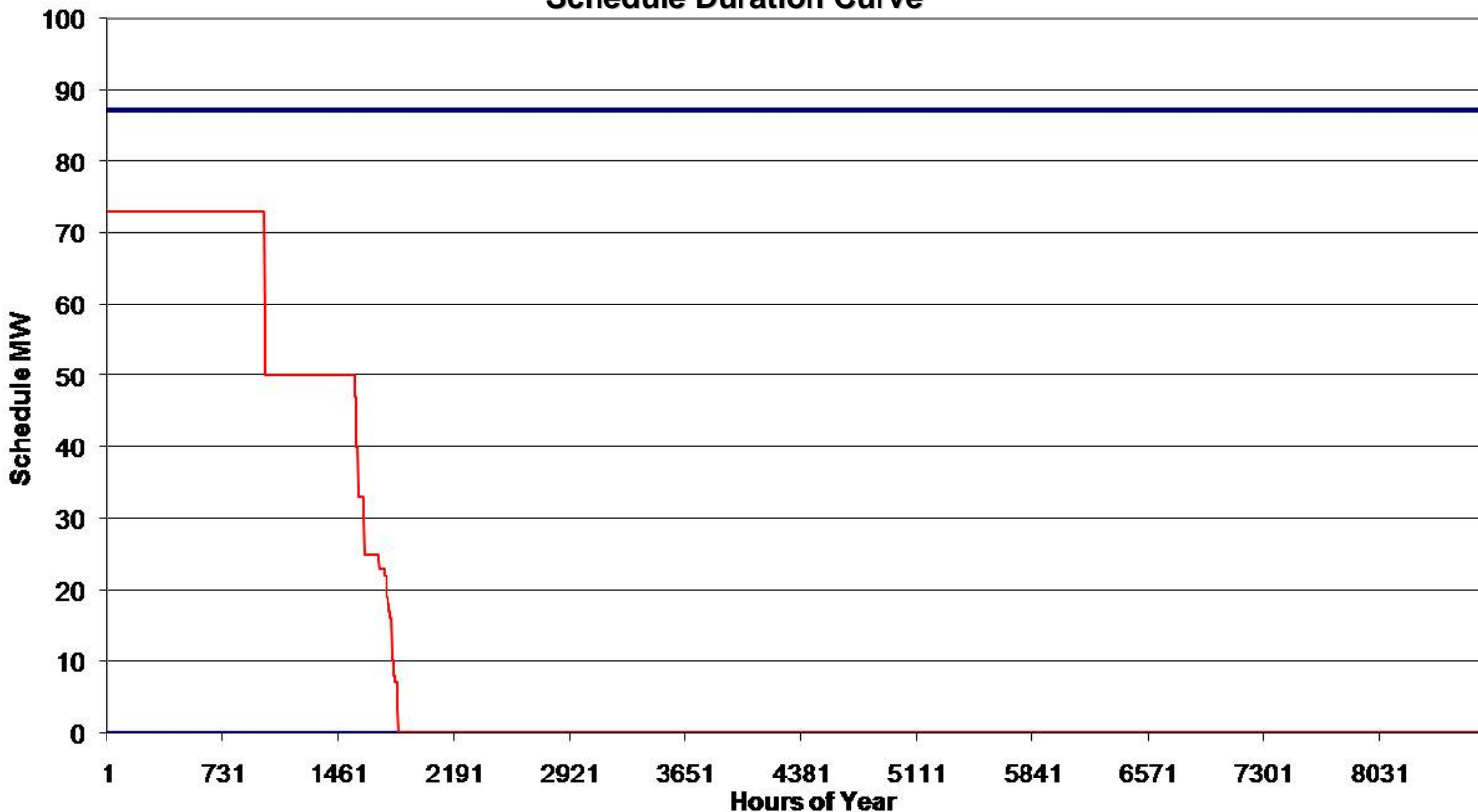


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NWMT.SYSTEM to JEFF

Schedule Duration Curve



— NWMT.SYSTEM to JEFF 10/06-9/07

— NWMT.SYSTEM to JEFF 10/07-9/08

— Maximum TTC

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Transmission Use Committee

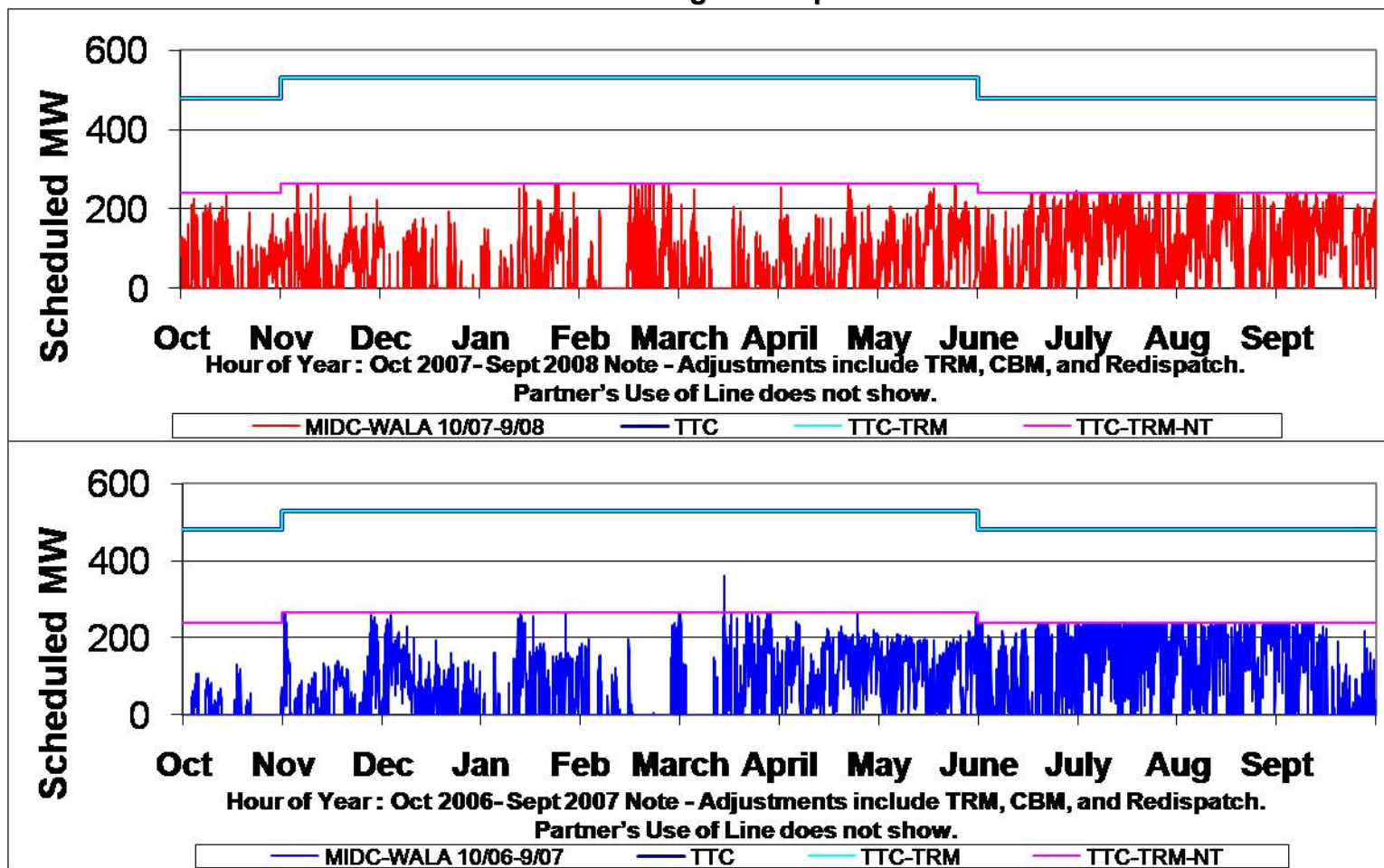
PacifiCorp Graphs of Long Term Firm Schedules

