

**MULTI-PERMIT APPLICATION  
FOR POWER LINE RIGHTS-OF-WAY  
VEGETATIVE AND STRUCTURAL MAINTENANCE**

**FRESHWATER WETLANDS GENERAL PERMIT NO. 1  
COASTAL GENERAL PERMIT NO. 19  
COASTAL WETLANDS PERMIT  
FLOOD HAZARD AREA (5-YR MAINTENANCE) INDIVIDUAL PERMIT  
WATER QUALITY CERTIFICATE**

*Submitted to:*

**New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
Trenton, New Jersey**

*Submitted by:*

**JERSEY CENTRAL POWER AND LIGHT COMPANY**

**DECEMBER 2019**

*Prepared by:*



**PAULUS, SOKOLOWSKI AND SARTOR, LLC  
67B Mountain Boulevard Extension  
Warren, New Jersey 07059**





December 10, 2019  
01520-0168

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Mail Code 501-02A  
Trenton, New Jersey 08625-0420  
Attn: Application Support

Education

Energy Utility

Hospitality

Public Sector

Real Estate

Science & Technology

Re: Jersey Central Power and Light Company  
Multi-Permit Application for Coastal General Permit No. 19, Coastal Wetlands Permit, Freshwater Wetlands General Permit No. 1, Flood Hazard Area Individual Permit, and Water Quality Certificate (five-year maintenance)  
Various Lots and Blocks  
Various Counties and Townships

Dear Application Support:

Jersey Central Power and Light Company (JCP&L) provides electrical service within the northern and central regions of the State of New Jersey within 13 counties and 235 municipalities, a territory encompassing approximately 3,256 square miles. The territory spans all or portions of the following 13 Counties: Burlington; Essex; Hunterdon; Mercer; Middlesex; Monmouth; Morris; Ocean; Passaic; Somerset; Sussex; Union; and Warren. Within this territory JCP&L maintains approximately 14,000 miles (12,000 distribution and 2,000 transmission) of power line corridors or rights-of-way (ROWs) and numerous substations in order to maintain reliable electric service to approximately 1.1 million customers in central and northern New Jersey.

On behalf of JCP&L (the Applicant), Paulus, Sokolowski and Sartor, LLC (PS&S) hereby submits this blanket application to the NJDEP for a Coastal General Permit No. 19, Coastal Wetlands Permit, Freshwater Wetlands General Permit No. 1, Flood Hazard Area Individual Permit, and Water Quality Certificate (five-year maintenance) to conduct normal and emergency vegetative and structural maintenance activities. Normal and emergency vegetative and structural maintenance activities include ROW vegetative maintenance, ROW utility infrastructure maintenance, repair, and replacement activities and modifications to existing substations within the substation fence line. JCP&L was previously authorized to conduct these activities pursuant to Flood Hazard Area Individual Permit (0000-05-0010.1 FHA 150001), Coastal Wetlands Permit (0000-05-0010.1 CSW150001), Coastal General Permit 23 (0000-05-0010.1 CAF150001), Freshwater Wetlands General Permit 1 (0000-05-0010.1 FWW150001), and Water Quality Certificate approved on September 10, 2015.

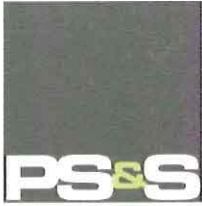
67B Mountain Blvd Ext  
PO Box 4039  
Warren, NJ 07059

t. 732.560.9700

[www.psands.com](http://www.psands.com)

Vegetative maintenance activities include, but are not limited to inspection, tree-pruning, tree removal, brush clearing, mowing and selective herbicide application on the power line ROW and at critical facilities that cross all or portions of the thirteen (13) counties





specified above. JCP&L also seeks approval to conduct future emergency vegetative maintenance to restore power to transmission and distribution systems due to storm damage or accidents that may occur anywhere throughout JCP&L's service area. In addition to the vegetative maintenance activities, JCP&L proposes utility line infrastructure maintenance activities including: structural maintenance, repair and replacement activities; reconductoring overhead power lines; access road maintenance; emergency replacements; equipment repairs; and temporary activities necessary to access the sites.

Beyond utility line infrastructure, the equipment within existing substations must be maintained, replaced or upgraded in order for JCP&L to meet the electrical demand of customers, which is increasing in much of JCP&L service territory. Substation equipment upgrades may include adding new devices within the existing substation. Equipment upgrades do not involve the enlargement or expansion of the existing substations. In such instances, all maintenance and upgrade activities are confined to the previously disturbed/gravel areas within the existing fence line. The substation footprint remains the same size and shape, and no new impervious surface is proposed.

All of the above activities, conducted on a routine basis, address the requirements of Federal Energy Regulatory Commission (FERC) and the Board of Public Utilities (BPU) mission to assure "high quality, safe and reliable service" to electric utility customers of the State. Though a majority of the above activities will occur on non-regulated, upland areas within the thirteen-county service territory; areas of wetlands and their transition areas will be encountered in addition to NJDEP Flood Hazard Areas and coastal areas, specifically the CAFRA Zone, creating the need for JCP&L to acquire a Wetlands General Permit pursuant to N.J.A.C. 7:7A-7.1, Flood Hazard Area (five year maintenance) Individual Permit pursuant to N.J.A.C. 7:13-10, a Coastal General Permit, pursuant to N.J.A.C. 7:7-6.19 and Coastal Wetlands permits pursuant to N.J.A.C. 7:7-8.1.

Removal of vegetation within and along JCP&L ROWs located within the New Jersey Pinelands, that constitutes routine maintenance, does not require an application to the New Jersey Pinelands Commission (Commission) pursuant to the Pinelands Comprehensive Management Plan (N.J.A.C. 7:50-4.1(a)15). A Certificate of Filing is therefore not required for routine vegetative maintenance activities located within the New Jersey Pinelands. Vegetation maintenance activities conducted within the Pinelands will be completed in accordance with the Pinelands Comprehensive Management Plan Pilot Program – Electrical Transmission Right-of-Way Maintenance Adopted New Rules: N.J.A.C. 7:50-10.31 through 10.35 and the *New Jersey Pinelands Electric-Transmission Right-of-Way Vegetation-Management Plan*, dated March 2009.

By submitting an application for a permit approval period of five (5) years, this option will allow JCP&L to avoid the need to continually request approvals for discrete activities. JCP&L believes that this approach minimizes the burden to itself and NJDEP. As a result, this application seeks approval for vegetative, structural and access roadway maintenance, repairs, and replacement activities for the entire service area for the next five (5) year period, as specified previously.





The proposed maintenance activities for which authorization is requested under a Freshwater Wetlands General Permit No. 1 and Coastal Wetlands Permit will not result in the loss of wetlands as existing areas dedicated to the ROWs are being maintained. The proposed vegetation maintenance activities, assessment of structural integrity and necessary preventive maintenance activities will not result in the loss of, or adverse impacts to, wetlands and the riparian zone and are, therefore, permitted under these permits.

This multi-permit application package has been prepared under the directions provided at N.J.A.C. 7:7-23, N.J.A.C. 7:7A-16, N.J.A.C. 7:13-18, and the applicable checklists.

Included with this application package are the following attachments:

**Attachment A** Application Forms and Related Information - Attachment A is comprised of several components including:

- A completed DLUR Application Form;
- Coastal Zone Management Application Checklist: General Permit 19 – Modification of Existing Electrical Substations;
- Coastal Zone Management Application Checklist: Waterfront Development and/or Coastal Wetlands Individual Permit;
- Freshwater Wetlands Application Checklist: General Permit 1 – Maintenance of Existing Features; and
- Flood Hazard Area Application Checklist: Individual Permit.

**Attachment B** Verifications of Notifications: Proof that the public notice requirements have been met:

- Proof that the municipal clerk in each municipality has been sent one (1) complete copy of the entire Multi-Permit Application that is being submitted to the NJDEP.
- Proof that the Pinelands Commission has been sent one (1) copy of the entire Multi-Permit Application that is being submitted to the NJDEP.
- Proof that a completed copy of the notice letter has been sent to each of the following:
  - Municipal Planning Board;
  - Municipal Environmental Commission;
  - Municipal Construction Official; and
  - County Planning Board.
- Proof of Newspaper Advertisements.

**Attachment C** Application Fee Calculation and Copy of Application Fee Check

**Attachment D** Service Area Mapping



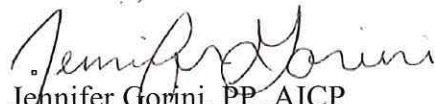
- JCP&L Northern Region Transmission System Map;
- JCP&L Central Transmission System Map; and
- JCP&L NJ Central Region Substations in the CAFRA Zone.

