

**PSEG LONG ISLAND LLC**  
**On Behalf of and as Agent for the**  
**LONG ISLAND LIGHTING COMPANY d/b/a LIPA**

**Syosset to Oakwood Project**

**EXHIBIT E-5**  
**EFFECT ON COMMUNICATIONS**

## **Exhibit E-5            Effect on Communications**

### **E-5.1    Introduction**

The construction and operation of the Project<sup>1</sup> is not anticipated to have any adverse effects on television, radio and other communications systems. An analysis of existing communication facilities in the vicinity of the Project and of the potential effects of the Project on existing communication facilities is provided below.

### **E-5.2    Existing Communication Facilities**

One communication facility has been identified along the Project ROW. It is a LIPA-owned microwave utility pole in the Town of Huntington on West Pulaski Road. The structure is approximately 13.7 meters tall and its call sign is WRBP904.

A review of the Homeland Infrastructure Foundation-Level Data provided by the United States Department of Homeland Security database reveals a total of 87 registered communication towers located within five miles of the Project. These towers include two cellular towers and 79 microwave towers. The remaining six towers are those identified as FCC-registered antennas. A summary of the towers is presented in Table E-5-1 Registered Towers Within Five Miles of the Project. Figure E-5-1 Effect on Communications depicts the locations of the registered towers. Because some groups of towers maintain the same registration number and/or call sign and some may overlap on Figure E-5-1, the number of registered communications towers is different than the number of locations depicted.

<b>Table E-5-1 Registered Towers Within Five Miles of the Project</b>				
<b>Cellular Towers</b>				
<b>Licensee/Entity</b>	<b>Registration Number</b>	<b>Call Sign</b>	<b>Latitude</b>	<b>Longitude</b>
NEW CINGULAR WIRELESS PCS, LLC	N/A	KNKA310	40.876111	-73.370583
New York SMSA Limited Partnership	N/A	KNKA206	40.860389	-73.424
<b>Microwave Towers</b>				
<b>Licensee/Entity</b>	<b>Registration Number</b>	<b>Call Sign</b>	<b>Latitude</b>	<b>Longitude</b>
NBC TELEMUNDO LICENSE LLC	954597	KA20003	40.788611	-73.451944
CBS BROADCASTING INC.	955993	KB55010	40.796667	-73.461667
Keyspan Corp. dba Keyspan Energy	958472	KEH29	40.827028	-73.478722
Keyspan Corp. dba Keyspan Energy	958474	KEH32	40.827028	-73.478722
SUFFOLK, COUNTY OF	975757	WEG578	40.801861	-73.433722
SUFFOLK, COUNTY OF	975758	WEG579	40.801861	-73.433722

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<sup>1</sup> For clarity and consistency, the Application includes a Glossary that defines terms and acronyms used throughout the Application.

