

Facilities Study Report

For

Physical Interconnection of

PJM Generation Interconnection Request

Project ID AH1-715

“Linden 138kV & 230kV”

Introduction

This Facilities Study has been prepared in accordance with the PJM Open Access Transmission Tariff, as well as the Application and Studies Agreement between the Project Developer and PJM Interconnection, LLC (PJM or Transmission Provider (TP)). The Transmission Owner (TO) is PSE&G.

This Facility Study was performed to satisfy the Phase 2 Facility Study requirement of the PJM Tariff. The Facility Study is intended to provide scope, cost and schedule estimates for the project as currently defined and approved for Phase 2 study. In the event project changes are made during DP2 that impact this report, updates will be provided as part of the Phase 3 report. Following execution of the project's final agreement, this report will not be updated to account for other changes made as part of the agreements modification clause and instead the scope change process will be followed.

A. Transmission Owner Facilities Study Summary

1. PROJECT DESCRIPTION

The Project Developer (PD) has proposed a natural gas uprate to an existing natural gas Generating Facility located in, Union County, New Jersey with a designated PJM Project ID of AH1-715.

This project is an increase to the existing Z2-002 project, and will share the same Point of Change in Ownership.

The AH1-715 project is a 127.17 MW uprate (149.369 MW Capacity uprate) to the previous project. The total installed facilities will have a capability of 803.17 MW with 803.169 MW of this output being recognized by PJM as Capacity.

2. POINT OF INTERCONNECTION (POI)

The Generating Facility will interconnect with the PSE&G transmission system via a direct connection into the Linden 138kV & Linden 230kV substations.

The proposed generation interconnection is shown on the single line diagram in Attachment #1.

3. POINT OF CHANGE IN OWNERSHIP

There are two Point of Change in Ownerships associated with Linden Generation Station Unit #1. Units 1001 & 1101 are connected to the PSE&G 138KV system. Unit 1201 is connected to the 230kV system.

The 138kV Point of Change in Ownership will be located at the termination of the 138kV conductor dead-end assembly on the Project Developer's A-frame on the line side of the reactors. Fiber communications for the protection of the generator lead line are Transmission Owner Interconnection Facilities owned by PSE&G from Linden Switching Station to the generator switchyard inclusive of the associated relays located at both stations.

The 230kV Point of Change in Ownership will be located at the termination of the 230kV conductor dead-end assembly on the Project Developer's A-frame on the line side of the reactors. Fiber communications for the protection of the generator lead line are Transmission Owner Interconnection Facilities owned by PSE&G from Linden Switching Station to the generator switchyard inclusive of the associated relays located at both stations.

4. SCOPE OF PROJECT DEVELOPER INTERCONNECTION FACILITIES

No modifications to existing Project Developer Interconnection Facilities were identified as part of this study.

B. Transmission Owner Facilities Study Results

The following is a description of the planned Transmission Owner facilities for the physical interconnection of the proposed AH1-715 project to PSE&G's transmission system. These facilities shall be designed according to PSE&G's Applicable Technical Requirements and Standards. Once built, PSE&G will own, operate, and maintain these Facilities.

1. TRANSMISSION OWNER INTERCONNECTION FACILITIES:

No modifications to existing Transmission Owner Interconnection Facilities were identified as part of this study.

2. STAND ALONE NETWORK UPGRADES

No Stand Alone Network Upgrades were identified as part of this study.

3. NETWORK UPGRADES

No Network Upgrades were identified as part of this study.

4. OTHER SCOPE OF WORK

No other scope was identified in the preparation of this study.

5. MILESTONE SCHEDULE FOR COMPLETION OF PSE&G WORK

No PSE&G work was identified in the preparation of this study.

6. ASSUMPTIONS IN DEVELOPING SCOPE/COST/SCHEDULE

- Except as specifically noted in this report, costs related to compliance with FERC, NERC, or other regulatory authority requirements are not included. Where applicable, these costs may include the installation of security cameras, personnel access restrictions, upgraded perimeter gates, or other measures within a station
- The scope of the proposed milestone schedule only includes construction activities for PSE&G. Activities related to the design, procurement, permitting and construction of the generating facility and/or Project Developer Interconnection Facilities are not included and should be considered when developing GIA milestones
- It is assumed that there are no modifications to the Project Developer Interconnection Facilities proposed by the Project Developer.

7. REVENUE METERING REQUIREMENTS

All revenue metering needed for this interconnection project must meet the metering requirements stated in Appendix 2, section 8 of the AH1-715 GIA, and in PJM Manuals M01 and M14D. The details of applicable revenue metering requirements are given in the Interconnection Requirements for Transmission Facilities 69kV and Higher manual posted on PJM website.

The revenue metering will be installed on the Project Developer side of the Point of Change in Ownership will be installed, owned and maintained by Transmission Owner.

8. LAND REQUIREMENTS FOR INTERCONNECTION SUBSTATION

Land requirements for the Interconnection Substation needed for this interconnection project must meet the requirements in PSE&G's "Interconnection Requirements for Transmission Facilities 69kV and Higher" posted on PJM website.

9. APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS

Applicable Technical Requirements and Standard: The Interconnection Requirements for Transmission Facilities 69kV and Higher Rev 5.00 manual dated October 28, 2025 shall apply.

10. ENVIRONMENTAL AND PERMITTING

No environmental or permitting items were identified in the preparation of this study.

C. APPENDICES

Attachment #1: Single line Diagram for the Physical Interconnection

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