Long Term Firm Network and Long Term Firm Point-to-Point
Scheduled MW Only

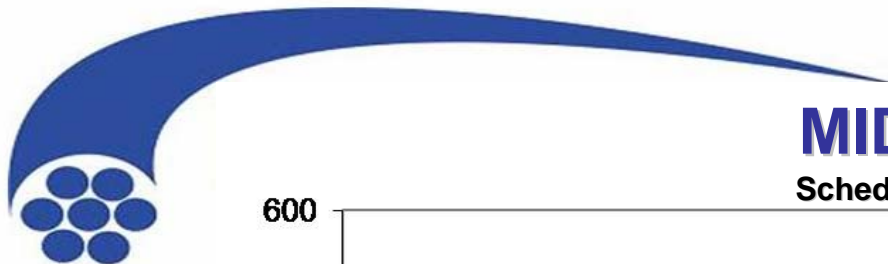


MIDC-WALA

Chronological Graph

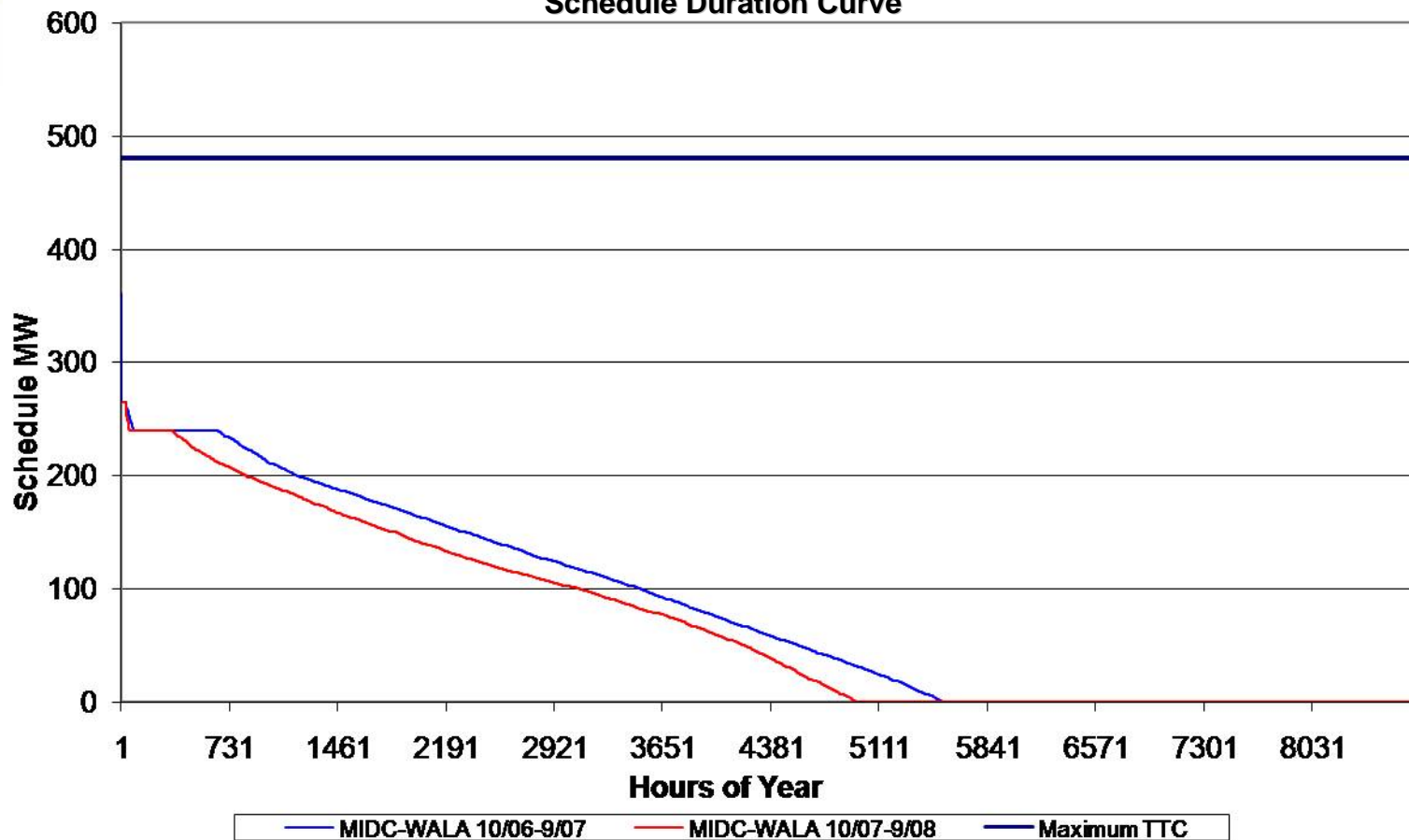


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MIDC-WALA

Schedule Duration Curve



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MLCK-ANTE

Path Map

Updated December 9, 2008

POR_POB

- Other
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- PacifiCorp East
- PacifiCorp West
- Portland General Electric

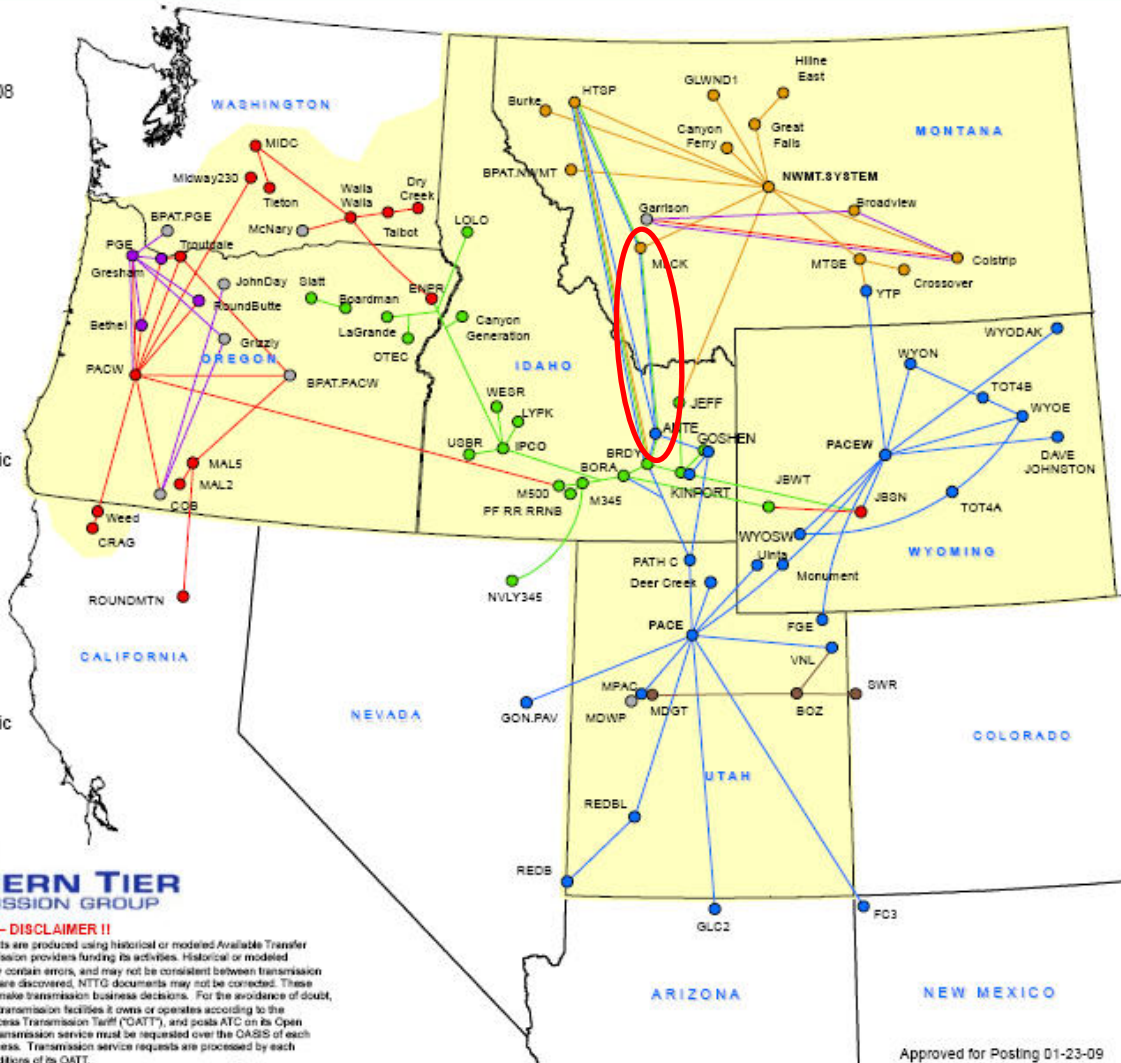
Paths

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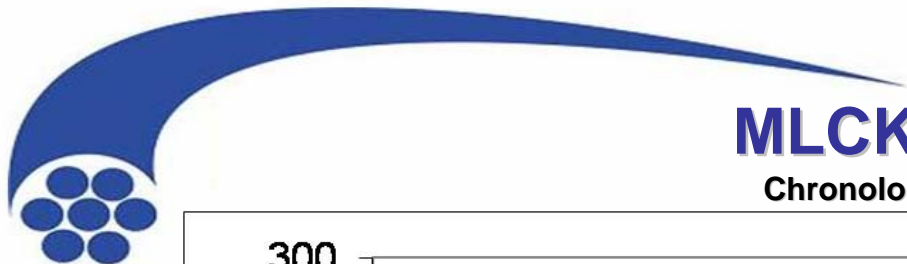


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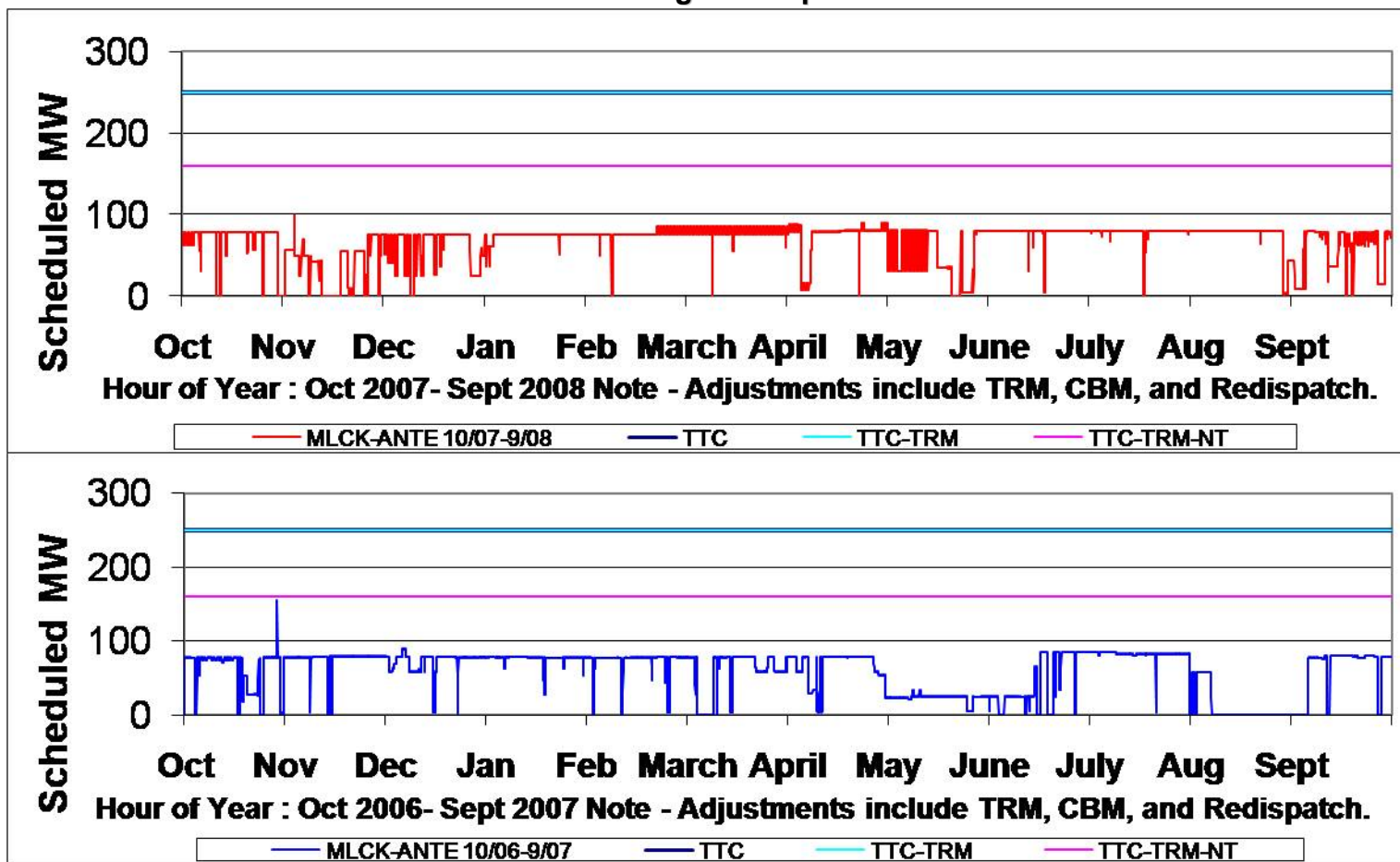


