Generator Fuel and Emissions Reporting (GFER) CRF

John C. Stevenson III

Senior Gas and Electric Analyst

MIWG

September 10, 2019, NYISO



PRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2017. ALL RIGHTS RESERVED

Agenda

Annual Survey Question Update

- New Questions
 - Fuel Delivery Capacity
 - Max Deliveries per day
 - Delivery lead time
- Clarification and Clerical Modifications
 - Gas Fuel Information section
 - Heat Rate in mmBtu/MWh
 - Dekatherms per unit
 - MWh Equivalent

Weekly Survey Question Update

- New Questions
 - How much inventory was received since your last fuel survey (in MWh)?





©COPYRIGHT NYISO 2017. ALL RIGHTS RESERVED

Annual Survey

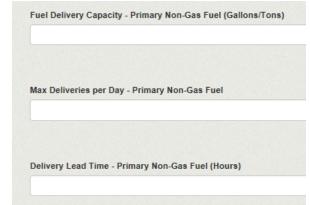
Question Update



DRAFT – FOR DISCUSSION PURPOSES ONLY © COPYRIGHT NYISO 2017. ALL RIGHTS RESERVED.

Annual Survey Question Update

- New Questions Primary and Secondary Non-Gas Fuel Information
 - Fuel Delivery Capacity (Gallons, Tons, etc.)
 - The intent of this question is to define the amount of fuel included in 1 standard delivery
 - Max Deliveries per day (x / day)
 - Based on the physical and/or logistical constraints of how many deliveries can be accepted
 - Delivery lead time (Hours)
 - The average amount of time between ordering fuel and when it is stored onsite
 - It is understood there are many different factors that can impact this metric. Please feel free to elaborate and provide as much detail as necessary in the "Explain" field of the survey





Annual Survey Question Update

Clarification and Clerical Modifications

- Gas Fuel Information section
 - Heat Rate in mmBtu/MWh
 - Data should be entered in mmBtu/MWh units
 - Dekatherms per unit
 - Gas nomination in Dekatherms for generator or fuel group being surveyed (not total transport for the facility, group of units, etc.)
 - MWh Equivalent
 - MWh Equivalent should be expressed in MWs per hour based on using 1/24 equal burn rate of daily transport

5

ipeline	Contract Type	Receipt Point	Delivery Point	Contract Begin	Contract End Date	Dekatherms per	MWh Equivalent	
				Date		unit		
Algonquin						123	456	
								EW YOR DEPEN STEM 0

Weekly Survey

Question Update



DRAFT – FOR DISCUSSION PURPOSES ONLY © COPYRIGHT NYISO 2017. ALL RIGHTS RESERVED.

Weekly Survey Question Update

New Question

- How much inventory was received since your last fuel survey (in MWh)?
 - This informs the NYISO of the total amount of fuel used since the last survey.

How much inventory was received since your last fuel survey (in MWh)?





©COPYRIGHT NYISO 2017. ALL RIGHTS RESERVED

Additional Industry Information

FERC/NERC South Central Cold Weather Event

- Most recent NERC report focused on Winter Preparation/Cold Weather Readiness
 - <u>https://www.nerc.com/pa/rrm/ea/Documents/South_Central_Cold_Weather_Event_FERC-NERC-Report_20190718.pdf</u>

NERC winterization checklist/guideline

- NERC Reliability Guideline incorporating industry best practices on generating unit Winter Weather readiness (referenced in the report above). This guideline will be sent out with the annual survey to all generator owners for reference.
 - <u>https://www.nerc.com/comm/OC/Reliability%20Guideline%20DL/Generating_Unit_Winter_Weather_Rea</u> <u>diness_final.pdf</u>



Questions?



DRAFT – FOR DISCUSSION PURPOSES ONLY © COPYRIGHT NYISO 2017. ALL RIGHTS RESERVED.

The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



www.nyiso.com