

ISSUES LOG FOR USE OF BPA TRANSMISSION FOR EIM PARTICIPATION

	Question/Open Issue	Issue Category	Description	BPA Response	Validation	Reference	Timeline	Status
1	ATC	commercial access to transmission	Do BPA's Available Transfer Capacity planning processes adequately account for any changes?	BPA believes its ATC Planning processes adequately account for customers using LT Firm PTP transmission for EIM participation. BPA plans to discuss TSR evaluation March and can discuss base-case assumptions if needed. This is true for LT ATC impacts and or short-term greater than hourly. As discussed below, use of Dynamic Schedules can impact short-term ATC but that impact is true for all Dynamic Schedules, not just those for the EIM. So there are no unique impacts of their use for EIM participation.	Base Case/TSR Validation Discussion and how it applies to the EIM	Res Desk Presentation (slides 22 – 26)	Phase 1	Resolved and Communicated
2	System Scheduling	commercial access to transmission	Are there unique impacts of a PSE/PACW system-to-system schedule for EIM Transfers? Can BPA manage the impacts on this application of system-to-system scheduling?	EIM Participating Resources that use the FCRTS use source-specific schedules. In addition, real-time impacts are calculated using individual real-time shift factors (see also PTDF, PUF, etc.) for each relevant EIM Participating Resource based on then-current system topology. This is in addition to standard congestion management practices.	Overview of Tagging/Curtailment/UL Limits and how they apply to the EIM	Congestion Mgmt Presentation EIM Control Presentation (slide 11-17)	Phase 1	Resolved and Communicated
3	Tariff and Business Practices	commercial access to transmission	Does BPA consider there to be any barriers created by its OATT, business Practices, contracts, or other documents that govern commercial access to transmission?	BPA believes that its transmission customers can use their standard PTP rights on the FCRTS using prevailing practices. BPA will continue to do a case-by-case analysis for any further entrants and such parties would be subject to any changes to practices that apply to all PTP customers. BPA has also identified <i>additional</i> requirements to mitigate any specific operational issues created by the EIM.	BPA internal analysis. Communicated in stakeholder process	147 FERC 61,227 (p. 114) BPA Resale BP NASEB, WEQ-001-11	Phase 1	Resolved and Communicated
4	DYNAMIC tags	commercial access to transmission	What are the impacts of using DYNAMIC tags on other customer's access to transmission? These tags encumber capacity based on Transmission Profile, not Energy Profile.	Use of the DYNAMIC tag type by BPA customers for the EIM is subject to the same standard as other customers in addition to the UL Limit and data requirements. Use of DYNAMIC tags for EIM flows does not have a unique impact on ATC calculation. There is no change needed in DYNAMIC scheduling practices for the EIM.	Discussion on tagging requirements for EIM Transfers	UL Limit Business Practice Dynamic Transfer Operating BP	Phase 2	Resolved and Communicated for PSE Go-Live
5	NT Service	commercial access to transmission	Does expanded EIM participation impact service to NT customer's ability to serve load?	Controls are in place to manage the impacts of BPA customers using their Firm PTP rights on the FCRTS for the EIM. From TSR evaluation to congestion management and real-time controls for dynamic impacts. Thus far all use of the FCRTS for the EIM has been on Firm PTP TSRs greater than hourly. That practice is expected in the future. In addition, increases in EIM Market Flows are limited when BPA enters any congestion event. Further, any use of hourly Firm PTP would not have a unique impact as compared to other hourly Firm PTP schedules.	Discussion on PSE transmission reservation use and evaluation	Congestion Mgmt Presentation EIM Control Presentation (slide 11-17) UL Limit Business Practice	Phase 2	Resolved and Communicated for PSE Go-Live
6	Transfer loads	commercial access to transmission	What are the impacts to BPA loads in PSE's BA?	BPA customers that have questions regarding Transfer Service should contact their Power Services AE.	Power Services, NW Requirements Marketing Issue. Contact your Power AE	NA	NA	NA