<b>Attachment E</b>	Typical Activity Photographs and Details
<b>Attachment F</b>	Environmental Report and Compliance Statement
<b>Attachment G</b>	Bog Turtle and Swamp Pink Certifications
<b>Attachment H</b>	Natural Heritage Program Database Information
<b>Attachment I</b>	JCP&L Practices for Maintenance Work in Water Resource Areas
<b>Attachment J</b>	JCP&L CAFRA Zone Substation Location Table
<b>Attachment K</b>	Previous Vegetative Maintenance Permit and Typical 2019 Aquatic Use Permit
<b>Attachment L</b>	Sample of Standard and Emergency Door Knob Notification
<b>Attachment M</b>	Computer Disk

PS&S trusts that the information provided herein will result in this application receiving a favorable and expeditious review and approval. If you have any questions or require additional information, please contact us.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC

  
Jennifer Gorini, PP, AICP  
Project Manager

Cc: Annette Kavanagh, FirstEnergy  
Frank Lawson, FirstEnergy  
Walter Judge, PS&S

## **ATTACHMENT A**

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### **DLUR Application Form and Checklists**







State of New Jersey  
Department of Environmental Protection

Division of Land Use Regulation

Application Form for Permit(s)/Authorization(s)

501 E. State Street Mail Code 501-02A P.O. Box 420

Trenton, NJ 08625-0420

Phone #: (609) 777-0454 Web: www.nj.gov/dep/landuse



Please print legibly or type the following: Complete all sections and pages unless otherwise noted. Is this project a NJDOT Priority 1 Repair Project? Yes ☐ No ☒

Initial Application ☒ Response to DLUR Deficiency ☐ Extension / Modification ☐

Is this project a NJDOT Priority 2 Repair Project? Yes ☐ No ☒

1. Applicant Name: Mr./Ms./Mrs. Jersey Central Power & Light E-Mail: flawson@firstenergycorp.com  
Address: 300 Madison Avenue Daytime Phone: 973-401-8309 Ext. \_\_\_\_\_  
City/State: Morristown / NJ Zip Code 07962 Cell Phone: \_\_\_\_\_
2. Agent Name: Mr./Ms./Mrs. Jennifer Gorini E-Mail: jgorini@psands.com  
Firm Name: PS&S, LLC Daytime Phone: 732-584-0469 Ext. \_\_\_\_\_  
Address: 67B Mountain Boulevard Extension Zip Code 07059 Cell Phone: \_\_\_\_\_  
City/State: Warren / NJ
3. Property Owner: Mr./Ms./Mrs. Jersey Central Power & Light E-mail: flawson@firstenergycorp.com  
Address: 300 Madison Avenue Daytime Phone: 973-401-8309 Ext. \_\_\_\_\_  
City/State: Morristown / NJ Zip Code 07733 Cell Phone: \_\_\_\_\_
4. Project Name: Vegetative and Structural Maintenance Address/Location: Various  
Municipality: Various County: Various Zip Code Various  
Block(s): Various Lot(s): Various  
N.A.D. 1983 State Plane Coordinates (feet) E(x): Various N(y): Various Not Longitude/Latitude  
Watershed: Various Subwatershed: Various  
Nearest Waterway: Various
5. Project Description: Normal and emergency vegetative, structural repair, replacement, maintenance, and access road maintenance activities. All work will occur within existing JCP&L rights-of-way and easements.

Provide if applicable: Previous LUR File # (s): 0000-05-0010.1 FHA/CSW/CAF/FWW 150001 Waiver request ID # (s): \_\_\_\_\_

A. SIGNATURE OF APPLICANT (required):

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment. If the applicant is an organization such as a corporation, municipal entity, home-owners association etc., the party responsible for the application shall sign on behalf of the organization.

Frank D. Lawson  
Signature of Applicant

11-25-19  
Date

Frank D. Lawson, JCP&L  
Print Name

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

**B. PROPERTY OWNER'S CERTIFICATION**

I hereby certify that the undersigned is the **owner of the property** upon which the proposed work is to be done. This endorsement is certification that the owner/easement holder grants permission for the conduct of the proposed activity. In addition, written consent is hereby given to allow access to the site by representatives or agents of the Department for the purpose of conducting a site inspection(s) or survey(s) of the property in question.

In addition, the undersigned property owner hereby certifies:

- |  |   |
|--|---|
| 1. Whether any work is to be done within an easement?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| (If answer is "Yes" – Signature/title of responsible party is required below)  |   |
| 2. Whether any part of the entire project will be located within property belonging to the State of New Jersey?                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 3. Whether any work is to be done on any property owned by any public agency that would be encumbered by Green Acres?              | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. Whether this project requires a Section 106 (National Register of Historic Places) Determination as part of a federal approval? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |

Frank D. Lawson  
Signature of Owner  
11-25-19  
Date  
Frank D. Lawson  
Print Name

\_\_\_\_\_  
Signature of Owner/Easement Holder  
\_\_\_\_\_  
Date  
\_\_\_\_\_  
Print Name/Title

**C. APPLICANT'S AGENT**

I Frank D. Lawson, the Applicant/Owner and \_\_\_\_\_, co-Applicant/Owner authorize to act as my agent/representative in all matters pertaining to my application the following person:

Jennifer Gorini  
Name of Agent  
Associate  
Occupation/Profession of Agent

Frank D. Lawson  
Signature of Applicant/Owner  
\_\_\_\_\_  
Signature of co-Applicant/Owner

**AGENT'S CERTIFICATION:**

I agree to serve as agent for the above-referenced applicant:

Jennifer Gorini  
Signature of Agent

PS&S, LLC

\_\_\_\_\_  
Name of Firm

**D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS, SURVEYOR'S OR ENGINEER'S REPORT**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Position & Name of Firm

\_\_\_\_\_  
Professional License #      Date

**E. STATEMENT OF PREPARER OF APPLICATION, REPORTS AND/OR SUPPORTING DOCUMENTS (other than engineering)**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Jennifer Gorini  
Signature

Jennifer Gorini

\_\_\_\_\_  
Print Name

Associate, PS&S, LLC

\_\_\_\_\_  
Position & Name of Firm

33LI00631800

\_\_\_\_\_  
Professional License #  
(If Applicable)

11/25/2019  
Date



**FEE CALCULATION TIPS:**

- Whenever the calculation requires an acreage figure (including the Stormwater calculations), you will need to round UP to the nearest whole number, for example: 0.25 acres gets rounded up to one (1) acre or 2.61 acres gets rounded up to three (3) acres.
- The maximum fee for a CAFRA Individual permit, an Upland Waterfront Development permit, or an In-Water Waterfront Development permit is \$30,000 per permit type. For example: if you are applying for both an upland and an in-water Waterfront Development the maximum fee is applied to each permit for a maximum total of \$60,000 plus any applicable stormwater review fee.
- The stormwater review fee is applied only one time per project, maximum of \$20,000, regardless of multiple applications.

**APPLICATION(S) FOR:** Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Coastal General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	CZMGP1 Amusement Pier Expansion	\$1,000.00	
<input type="checkbox"/>	CZMGP2 Beach/Dune Activities	\$1,000.00	
<input type="checkbox"/>	CZMGP3 Voluntary Reconstruction Certain Residential/Commercial Dev.	\$1,000.00	
<input type="checkbox"/>	CZMGP4 Development of one or two SFH or Duplexes	\$1,000.00	
<input type="checkbox"/>	CZMGP5 Expansion or Reconstruction SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP6 New Bulkhead/Fill Lagoon	\$1,000.00	
<input type="checkbox"/>	CZMGP7 Revetment at SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP8 Gabions at SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP9 Support Facilities at a Marina	\$1,000.00	
<input type="checkbox"/>	CZMGP10 Reconstruction of Existing Bulkhead	\$1,000.00	
<input type="checkbox"/>	CZMGP11 Hazard Waste Clean-up	\$1,000.00	
<input type="checkbox"/>	CZMGP12 Landfill of Utilities	\$1,000.00	
<input type="checkbox"/>	CZMGP13 Recreation Facility at Public Park	\$1,000.00	
<input type="checkbox"/>	CZMGP14 Bulkhead Construction & Fill Placement	\$1,000.00	
<input type="checkbox"/>	CZMGP15 Construction of Piers/Docks/Ramps in Lagoons	\$1,000.00	
<input type="checkbox"/>	CZMGP16 Minor Maintenance Dredging in Lagoons	\$1,000.00	
<input type="checkbox"/>	CZMGP17 Eroded Shoreline Stabilization	\$1,000.00	
<input type="checkbox"/>	CZMGP18 Avian Nesting Structures	\$1,000.00	
<input checked="" type="checkbox"/>	CZMGP19 Modification of Electrical Substations	\$1,000.00	\$1,000.00
<input type="checkbox"/>	CZMGP20 Legalization of the Filling of Tidelands	\$1,000.00	
<input type="checkbox"/>	CZMGP21 Construction of Telecommunication Towers	\$1,000.00	
<input type="checkbox"/>	CZMGP22 Construction of Tourism Structures	\$1,000.00	
<input type="checkbox"/>	CZMGP23 Geotechnical Survey Borings	\$1,000.00	
<input type="checkbox"/>	CZMGP24 Habitat Creation, Restoration, Enhancement, Living Shorelines	No Fee	No Fee
<input type="checkbox"/>	CZMGP25 1 to 3 Turbines < 200 Feet	\$1,000.00	
<input type="checkbox"/>	CZMGP26 Wind Turbines < 250 Feet	\$1,000.00	
<input type="checkbox"/>	CZMGP27 Dredge Lagoon (post storm event)	\$1,000.00	
<input type="checkbox"/>	CZMGP28 Dredge post Bulkhead Failure	\$1,000.00	
<input type="checkbox"/>	CZMGP29 Dredge Marina (post storm event)	\$1,000.00	
<input type="checkbox"/>	CZMGP30 Aquaculture Activities	\$1,000.00	
<input type="checkbox"/>	CZMGP31 Placement of Shell (shellfish areas)	\$1,000.00	
<input type="checkbox"/>	CZMGP32 Application of Herbicide in Coastal Wetlands	\$1,000.00	
<input type="checkbox"/>	CZM Permit-by-Certification (On-line application ONLY)	\$1,000.00	

