

Bonneville Power Administration Transmission Products and Reserving Transmission Service (CAISO WG-2)

Danielle Johnson & Abbey Nulph
January 2022

Transmission Firm Products, Duration and Reservation Window

Long Term PTP and Long Term NT

- 365 days or greater
- Beginning 10 yr prior to service and up to 60 days prior to start

Short Term Firm:

- Monthly PTP and Monthly NT
 - 28 days to 364 days,
 - No earlier than 60 days before delivery and up to 20 min. prior to start of flow
- Weekly PTP and Weekly NT
 - 7 days to 27 days,
 - No earlier than 14 days before delivery, up to 20 min. prior to start of flow
- Daily PTP and Daily NT
 - 1 day to 6 days,
 - No earlier than 7 days before delivery, up to 20 min. prior to start of flow
- Hourly PTP and Hourly NT
 - 1 hour to 24 hours,
 - Beginning at 9:00 of the WECC Preschedule day, up to twenty (20) minutes prior to the start of the operating day

Transmission Non-Firm Products, Duration and Reservation Window

BPA does not offer a Long Term Non-Firm product

Short Term Non-Firm:

- Monthly PTP and Monthly NT
 - 28 days to 364 days,
 - No earlier than 60 days before delivery up to 20 min. prior to start of flow
- Weekly PTP and Weekly NT
 - 7 days to 27 days,
 - No earlier than 14 days before delivery up to 20 min. prior to start of flow
- Daily PTP and Daily NT
 - 24 hours to 6 days
 - No earlier than 2 days before delivery, up to 20 min. prior to start of flow
- Hourly PTP and Hourly NT
 - 1 hour to 24 hours,
 - Beginning at 10:00 am of the WECC Preschedule day, up to the end of the operating hour
- Secondary Hourly PTP
 - 1 hour to 24 hours,
 - Beginning at 10:00 am of the WECC Preschedule day, up to the end of the operating hour
- BPA does not offer a Next Hour Non-Firm product

Processing Transmission Service Request and Tools and Systems

Processing Transmission Service Request (TSR)

- Long Term Product –
 - Manually processed
 - ATC evaluation is based on the Source/Sink on the TSR
- Short Term Products –
 - Automatically processed by BPA system based on a number of validations and ATC evaluation.
 - TSR typically processes within 1-5 minutes.
 - ATC evaluation is based on the POR/POD on the TSR
 - Hourly Non-Firm on the Network ATC paths are not Refused due to a lack of ATC.

BPA utilizes a number of Tools and Systems.

To name a few:

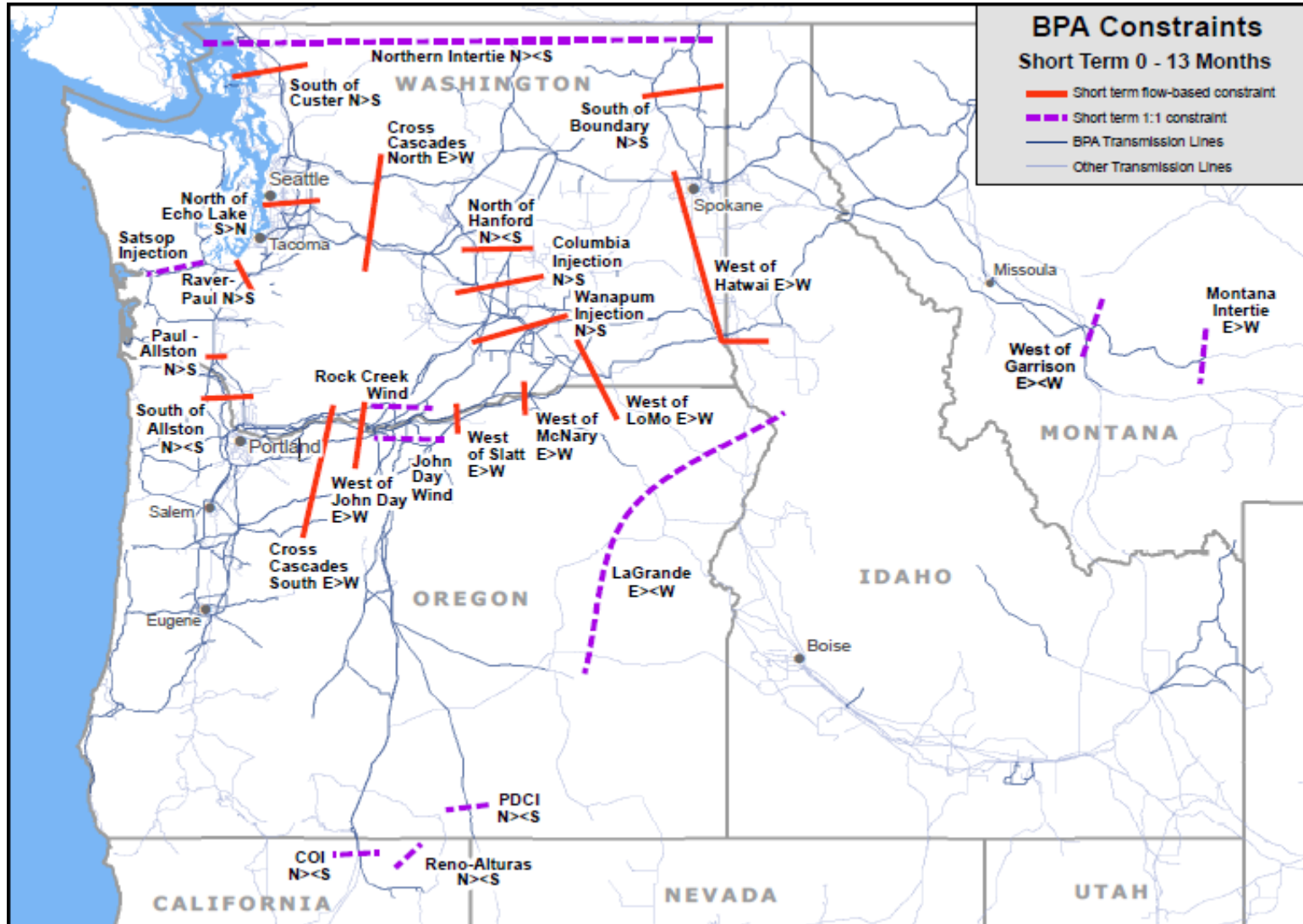
Suite of OATI products	Short Term Yearly PTDF table
Internal Commercial Systems	Reservation to E-tag Relationship
Short Term Calculators (All Lines in Service)	Hourly TTC Path Limits/Outages
Long Term Inventory Map	Curtailement Priority