SUFFOLK, COUNTY OF	975758	WEG579	40.835083	-73.363722
SUFFOLK, COUNTY OF	975758	WEG579	40.830111	-73.354
NBC TELEMUNDO LICENSE LLC	985001	WHS741	40.786472	-73.414
FOX TELEVISION STATIONS, LLC	992112	WLI628	40.796667	-73.461667
SYOSSET CENTRAL SCHOOL DISTRICT	997174	WLQ207	40.830083	-73.482056
PLAINVIEW-OLD BETHPAGE SCHOOL DISTRICT	997175	WLQ208	40.781472	-73.459556
CRN Wireless LLC	1012762	WNEO393	40.79675	-73.461778
CRN Wireless LLC	1012763	WNEO394	40.79675	-73.461778
CRN Wireless LLC	1012763	WNEO394	40.811472	-73.349556
MTA-Long Island Railroad	1012815	WNEO505	40.799528	-73.468444
MTA- Long Island Rail Road	1012818	WNEO508	40.799528	-73.468444
SUFFOLK, COUNTY OF	1012919	WNEO661	40.835083	-73.363722
SUFFOLK, COUNTY OF	1012919	WNEO661	40.801861	-73.433722
SUFFOLK, COUNTY OF	1012919	WNEO661	40.830111	-73.354
SUFFOLK COUNTY WATER AUTHORITY	1018387	WNEZ459	40.801472	-73.433444
Nassau County Police Department	1023117	WNTK321	40.855917	-73.523167
NBC Telemundo License LLC	1025058	WNTN289	40.788694	-73.452056
Nassau County Police Department	1042024	WPNG235	40.855917	-73.523167
SUFFOLK, COUNTY OF	1050605	WPOT743	40.801861	-73.433722
SUFFOLK, COUNTY OF	1053752	WNTD938	40.801861	-73.433722
South Huntington Water Dist	1100029	WPQR965	40.808444	-73.407889
WNET	2545865	WPYL848	40.788722	-73.452056
WNET	2547717	WPYN266	40.788611	-73.451944
Greenlawn Water District	2792059	WQEN298	40.858611	-73.362806
NASSAU COUNTY POLICE DEPARTMENT	3081618	WQJZ681	40.801861	-73.433722
NASSAU COUNTY POLICE DEPARTMENT	3081629	WQJZ692	40.857472	-73.514806
NASSAU COUNTY POLICE DEPARTMENT	3081629	WQJZ692	40.801861	-73.433722
NASSAU COUNTY POLICE DEPARTMENT	3081630	WQJZ693	40.81225	-73.486028
NASSAU COUNTY POLICE DEPARTMENT	3081630	WQJZ693	40.82175	-73.479722
NASSAU COUNTY POLICE DEPARTMENT	3081637	WQJZ700	40.798806	-73.511194
NASSAU COUNTY POLICE DEPARTMENT	3081639	WQJZ702	40.82175	-73.479722
NASSAU COUNTY POLICE DEPARTMENT	3081662	WQJZ725	40.798806	-73.511194
NASSAU COUNTY POLICE DEPARTMENT	3081749	WQJZ760	40.801861	-73.43375
NASSAU COUNTY POLICE DEPARTMENT	3081749	WQJZ760	40.801861	-73.433722
Nassau County Police Department	3249490	WQNA998	40.82175	-73.479722

Nassau County Police Department	3249490	WQNA998	40.81225	-73.486028
Nassau County Police Department	3249490	WQNA998	40.857472	-73.514806
Nassau County Police Department	3249492	WQNA999	40.857472	-73.514806
Nassau County Police Department	3249492	WQNA999	40.82175	-73.479722
SUFFOLK, COUNTY OF	3253877	WQNC825	40.801861	-73.433722
NORCOM COMMUNICATIONS CORP.	3364506	WQPB540	40.796667	-73.461667
NORCOM COMMUNICATIONS CORP.	3364506	WQPB540	40.796694	-73.463139
NORCOM COMMUNICATIONS CORP.	3364507	WQPB541	40.796694	-73.463139
Weblin Holdings LLC	3386309	WQPK729	40.796694	-73.463139
Weblin Holdings LLC	3386310	WQPK730	40.796694	-73.463139
Weblin Holdings LLC	3386315	WQPK735	40.796694	-73.463139
LONG ISLAND POWER AUTHORITY	3552463	WQTE343	40.8515	-73.4825
LONG ISLAND POWER AUTHORITY	3555590	WQTF828	40.877306	-73.50425
NORCOM COMMUNICATIONS CORP.	3586796	WQTV812	40.796694	-73.463139
WNET	3836925	WQYB252	40.788611	-73.451944
WNET	3924521	WQZI699	40.788722	-73.452056
Pierce Broadband, LLC	3972486	WRAG356	40.775611	-73.441667
LONG ISLAND POWER AUTHORITY	4040105	WRBM598	40.761972	-73.492472
LONG ISLAND POWER AUTHORITY	4046545	WRBP878	40.853167	-73.469333
LONG ISLAND POWER AUTHORITY	4046596	WRBP904	40.843167	-73.444806
LONG ISLAND POWER AUTHORITY	4054184	WRBS792	40.783556	-73.455
LONG ISLAND POWER AUTHORITY	4074116	WRCB265	40.898694	-73.464556
Centerport Fire District	4482965	WRNP446	40.876111	-73.370583
Centerport Fire District	4482965	WRNP446	40.890111	-73.385167
Centerport Fire District	4482966	WRNP447	40.890111	-73.385167
Centerport Fire District	4482966	WRNP447	40.876111	-73.370583
Plainview Fire District	4547505	WRPE591	40.773778	-73.477694
Plainview Fire District	4547505	WRPE591	40.78075	-73.488639
Plainview Fire District	4547505	WRPE591	40.762167	-73.454389
Plainview Fire District	4547516	WRPE593	40.78075	-73.488639
Plainview Fire District	4547516	WRPE593	40.773778	-73.477694
Plainview Fire District	4547516	WRPE593	40.762167	-73.454389
Plainview Fire District	4547517	WRPE594	40.762167	-73.454389
Plainview Fire District	4547517	WRPE594	40.773778	-73.477694
Plainview Fire District	4547517	WRPE594	40.78075	-73.488639
LONG ISLAND POWER AUTHORITY	4554228	WRPI816	40.822778	-73.34325