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MLCK-ANTE

Chronological Graph

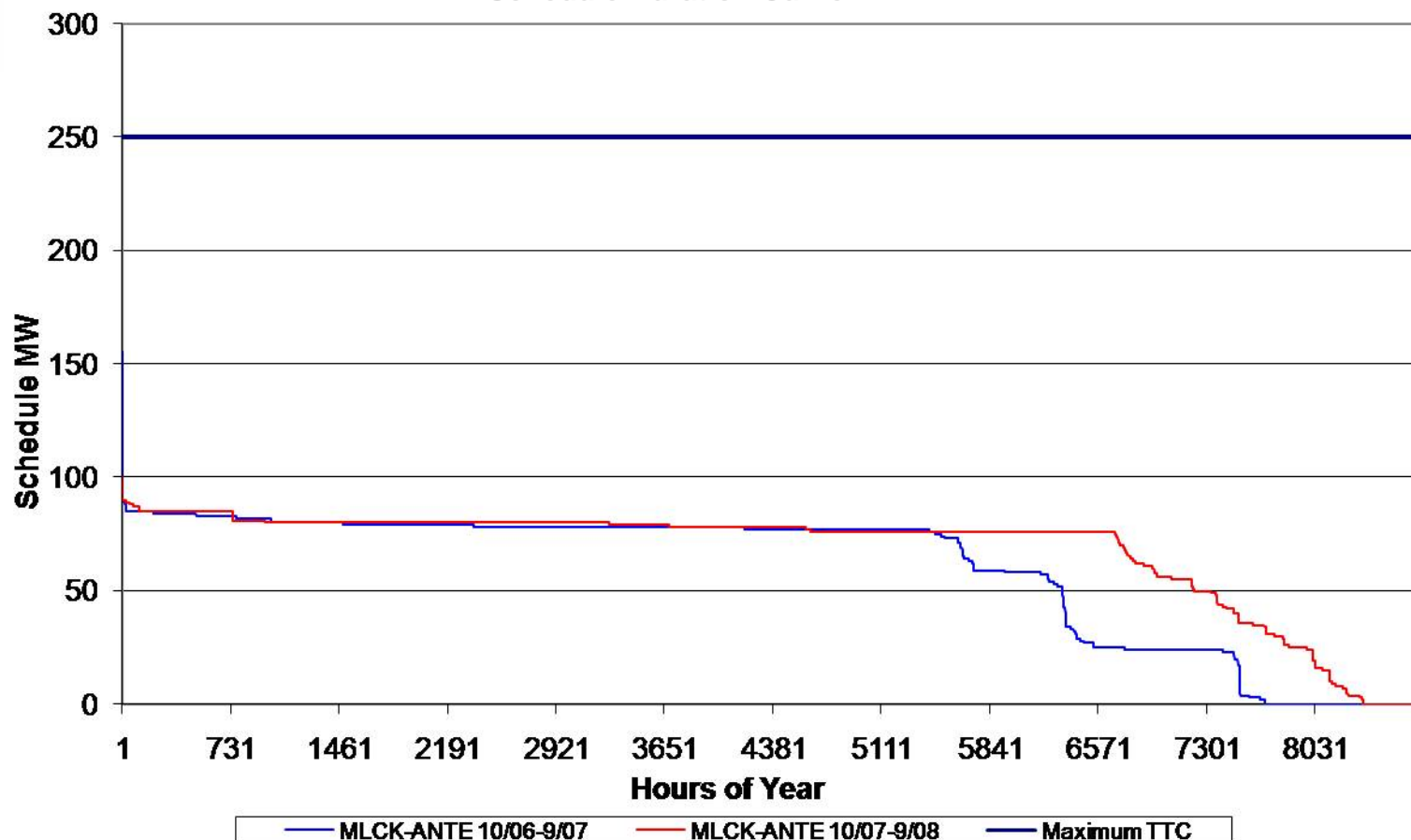


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MLCK-ANTE

Schedule Duration Curve



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PACES-PACEN

Path Map

Updated December 9, 2008

POR_POB

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- PacifiCorp East
- PacifiCorp West
- Portland General Electric

