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November 24, 2025

CC: MV/LE

LA PUBLIC SERVICE COMM
NOV 25 2025 AM 10:13

Via UPS Delivery

Ms. Krys (Kris) Abel
Business Technology Supervisor
Records and Recording Division
Louisiana Public Service Commission
Galvez Building, 12th Floor
602 North Fifth Street
Baton Rouge, LA 70802

Re: Application of Entergy Louisiana, LLC for Approval of Generation and Transmission Resources Proposed in Connection with Service to a Single Customer in North Louisiana (LPSC Docket No. U-37425)

Dear Ms. Abel:

Enclosed for further handling is an original and three copies of Entergy Louisiana, LLC's Non-Confidential Transient Stability Analysis as required by Order No. U-37425 (08/29/2025), Attachment A, Section V.D. Please retain the original and two copies for your files and return a date-stamped copy to me in the enclosed, self-addressed envelope.

Please note that the filing contains information that is designated Highly Sensitive Protected Material ("HSPM"), which is being provided to you under seal pursuant to the provisions of the LPSC General Order dated August 31, 1992, and Rules 12.1 and 26 of the Commission's Rules of Practices and Procedures. The confidential materials included in the filing consist of competitively sensitive information and customer-specific confidential information. For this reason, this material is confidential and commercially sensitive. The disclosure of the information contained herein would subject not only the Company, but also its customers, to a substantial risk of harm. Furthermore, the Transient Stability Analysis contains "CEII". Accordingly, it is critical that both the confidential and CEII information remain confidential. This information relates to sensitive electric infrastructure information and must also be protected.

Thank you for your assistance with this request. If you have any questions, please feel free to call me.

Sincerely,

D. Skylar Rosenbloom

DSR/lp
Enclosure

cc: Official Service List in this docket (*via electronic mail only*)

LPS

Project Titanium Transient Stability Analysis

The model and dynamic databases representing the [REDACTED] were used for this analysis. The system model incorporated the new Franklin Farms generation, [REDACTED] load, and the associated transmission facilities. The [REDACTED] load was modeled as [REDACTED] which were further divided into separate components: [REDACTED] Stability simulations were performed to evaluate the impact of the Project Titanium data center on the transient behavior of nearby generation and the overall stability of the Entergy system. In accordance with Entergy's criteria, the dynamic stability assessment considered both three-phase faults and single-line-to-ground faults with a stuck breaker. The table below lists all simulated fault cases and corresponding results. For each case, plots are provided showing generator angle, bus voltage, and load MW. Load values are expressed in per unit on a 100 MVA base. The table demonstrates that all fault conditions [REDACTED]

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CERTIFICATE OF SERVICE
LPSC Docket No. U-37425

I, the undersigned counsel, hereby certify that a copy of the above and foregoing has been served on the persons listed below by facsimile, by hand delivery, by electronic mail, or by depositing a copy of same with the United States Postal Service, postage prepaid, addressed as follows:

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New Orleans, Louisiana, this 24th day of September, 2025.



D. Skylar Rosenbloom