



Administrative Process for Demand Response Registration Substitution During Product Specific Emergency Dispatch

DRS

July 30, 2014

- CSPs may use substitute registrations of a different Product Type to cover the commitment of under-performing registrations that were dispatched
 - **The substitute and under-performing registration must...**
 - be located in the same geographic location (dispatch area)
 - have comparable capacity commitments
 - have the same designated lead time

Tariff : Attachment DD 11.(a)

To the extent a Demand Resource cannot respond, another Demand Resource in the same geographic location defined by the PJM dispatch instruction with the same designated lead time and comparable capacity commitment may be substituted.

- If PJM needs to dispatch Demand Resources during the Limited DR availability Period, then PJM will dispatch all DR products simultaneously unless all products have been dispatched frequently during the current Delivery Year. Frequent dispatch of DR during the Delivery Year is defined as:
 - 2 times prior to July 1st , or,
 - 4 times prior to August 1st, or,
 - 7 times prior to September 1st
- If PJM frequently dispatches then PJM may consider dispatch of Extended Summer and Annual DR only, to preserve the Limited DR for the remainder of the summer.

Product specific dispatch only considered if we already have significant number of events

- One or more substitute registrations may be used to cover the commitment of one or more under-performing registrations
 - Replacement(s) must be comparable (within $\pm 25\%$ or ± 0.5 MW)
 - Must be same Zone
 - Must be same Lead Time
- The list of under-performing registrations and their substitutes must be provided to PJM by 11:59pm of the event day
- The reduction values of substitute registrations are used for compliance calculations and not under-performing registration(s)

- Submit Excel Substitution spreadsheet by email to dsr_ops@pjm.com no later than 11:59:59 pm on Event day
- PJM will review substitution and if approved, will create emergency energy settlements/compliance records as needed
- CSP will upload meter data for substitutes – normal deadlines apply

- Substitution Spreadsheet Template
 - pjm.com -> Markets & Operations -> PJM Tools -> eLRS -> Documentation and Training Material -> Product Substitution Template
- One Substitution Set per tab
- Enter data exactly as it appears in eLRS (Registration ID, Nominated ICAP (kW), Zone, Lead Time, Product)
- CSP to check template to ensure substitute meets requirements (pass/match)

18 fx ATSI

Instructions:

1. Use one tab per Substitution Set. A Substitution Set includes one or more Dispatched registrations and the corresponding one or more Substitution registrations.
2. All data must be entered exactly as displayed in eLRS: Registration ID, Nominated ICAP (kW), Zone, Lead Time and Product.
3. Substitution Rules:
 - Under-Performing Registration(s) and Substitutes(s) must have the same Lead Time, Zone and Product in eLRS.
 - The Nominated ICAP (kW) of Substitute Registrations(s) must be within $\pm 25\%$ OR ± 500 kW of the Under-Performing Registration(s)

Product Substitution Set

Under-Performing Registration(s)					Substitution Registration(s)					Substitution Meets Criteria:	TRUE
Original/Dispatched Registration ID	Nominated ICAP (kW)	Zone	Lead Time	Product	Registration ID	Nominated ICAP (kW)	Zone	Lead Time	Product	<small>Note: Total Nom. ICAP below calculated for all rows which have a RegistrationID.</small>	
154555	235	ATSI	Long_120	Annual	154999	244	ATSI	Long_120	Limited	Total Dispatched Nom. ICAP:	235
										Total Substitute. Nom. ICAP:	244
										Difference in %:	4%
										Difference in kW:	9
										Zone Check:	MATCH
										Lead Time Check:	MATCH
										Product Check:	PASS
										MW Check:	PASS

- PJM may also request that resource providers submit evidence that notification to respond were sent to substitute registrations in advance or during the event to verify that meter data was not used after the fact in finding the substitutes.
- Non-performing registration(s) will have the event counted for compliance and will not have an obligation to Test.
- Substitute(s) will not have the event counted for compliance and this event will not fulfill their obligation to Test.