

## PJM eDART Black Start Calculator

eDART Transmission Companies

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- Enhance visibility/awareness of current and future Black Start and Critical Loads
- Enhance tracking and completion of required items prior to new units coming in service or retiring or terminating Black Start service.
- Minimize rework by using the same baseline data across PJM/GO/TO.
- Reduce reliance on email as documentation between PJM/GO/TO.



#### **Process Overview for Transmission Owners**

#### PJM initiates review

- Member Deadline Date is set.
- Black Start
   Calculator button
   turns red on TO
   interface.

# TO can indicate that an SOS exception will be requested

- TO can also remove previously indicated SOS exception requests.
- Check TO
   Update checkbox
   before
   submitting.

# TO communicates with PJM for SOS exception requests.

- PJM enters
   Official Ready
   Date.
- TO can view updated data in Official Report



## **Transmission Owner**

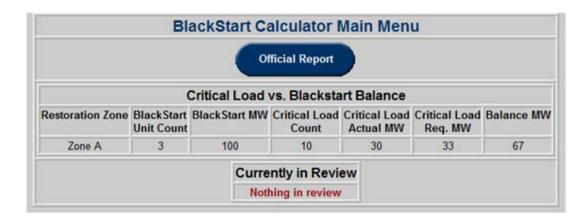




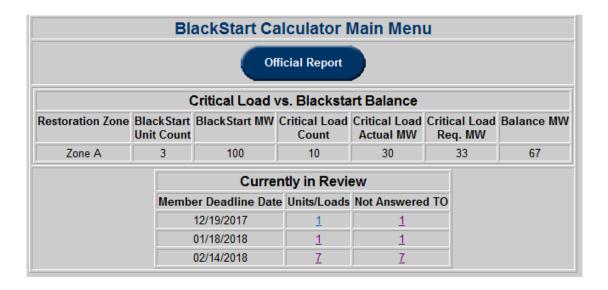


## TO Black Start Calculator - Main Menu

#### No Action Required



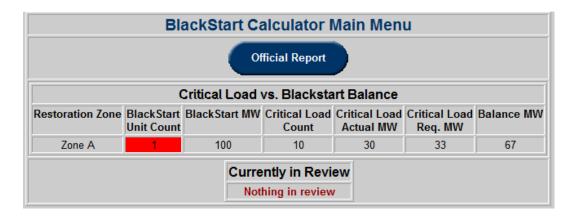
#### **Action Required**



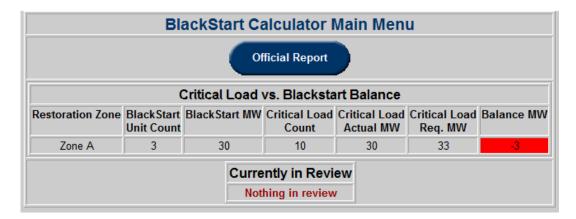


## TO Black Start Calculator - Main Menu

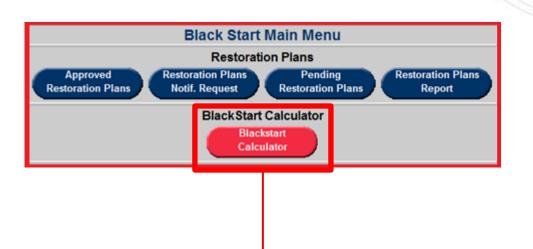
#### **Unit Warning**

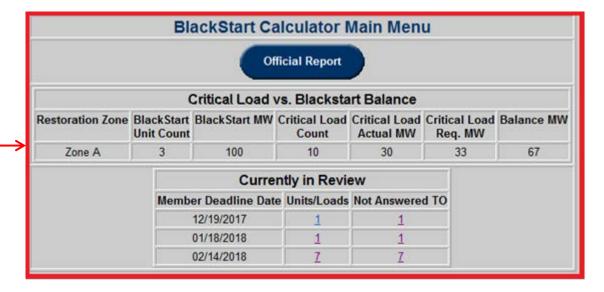


#### **Balance Warning**



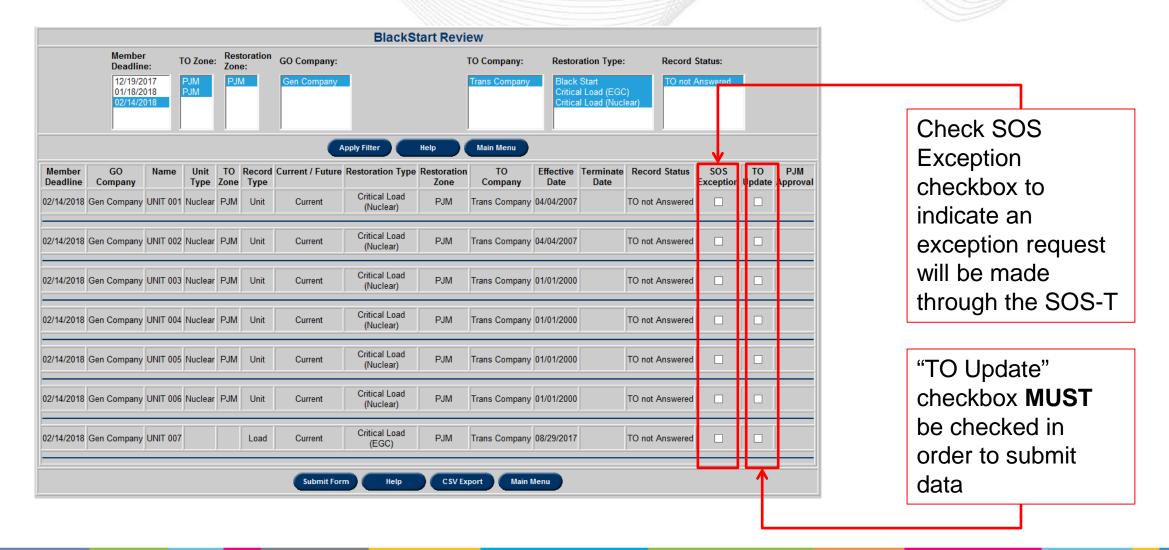








## TO Black Start Calculator – Black Start Review



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## TO Black Start Calculator - Black Start Review

	Α	В	С	D	Е	F	G	Н	1	J	K	L	M	N	0
1	Member Deadline	GO Company	Name	Unit Type	TO Zone	Record Ty	Restoration	Restoration Type	Restoration Zone	TO Company	Restoration Effective Date	Restoration Terminate Date	Restorati	ration SOS Exception	
