

# Start-Up Offer and MGBRT Treatment at Beginning of EDAC Day

EDAC (SE-21) Operation Design Working Group  
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- Defines which generators are in operation in HE24 of the day prior to EDAC day
- Based on the outcome of the most recent pre-dispatch DSO run for the day prior to EDAC day
- Used by the calculation engine to process the generator's start up offers in determining the schedule for HE1 of EDAC day

- Start-up offers **are not considered** for generators that **are in operation** in HE24 in determining the schedule for HE1 of EDAC day
- Start-up offers **are considered** for generators that **are not in operation** in HE24 in determining the schedule for HE1 of EDAC day

PD HE24 Day 0	EDAC Schedule HE24 Day 0	EDAC Commitment HE24 Day 0 (Contract Manager)	Generator Initial Status	Start-Up Offer Treatment HE1 Day 1	Comments
ON	ON	YES	ON	NOT CONSIDERED	Non-quick start generators that have been committed in Day 0 based on an EDAC run in Day -1
ON	ON	NO	ON	NOT CONSIDERED	All generators except non-quick start generators (i.e., generator is not eligible for DA-PCG)
ON	OFF	NO	ON	NOT CONSIDERED	Generators that weren't economic in HE 24 of EDAC Day -1 run but became economic in PD Day 0 Reflects any operational changes (outages, unplanned unit starts) that occurred after EDAC Day -1 has been completed
ON	OFF	YES	Not a possible combination, i.e., cannot have a constraint in Contract Manager due to EDAC if there is no EDAC schedule		
OFF	ON	YES	OFF	CONSIDERED	E.g., a generator that was forced out after EDAC Day -1 has been completed and constrained-on data in Contract Manager function was not removed at the time of the initialization
OFF	ON	NO	OFF	CONSIDERED	All generators except <b>non-quick start generators</b> (i.e., generators not eligible for DA-PCG) The generator is either not economic in PD or is out of service (FO, SNPO)
OFF	OFF	NO	OFF	CONSIDERED	Generators that weren't economic in HE24 of EDAC Day -1 run and in PD Day 0
OFF	OFF	YES	Not a possible combination, i.e., cannot have a constraint in Contract Manager due to EDAC if there is no EDAC schedule		

- A generator will have its MGBRT honoured across midnight if:
  1. A non-quick start generator; **and**
  2. In operation in HE24 of Day 0 as determined by the most recent pre-dispatch DSO run for Day 0; **and**
  3. Has been constrained-on in HE24 of Day 0 as determined by the EDAC Day -1 run for Day 0; **and**
  4. Has valid offers for all the hours required to satisfy its MGBRT in EDAC Day 1

- If the generator is in operation in HE24 of Day 0 the engine will be initialized with the number of consecutive hours the generator has been in operation at the end of Day 0
- Based on the initial hours in operation, the engine will commit the generator at the beginning of EDAC Day 1 for a minimum number of hours to satisfy its MGBRT
  - the **most recent MLP and MGBRT** (i.e., EDAC Day 1) daily generator data will be used to commit the generator at the beginning of EDAC day

Pre-Dispatch HE24 in Day 0  Generator Status	EDAC Schedule HE24 in Day 0 (from EDAC Day -1 run) Generator Status	Contract Manager HE24 Day 0 (from EDAC Day -1) Generator Constrain-ON	Set Status (based on A+C) Generator Initial Status Prior to HE1 Day 1	Calculation Engine (based on D) Consider Start-Up Offer For HE1 Day 1	Calculation Engine (based on C+D) Satisfy MGBRT Across Midnight
A	B	C	D	E	F
ON = in operation OFF = not in operation	ON = in operation OFF = not in operation	YES = constrain-ON in CM NO = no constraint in CM	ON = in operation OFF = not in operation	YES = start-up offer is considered NO = start-up offer is not considered	YES = MGBRT is satisfied NO = MGBRT is not satisfied
1 ON	ON	YES	ON	NO	YES
2 ON	ON	NO	ON	NO	NO
3 ON	OFF	NO	ON	NO	NO
4 OFF	ON	YES	OFF	YES	NO
5 OFF	ON	NO	OFF	YES	NO
6 OFF	OFF	NO	OFF	YES	NO
INPUT DATA			CALCULATED VALUE	TREATMENT BY EDAC CALCULATION ENGINE	

**Note:** All Generators that have their Initial Status ON will also be initialized with their schedule in HE24 of Day 0 as determined by the most recent pre-dispatch DSO run for Day 0. The engine will use this schedule to ensure the generator's hourly ramp rate is respected for the first hour of the EDAC Day 1, i.e., HE1.