



DR Fast Start Resources

November 2020 DRS

- Fast start resources are those with a notification time and minimum down time of less than or equal to one hour.
- Fast start capable resources will include shutdown cost in setting LMP (Composite Offer = Incremental Offer + Amortized Shutdown Cost).
- If the CSP inputs shutdown cost, then the CSP should verify the cost with end use customer and have associated documentation on file.
- The CSP must notify PJM of verified Shutdown Cost and provide associated support in order to be used in the Composite Energy Offer > \$1,000/MWh for price formation.
 - CSP can check which hourly composite offers exceed \$1000 on Composite Offer Verification tab, which becomes available instantly after offers are placed on Hourly Updates tab.
- Column called “Shutdown cost valid” on Composite Offer Verification tab indicated whether shutdown cost entered is verified by PJM (yes is verified). Only offers with “verified = yes” will be used in setting LMP. If “verified = no” then shutdown cost will not be included in setting LMP.
- Offer verification process for incremental offers >\$1000 remains unchanged.

For example, CSP verifies shutdown cost of \$200 with the customer and notifies PJM.

HE 13: CSP entered shutdown cost \$1200 and incremental offer \$26 for 1MW. Composite offer >\$1000, Shutdown cost >\$200 – not valid. Offer is not used to set LMP

HE 16: CSP entered shutdown cost \$300 and incremental offer \$900 for 1MW. Composite offer >\$1000, Shutdown cost >\$200 – not valid. Offer is not used to set LMP

HE 17: CSP entered shutdown cost \$100 and incremental offer \$950 for 1MW. Composite offer >\$1000, Shutdown cost <\$200 – valid. Offer \$1,050 is used to set LMP

Market Day

Portfolio

Offer Curve Manager

Offers

Offer Updates

Parameters

Schedule Selection

Hourly Updates

Composite Offer Verification

Hour	Location	Schedule	Calculated Composite Offer	Shutdown Cost Valid	Shutdown Cost	Incremental Offer At Economic Maximum	Economic Maximum	Minimum Downtime	Notification Time
Show all			Show all	Show All	Show all	Show all	Show all	Show all	Show
13		Sced2 (2)	1226.36	No	1200	26.36	1	1	
16		Sced2 (2)	1200	No	300	900	1	1	
17		Sced2 (2)	1050	Yes	100	950	1	1	

\$1050 will be used in setting LMP