Economic DR Parameters

DISRS

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July 17, 2023

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Current Economic DR Parameters

- Two timing related operating parameters are currently being used by market clearing engine (MCE) to clear/dispatch an Economic Demand Response (DR) resource in the Energy Market
  - Notification time : amount of time required prior to full implementation of load reduction
  - Minimum down time : amount of time required after DR is dispatched before it can be released
- Daily values can be specified for both parameters for use in the Day-ahead and Real-time Markets. Hourly differentiated values for both parameters can also be specified but are only for use during the Real-time commitment and dispatch.
- DR is dispatched when projected LMP > bid price, subject to parameter constraints and released otherwise:
  - DR resource can be dispatched multiple times per day (no minimum time between dispatches).
  - If DR resource has been curtailed and released during a market day, then “Notification Time” will be enforced for the next curtailment during the same market day.
- “Notification time” and “Minimum down time” from Demand Response are similar to Generator’s “Cold/Warm/Hot Notification Time” and “Minimum Run Time” respectively

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Current Economic DR Parameters - continued

- DA - Hourly Availability for operating day may be updated prior to close of DA offer window
- RT – During the operating day and 65 minutes in advance of each hour, the CSP may update their availability status
- Availability status = unavailable. This indicates hour should not be cleared in DA market or dispatched in the RT market

Offers <=$1,000 are “price based” energy offers.
“Cost based” offers are only required for offers > $1,000 (none have been submitted to date)

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Economic DR Parameters

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