PSEG LONG ISLAND LLC

On Behalf of and as Agent for the

LONG ISLAND LIGHTING COMPANY d/b/a LIPA

Southampton to Deerfield Transmission Project

EXHIBIT E-5 — EFFECT ON COMMUNICATIONS

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EXHIBIT E-5: EFFECT ON COMMUNICATIONS

E-5.1 Introduction

The Project[1] is not anticipated to have any adverse effects on television, radio and other communications systems during construction or operation. An analysis of existing communication facilities in the Project area and of the potential effects of the Project on existing communication facilities is provided below.

E-5.2 Existing Communication Facilities

No communication facilities have been identified in the Project ROW. A review of the Federal Communications Commission ("FCC") on-line Antenna Structure Registration Search database[2] reveals a total of 24 registered communication towers located within five miles of the Project ROW. These towers include eleven FM towers, two cellular towers, and eleven microwave towers. No AM towers are located within five miles of the Project.

A summary of the registered towers within five miles of the ROW is presented in Table E-5-1. Figure E-5-1 depicts the locations of the registered towers. The locations of communication facilities will be reconfirmed during the final design of the Project.

E-5.3 Transmission Effects on Communication Facilities

Communication interference generally associated with transmission lines is attributed to gap noise and corona. Underground circuits do not cause these phenomena. Therefore, the Project is expected to have no adverse impact on communications during either construction or operation.

If the Applicant receives any complaints of suspected interference with radio, television, or other communications systems in the surrounding area, the Applicant will resolve any such interference determined to be a result of the proposed Project by implementing mitigation measures, including the repair of any defects, enhanced shielding, and/or working with the communication system owners to relocate impacted communication equipment.

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[1] For clarity and consistency, the Application includes a Master Glossary of Terms that defines terms and acronyms used throughout the Application.

[2] See https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/Antenna_Structure_Registrate_(ASR)/FeatureServer, and https://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp, accessed September 21, 2023.

E-5.4 Mitigation Standards

While the Project is not expected to result in interference to radio, television, or other communications systems, the Applicant will comply with applicable provisions of the NESC related to appropriate spacing between the Project and communication facilities.

During final design of the Project and the development of the EM&CP, the Applicant will contact nearby third-party underground communication facility operators to reconfirm there are no underground communication facilities within or crossed by the Project ROW.

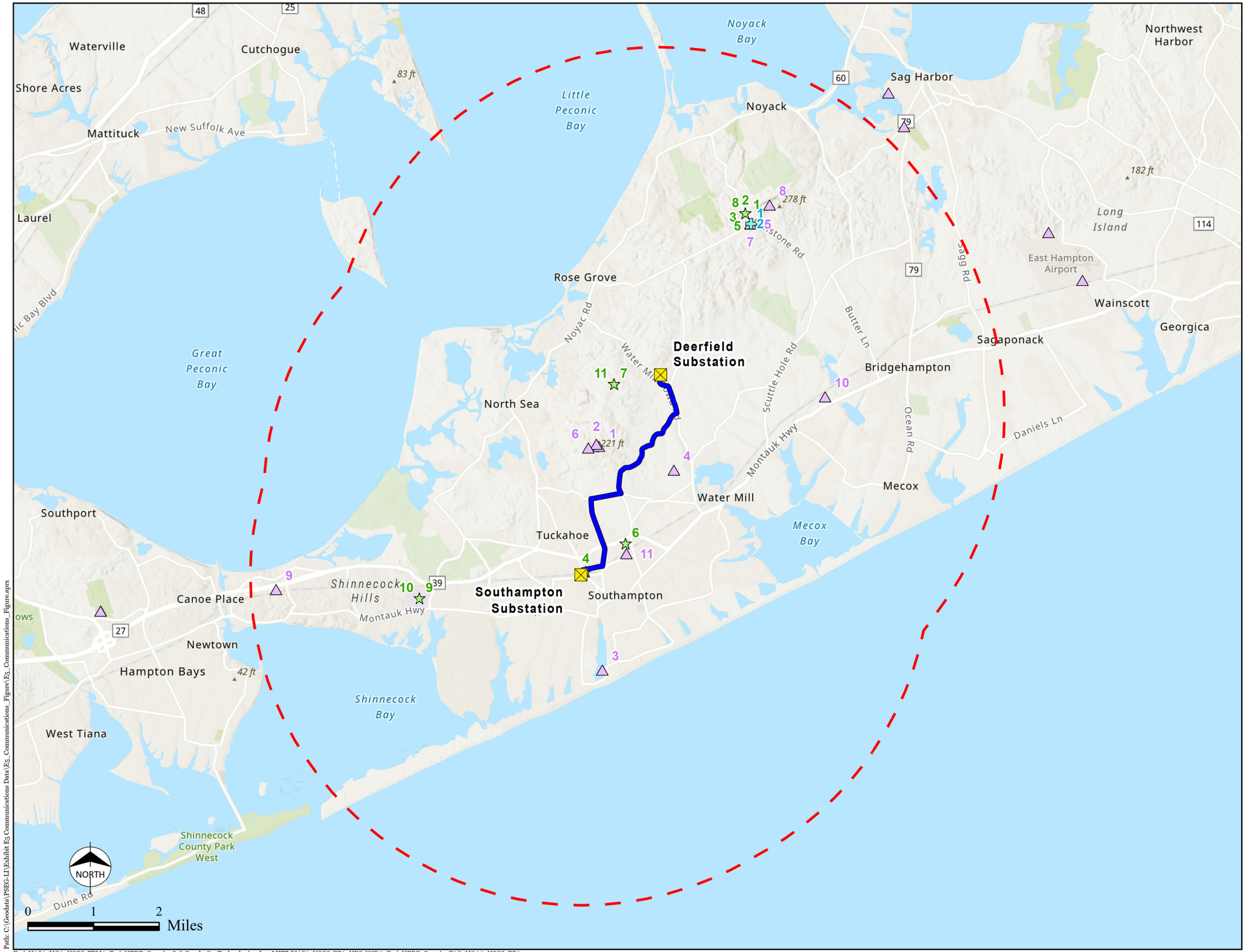
In addition, with the assistance of Dig Safely New York, the Applicant will conduct ground surveys for all existing underground facilities, including communication cables, to ascertain whether there are underground communication facilities within the Project. If underground communication facilities are found within the Project ROW, the Applicant will verify that the locations of the communication facilities are accurately shown on construction drawings and that appropriate clearances and interference protections are verified.