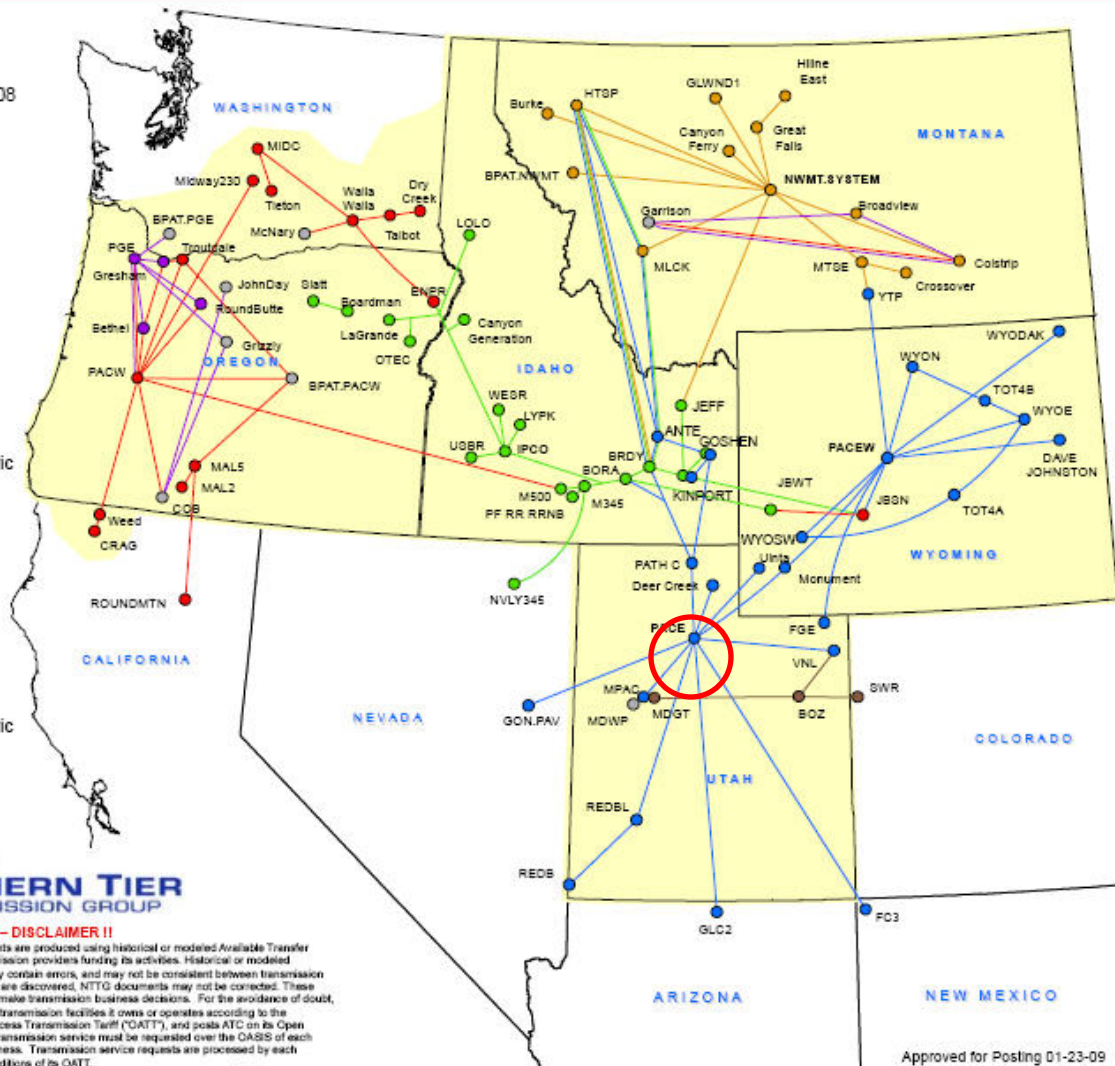
Paths

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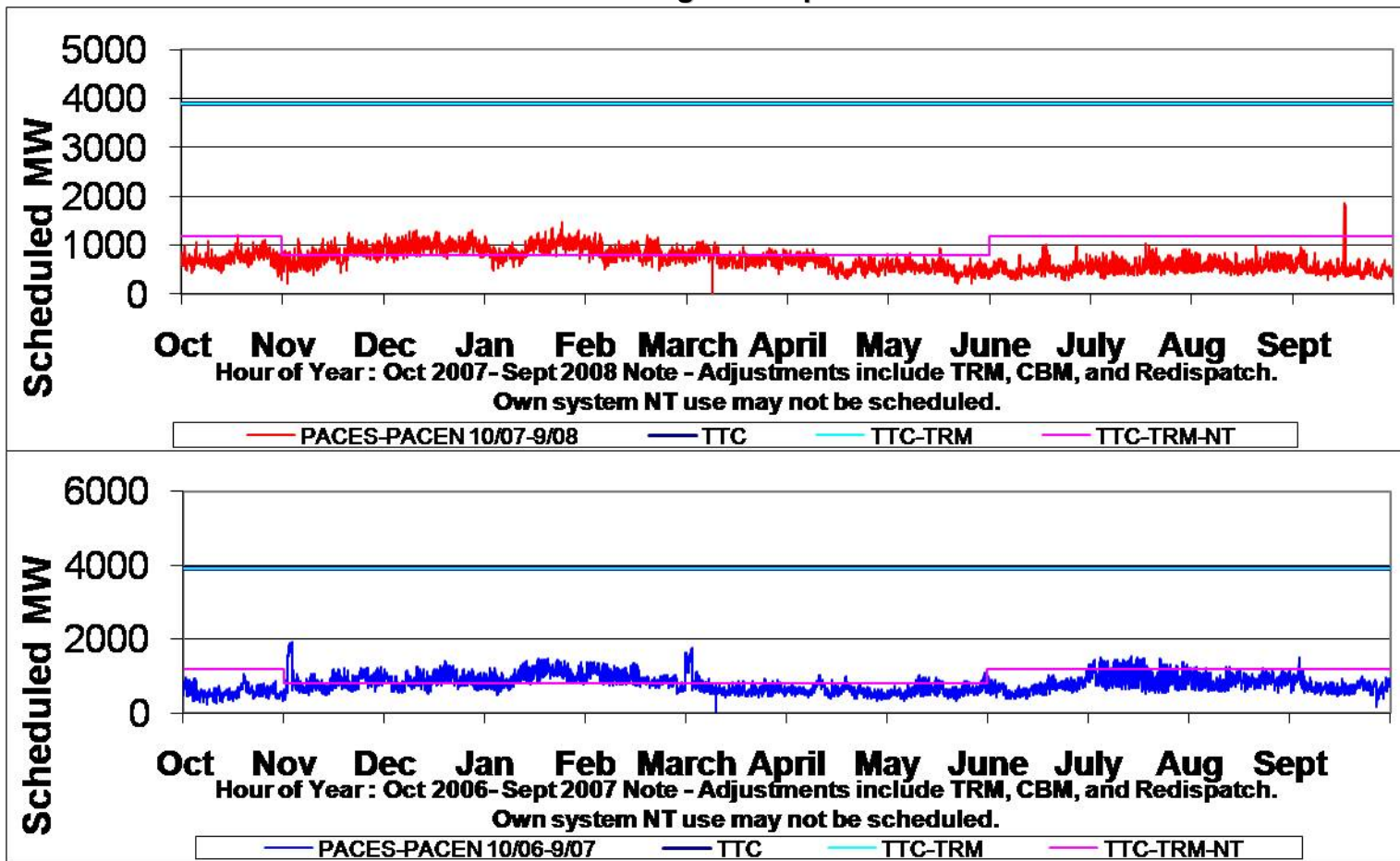


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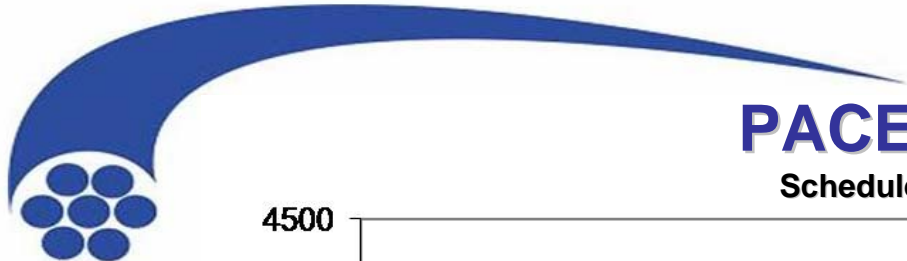


PACES-PACEN

Chronological Graph

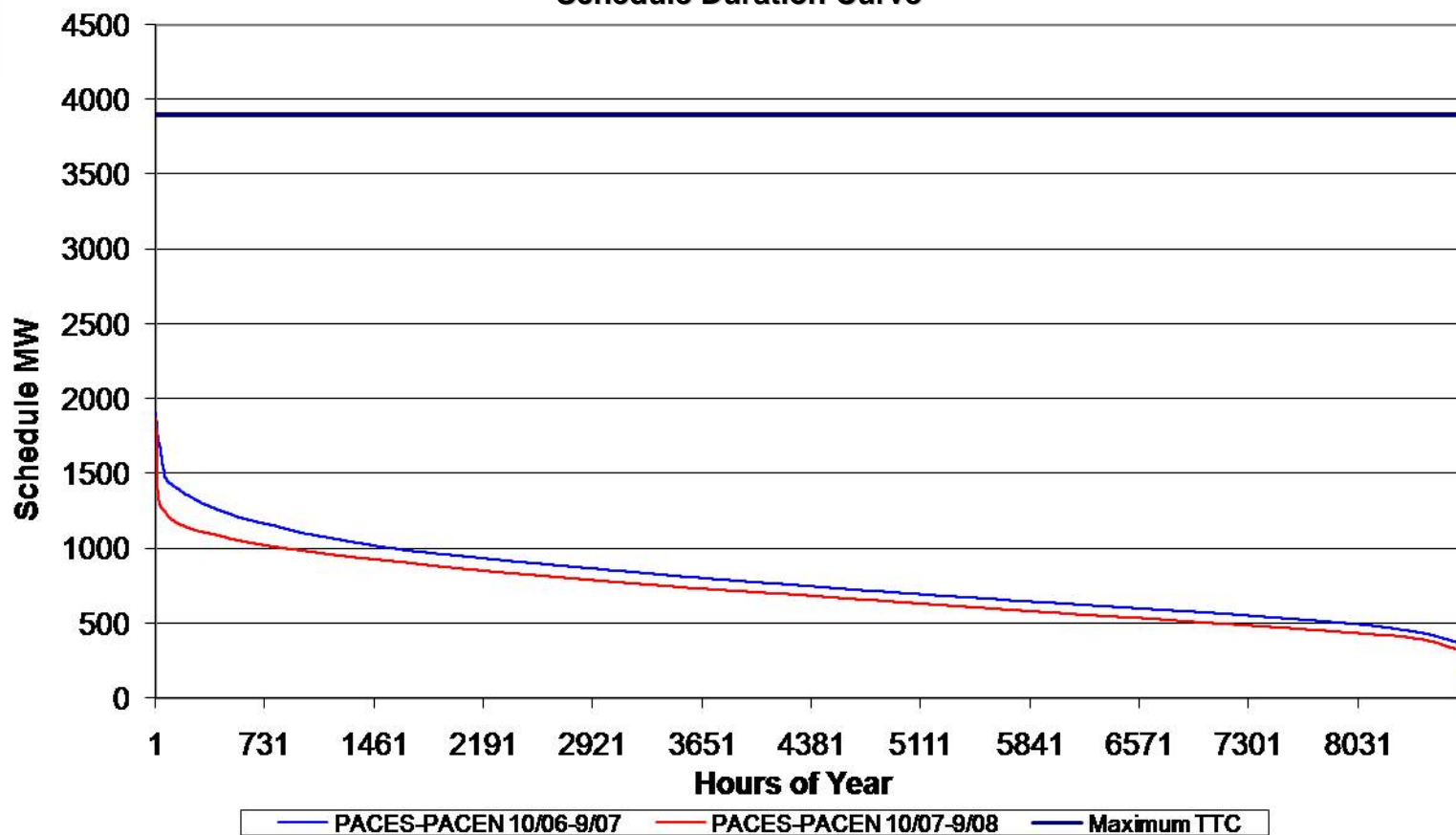


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PACES-PACEN

Schedule Duration Curve



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PACW-JohnDay

Path Map

Updated December 9, 2008

POR_POB

- Other
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- Idaho
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Paths

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- Idaho
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- PacifiCorp West
- Portland General Electric