	Coastal Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	CAFRA – IP SFH or Duplex	\$2,000	
<input type="checkbox"/>	CAFRA – IP Residential not SFH/duplex	\$3,000 x _____ # of units	
<input type="checkbox"/>	CAFRA – IP Commercial, Industrial or Public	\$3,000 x _____ acres of the site	
<input type="checkbox"/>	WFD – IP SFH or Duplex (Upland/Landward of MHWL)	\$2,000	
<input type="checkbox"/>	WFD – IP Residential not SFH/duplex (Upland/Landward of MHWL)	\$3,000 x _____ # of units	
<input type="checkbox"/>	WFD – IP Commercial, Industrial or Public Development (Upland/Landward of MHWL)	\$3,000 x _____ acres of the site	
<input type="checkbox"/>	WFD – IP SFH or Duplex (Waterward of MHWL)	\$2,000	
<input type="checkbox"/>	WFD – IP Residential not SFH/duplex (Waterward of MHWL)	\$3,000 x _____ acres of water area impacted	
<input type="checkbox"/>	WFD – IP Commercial, Industrial or Public Development (Waterward of MHWL)	\$3,000 x _____ acres of water area impacted	
<input type="checkbox"/>	CSW – IP SFH or Duplex	\$2,000	
<input checked="" type="checkbox"/>	CSW – IP All Development not SFH/duplex	\$3,000 x <u>1</u> acres of wetlands disturbed	\$3,000.00

	Additional Coastal Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	Modification of a Coastal GP	\$500	
<input type="checkbox"/>	Minor Technical Modification of a Coastal Wetland Permit	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Minor Technical Modification of a CAFRA IP	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Minor Technical Modification of a Waterfront IP	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Major Technical Modification of a Coastal Wetland Permit	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Major Technical Modification of a CAFRA IP	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Major Technical Modification of a Waterfront IP	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Zane Letter (Waterfront Development Exemption)	\$500	
<input type="checkbox"/>	CAFRA Exemption Request	\$500	
<input type="checkbox"/>	CZM General Permit Extension	\$240 x _____ # of GPs to be extended	
<input type="checkbox"/>	Waterfront Development Individual Permit – Extension (Waterward of MHWL)	0.25 x _____ original fee = Fee (Maximum \$3,000)	
<input type="checkbox"/>	Meadowlands District Water Quality Certificate	\$5,000 + (\$2,500 x _____ # acres regulated area disturbed)	
<input type="checkbox"/>	Individual Permit Equivalency/CERCLA	No Fee	No Fee

	Consistency Determination	Fee Amount	Fee Paid
<input checked="" type="checkbox"/>	Water Quality Certificate (NOTE: No fee required under the coastal program)	\$5,000 + (\$2,500 x _____ # acres regulated area disturbed)	
<input type="checkbox"/>	Federal Consistency	No Fee	No Fee

	Freshwater Wetlands General Permits	Fee Amount	Fee Paid
<input checked="" type="checkbox"/>	FWGP1 Main. & Repair Exist Feature	\$1,000.00	\$1,000.00
<input type="checkbox"/>	FWGP2 Underground Utility Lines	\$1,000.00	
<input type="checkbox"/>	FWGP3 Discharge of Return Water	\$1,000.00	
<input type="checkbox"/>	FWGP4 Hazard Site Invest/Cleanup	\$1,000.00	
<input type="checkbox"/>	FWGP5 Landfill Closures	\$1,000.00	
<input type="checkbox"/>	FWGP6 Filling of Non-Tributary Wetlands	\$1,000.00	
<input type="checkbox"/>	FWGP6A TA Adj. to Non-Tributary Wetlands	\$1,000.00	
<input type="checkbox"/>	FWGP7 Human-made Ditches/Swales in Headwaters	\$1,000.00	
<input type="checkbox"/>	FWGP8 House Additions	\$1,000.00	
<input type="checkbox"/>	FWGP9 Airport Sight-line Clearing	\$1,000.00	
<input type="checkbox"/>	FWGP10A Very Minor Road Crossings	\$1,000.00	
<input type="checkbox"/>	FWGP10B Minor Road Crossings	\$1,000.00	
<input type="checkbox"/>	FWGP11 Outfalls / Intakes Structures	\$1,000.00	
<input type="checkbox"/>	FWGP12 Surveying and Investigating	\$1,000.00	
<input type="checkbox"/>	FWGP13 Lake Dredging	\$1,000.00	
<input type="checkbox"/>	FWGP14 Water Monitoring Devices	\$1,000.00	
<input type="checkbox"/>	FWGP15 Mosquito Control Activities	\$1,000.00	
<input type="checkbox"/>	FWGP16 Creation/Restoration/Enhancement Habitat	No Fee	No Fee
<input type="checkbox"/>	FWGP17 Trails / Boardwalks	\$1,000.00	
<input type="checkbox"/>	FWGP17A Non-Motorized Multi-Use Paths	\$1,000.00	
<input type="checkbox"/>	FWGP18 Dam Repairs	\$1,000.00	
<input type="checkbox"/>	FWGP19 Docks and Piers	\$1,000.00	
<input type="checkbox"/>	FWGP20 Bank Stabilization	\$1,000.00	
<input type="checkbox"/>	FWGP21 Above Ground Utility Lines	\$1,000.00	
<input type="checkbox"/>	FWGP22 Expansion Cranberry Growing (Pinelands)	No Fee	No Fee
<input type="checkbox"/>	FWGP23 Spring Developments	\$1,000.00	
<input type="checkbox"/>	FWGP24 Malfunctioning Individual Septic Systems	No Fee	No Fee
<input type="checkbox"/>	FWGP25 Minor Channel / Stream Cleaning	\$1,000.00	
<input type="checkbox"/>	FWGP26 Redevelop Previously Disturbed Site	\$1,000.00	
<input type="checkbox"/>	FWGP27 Application of herbicide in wetlands	\$1,000.00	

	Highlands	Fee Amount	Fee Paid
<input type="checkbox"/>	Pre-application Meeting	\$500.00	
<input type="checkbox"/>	Resource Area Determination Boundary Delineation < one acre	\$500.00	
<input type="checkbox"/>	Resource Area Footprint of Disturbance	\$500 + (\$50 x _____ # of acres of the site)	
<input type="checkbox"/>	Resource Area Determination Verification (> one acre)	\$750 + (\$100 x _____ # of acres of the site)	
<input type="checkbox"/>	Resource Area Determination Extension	0.25 x _____ original fee (Minimum \$250)	
<input type="checkbox"/>	HPAAGP 1/ Habitat Creation/Enhance	No Fee	No Fee
<input type="checkbox"/>	HPAAGP 2 Bank Stabilization	\$500.00	
<input type="checkbox"/>	Preservation Area Approval (PAA)		
<input type="checkbox"/>	PAA with Waiver (Specify type below)		
	Waiver Type:		
<input type="checkbox"/>	HPAA Extension	\$1,000	

	Freshwater Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FWW IP-SFH/Duplex-Wetlands	\$2,000	
<input type="checkbox"/>	FWW IP-Wetlands (not SFH/Duplex)	\$5,000 + (\$2,500 x _____ # acres FWW disturbed)	
<input type="checkbox"/>	FWW IP-SFH/Duplex-Open Water	\$2,000	
<input type="checkbox"/>	FWW IP-Open Water (not SFH/Duplex)	\$5,000 + (\$2,500 x _____ # acres FWW disturbed)	

	Freshwater Wetlands Transition Area Waivers	Fee Amount	Fee Paid
<input type="checkbox"/>	TAW Averaging Plan	With valid LOI \$1,000 + (\$100 x _____ # acres TA disturbed)	
<input type="checkbox"/>	TAW Hardship Reduction		
<input type="checkbox"/>	TAW Reduction per N.J.A.C. 7:2A-8.1(d)		
<input type="checkbox"/>	TAW Special Activity Individual Permit		
<input type="checkbox"/>	TAW Special Activity Linear Development	Without valid LOI \$1000 + (\$100 x _____ acres TA disturbed) + LOI Fee	
<input type="checkbox"/>	TAW Special Activity Redevelopment		
<input type="checkbox"/>	TAW Special Activity Stormwater		

