ENTERGY LOUISIANA, LLC
LOUISIANA PUBLIC SERVICE COMMISSION
UNDOCKETED WINTER STORM EVENT

Response of: Entergy Louisiana, LLC
to the First Set of Data Requests
of Requesting Party: Louisiana Public Service Commission

Question No.: LPSC 1-17 Part No.: Addendum:

Question:

Please describe any factors that limited the ability to import fuel to serve load and quantify the level of imports that were limited.

Response:

For ELL-owned units fueled by natural gas and located in southern Louisiana, the Company was able to procure sufficient volumes of fuel to meet MISO's dispatch instructions during the Winter Storm event.[1] However, ELL-owned units located further North, such as Perryville 2 in northern Louisiana and Union 3 & 4 in Arkansas, the Company encountered issues procuring sufficient volumes to operate certain units continuously during the Winter Storm event. Limitations in fuel availability for these units were primarily driven by production cuts and pipeline disruptions due to freeze offs, except for Perryville 2, which experienced limitations due to the Midcontinent Independent System Operator, Inc. ("MISO") extending the unit's run schedule after the gas nomination deadlines had passed.

Data reviewed by Company personnel[2] indicates that, during the Winter Storm event, total U.S. natural gas production loss was over 20 bcf/d, approximately 20+% of daily production, at its peak. In the Texas, Oklahoma and Louisiana areas, production was down by over 16 bcf/d, approximately 45+% of total daily production. Texas, Louisiana and Oklahoma represented approximately 80% of the U.S. production decline during the event. According to S&P Global Platts Gas Daily, 2/17/21, it was the largest weekly decline of U.S. natural gas production since Hurricane Ike in 2008. These losses significantly impacted fuel availability in ELL's service area. ELL worked with the Louisiana Governor's Office and Louisiana Department of Natural Resources to issue a natural gas curtailment allocation order for natural gas suppliers and transportation providers to prioritize intrastate natural gas volumes for power generation and other essential service providers. While the order would have allowed curtailments of other intrastate gas deliveries, ELL is unaware of any such curtailments that were required for ELL to secure volumes for its power generation facilities to meet MISO's dispatch instructions in the South Louisiana area.

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[1] This includes Lake Charles Power Station, Calcasieu Generating and units in Amite South (such as Little Gypsy 2, Little Gypsy 3, Ninemile 4, Ninemile 5, Waterford 1, Waterford 2, and J. Wayne Leonard Power Station).
[2] The data reviewed was sourced from Energy Information Administration and IHS Markit Pointlogic tool.