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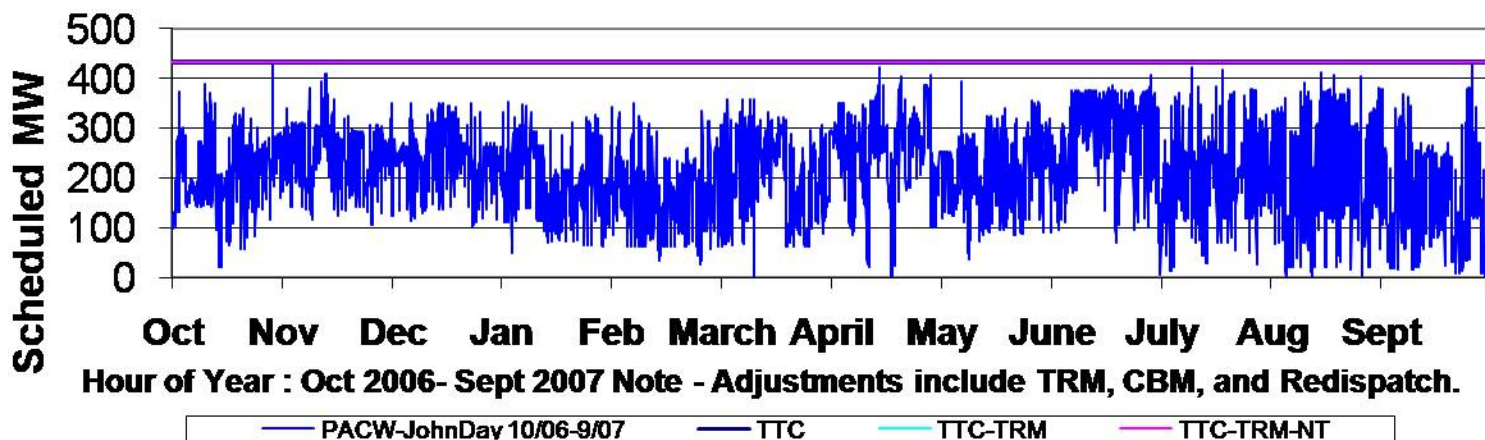
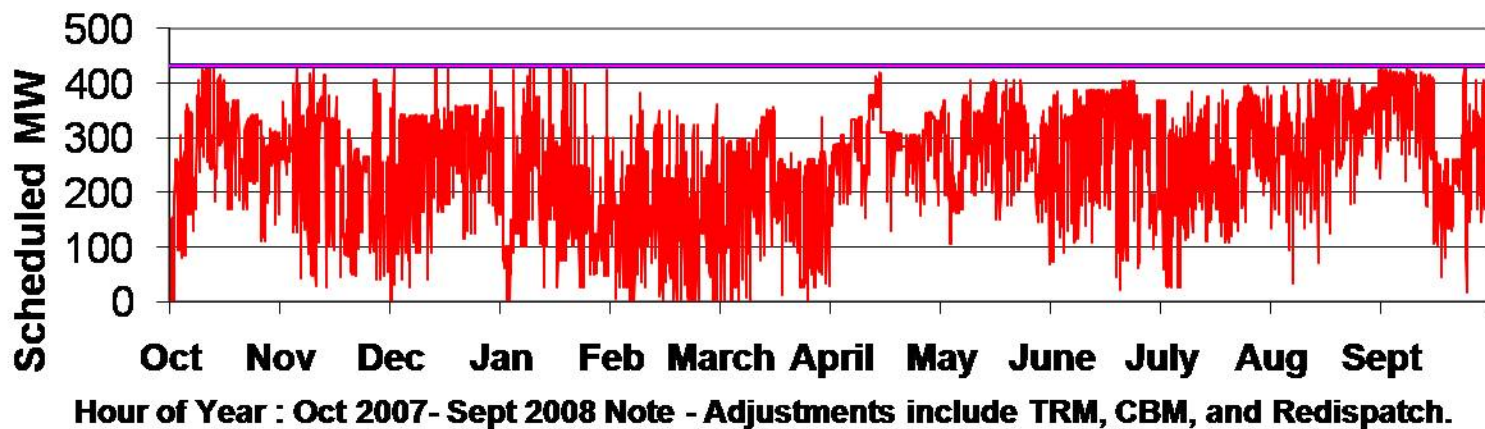


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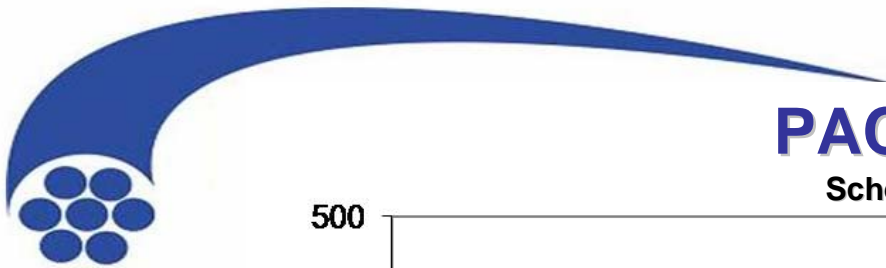


PACW-JohnDay

Chronological Graph

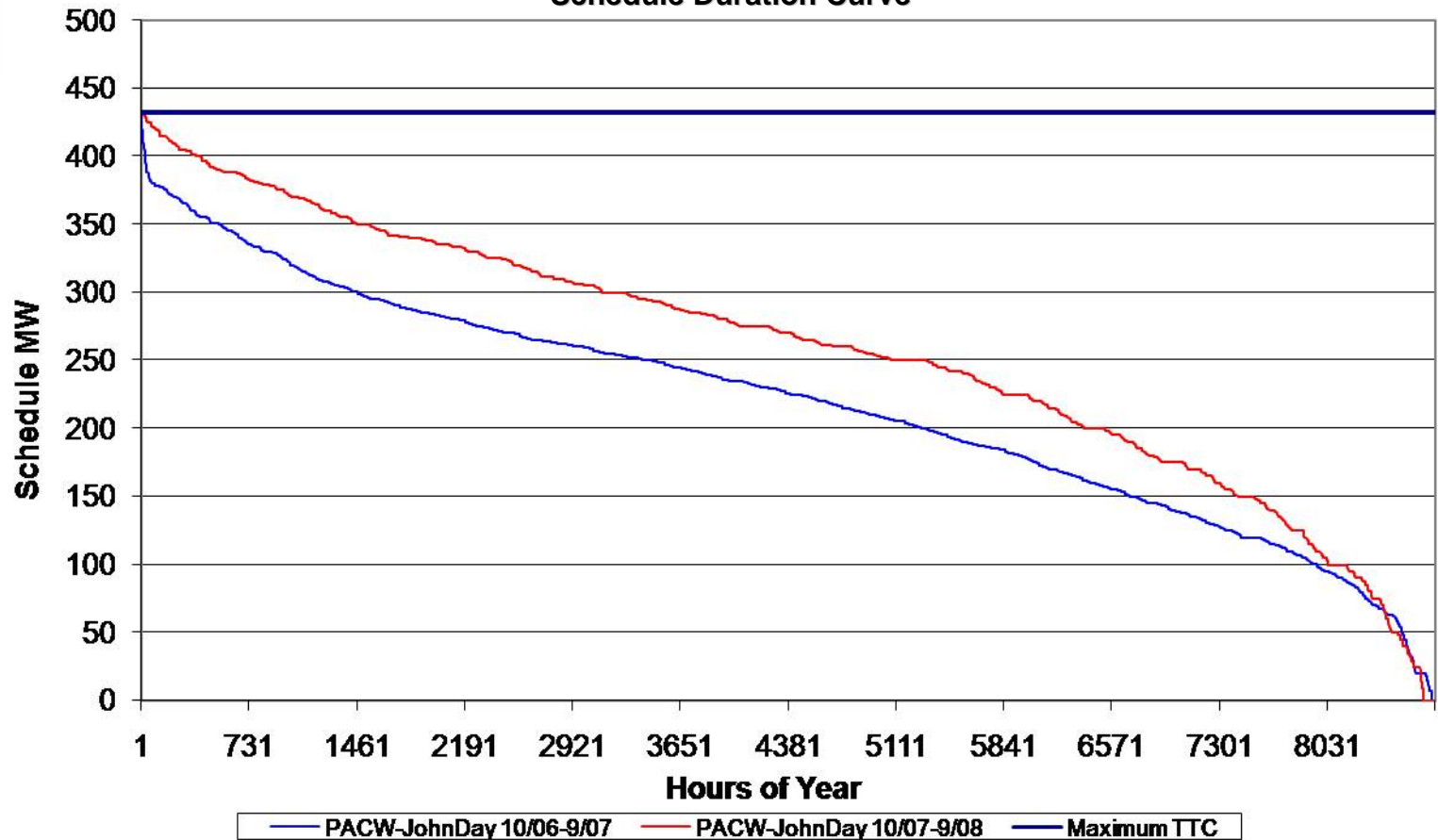


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PACW-JohnDay

Schedule Duration Curve



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Transmission Use Committee

Portland General Electric Graphs of Long Term Firm Schedules

Long Term Firm Network and Long Term Firm Point-to-Point
Scheduled MW Only

Colstrip-Townsend

Path Map

Updated December 9, 2008

POR_POB

- Other
- Deseret
- Idaho
- NorthWestern
- PacifiCorp East
- PacifiCorp West
- Portland General Electric