	Letter of Interpretation	Fee Amount	Fee Paid
<input type="checkbox"/>	LOI Presence Absence	\$1,000.00	
<input type="checkbox"/>	LOI Footprint of Disturbance (3 Maximum)	\$1,000.00 each	
<input type="checkbox"/>	LOI Delineation < 1.00 Acres	\$1,000.00	
<input type="checkbox"/>	LOI Verification	\$1,000 + (\$100 x _____ # of acres of the site)	
<input type="checkbox"/>	LOI Partial Site Verification	\$1,000 + (\$100 x _____ # of acres of the site subject to LOI)	
<input type="checkbox"/>	LOI Extension Presence/Absence, Footprint, Delineation < 1 acre (Re-Issuance)	\$500	
<input type="checkbox"/>	LOI Extension Line Verification (Re-Issuance)	0.50 x _____ original fee (Minimum \$500)	

	Additional Freshwater Wetlands Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	FWGP Administrative Modification	No fee	No Fee
<input type="checkbox"/>	FWGP Minor technical modification	\$500.00	
<input type="checkbox"/>	FWGP Major technical modification	\$500.00	
<input type="checkbox"/>	Individual Permit Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	Individual Permit Minor Technical Modification	\$500.00	
<input type="checkbox"/>	Individual Permit Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	TAW Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	TAW Minor Technical Modification	\$500.00	
<input type="checkbox"/>	TAW Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FWGP Extension	\$500 x _____ # of items to be extended	
<input type="checkbox"/>	Individual Permit/Open Water Permit Extension	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	TAW Extension	\$500 x _____ # of items to be extended	
<input type="checkbox"/>	Freshwater Wetlands Exemption	\$500.00	
<input type="checkbox"/>	TAW Exemption	\$500.00	
<input type="checkbox"/>	Permit Equivalency/CERCLA	No Fee	No Fee

APPLICATION(S) FOR: Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Flood Hazard Area General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FHAGP1 Channel Clean w/o Sediment Removal	No Fee	
<input type="checkbox"/>	FHAGP1 Channel Clean w/Sediment Removal	No Fee	
<input type="checkbox"/>	FHAGP2 Mosquito Control	\$1,000.00	
<input type="checkbox"/>	FHAGP3 Scour Protection Bridges/Culverts	\$1,000.00	
<input type="checkbox"/>	FHAGP4 Creation/Restoration/Enhancement of Habitat and Water Quality Values and Functions	No Fee	
<input type="checkbox"/>	FHAGP5 Reconstruction and/or Elevation of Building in a Floodway	No Fee	
<input type="checkbox"/>	FHAGP6 Construction of One SFH/Duplex and Driveway	\$1,000.00	
<input type="checkbox"/>	FHAGP7 Relocation of Manmade Roadside Ditches for Public Roadway Improvements	\$1,000.00	
<input type="checkbox"/>	FHAGP8 Placement of Storage Tanks	\$1,000.00	
<input type="checkbox"/>	FHAGP9 Construction/Reconstruction of Bridge/Culvert Across Water < 50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP10 Construction/Reconstruction of Bridge/Culvert Across Water > 50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP11 Stormwater Outfall Along Regulated Water <50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP12 Construction of Footbridges	\$1,000.00	
<input type="checkbox"/>	FHAGP13 Construction of Trails and Boardwalks	\$1,000.00	
<input type="checkbox"/>	FHAGP14 Application of herbicide in riparian zone	\$1,000.00	

	Additional Flood Hazard Area Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	FHA Hardship Exception Request	\$4,000	
<input type="checkbox"/>	FHA GP Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA GP Minor technical modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA GP Major technical modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA Individual Permit Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA Individual Permit Minor Technical Modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA Individual Permit Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA Verification Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA Verification Minor Technical Modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA Verification Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA GP Extension	\$240	
<input type="checkbox"/>	FHA Individual Permit Extension	0.25 x _____ original fee	
<input type="checkbox"/>	FHA Verification Extension of Methods 1, 2, 3, 5, or Riparian Zone Only	\$240	
<input type="checkbox"/>	FHA Verification Extension of Methods 4 or 6	0.25 x _____ original fee	
<input type="checkbox"/>	FHA Individual Permit Equivalency/CERCLA	No Fee	No Fee
<input type="checkbox"/>	FHA GP Administrative Modification	No Fee	No Fee

	Flood Hazard Area Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FHA - IP SFH and/or Accessory Structures	\$2,000	
<input checked="" type="checkbox"/>	Individual Permit ( Fee is calculated by adding the base fee to the specific elements below)	\$3,000 Base Fee	\$3,000.00
	FHA - IP Utility*	+\$ (1,000 x _____ # of water crossings)	\$1,000.00
	FHA - IP Bank/Channel (No Calculation Review) *	+\$1,000	
	FHA - IP Bank/Channel (With Calculation Review) *	+\$ (4,000 + (\$400 x _____ per 100 linear ft.))	
	FHA - IP Bridge/Culvert/Footbridge/Low Dam (No Calculation Review)*	+\$ (1,000 x _____ # of structures)	
	FHA - IP Bridge/Culvert/Footbridge/Low Dam (With Calculation Review) *	+\$ (4,000 x _____ # of structures)	
	FHA - Review of Flood Storage Displacement (net fill) Calculations*	+\$ 4,000	
	Total	IP Review Fee	\$4,000.00

Stormwater Review Fee (Maximum Fee = \$20,000)	Fee Amount (Round UP to the nearest whole number)	Fee Paid
<input type="checkbox"/> Stormwater Review ( Fee is calculated by adding the base fee to the specific elements below)	\$3,000 Base Fee	
Review of Groundwater Calculations	+\$ 250 x _____ # acres disturbed	
Review of Runoff Quantity Calculations	+\$ 250 x _____ # acres disturbed	
Review of Water Quality Calculations	+\$ 250 x _____ # acres impervious surface	
Total	Stormwater Review Fee	

	Flood Hazard Area Verifications	Fee Amount	Fee Paid
<input type="checkbox"/>	Verification-Delineation of Riparian Zone Only	\$1,000	
<input type="checkbox"/>	Verification-Method 1 (DEP Delineation) *	\$1,000	
<input type="checkbox"/>	Verification-Method 2 (FEMA Tidal Method) *	\$1,000	
<input type="checkbox"/>	Verification-Method 3 (FEMA Fluvial Method) *	\$1,000	
<input type="checkbox"/>	Verification-Method 4 (FEMA Hydraulic Method)	\$4,000 + (\$400 x _____ per 100 linear feet)	
<input type="checkbox"/>	Verification-Method 5 (Approximation Method)	\$1,000	
<input type="checkbox"/>	Verification-Method 6 (Calculation Method)	\$4,000+(\$400 x _____ per 100 linear feet)	

	Applicability Determination	Fee Amount	Fee Paid
<input type="checkbox"/>	Coastal Applicability Determination	No Fee	No Fee
<input type="checkbox"/>	Flood Hazard Applicability Determination	No Fee	No Fee
<input type="checkbox"/>	Highlands Jurisdictional Determination	No Fee	No Fee
<input type="checkbox"/>	Executive Order 215	No Fee	No Fee

TOTAL FEE:	\$9,000.00
CHECK NUMBER:	

\*Fee not applicable to (1) SFH

\*Fee not applicable to (1) SFH



APPLICANT NAME: JCP&L

FILE # (if known): \_\_\_\_\_

### APPLICATION FORM - APPENDIX I

**Section 1:** Please provide the following information for the overall project site. All area measurements shall be recorded in acres to the nearest thousandth (0.001 acres).

<u>PROPOSED:</u>	<u>PRESERVED</u>	<u>UNDISTURBED</u>	<u>DISTURBED</u>
RIPARIAN ZONE	_____	Not Applicable	_____
CZMRA FORESTED (CZMRA IP – Only)	_____	_____	_____
E & THABITAT Endangered and/or Threatened	_____	_____	_____
FRESHWATER WETLANDS	_____	_____	_____

**Section 2:** Please provide the following information for each permit/authorization requested pursuant to the Freshwater Wetlands Protection Act. All area measurements shall be recorded in acres to the nearest thousandth (0.001 acres). Use additional sheets if necessary

PERMIT TYPE	WETLAND TYPE <i>Emergent, Forest, Shrub, Etc.</i>	RESOURCE CLASSIFICATION <i>Ordinary, Intermediate, Exceptional, EPA, Etc.</i>
<u>PROPOSED DISTURBANCE:</u>	<u>WETLANDS</u>	<u>TRANSITION AREA</u>
FILLED	_____	Not Applicable
EXCAVATED	_____	_____
CLEARED	_____	_____
TEMPORARY DISTURBANCE	_____	_____

PERMIT TYPE	WETLAND TYPE <i>Emergent, Forest, Shrub, Etc.</i>	RESOURCE CLASSIFICATION <i>Ordinary, Intermediate, Exceptional, EPA, Etc.</i>
<u>PROPOSED DISTURBANCE:</u>	<u>WETLANDS</u>	<u>TRANSITION AREA</u>
FILLED	_____	_____
EXCAVATED	_____	_____
CLEARED	_____	_____
TEMPORARY DISTURBANCE	_____	_____



## COASTAL ZONE MANAGEMENT APPLICATION CHECKLIST

### General Permit 19 – Modification of existing electrical substations

**CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS**

To apply for an authorization under general permit 19, please submit the information below to:

**Postal Mailing Address**

NJ Department of Environmental  
Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625-0420  
**Attn: Application Support**

**Street Address (Courier & Hand  
Carry Only)**

NJ Department of Environmental  
Protection  
Division of Land Use Regulation  
501 East State Street  
Station Plaza 5, 2<sup>nd</sup> Floor  
Trenton, New Jersey 08609  
**Attn: Application Support**

**Electronic Submission**

Access the submission system  
at <https://njdeponline.com>. Follow  
the registration process and create  
an account. To submit an  
application, select the service  
"Apply for a Land Use Permit or  
Authorization."

**CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS**

1. A completed [application form](#) (Paper submissions ONLY)

2. A completed [Property Owner Certification form](#) (Electronic submissions ONLY)

- Acceptable file formats include pdf, jpg, and png.

3. Public notice:

- **Electronic Submissions:** A completed [Public Notice form](#). Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7-24 must be attached to the form (see below for details). Acceptable file formats include pdf, jpg, and png.
- **Paper Submissions:** Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7-24 (see below for details).

Both electronic and paper submissions require documentation of public notice as follows:

i. [Notice to municipal clerk \(N.J.A.C. 7:7-24.3\(a\)\)](#)

A copy of the entire application, as submitted to the Department, must be provided to the municipal clerk in each municipality in which the site is located. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

- Documentation of compliance with this requirement shall consist of a copy of the certified United States Postal Service white mailing receipt, or other written receipt, for each copy of the application sent.

ii. Notice to governmental entities and property owners (N.J.A.C. 7:7-24.3(b) and (c))

A brief description of the proposed project, a legible copy of the site plan, and the form notice letter described at N.J.A.C. 7:7-24.3(d)1iii must be sent to the following recipients:

- A. The construction official of each municipality in which the site is located;
- B. The environmental commission, or other government agency with similar responsibilities, of each municipality in which the site is located;
- C. The planning board of each municipality in which the site is located;
- D. The planning board of each county in which the site is located;
- E. The local Soil Conservation District if the regulated activity or project will disturb 5,000 square feet or more of land;
- F. The Delaware Coastal Management Program if the activity is within the 12-mile circle with Delaware or is within 200 feet of the 12-mile circle; and
- G. Adjacent property owners:

If the application is for one of the following projects (listed at N.J.A.C. 7:7-24.3(c)1-5), notice shall be sent to all owners of real property, including easements, located within 200 feet of any proposed above-ground structure that is part of the proposed development, such as a pumping station, treatment plant, groin, bulkhead, revetment or gabion, or dune walkover:

- A linear project of one-half mile or longer
- A shore protection development, including beach nourishment, beach and dune maintenance, or dune creation of one-half mile or longer
- A public project on a site of 50 acres or more
- An industrial or commercial project on a site of 100 acres or more
- Maintenance dredging of a State navigation channel of one-half mile or longer

For any other project, notice shall be sent to all owners of real property, including easements, located within 200 feet of the site of the proposed regulated activity.

The owners of real property, including easements, shall be those on a list that was certified by the municipality, with a date of certification no more than one year prior to the date the application is submitted.

- Documentation of compliance with this requirement shall consist of:
  - 1. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt;
  - 2. A certified list of all owners of real property, including easements, located within 200 feet of the property boundary of the site (including name, mailing address, lot, and block) prepared by the municipality for each municipality in which the project is located. The date of certification of the list shall be no earlier than one year prior to the date the application is submitted to the Department; and
  - 3. A copy of the form notice letter.
- The form notice letter required under N.J.A.C. 7:7-24.3(d)1iii shall read as follows:

*"This letter is to provide you with legal notification that an application for an authorization under coastal general permit 19 <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE PROPOSED PROJECT>>*

*The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the*



*Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:*

*New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Municipality in which the property is located) Supervisor"*

iii. Newspaper notice (N.J.A.C. 7:7-24.5)

Newspaper notice, in the form of a legal notice or display advertisement in the official newspaper of the municipality(ies) in which the project site is located, or if no official newspaper exists, in a newspaper with general circulation in the municipality(ies), is required for the following projects:

- A. A linear project of one-half mile or longer
- B. A shore protection development, including beach nourishment, beach and dune maintenance, or dune creation of one-half mile or longer
- C. A public project on a site of 50 acres or more
- D. An industrial or commercial project on a site of 100 acres or more
- E. Maintenance dredging of a State navigation channel of one-half mile or longer

If your project is not one listed above, newspaper notice is not required.

- Documentation of newspaper notice shall consist of:
  - 1. A copy of the published newspaper notice; and
  - 2. The date and name of the newspaper in which notice was published.
- The newspaper notice may be either a legal notice or display advertisement and must read as follows:

*"Take notice that an application for an authorization under coastal general permit 19 <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:*

*APPLICANT:*

*PROJECT NAME:*

*PROJECT DESCRIPTION:*

*PROJECT STREET ADDRESS:*

*BLOCK:            LOT:*

*MUNICIPALITY:    COUNTY:*

*The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice:*

*New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
501 East State Street*

iv. Notice for projects located in the Pinelands Area

For a project in the Pinelands Area as designated by as designated under the Pinelands Protection Act at N.J.S.A. 13:18A-11(a), documentation showing that a copy of the entire application has been provided to the New Jersey Pinelands Commission. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7-25.1, payable through the online service via credit card or e-check, or to receive a bill, select "Bill Me" on the payment screen. Bills will be sent to the Fee Billing Contact identified in the service and must be paid directly to the Department of Treasury.
- **Paper Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7-25.1, in the form of a check (personal, bank, certified, or attorney), money order, or government purchase order made payable to "Treasurer State of New Jersey."

N/A

5. Site plans:

All site plans must include the scale of the site plans, a north arrow, the name of the person who prepared the plans, date the site plans were prepared, and the applicant's name and the block, lot, and municipality in which the site is located. In addition, the site plans shall include the following information, both on and adjacent to the site, in accordance with N.J.A.C. 7:7-23.4(a)4:

- i. Existing features:
    - A. Lot lines;
    - B. Land cover and vegetation;
    - C. Mapped coastal wetlands line, if applicable;
    - D. Tidelands claim line(s); and
    - E. Existing fence, limits of clearing, and structures
  - ii. Proposed regulated activities:
    - A. Proposed structures; and
    - B. Anticipated limits of any other disturbance.
  - iii. Existing and proposed topography. All topography must reference NGVD or include the appropriate conversion factor to NGVD.
  - iv. The limits of any existing or proposed tidelands instrument.
  - v. Details of any proposed soil erosion and sediment control measures.
  - vi. The mean high, mean low, and spring high water lines of any tidal waters, water depths, and location of navigation channels.
  - vii. The upper and lower limits of all special areas described at N.J.A.C. 7:7-9, onsite and within 150 feet of the fenced area.
  - viii. The location of any existing or proposed public access to lands and waters subject to public trust rights as set forth at N.J.A.C. 7:7-9.48.
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:7-23.2(j) and prepared according to the Department's [site plan](#)

specifications for electronic site plans. All plans must be digitally signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4, with signatures and seals that meet the requirements of N.J.A.C. 13:40-8.1A. Site plans with electronic signatures, such as scans of site plans with a handwritten signature, will not be accepted.

- **Paper Submissions:** Three sets of site plans, certified in accordance with N.J.A.C. 7:7-23.2(j). Prior to issuance of any permit, the Department will require four to five sets of final site plans. The site plans must be signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4.

6. Photographs:

- i. Color photographs depicting:
    - A. The entire project area; and
    - B. The location of the proposed activity.
  - ii. A photo location map showing the location and direction from which each photograph was taken.
- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
  - **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

7. A compliance statement prepared in accordance with N.J.A.C. 7:7-23.5 that includes:

- i. Materials demonstrating how the proposed development satisfies each requirement of general permit 19 at N.J.A.C. 7:7-6.19(a)1 through 2;
  - ii. If applying for a general permit in the CAFRA area, a written statement that the findings set forth in CAFRA at N.J.S.A. 13:19-10, and at N.J.A.C. 7:7-1.4 can be made for the proposed activity; and
  - iii. A description of the site characteristics and the location of all proposed regulated activities, potential impacts from the construction process, and from the operation of the development after completion.
- **Electronic Submissions:** The compliance statement should be uploaded under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.
  - **Paper Submissions:** Three copies of the compliance statement are required.

8. Color copies of the following maps:

- i. The tax map for the property;
  - ii. A copy of the portion of the county road map showing the property location; and
  - iii. A copy of the USGS quad map(s) that include the site, with the site clearly outlined to scale.
- **Electronic Submissions:** The required maps should be uploaded with the compliance statement under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

N/A

9. Calculations and analyses:

- i. If the project is a major development as defined by N.J.A.C. 7:8-1.2, a demonstration of compliance with the requirements of the Stormwater Management Rules, N.J.A.C. 7:8.

All calculations or analyses submitted as part of an application must include the certification set forth at N.J.A.C. 7:7-23.2(j). Any necessary stormwater calculations must be signed and sealed by a New Jersey licensed professional engineer.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip unless stormwater calculations are necessary. Stormwater calculations must be digitally signed and sealed in accordance with N.J.A.C. 13:40-8.1A. Stormwater calculations with electronic signatures, such as scans of calculations with a handwritten signature, will not be accepted. Therefore, when calculations are necessary, the acceptable file formats are limited to pdf and zip.

