



Fuel Security Initiative June Survey Questions

This survey was sent to PJM Generation Owners on June 6th, 2018 based on the fuel types of the units to collect data to be used in the ongoing PJM Fuel Security Initiative study and analysis.

Hydro Unit Questions

1. Does this unit have any water storage capabilities?
2. Assuming maximum water storage level and zero inflow, how many hours can the unit(s) run at EcoMax? If water storage is shared by multiple units, answer should be for all the units running at EcoMax, otherwise, answer for just the unit.
3. How long does it typically take to refill water storage to typical winter (Dec. 1 to Mar. 1) storage levels from minimum storage level and assuming the unit is not running?

Natural Gas Questions

4. Please select any pipeline(s) that serve this unit that have Primary Firm contracts for the entire path from the receipt point to the delivery point during the winter season (Dec. 1 - Mar. 1).
5. What is the minimum pipeline pressure required to maintain full unit output?
6. What is the minimum pipeline pressure required to maintain unit operation?
7. Relative to your experiences during the 2017-2018 winter operations during the cold period from late December through early January, please identify the most significant issue(s) or concern(s) that were experienced at your facility relative to fuel deliveries.
8. If the unit is served by multiple pipelines, can the unit switch from the operating pipeline(s) to the alternate pipeline(s) without coming offline?
9. Are there any other fuel issues/concerns you think PJM should know about?

Oil Questions

10. What is the starting winter season (Dec. 1 to Mar. 1) inventory target for onsite fuel storage?
11. What events (inventory levels, temperature, forecasted operation, etc.) trigger you to top off or replenish your onsite fuel inventory?



12. Relative to your experiences during the 2017-2018 winter operations during the cold period from late December through early January, what is the probability of unit(s) successfully receiving fuel delivery in a timely manner factoring in external factors?
13. Relative to your experiences during the 2017-2018 winter operations during the cold period from late December through early January, please elaborate on any fuel delivery issues experienced
14. How much fuel is consumed per hour while operating the unit at EcoMin?
15. How much fuel is consumed during a cold start of this unit?
16. Have there been any changes to your emissions limitations, specifically regarding runtime on oil, in the last 12 months?
17. Are there any other fuel supply or resupply issues/concerns you think PJM should know about?

Coal Questions

18. What is the winter season inventory target for onsite fuel storage?
19. What events (inventory levels, temperature, forecasted operation, etc.) trigger you to replenish your onsite fuel inventory?
20. Relative to your experiences during the 2017-2018 winter operations during the cold period from late December through early January, what is the probability of unit(s) successfully receiving fuel delivery in a timely manner factoring in external factors?
21. Relative to your experiences during the 2017-2018 winter operations during the cold period from late December through early January, please elaborate on any fuel delivery issues experienced.
22. Please elaborate on any measures taken, if any, to protect the unit's coal pile from the effects of weather to prevent coal quality issues.
23. Are there any other fuel supply or resupply issues/concerns you think PJM should know about?