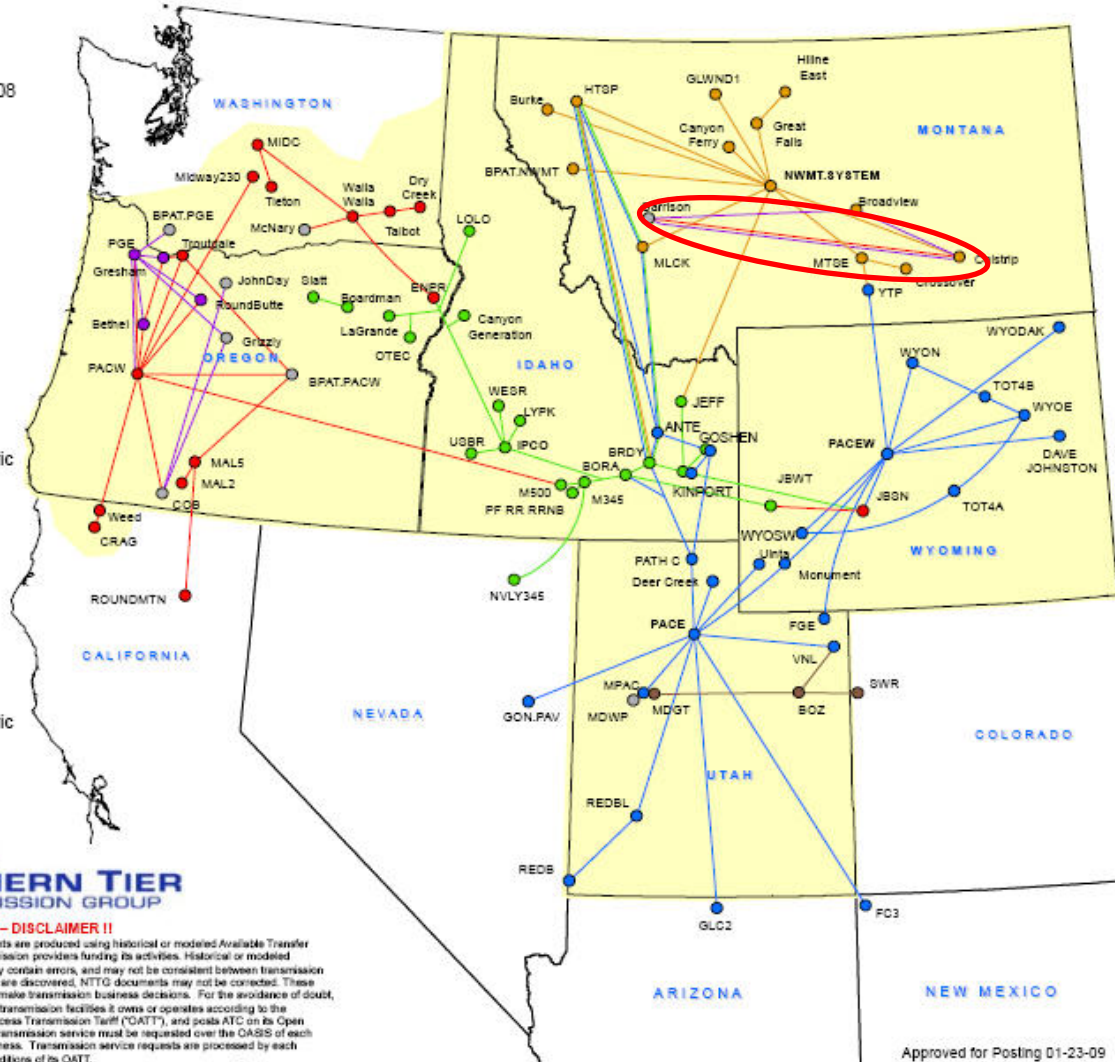
Paths

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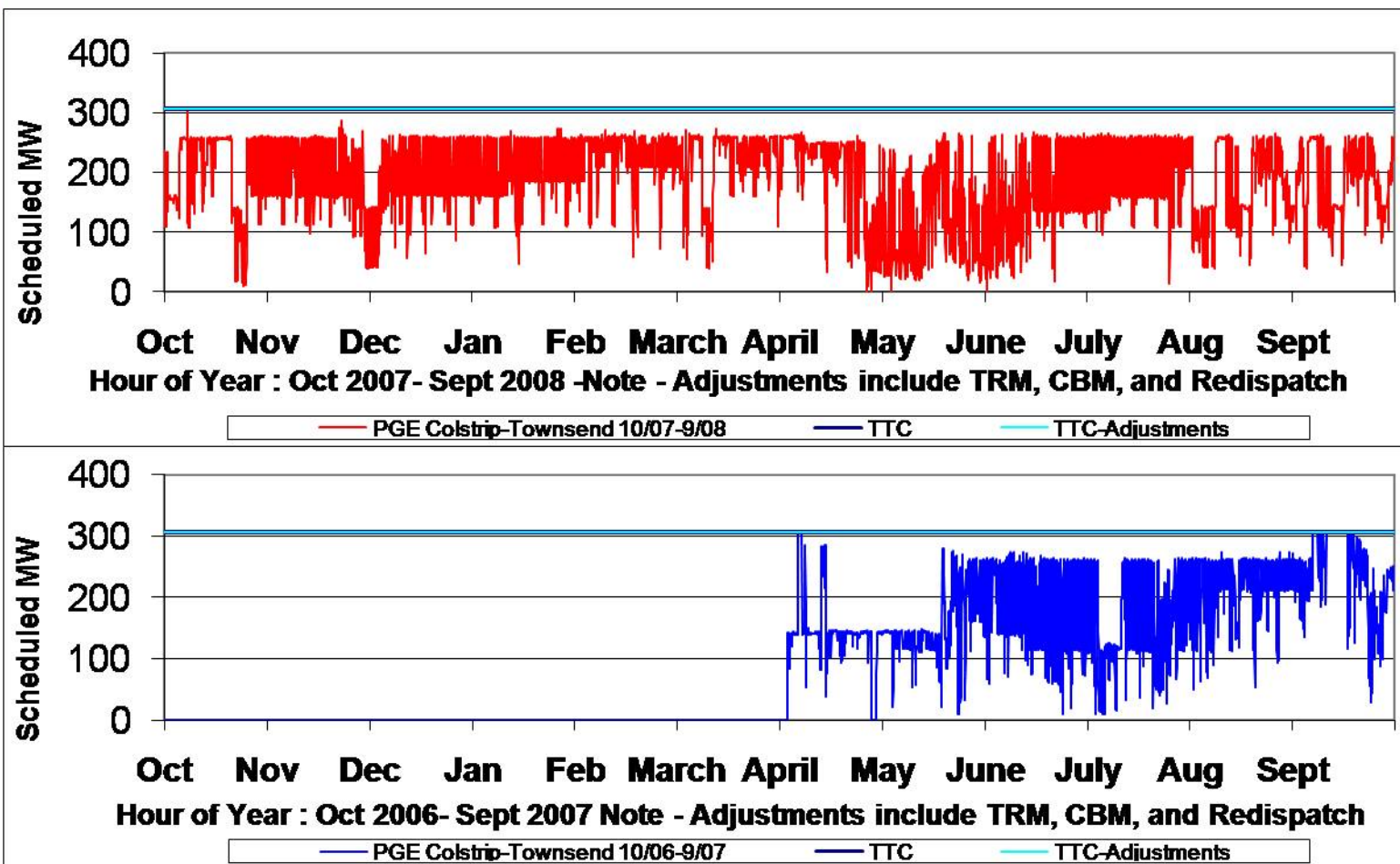