N/A

10. Additional requirements:

- i. Conservation restriction – applies only if the proposed project is subject to an existing conservation restriction

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

- ii. Tidelands license application or documentation – applies only if the proposed project is below the mean high water line or in an area formerly flowed by the tide. Documentation of compliance with the tidelands requirements may include one of the following:

- A. Information regarding the existing Tidelands instrument
- B. Information regarding an intended submission to the Bureau of Tidelands Management for a Tidelands instrument
- C. An explanation regarding why a Tidelands instrument is not required for the project

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, jpg, and png.

11. A computer disk containing a copy of the entire application (Paper submissions ONLY)





**COASTAL ZONE MANAGEMENT APPLICATION CHECKLIST**  
**Waterfront Development and/or Coastal Wetlands Individual Permit**

**CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS**

To apply for a Waterfront Development and/or Coastal Wetlands Individual Permit, please submit the information below to:

**Postal Mailing Address**

NJ Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625-0420  
**Attn: Application Support**

**Street Address (Courier & Hand Carry Only)**

NJ Department of Environmental Protection  
Division of Land Use Regulation  
501 East State Street  
Station Plaza 5, 2<sup>nd</sup> Floor  
Trenton, New Jersey 08609  
**Attn: Application Support**

**Electronic Submission**

Access the submission system at <https://njdeponline.com>. Follow the registration process and create an account. To submit an application, select the service "Apply for a Land Use Permit or Authorization."

**CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS**

1. A completed [application form](#) (Paper submissions ONLY)

N/A 2. A completed [Property Owner Certification form](#) (Electronic submissions ONLY)

- Acceptable file formats include pdf, jpg, and png.

3. Public notice:

- **Electronic Submissions:** A completed [Public Notice form](#). Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7-24 must be attached to the form (see below for details). Acceptable file formats include pdf, jpg, and png.
- **Paper Submissions:** Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7-24 (see below for details).

Both electronic and paper submissions require documentation of public notice as follows:

i. Notice to municipal clerk (N.J.A.C. 7:7-24.3(a))

A copy of the entire application, as submitted to the Department, must be provided to the municipal clerk in each municipality in which the site is located. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

- Documentation of compliance with this requirement shall consist of a copy of the certified United States Postal Service white mailing receipt, or other written receipt, for each copy of the application sent.

ii. Notice to governmental entities and property owners (N.J.A.C. 7:7-24.3(b) and (c))

A brief description of the proposed project, a legible copy of the site plan, and the form notice letter described at N.J.A.C. 7:7-24.3(d)1iii must be sent to the following recipients:

- A. The construction official of each municipality in which the site is located;
- B. The environmental commission, or other government agency with similar responsibilities, of each municipality in which the site is located;
- C. The planning board of each municipality in which the site is located;
- D. The planning board of each county in which the site is located;
- E. The local Soil Conservation District if the regulated activity or project will disturb 5,000 square feet or more of land;
- F. The Delaware Coastal Management Program if the activity is within the 12-mile circle with Delaware or is within 200 feet of the 12-mile circle; and
- G. Adjacent property owners:

If the application is for one of the following projects (listed at N.J.A.C. 7:7-24.3(c)1-5), notice shall be sent to all owners of real property, including easements, located within 200 feet of any proposed above-ground structure that is part of the proposed development, such as a pumping station, treatment plant, groin, bulkhead, revetment or gabion, or dune walkover:

- A linear project of one-half mile or longer
- A shore protection development, including beach nourishment, beach and dune maintenance, or dune creation of one-half mile or longer
- A public project on a site of 50 acres or more
- An industrial or commercial project on a site of 100 acres or more
- Maintenance dredging of a State navigation channel of one-half mile or longer

For any other project, notice shall be sent to all owners of real property, including easements, located within 200 feet of the site of the proposed regulated activity.

The owners of real property, including easements, shall be those on a list that was certified by the municipality, with a date of certification no more than one year prior to the date the application is submitted.

- Documentation of compliance with this requirement shall consist of:
  - 1. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt;
  - 2. A certified list of all owners of real property, including easements, located within 200 feet of the property boundary of the site (including name, mailing address, lot, and block) prepared by the municipality for each municipality in which the project is located. The date of certification of the list shall be no earlier than one year prior to the date the application is submitted to the Department; and
  - 3. A copy of the form notice letter.
- The form notice letter required under N.J.A.C. 7:7-24.3(d)1iii shall read as follows:

*"This letter is to provide you with legal notification that an application for a <<waterfront development/coastal wetlands>> individual permit <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE PROPOSED PROJECT& PROPOSED CHANGES>>*

*The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the*

*Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:*

*New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Municipality in which the property is located) Supervisor"*

iii. Newspaper notice (N.J.A.C. 7:7-24.5)

Newspaper notice, in the form of a legal notice or display advertisement in the official newspaper of the municipality(ies) in which the project site is located, or if no official newspaper exists, in a newspaper with general circulation in the municipality(ies), is required for the following projects:

- A. A linear project of one-half mile or longer
- B. A shore protection development, including beach nourishment, beach and dune maintenance, or dune creation of one-half mile or longer
- C. A public project on a site of 50 acres or more
- D. An industrial or commercial project on a site of 100 acres or more
- E. Maintenance dredging of a State navigation channel of one-half mile or longer

If your project is not one listed above, newspaper notice is not required.

- Documentation of newspaper notice shall consist of:
  - 1. A copy of the published newspaper notice; and
  - 2. The date and name of the newspaper in which notice was published.
- The newspaper notice may be either a legal notice or display advertisement and must read as follows:

*"Take notice that an application for an application for a <<waterfront development/coastal wetlands>> individual permit <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:*

*APPLICANT:*

*PROJECT NAME:*

*PROJECT & MODIFICATION DESCRIPTION:*

*PROJECT STREET ADDRESS:*

*BLOCK:            LOT:*

*MUNICIPALITY:    COUNTY:*

*The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:*

*New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A*

501 East State Street  
Trenton, New Jersey 08625  
Attn: (Municipality in which the property is located) Supervisor"

iv. Notice for projects located in the Pinelands Area

For a project in the Pinelands Area as designated by as designated under the Pinelands Protection Act at N.J.S.A. 13:18A-11(a), documentation showing that a copy of the entire application has been provided to the New Jersey Pinelands Commission. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

v. Notice for installation of submarine cables or sand mining activities

An applicant applying for a waterfront development individual permit to install a submarine cable in the ocean, or to perform sand mining in the ocean, must provide documentation showing that a copy of the application form and a copy of the NOAA nautical chart showing the proposed cable route or the limits of the proposed sand mining area submitted to the Department as part of this permit application were sent to the entities listed below. For electronic submissions, the "application form" will consist of a description of the project and the specific permit(s)/authorization(s) being sought.

- A. Garden State Seafood Association;
- B. National Fisheries Institute;
- C. North Atlantic Clam Association;
- D. Rutgers Cooperative Extension;
- E. New Jersey Shellfisheries Council; and
- F. New Jersey Marine Fisheries Council.

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7-25.1, payable through the online service via credit card or e-check, or to receive a bill, select "Bill Me" on the payment screen. Bills will be sent to the Fee Billing Contact identified in the service and must be paid directly to the Department of Treasury.
- **Paper Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7-25.1, in the form of a check (personal, bank, certified, or attorney), money order, or government purchase order made payable to "Treasurer State of New Jersey."

N/A 5. Site plans:

All site plans must include the scale of the site plans, a north arrow, the name of the person who prepared the plans, date the site plans were prepared, and the applicant's name and the block, lot, and municipality in which the site is located. In addition, the site plans shall include the following information, both on and adjacent to the site, in accordance with N.J.A.C. 7:7-23.4(a)4:

- i. Existing features such as lot lines, structures, land coverage, vegetation, and location of the mapped coastal wetlands line;
- ii. All proposed regulated activities such as changes in lot lines; the size, location, and details of any proposed structures, roads, or utilities; details of any clearing, grading, filling, and excavation; the location and area of any riparian zone vegetation that will be disturbed; cross-sections of regulated waters or water control structures being analyzed; and the anticipated limits of disturbance;



