



# PJM 2023 RTO Wide Black Start RFP Level 1 Response

## PROPOSAL TYPE:

Black Start Resource Proposal Type (Only check one)	
<input type="checkbox"/>	Existing PJM Black Start Resource
<input type="checkbox"/>	Existing resource not providing PJM Black Start Service
<input type="checkbox"/>	Future resource in PJM interconnection queue

Fuel Assurance Proposal (Check any that apply)	
<input type="checkbox"/>	Fuel Assured - No Capital Investments Required
<input type="checkbox"/>	Fuel Assured - Capital Investments Required
<input type="checkbox"/>	Non-Fuel Assured Black Start Service

## GENERAL:

Company Name: \_\_\_\_\_

Unit Name: \_\_\_\_\_

Unit Address: \_\_\_\_\_  
\_\_\_\_\_

Unit Market ID: \_\_\_\_\_

Unit ICAP: \_\_\_\_\_

Type of Unit (CT, CC, Steam, Intermittent, solar/battery hybrid, storage etc.):  
\_\_\_\_\_

Interconnection Voltage Level: \_\_\_\_\_

Interconnected Swyd Name: \_\_\_\_\_

TO Zone (if known): \_\_\_\_\_

Contact Name: \_\_\_\_\_

Contact Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Email: \_\_\_\_\_

Contact Phone: \_\_\_\_\_

## FUEL ASSURANCE INFORMATION: (See Note Below)

Primary Fuel: \_\_\_\_\_

Secondary Fuel (if applicable): \_\_\_\_\_

Is a different start-up fuel required for the BS unit for either primary or secondary fuels (e.g ignitor gas, if applicable)?

YES    NO    If YES, provide details \_\_\_\_\_

For gas fired units (check if applicable):

Single pipeline connection

Provide information on gas contract arrangements (e.g. firm transportation, etc.): \_\_\_\_\_

Can operate independently on 2 or more interstate pipelines.

Is directly connected to a natural gas gathering system.

For oil fired units, is there oil storage on site (min. 16hrs)?	YES	NO
For storage units (battery, pumped storage) can 16hrs of fuel be stored?	YES	NO
For pumped storage units can 16hrs of fuel be held back for restoration events?	YES	NO

For intermittent or hybrid resources, PJM will evaluate to confirm unit is capable of providing 16 hours of full load operation with 90% confidence.

**OPERATIONAL INFORMATION:**

Proposed black start MW: \_\_\_\_\_

Unit minimum load (under current air permit): \_\_\_\_\_

Emission limitations for operation below minimum (e.g., start-up time to reach air permit compliance): \_\_\_\_\_

Are you able to obtain a permit modification or waiver to operate at levels below minimum load during an emergency event?

YES NO

**For Combined Cycle (CC) Units Only**

Simple Cycle available? YES NO

Steam bypass available? YES NO

Percent of CT Output allowed by steam bypass: \_\_\_\_\_

Duration limitation (1hr / 2hr / 3hr) \_\_\_\_\_

Note: Fuel Assured Black Start Units must be capable of running 16 hours or more during a restoration event. Fuel assurance is achieved by either:

- a. storing at least 16 hours of fuel on site,
- b. can operate independently on 2 or more interstate pipelines,
- c. being directly connected to a natural gas gathering facility,
- d. or has been evaluated by PJM to be capable of providing 16 hours of full load operation with 90% confidence,
- e. and meets all other requirements for Black Start Units.

Please send all 2023 RTO Wide Black Start RFP Level 1 Responses to [BlackStart@pjm.com](mailto:BlackStart@pjm.com)