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Chronological Graph

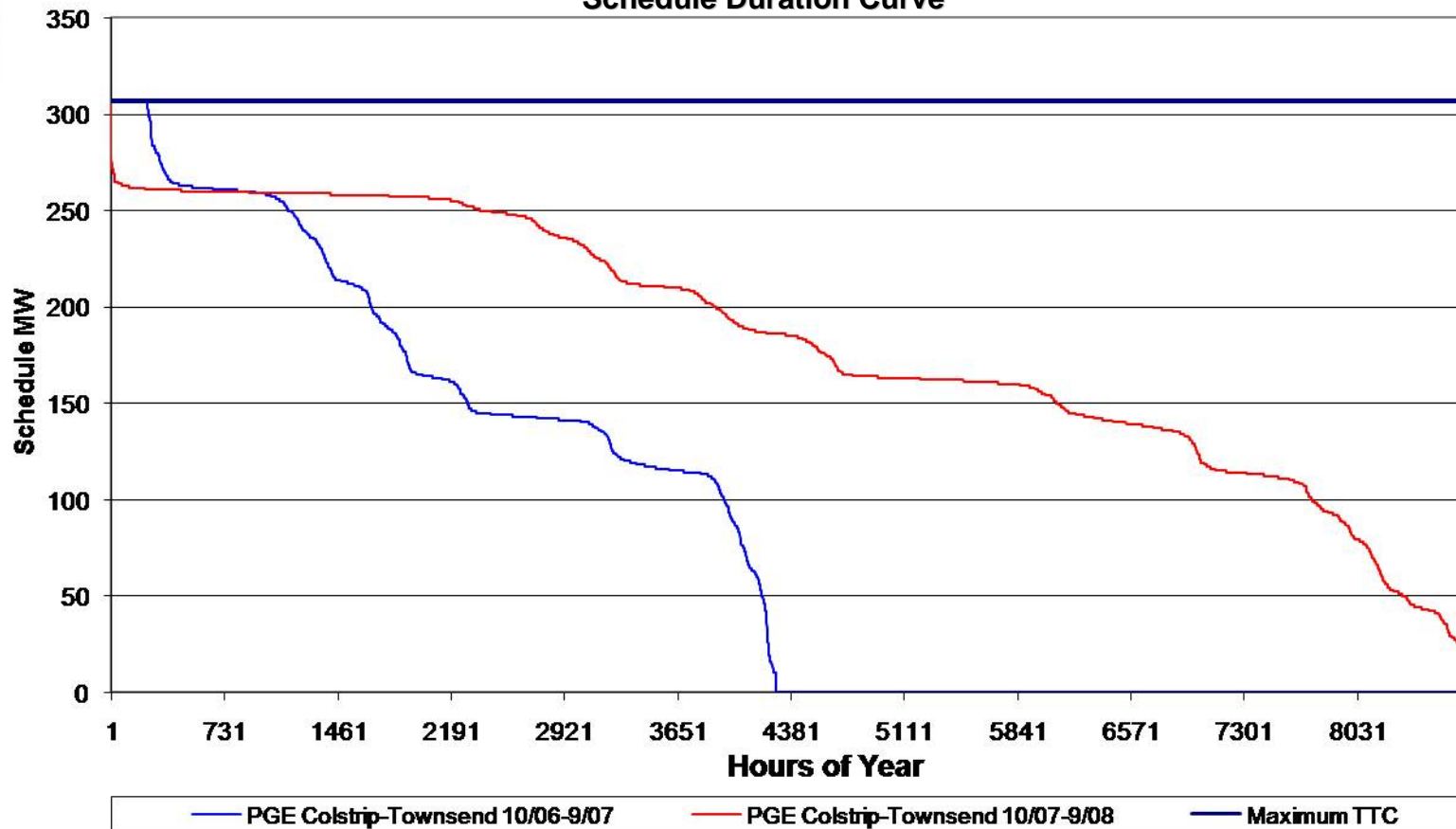


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Colstrip-Townsend

Schedule Duration Curve



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JohnDay-COB

Path Map

Updated December 9, 2008

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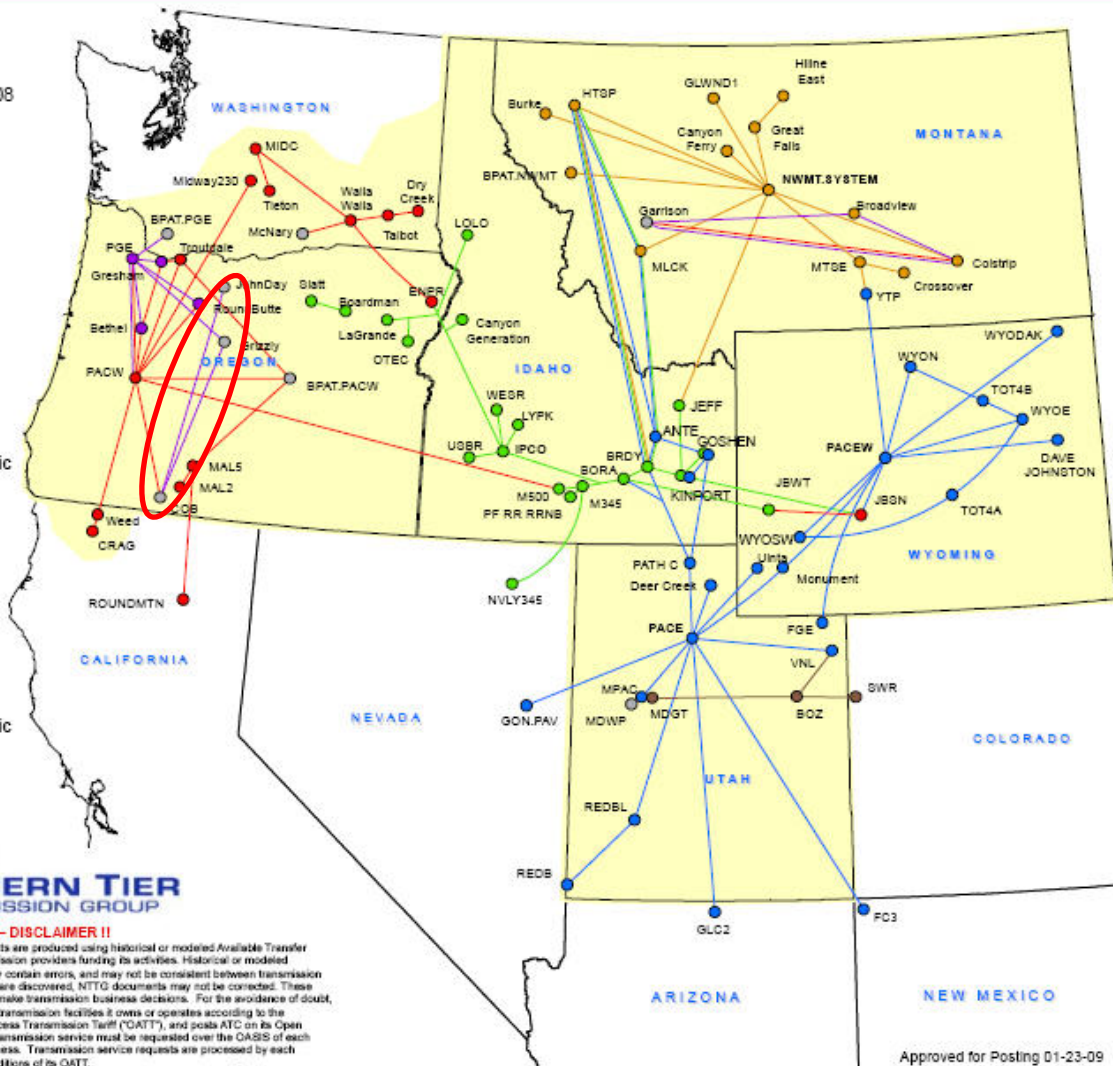
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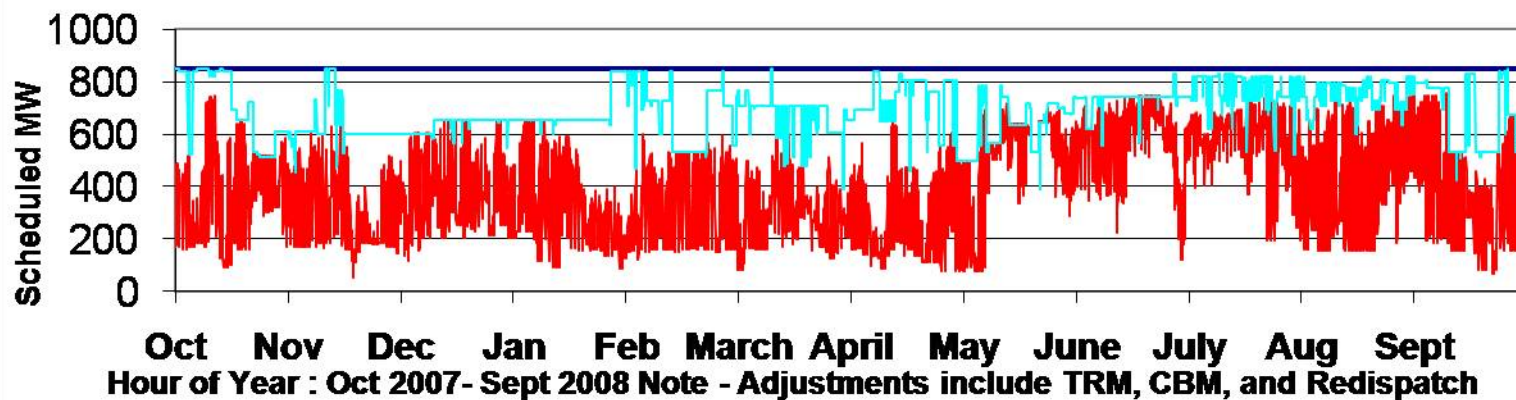


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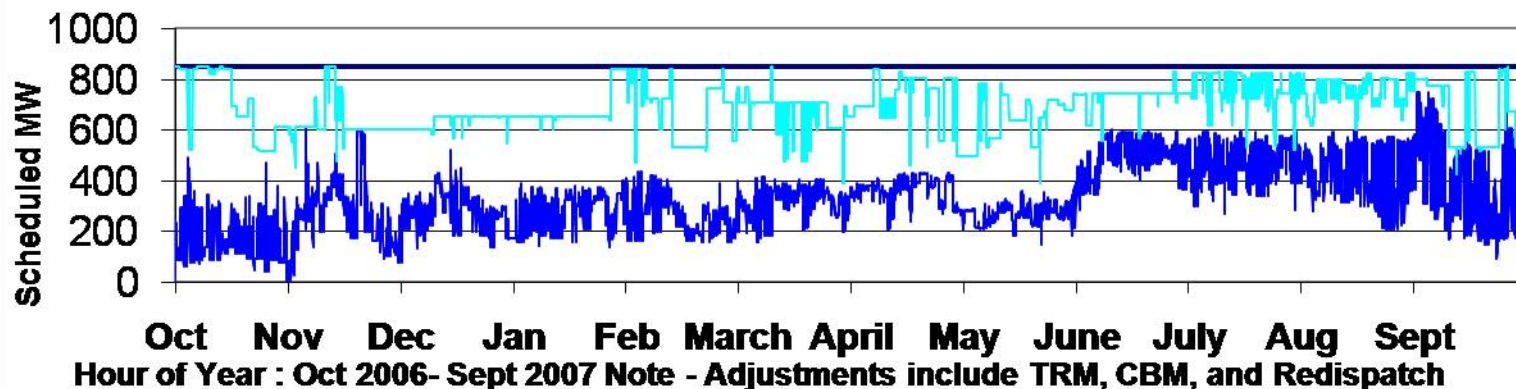


JohnDay-COB

Chronological Graph



— PGE JohnDay-COB 10/07-9/08 — TTC — TTC-Adjustments



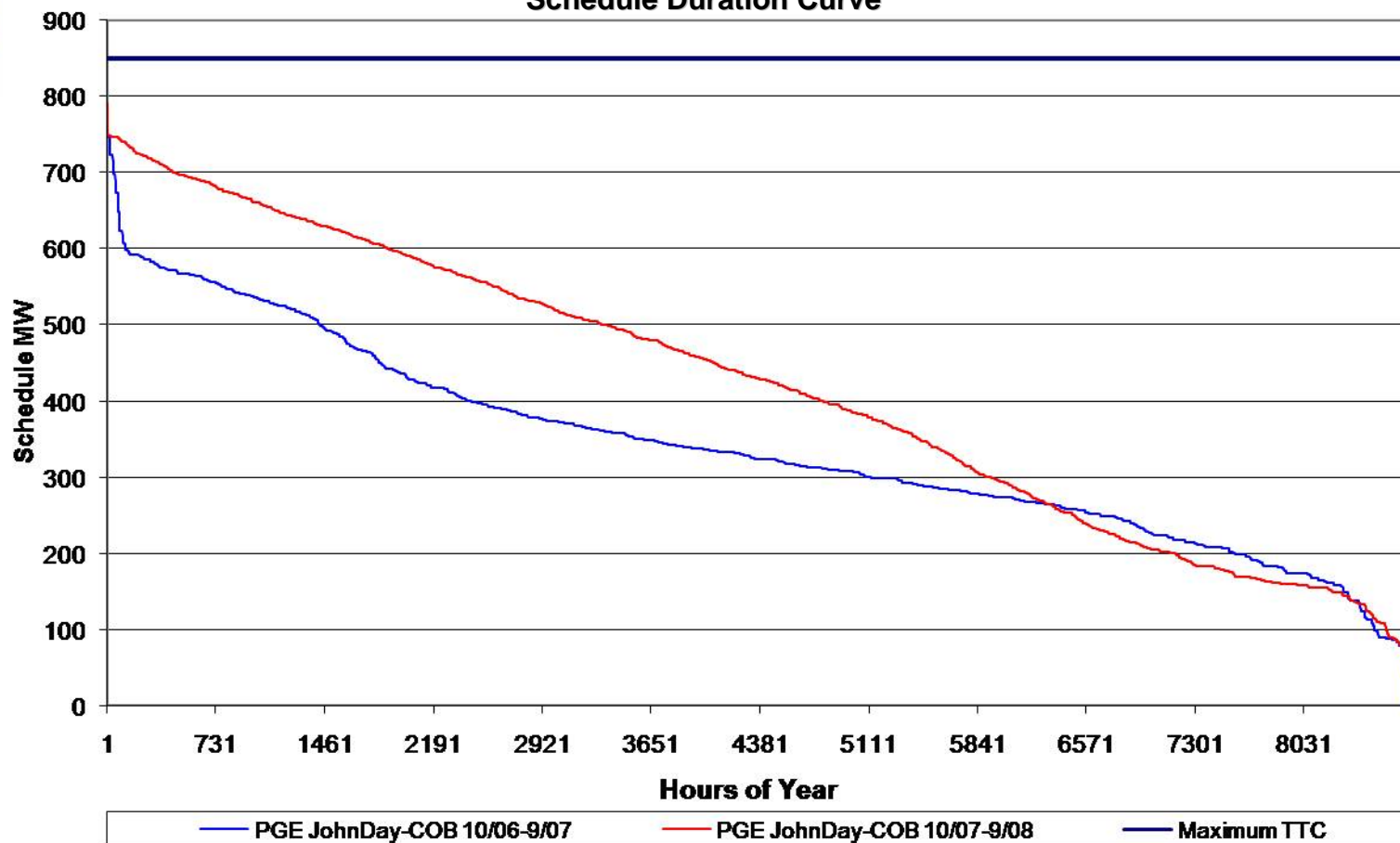
— PGE JohnDay-COB 10/06-9/07 — TTC — TTC-Adjustments