- iii. Topography:
    - A. Existing and proposed topography where necessary to demonstrate that the proposed regulated activity or project meets the requirements of this chapter. All topography must reference NGVD or include the appropriate conversion factor to NGVD.
  - iv. Tidelands:
    - A. The limits of any existing or proposed tidelands instrument;
  - v. Soil erosion and sediment control:
    - A. Details of any proposed soil erosion and sediment control measures.
  - vi. Water information:
    - A. For all applications, as applicable: The mean high, mean low, and spring high water lines of any tidal waters, water depths, and location of navigation channels.
    - B. Where the regulated activity is the construction of a dock, pier, or mooring area, the site plan must show the location and orientation of the proposed mooring area(s), the water depths at mean low water within the mooring area(s), and cross sections of the dock including the height and width of the structure over the water and crossing wetlands. Except for docks proposed within lagoons, the site plan must also depict water depths at mean low water for a distance of at least 100 feet waterward of the dock. The site plan must include the method, date, and time of all soundings;
    - C. For dredging activities, the area to be dredged, existing and proposed water depths at mean low water, the water depths at mean low water adjacent to the area to be dredged, the amount of material to be dredged, the method of dredging, the location of the dredged material dewatering and placement site, including the municipal block and lot, and the means of containing the dredged material;
  - vii. The upper and lower limits of all special areas, as described at N.J.A.C. 7:7-9. For the purposes of this requirement, "upper" refers to the upland or landward limit and "lower" refers to the waterward limit of the special area; and
  - viii. The location of any existing or proposed public access to lands and waters subject to public trust rights as set forth at N.J.A.C. 7:7-9.48.
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:7-23.2(j) and prepared according to the Department's [site plan specifications](#) for electronic site plans. All plans must be digitally signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4, with signatures and seals that meet the requirements of N.J.A.C. 13:40-8.1A. Site plans with electronic signatures, such as scans of site plans with a handwritten signature, will not be accepted.
  - **Paper Submissions:** Three sets of site plans certified in accordance with N.J.A.C. 7:7-23.2(j). Prior to issuance of any permit, the Department will require four to five sets of final site plans. The site plans must be signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4.
- NOTE:** In accordance with N.J.A.C. 7:7-23.3(h), an applicant may elect to prepare his or her own plan if both of the following are true: (1) the applicant proposes an activity in a man-made lagoon, or the applicant proposes the construction of a single-family home or duplex or an accessory development located landward of the mean high water line, such as a patio, garage, or shed on his or her own property for his or her own use, and (2) the proposed regulated activity or project is one for which no survey, topography, or calculations are necessary to demonstrate the requirements of N.J.A.C. 7:7 are met.



6. Photographs:

- i. Color photographs depicting the entire project area; and
  - ii. A photo location map showing the location and direction from which each photograph was taken.
- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
  - **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

7. An Environmental Impact Statement (EIS) prepared in accordance with N.J.A.C. 7:7-23.6(b) that:

- i. Describes in narrative form:
    - A. The proposed development or activity;
    - B. The characteristics of the site and the surrounding region;
    - C. The location of all proposed regulated activities, potential impacts from the construction process, and, as applicable the operation of the development after completion; and
    - D. Any anticipated impacts of the proposed activity or project, including any monitoring or reporting methods that will be used.
      - For an application for an individual permit for the construction of wind turbines for which, in accordance with the energy facility use rule at N.J.A.C. 7:7-15.4, pre- and/or post-construction monitoring is required, include the proposed monitoring methodology (see Technical Manual for Evaluating Wildlife Impacts of Wind Turbines Requiring Coastal Permits, available at <https://www.nj.gov/dep/landuse/guidance.html>).
  - ii. Discusses the applicability of the Coastal Zone Management rules to the proposed development, including a detailed statement of compliance with each rule applicable to the type of development proposed. Where the applicant believes a rule otherwise applicable to the type of development proposed does not apply, the applicant shall explain the reasons why the rule does not apply to the applicant's development;
  - iii. As necessary based on project-specific and site-specific circumstances, provides support by relevant experts for the assessments, discussions, and statements made in the EIS; includes the qualifications of the persons who prepared each part of the EIS; and provides references and citations to all information, reports, or treatises that are mentioned in the EIS but not contained in the EIS; and
  - iv. For an activity or project in the Pinelands Area as designated under the Pinelands Protection Act at N.J.S.A. 13:18A-11(a), includes a Certificate of Filing, a Certificate of Completeness, or a resolution approving an application for public development, issued by the NJ Pinelands Commission.
- **Electronic Submissions:** The EIS should be uploaded under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.
  - **Paper Submissions:** Three copies of the EIS are required.

8. Color copies of the following maps:

- i. The tax map for the property;
- ii. A copy of the portion of the county road map showing the property location; and
- iii. A copy of the USGS quad map(s) that include the site, with the site clearly outlined to scale.

- **Electronic Submissions:** The required maps should be uploaded with the compliance statement under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

9. Calculations and analyses:

- If the project is a major development as defined by N.J.A.C. 7:8-1.2, a demonstration of compliance with the requirements of the Stormwater Management Rules, N.J.A.C. 7:8.

All calculations or analyses submitted as part of an application must include the certification set forth at N.J.A.C. 7:7-23.2(j). Any necessary stormwater calculations must be signed and sealed by a New Jersey licensed professional engineer.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip unless stormwater calculations are necessary. Stormwater calculations must be digitally signed and sealed in accordance with N.J.A.C. 13:40-8.1A. Stormwater calculations with electronic signatures, such as scans of calculations with a handwritten signature, will not be accepted. Therefore, when calculations are necessary, the acceptable file formats are limited to pdf and zip.

10. Natural Heritage Program Letter:

A copy of an NJDEP, Office of Natural Lands Management Natural Heritage Database data request response for endangered or threatened species of flora or fauna, including a Landscape Map report, if available

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

11. Mitigation:

For an activity that requires mitigation in accordance with N.J.A.C. 7:7, the applicant may submit a mitigation proposal as part of the application for the individual permit. If the applicant does not submit a mitigation proposal with the application, the applicant must submit the mitigation proposal at least 90 calendar days before the start of activities authorized by the permit, in accordance with N.J.A.C. 7:7-17.

- **Electronic Submissions:** If a mitigation proposal is available at the time of submission, the service will provide an attachment type for "Mitigation Proposal." Alternatively, it may be uploaded separately at a later time through the service "Submit Additional Information for a Land Use Permit or Authorization." Acceptable file formats include pdf, doc, docx, rtf, and zip.

12. Additional requirements:

- Conservation restriction – applies only if the proposed project is subject to an existing conservation restriction

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

- Tidelands license application or documentation – applies only if the proposed project is below the mean high water line or in an area formerly flowed by the tide. Documentation of compliance with the tidelands requirements may include one of the following:

- Information regarding the existing Tidelands instrument
- Information regarding an intended submission to the Bureau of Tidelands Management for a Tidelands instrument
- An explanation regarding why a Tidelands instrument is not required for the project

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, jpg, and png.

- iii. Written consent from municipality – applies only if the project includes a gas pipeline and any section of that pipeline is located within a municipally-owned right-of-way. Written consent shall consist of one of the following:
  - A. Written consent from the municipality in the form of a resolution of the governing body or an ordinance
  - B. A municipal designation of the route pursuant to N.J.S.A. 48:9-25.4
  - C. A Board of Public Utilities designation of route pursuant to N.J.S.A. 48:9-25.4
  - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- iv. Traffic impact study – applies only if the proposed project will have the potential to result in the operation of any roadway in excess of Level of Service (LOS) D
  - **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip.
- v. A completed [Impervious Cover and Vegetative Cover Calculations Spreadsheet Form](#) – applies only if the proposed project is subject to compliance with the impervious and vegetative cover requirements at N.J.A.C. 7:7-13
  - **Electronic Submissions:** Acceptable file formats include pdf, xls, and xlsx.
- vi. Sediment Sampling Results – applies only to dredging projects. One of the following is required:
  - A. A copy of an executed [Sediment Sampling and Analysis Plan](#) along with:
    - Data summary tables that provide a comparison of the bulk sediment chemistry results to the Department's Soil Remediation Standards and the modified elutriate results to the New Jersey Surface Water Quality Criteria. The summary tables shall highlight all results that exceed applicable criteria; and
    - Sediment sample core profile/logs (full project depth).
  - B. Written confirmation from the Office of Dredging and Sediment Technology (ODST) for any testing exclusions identified at N.J.A.C. 7:7 Appendix G
    - **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip.
    - **Paper Submissions:** Data packages must be provided electronically along with one hard copy of the data summary tables.
- vii. Written consent from property owner – applies only to dredging projects where either temporary or final placement of dredge material will be located on a site not owned by the applicant
  - **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, jpg, and png.

13. A computer disk containing a copy of the entire application (Paper submissions ONLY)





State of New Jersey  
Department of Environmental Protection

Revised: April 15, 2019

Website: [www.nj.gov/dep/landuse](http://www.nj.gov/dep/landuse)



FRESHWATER WETLANDS APPLICATION CHECKLIST

General Permit 1—Maintenance of existing features

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

To apply for an authorization under general permit 1, please submit the information below to:

**Postal Mailing Address**

NJ Department of Environmental  
Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625-0420  
**Attn: Application Support**

**Street Address (Courier & Hand  
Carry Only)**

NJ Department of Environmental  
Protection  
Division of Land Use Regulation  
501 East State Street  
Station Plaza 5, 2<sup>nd</sup> Floor  
Trenton, New Jersey 08609  
**Attn: Application Support**

**Electronic Submission**

Access the submission system  
at <https://njdeponline.com>. Follow  
the registration process and create  
an account. To submit an  
application, select the service  
"Apply for a Land Use Permit or  
Authorization."

