



Distributed Resource Wind and Solar Resource Dispatch in F PACKAGE/ PROPOS

#	Design Components	Priority	Status Quo
	RTSCED		Real-Time Security Constrained Economic Dispatch optimizes energy and reserves to dispatch resources in real-time upon case approval by PJM dispatchers on a five-minute basis.
1	Minimum dispatch MW signal	High	RTSCED is limited to dispatching resources based on submitted economic minimum parameter.
2	Maximum dispatch MW signal	High	RTSCED is limited to dispatching resources based on submitted economic maximum parameter.
3	Ramp Rate utilized in RT SCED	High	RTSCED utilizes a submitted ramp rate for all resources, if the resource does not submit a ramp rate, a default ramp rate of 9999 is utilized.
4	Dispatch basepoint calculation (IGD MW)	High	The dispatch basepoint, IGD MW, must be within the submitted bid-in parameters
5	Wind Curtailment Indicator	High	Curtailment Indicator currently set to be retired in July of 2025, resources expected to follow PJM dispatch signal.
6	Solar Curtailment Indicator	High	There is no solar curtailment indicator today.
7	Solar Forecast MW utilization in RT SCED	High	Solar forecast is not utilized in RT SCED.
8	Wind Forecast MW utilization in RT SCED	High	Wind Forecast is used in the ATM logic to determine the band for where a resource is dispatched for internal MW (iMW) calculation.

	ITSCED - **Information Only**		Intermediate Term Security Constrained Economic Dispatch (ITSCED) cases are executed every 5 minutes and solves for 4 intervals into the future. Each case solution provides recommendations for resource commitments for energy and reserves. Basepoints from ITSCED are not sent to resources.
9	Minimum dispatch MW signal	High	ITSCED is limited to dispatching resources based on submitted economic minimum parameter, unless a Solar forecast is used
10	Maximum dispatch MW signal	High	ITSCED is limited to dispatching resources based on submitted economic maximum parameter, unless a solar forecast is used
11	Ramp Rate utilization in IT SCED	High	ITSCED utilizes a submitted ramp rate for all resources, if the resource does not submit a ramp rate, a default ramp rate of 9999 is utilized.
12	Solar Forecast MW utilization in IT SCED	High	Solar forecast is utilized for sunrise/sunset times.
13	Wind Forecast MW utilization in IT SCED	High	Wind Forecast is not currently utilized in the ITSCED.

Instructions:

1. Copy over design component, priority, and status quo columns from options matrix
2. Complete individual packages in columns by selecting individual component options from the options matrix.

as Subcommittee
Real-time Market Clearing Engines
OSAL MATRIX

Packages				
A	B	C	D	E
Status Quo	Same as Package A			
Effective Ecomax to be the defaulted to PJM Forecasted value unless Market Participant elect to be dispatched based on the Bid-in EcoMax. If so, Effective EcoMax will be based on the bid-in EcoMax.	Same as Package A			
Status Quo	Same as Package A			
Dispatched between EcoMin and Effective EcoMax	Same as Package A			
Status Quo	Retain curtailment indicator for wind resources.			
Status Quo	Create and add new curtailment indicator for solar resources.			
Will be utilized in Effective EcoMax calculation based on the PJM forecasted Value unless Market Participant elects to be dispatched based on bid-in Ecomax.	Same as Package A			
Will be utilized in Effective EcoMax calculation based on the PJM forecasted value unless Market Participant elects to be dispatched based on bid-in Ecomax.	Same as Package A			

Status Quo				
PJM Forecasted value				
Status Quo				
Status Quo				
Utilize Wind Forecast in Effective EcoMax Calculation				