Centerport Fire District	4613951	WRTA937	40.876111	-73.370583
Pierce Broadband, LLC	4724390	WRWE975	40.775611	-73.441667
<b>FCC Antenna Registration Database</b>				
WNET	112202	N/A	40.788722	-73.452056
WIN Radio Broadcasting Corp.	2610585	N/A	40.852194	-73.438639
WIN Radio Broadcasting Corp.	2610586	N/A	40.85175	-73.437611
WIN Radio Broadcasting Corp.	2610587	N/A	40.851194	-73.436639
Huntington Hospital Northwell Health	2727095	N/A	40.879583	-73.416167
WIN Radio Broadcasting Corp.	2610588	N/A	40.850556	-73.43575
(a) FCC. October 2024. Antenna Structure Registration. Available online at: <a href="https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/asr/FeatureServer">https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/asr/FeatureServer</a> . (b) FCC. October 2024. Cellular Service Towers. Available online at: <a href="https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/Cellular_Towers_New/FeatureServer">https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/Cellular_Towers_New/FeatureServer</a> . (c) FCC. October 2024. Microwave Service Towers. Available online at: <a href="https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/Microwave_Service_Towers_New/FeatureServer">https://services1.arcgis.com/Hp6G80Pky0om7QvQ/arcgis/rest/services/Microwave_Service_Towers_New/FeatureServer</a> .				

### E-5.3 Transmission Effects on Communication Facilities

Communication interference associated with transmission lines is typically attributed to gap noise and corona. Underground circuits do not cause these phenomena and the overhead portion of the Project is limited to the Woodbury Tap and Oakwood Substation, areas with existing overhead lines and not located near any communication facility. Therefore, construction and operation of the Project is not expected to adversely impact communications. If the Applicant receives any complaints of suspected interference with radio, television, or other communications systems in the surrounding area, the Applicant will endeavor to 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.