Curtailment Priority

Transmission Service Reservation Priorities							
E-Tag Priority	Acronym	Transmission Curtailment Classification	Transmission Service Type	Time Horizon	Transmission Service Products	Description	Action
0	NX				N/A	Next-hour Market Service - BPAT does not offer	Curtail
1	NS	Non-Firm	PTP	Hourly	NF-Secondary Hourly PTP	NF PTP Service over secondary receipt and delivery points (Redirects)	Curtail
2	NH	Non-Firm	PTP	Hourly	NF-Hourly PTP	Hourly Service	Curtail
3	ND	Non-Firm	PTP	Daily	NF-Daily PTP	Daily Service	Curtail
4	NW	Non-Firm	PTP	Weekly	NF-Weekly PTP	Weekly Service	Curtail
5	NM	Non-Firm	PTP	Monthly	NF-Monthly PTP	Monthly Service	Curtail
6	CF	Non-Firm	PTP	Yearly	LTF-Yearly PTP	Conditional Firm Service curtailment priority when Conditional (not firmed up)	Curtail
	NN	Non-Firm	NT	Hourly	NF-Hourly NT	NITS ² from sources not designated as a Network Resource	Curtail
	NN	Non-Firm	NT	Daily	NF-Daily NT	NITS from sources not designated as a Network Resource	Curtail
	NN	Non-Firm	NT	Weekly	NF-Weekly NT	NITS from sources not designated as a Network Resource	Curtail
	NN	Non-Firm	NT	Monthly	NF-Monthly NT	NITS from sources not designated as a Network Resource	Curtail
7	CF	Firm	PTP	Yearly	LTF-Yearly PTP	Conditional Firm Service (when firmed up)	Curtail
	F	Firm	PTP	Hourly	F-Hourly PTP	Firm Point-to-Point Transmission	Curtail
	F	Firm	PTP	Hourly	F-Hourly Loss Return	Firm Point-to-Point Transmission	Curtail
	F	Firm	PTP	Daily	F-Daily Loss Return	Firm Point-to-Point Transmission	Curtail
	F	Firm	PTP	Daily	STF-Daily PTP	Firm Point-to-Point Transmission	Curtail
	F	Firm	PTP	Weekly	STF-Weekly PTP	Firm Point-to-Point Transmission	Curtail
	F	Firm	PTP	Monthly	STF-Monthly PTP	Firm Point-to-Point Transmission	Curtail
	F	Firm	PTP	Yearly	LTF-Yearly PTP	Firm Point-to-Point Transmission	Curtail
	FN	Firm	NT	Hourly	F-Hourly NT	NITS from a Designated Network Resource	Redispatch (Flow-based ATC paths) or Resupply on 1:1 ATC paths
	FN	Firm	NT	Daily	STF-Daily NT	NITS from a Designated Network Resource	Redispatch (Flow-based ATC paths) or Resupply on 1:1 ATC paths
	FN	Firm	NT	Weekly	STF-Weekly NT	NITS from a Designated Network Resource	Redispatch (Flow-based ATC paths) or Resupply on 1:1 ATC paths
FN	Firm	NT	Monthly	STF-Monthly NT	NITS from a Designated Network Resource	Redispatch (Flow-based ATC paths) or Resupply on 1:1 ATC paths	
FN	Firm	NT	Yearly	LTF-Yearly NT	NITS from a Designated Network Resource	Redispatch (Flow-based ATC paths) or Resupply on 1:1 ATC paths	

² Network Integration Transmission Service

ATC Short Term Constraints



ATC Long Term Constraints