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JohnDay-COB

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Additional Resources

ATC-NTTG map and legend

ATC Related Narratives

Completed Transmission Service Request Study Summary

Definitions of ATC

Member company OASIS ATC information

Member company TRM/CBM information

NTTG Queue Summary

ATTACHMENT K

ECONOMIC STUDIES

FAQ

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Member company - OASIS/ATC information

Deseret OASIS


Deseret ATC - (need security registration)

Idaho Power Company OASIS

Idaho Power Company ATC - (need security registration)

NorthWestern Energy OASIS

Additional Resources

**NORTHERN TIER**
TRANSMISSION GROUP

HOME | SITE MAP | RELATED LINKS | CONTACT US

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Main Menu

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- CHARTERS & AGREEMENTS
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 - ATC Related Narratives
 - Completed Transmission Service Request Study Summary
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- ECONOMIC STUDIES**
- FAQ**


Recently Posted Items

- January 28, 2009 Public Stakeholder Meeting Notice Update
- January 28, 2009 Public Stakeholder Meeting Notice
- New Public Meeting Safeguards Adopted 11-13-08
- Updated November 12, 2008 Public Webinar Presentation
- November 12, 2008 Public Webinar Presentation

Home ▶ ATC Information ▶ Member company TRM/CBM information

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Member company TRM/CBM information 

Deseret CBM Business Practice

Idaho Power Company TRM/CBM OASIS Business Practice Folder -Section 6

Northwestern TRM/CBM Statement

PacifiCorp CBM Business Practice

PacifiCorp Business Practice on TRM changes causing negative ATC

July 2008 – January 2009 Work Plan Review and Report



Overview Work Plan

- Initiative resulted from January 2008 annual meeting; proposed work plan reviewed with stakeholders in July 2008
- Committee objectives:
 - Gather and share data (*collectively over 150+ distinct business practices*)
 - Develop an inventory of NTTG member business practices
 - Identify areas of similarity or difference
 - Develop possible next steps and share findings
 - Committee-level review of NAESB and WECC business practices and business practice development processes
- Scope did not include re-work of current business practices or an assessment of compliance with business practice requirements



Approach and Timeline

- Develop work plan / project scope – July 2008
- Each TP collect business practices – August 2008
- All TPs review business practices and overview of NAESB / WECC development processes – September 2008
- Complete inventory - November 2008
- Identify similarities / differences – December 2008
- Present findings and possible next steps - January 2009 annual stakeholder meeting



Drivers of Business Practices

- Business practices may result from a variety of sources and situations including:
 - Regulatory requirements
 - FERC Order related requirements for jurisdictional companies
 - North American Energy Standards Board
 - North American Electric Reliability Corporation
 - Western Electricity Coordinating Council
 - Clarifications of the OATT; interim practices
 - Special situations
 - Transmission providers may develop business practices to deal with special situations they've encountered or specific customer requests. This helps both the company's personnel and customers to be prepared when similar situations occur in the future.



Drivers of Business Practices

- And,
 - Customer Focus Efforts
 - Transmission providers may develop business practices to provide better customer assistance and consistent approaches to deal with all customers
 - Workload versus Personnel considerations
 - Personnel may respond to a couple hundred to a couple thousand transmission service requests on a monthly basis
 - Each transmission provider may develop business practices to help their personnel work as efficiently as possible by providing a standard, consistent approach to issues



Business Practices Development

- In developing business practices there is opportunity for public comment at WECC, NAESB and for individual transmission providers
- Transmission providers may follow the same business practices resulting from standards setting organizations including WECC and NAESB, and transmission providers may have company-specific business practices tailored to operational needs and customer interests
- There is no hard and fast rule that governs what drives individual transmission provider business practice development, but generally it is when a clarification is deemed necessary for provisions in the OATT or other clarifications not covered; results in differences among transmission providers



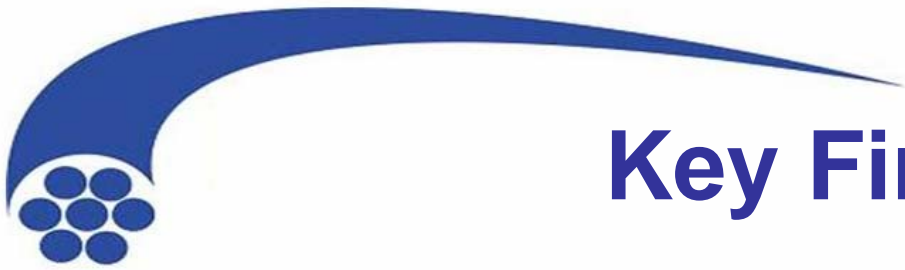
Inventory of Business Practices

Company	Business Practice #	Title	Description	OATT Section	Key Driver	Category	Effective Date
PacifiCorp	13	Business Practices Guidelines	Outlines transparent and open process for developing and revising company business practices.	Part I - Common Service Provisions	Order 890	Business Practices	4/18/08
PacifiCorp	14	Requesting a Transmission Path not Shown on PacifiCorp's OASIS	Clarifies process for firm Point-to-Point service requests for a service on a new path that is not posted on OASIS.	Part II - Point-to-Point Transmission Service	OATT clarification	Service Requests	7/8/07
PacifiCorp	15	Deposits Required for Interconnection Studies	Clarifies \$ amount and calculation methodology for OATT requirement to collect deposits.	Part IV - Large Generation Interconnection Service; Part V - Small Generation Interconnection Service	OATT clarification	Generation Interconnection Requests	7/30/07
PacifiCorp	16	Use of Off-Peak Load Conditions for Study for Network Resource Interconnection Impacts	Establishes process for deciding to study the transmission service under non-peak load conditions while reducing the need to post Acts of Discretion for this decision.	Part IV - Large Generation Interconnection Service	OATT clarification	Generation Interconnection Requests	7/30/07
PacifiCorp	17	Use of Third-Party Consultant to Perform a Generation Interconnection Study	Clarifies process for the ability to use a consultant to conduct generation interconnection studies at the Transmission Provider's discretion and without the need to post an Act of Discretion.	Part IV - Large Generation Interconnection Service; Part V - Small Generation Interconnection Service	OATT clarification	Generation Interconnection Requests	7/30/07
PacifiCorp	18	Redispatch Service on PacifiCorp's Transmission System - Revised	Describes redispatch process including qualifications, definitions, practice (scheduling procedures / use of hydro), calculation of costs, verification of invoice and charges for transmission service.	Part II - Point-to-Point Transmission Service	Order 890	Redispatch Service	9/3/08
PacifiCorp	19	Outage Planning and Notification Procedures	Clarifies request for outages process and timeline and notice requirements to Transmission Customers as part of planned outages.	Part I - Common Service Provisions		Outages	8/2/07
		Path Management when the need					



Examples of Business Practices

- Company-specific examples related to:
 - Ancillary Services
 - Described by individual OATT, some transmission providers may require further clarifying information, but not in all instances
 - Clarifications regarding E-tags
 - Clarifications regarding Short Term and Long Term Point to Point service
 - Clarifications regarding TTC/ATC
- Non-company specific examples related to:
 - Business Practice Administration
 - All transmission providers have a mechanism for organizing, developing, and revising their business practices; however, individual provider methods vary
 - Re-directs of transmission service requests



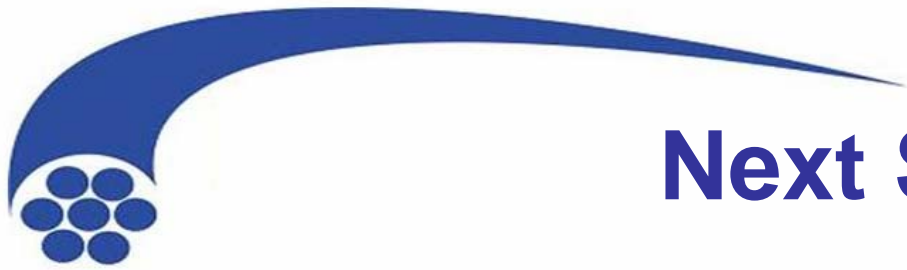
Key Findings

- Drivers for business practices vary and result from a variety of sources or situations
- Individual transmission provider business practices may be similar in nature to each other or they may be necessarily unique
- There is not a common method for organizing and presenting business practices among TPs (i.e. by OATT section, chronological numbering scheme, etc.) – but may not be needed to navigate
- All transmission providers have a business practices folder / section on OASIS
- No rigid categorization of business practices versus policies, etc.
- Standardizing content of existing business practices among transmission providers may dilute its clarifying value



Possible Next Steps

- Next steps considered:
 - Providing links from NTTG to TP business practice locations
 - *Would ultimately be link to OASIS*
 - NTTG interest / opportunity in business practice development activities in standards setting organizations
 - *Open to exploring opportunities; will stay coordinated as members*
 - Developing consistent organization criteria among TP business practices
 - *Different OASIS providers necessitate different structure; may not add value so long as there are existing organization schemes*
 - Offering standard business practice among TPs for changes to practices
 - *Emerging standards / documentation opportunities more viable*
- Be open to and coordinate among members or possibly other business practice related groups, industry changes affecting business practices on an as-needed basis



Next Steps

- Continue to provide annual and semi-annual deliverables
 - Next TUC committee stakeholder meeting – July 2009
- Prioritize and submit economic congestion studies per the NTTG planning cycle and WECC TEPPC cycle
- Support activities of the NTTG to deliver value to its members and the region, including the Joint Initiative
- Consider customer and stakeholder input