Table E-5-1
Registered Towers within 5 Miles of ROW

Map Label	Licensee/Entity	Call Sign
FM Towers		
1	TOWN OF MONROE, CONNECTICUT	W233AI
2	TOWN OF MONROE, CONNECTICUT	W262AS
3	SACRED HEART UNIVERSITY, INC	W277AB
4	TOWN OF MONROE, CONNECTICUT	W264AJ
5	MAIN STREET BROADCASTING COMPANY, INC	WLNG
6	AAA LICENSING, LLC	WBAZ
7	CONNECTICUT PUBLIC BROADCASTING, INC	WRLI-FM
8	COMMUNITY BIBLE CHURCH	W227AN
9	PECONIC PUBLIC BROADCASTING	WPPB
10	PECONIC PUBLIC BROADCASTING	WPPB
11	COX RADIO, INC	WHFM
Cellular Towers		
1	NEW CINGULAR WIRELESS PCS, LLC	KNKA310
2	AT&T MOBILITY LLC	KNKA310
Microwave Towers		
1	SUFFOLK, COUNTY OF	WEG576
2	SUFFOLK COUNTY WATER AUTHORITY	WNEO292
3	SUFFOLK COUNTY WATER AUTHORITY	WNEZ461
4	LONG ISLAND POWER AUTHORITY	WPOR449
5	SOUTHAMPTON, TOWN OF (POLICE DEPT)	WPXV611
6	AERONAUTICAL RADIO INC	WPVQ648
7	EAST HAMPTON, TOWN OF	WPSF445
8	LONG ISLAND POWER AUTHORITY	WQNQ929
9	SPRINT SPECTRUM L.P.	WQUE849
10	SPRINTCOM. INC.	WRAC819
11	SPRINTCOM. INC.	WRAC820

Figure E-5-1

Effect on Communication



Path: C:\Geodata\PSEG-LI\Exhibit E5 Communications Data\E5_Communications_Figure\E5_Communications_Figure.aprx

Esri, NASA, NGA, USGS, FEMA, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

LEGEND

- Existing Substation
- Proposed Route
- 5-Mile Buffer of Proposed Route
- Cellular Tower
- AM Transmission Tower
- FM Transmission Tower
- Microwave Service Tower

Sources:
1. Proposed Route prepared by Burns & McDonnell, July 2023.
2. HIFLD, FM/AM/Cellular/Microwave Towers, 2021
3. Esri Topographic Basemap, 2023

PROJECT TITLE

PSEG LONG ISLAND

Southampton to Deerfield
Transmission Project
Article VII Application

SHEET TITLE

EFFECT ON COMMUNICATION

DATE	9/26/2023
DRN. BY	KC
CHK. BY	SH
FIGURE NO.	E-5-1

BURNS McDONNELL

PRELIMINARY - NOT FOR CONSTRUCTION