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7	Allocation discussion for flowgate DTC.	commercial access to transmission	If BPA manages flowgate VTL capability based on totals how would it allocate among different users?	BPA is still developing the ability to set UL Limits based on system capability. At this point BPA sets the UL Limits based on values that are empirically observed to not have negative impacts on other customers - currently a combination of Historic Use limits and provisional numbers for the purpose of identifying how the UL Limits work. BPA does not believe this conversation is necessary unless the UL Limit control framework evolves further. BPA has sole discretion of these values and can change them in real-time as it identifies the need to do so.	Transparent Policy Process when nomogram capability exists	EIM Control Presentation (slide 11-17) UL Limit Business Practice	Phase 2	Resolved and Communicated for PSE Go-Live
8	Long-Term implications of providing DTC to customers for EIM participation	reliability and operations	How has BPA managed the long-term impact of DTC use for the EIM	BPA has not granted any long-term use of DTC to customers for EIM participation. EIM dispatches that utilize DTC are subject to UL Limits. BPA has sole discretion to set these values and can change them in real-time as it identifies the need to do so. BPA has no plans for creating a long-term allocation among EIM Entities for flowgate VTLs.	UL Limits Overview	EIM Control Presentation (slide 11-17) UL Limit Business Practice	Phase 1	Resolved and Communicated
9	Staying within VTLs	reliability and operations	How does BPA ensure the CAISO stays within the VTLs and what is the method to resolve any non-performance?	BPA works closely with the CAISO and its customers to monitor performance within the UL Limit control framework. BPA has not yet identified the need to develop additional controls. BPA is working to develop additional monitoring capabilities. We are interested in customer feedback on the relative importance of this capability compared to other BPA priorities. BPA will discuss operation under these limits in upcoming stakeholder meetings.	UL Limit Overview/Performance/Rate Case	Performance Monitoring Presentation	Phase 1	Resolved and Communicated
10	NT redispatch	reliability and operations	Will the CAISO account for congestion in the BPA BA when they dispatched? If so, how well? If not, Does the EIM lead to more NT Redispatch events	PAC and PSE will tag their transmission for the EIM on Firm PTP. See the ATC and congestion management discussion for a description of the standard practices BPA has in regards to Firm PTP transmission. There is no data that suggests an incremental need for network curtailments as a result of EIM participation. In addition, BPA's UL Limits account for congestion by limiting 5-minute dispatches when it enters a curtailment on a relevant flowgate.	Congestion Management Overview	Congestion Mgmt Presentation EIM Control Presentation (slide 11-17) UL Limit Business Practice Res Desk Presentation (slides 22 – 26)	Phase 1	Resolved and Communicated
11	Curtailment priority	reliability and operations	What is BPA's curtailment priority of EIM dispatches?	BPA curtails tags used for EIM based on the its underlying transmission product (Firm PTP). BPA discussed the curtailment calculator in the February stakeholder meeting.	Congestion Management Overview	Congestion Mgmt Presentation	Phase 1	Resolved and Communicated
12	Impact of Pac's current use of DTC	reliability and operations	Overview of current operations	BPA will discuss operational data for the current implementation of UL Limit controls in Spring 2016. COI DTC is managed according to the same rules as all other COI Dynamic Schedules.	UL Limit Performance	Performance Monitoring Presentation Dynamic Transfer Operating BP	Phase 1	Resolved and Communicated

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13	How viable would a study be of EIM dispatch changes due to EIM? Do we have the proper inputs? DTC	reliability and operations	Can BPA study EIM dispatches and determine consumption of DTC and impacts on other uses?	BPA manages the use of DTC through its UL Limits. BPA has visibility over metered output of plants connected to the FCRTS and visibility of forecasted EIM market flow. BPA will discuss methods of monitoring actual performance.	UL Limit and Congestion Management Overview	EIM Control Presentation (slide 11-17) UL Limit Business Practice	Phase 2	Resolved and Communicated for PSE Go-Live
14	Dynamic capabilities on BPA's system	reliability and operations	What is the DTC of BPA's system?	BPA is studying DTC on each of its network flowgates. BPA currently manages DTC use through UL Limits and has discretion to change the limits.	TIP 355/TIP 281	TIP 355 Materials CF Presentation (slides 11-13)	Phase 2	Resolved and Communicated for PSE Go-Live