### E-5.4 Mitigation Standards

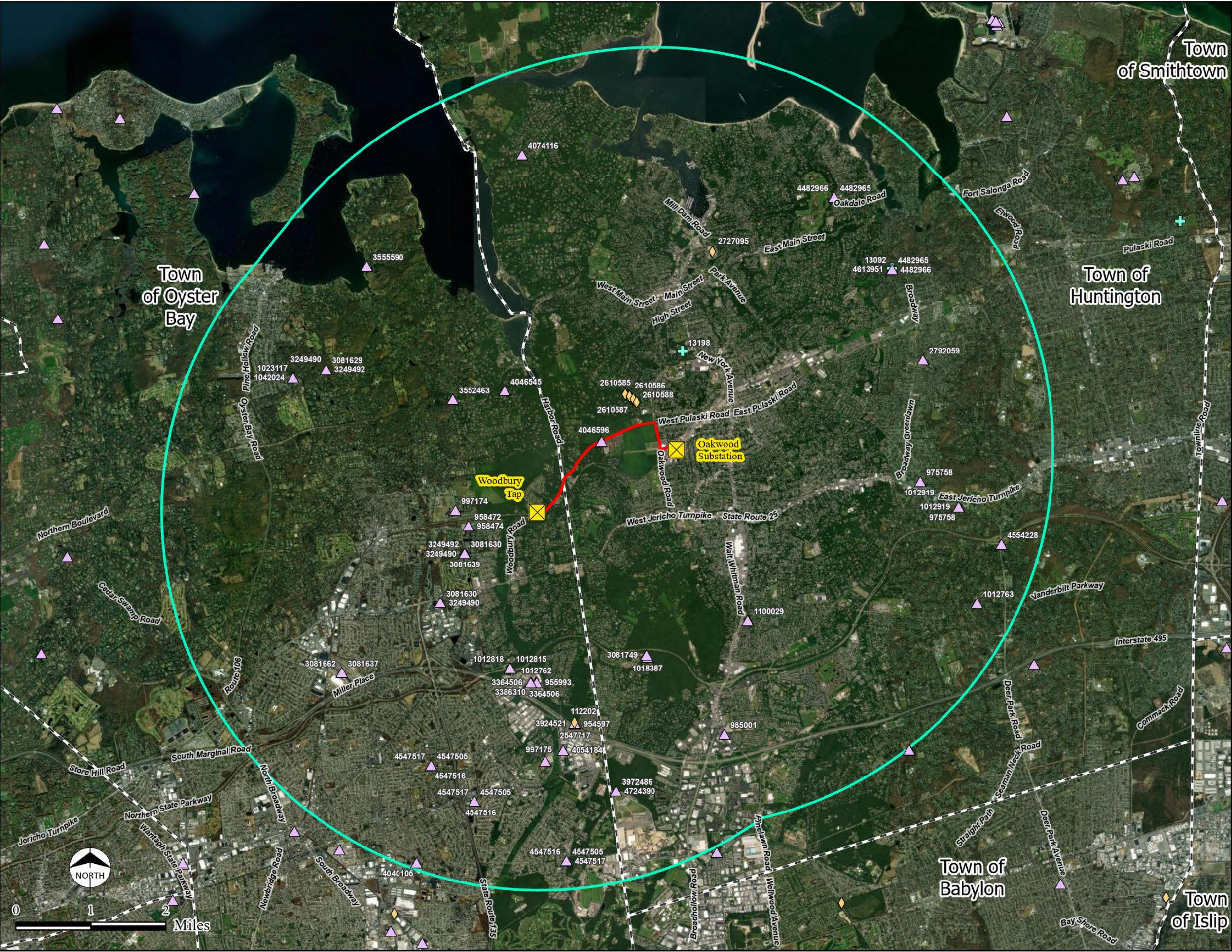
While the Project is not expected to result in interference to radio, television, or other communications systems, the Applicant will comply with applicable provisions of the NESC related to appropriate spacing between the Project and communication facilities.

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.

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 area. If underground communication facilities are found within the Project area, 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.





LEGEND

- Project Tap/Substation
- Proposed Route
- Five Mile Buffer of Proposed Area of Disturbance
- Town Boundary
- Cellular Tower
- Microwave Service Tower
- FCC Antenna Structure

Sources:

- Project details prepared by Burns & McDonnell, January 2025
- HIFLD, FCC Antenna/Cellular/Microwave Towers, Accessed February, 2025
- NYS GIS Data Clearinghouse
- Esri World Imagery

PROJECT TITLE

**PSEG | LONG ISLAND**

Syosset to Oakwood Project

SHEET TITLE

Figure E-5-1  
Effect on Communications

DATE	04/11/2025	
DRN. BY	CR/MK	
CHK. BY	SH	

FIGURE NO. E-5-1

PRELIMINARY - NOT FOR CONSTRUCTION