2	2/14/2018	Gen Company	UNIT 001	Nuclear	PJM	Unit	Current	Critical Load (Nuclear)	PJM	Trans Company	4/4/2007		No		
3	2/14/2018	Gen Company	UNIT 002	Nuclear	PJM	Unit	Current	Critical Load (Nuclear)	PJM	Trans Company	4/4/2007		No		
4	2/14/2018	Gen Company	<b>UNIT 003</b>	Nuclear	PJM	Unit	Current	Critical Load (Nuclear)	PJM	Trans Company	1/1/2000		Yes		
5	2/14/2018	Gen Company	<b>UNIT 004</b>	Nuclear	PJM	Unit	Current	Critical Load (Nuclear)	PJM	Trans Company	1/1/2000		No		
6	2/14/2018	Gen Company	<b>UNIT 005</b>	Nuclear	PJM	Unit	Current	Critical Load (Nuclear)	PJM	Trans Company	1/1/2000		No		
7	2/14/2018	Gen Company	<b>UNIT 006</b>	Nuclear	PJM	Unit	Current	Critical Load (Nuclear)	PJM	Trans Company	1/1/2000		No		
8	2/14/2018	Gen Company	<b>UNIT 007</b>		PJM	Load	Current	Critical Load (EGC)	PJM	Trans Company	8/29/2017		No		

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## TO Black Start Calculator - Official Report



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# TO Black Start Calculator - Official Report

	Α	В	С	D	Е	F	G	Н	T.	J	K	L	M	N	0	Р
1	GO Company	Name	Unit Type	TO Zone	Record Ty	Total Start	Total Star	Restoration	Restorati	Restorati	TO Company	Allocated	Restoration Effective Date	Restoration	n Termina	te Date
2	Gen Company 1	UNIT ABC	Combusti	PJM1	Unit			Current	Black Star	PJM1	Trans Company A	200	11/1/2017			
3	Gen Company 1	UNIT ABC	Combusti	PJM1	Unit			Current	Black Star	PJM2	Trans Company B	150	12/1/2017			
4	Gen Company 2	UNIT 123	Hydro	PJM2	Unit			Current	Black Star	PJM2	Trans Company B	150	12/12/2017			
5	Gen Company 2	UNIT 001			Load	10	5	Current	Critical Lo	PJM2	Trans Company B	10	8/29/2017			
6	Gen Company 3	UNIT 001			Load	10	5	Future	Critical Lo	PJM3	Trans Company C	10	3/18/2018			

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# Black Start Help File