**DIRECTIONS:** All applicants must submit the materials in Section A.

Applicants seeking authorization of the ongoing maintenance of an off-stream stormwater management facility created in uplands, including a wetland constructed in uplands for stormwater management purposes after September 4, 2001 under N.J.A.C. 7:7A-7.1(b) must submit the materials in Section A and Section B. See N.J.A.C. 7:7A-19.3 for the application review process for this application.

Applicants seeking authorization for all other general permit 1 activities must submit the materials in Section A and Section C.

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

**SECTION A: REQUIREMENTS FOR ALL ACTIVITIES**

1. A completed [application form](#) (Paper submissions ONLY)

2. A completed [Property Owner Certification form](#) (Electronic submissions ONLY)

- Acceptable file formats include pdf, jpg, and png.

3. Public notice:

- **Electronic Submissions:** A completed [Public Notice form](#). Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 must be attached to the form (see below for details). Acceptable file formats include pdf, jpg, and png.
- **Paper Submissions:** Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 (see below for details).

Both electronic and paper submissions require documentation of public notice as follows:

i. Notice to municipal clerk (N.J.A.C. 7:7A-17.3(a))

A copy of the entire application, as submitted to the Department, must be provided to the municipal clerk in each municipality in which the site is located. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

- Documentation of compliance with this requirement shall consist of a copy of the certified United States Postal Service white mailing receipt, or other written receipt, for each copy of the application sent.

ii. Notice to governmental entities and property owners (N.J.A.C. 7:7A-17.3(b) and (c))

A brief description of the proposed project, a legible copy of the site plan, and the form notice letter described at N.J.A.C. 7:7A-17.3(e)1iii must be sent to the following recipients:

- A. The construction official of each municipality in which the site is located;
- B. The environmental commission, or other government agency with similar responsibilities, of each municipality in which the site is located;
- C. The planning board of each municipality in which the site is located;
- D. The planning board of each county in which the site is located;
- E. The local Soil Conservation District if the regulated activity or project will disturb 5,000 square feet or more of land; and
- F. Adjacent property owners:  
Unless the project is one listed at N.J.A.C. 7:7A-17.3(c)1-5 (which require different notice to property owners as described in the rules), notice shall be sent to all owners of real property, including easements, located within 200 feet of the site of the proposed regulated activity.

The owners of real property, including easements, shall be those on a list that was certified by the municipality, with a date of certification no more than one year prior to the date the application is submitted.

- Documentation of compliance with this requirement shall consist of:
  1. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt;
  2. A certified list of all owners of real property, including easements, located within 200 feet of the property boundary of the site (including name, mailing address, lot, and block) prepared by the municipality for each municipality in which the project is located. The date of certification of the list shall be no earlier than one year prior to the date the application is submitted to the Department; and
  3. A copy of the form notice letter.
- The form notice letter required under N.J.A.C. 7:7A-17.3(e)1iii shall read as follows:

*"This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 1 <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE PROPOSED PROJECT>>*

*The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:*

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Municipality in which the property is located) Supervisor"

iii. Newspaper notice (N.J.A.C. 7:7A-17.4)

Please refer to this portion of the rules for guidance on providing newspaper notice for certain large scale linear, public, or commercial projects.

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, payable through the online service via credit card or e-check, or to receive a bill, select "Bill Me" on the payment screen. Bills will be sent to the Fee Billing Contact identified in the service and must be paid directly to the Department of Treasury.
- **Paper Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, in the form of a check (personal, bank, certified, or attorney), money order, or government purchase order made payable to "Treasurer State of New Jersey."

**CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS**

**SECTION B: ADDITIONAL REQUIREMENTS FOR THE ONGOING MAINTENANCE OF AN OFF-STREAM STORMWATER MANAGEMENT FACILITY CREATED IN UPLANDS, INCLUDING A WETLAND CONSTRUCTED IN UPLANDS FOR STORMWATER MANAGEMENT PURPOSES AFTER SEPTEMBER 4, 2001 UNDER N.J.A.C. 7:7A-7.1(B)**

1. A copy of the permit, if any, authorizing the original construction of the stormwater management facility or a description of the facility
  - **Electronic Submissions:** The permit or description should be uploaded under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.
2. A copy of the USGS quad map(s) that includes the site, with the site clearly outlined to scale
  - **Electronic Submissions:** The map should be uploaded under the attachment type "Site Plans." Acceptable file formats include pdf and zip.
3. Photographs:
  - i. Color photographs or other visual representations that illustrate existing site conditions; and
  - ii. A photo location map showing the location and direction from which each photograph was taken.
  - **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
  - **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.



## SECTION C: ADDITIONAL REQUIREMENTS FOR ALL OTHER GENERAL PERMIT 1 ACTIVITIES

### 1. Proof of Lawful Existence:

Include proof that the project was lawfully existing prior to July 1, 1988 or was permitted under N.J.A.C. 7:7A, if available. Acceptable forms of proof include historic aerial photographs, approved site plans, and/or copies of issued permits.

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

### 2. Site plans:

All site plans must include the scale of the site plans, a north arrow, the name of the person who prepared the plans, date the site plans were prepared, and the applicant's name and the block, lot, and municipality in which the site is located. In addition, the site plans shall include the following information, both on and adjacent to the site, in accordance with N.J.A.C. 7:7A-16.7(a)4:

#### i. Existing features:

- A. Lot Lines and right of-way lines;
- B. Delineation of wetlands, transition areas, and State open waters;
- C. Land cover and vegetation; and
- D. Location, area, and details of previously authorized structure, fill, roadway, utility, ditch, or facility.

#### ii. Proposed regulated activities:

- A. Changes in lot lines;
- B. Location and area of any freshwater wetlands, transition areas, and State open waters that will be disturbed;
- C. Location, area, and details of maintenance activities;
- D. Details of any planting to restore temporarily disturbed areas in accordance with N.J.A.C. 7:7A-11.8.

#### iii. Topography:

- A. Existing and proposed topography. All topography must reference NGVD or include the appropriate conversion factor to NGVD.

#### iv. Soil erosion and sediment control:

- A. Details of any proposed soil erosion and sediment control measures.

- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:7A-16.2(j) and prepared according to the Department's [site plan specifications](#) for electronic site plans. All plans must be digitally signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4, with signatures and seals that meet the requirements of N.J.A.C. 13:40-8.1A. Site plans with electronic signatures, such as scans of site plans with a handwritten signature, will not be accepted.
- **Paper Submissions:** Three sets of site plans, certified in accordance with N.J.A.C. 7:7A-16.2(j). Prior to issuance of any permit, the Department will require four to five sets of final site plans. The site plans must be signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4.



3. Photographs:

- i. Color photographs depicting:
    - A. The existing site conditions; and
    - B. The location of the existing feature and proposed maintenance activities.
  - ii. A photo location map showing the location and direction from which each photograph was taken.
- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
  - **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

4. A compliance statement that includes the following:

- i. A description of the characteristics of the site and the location of all proposed regulated activities, potential impacts from the construction process, and, as applicable, any monitoring or reporting methods that will be used;
  - ii. The total area, in acres, of wetlands and State open waters on the site before the regulated activity is performed, and the total area, in acres, of wetlands and State open waters, on the site that will remain after the regulated activity is performed;
  - iii. A list of all limits and requirements of general permit 1 at N.J.A.C. 7:7A-7.1 that apply to the proposed activities and an explanation of how the activities comply with each requirement;
  - iv. A list of all limits and requirements at N.J.A.C. 7:7A-5.7, Conditions applicable to an authorization pursuant to a general permit-by-certification or a general permit, that apply to the proposed activities and an explanation of how the activities comply with each requirement;
  - v. If a site is known or suspected to be contaminated with toxic substances, and if the Department requests it, a laboratory analysis of representative samples of the soil or sediment on the site;
  - vi. Documentation regarding when the lot that is the subject of the general permit was created by subdivision;
  - vii. A history of the ownership of the property beginning June 30, 1988 to present;
  - viii. A listing of contiguous lots that were in common ownership with the lot on which the activities are proposed and the ownership history of each lot beginning June 30, 1988 to present;
  - ix. If the site is located in a municipality with the endangered plant known as swamp pink (*Helonias bullata*), which are listed in [Known Locations of Swamp Pink in NJ](#), a signed statement from the applicant certifying that the proposed activities will not result in any direct or indirect adverse impacts to swamp pink or its documented habitat;
  - x. If the site is located in a municipality with the endangered bog turtle (these municipalities are listed in [Known Locations of Bog Turtles in NJ](#)), a signed statement from the applicant, certifying that the proposed activities will not result in any direct or indirect adverse impacts to bog turtles or to their documented habitat; and
  - xi. If the site is located in an area designated a Wild and Scenic River, or under study for such designation, a letter from the National Park Service approving the proposed activities.
- **Electronic Submissions:** The compliance statement should be uploaded under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

5. Color copies of the following maps:

- i. The tax map for the property;

- ii. A copy of the portion of the county road map showing the property location; and
  - iii. A copy of the USGS quad map(s) that includes the site, with the site clearly outlined to scale.
- **Electronic Submissions:** The required maps should be uploaded with the compliance statement under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

✓/A

6. Location of wetlands:

The location of wetlands must be provided through one of the following:

- i. Documentation that a line delineation or line verification Letter of Interpretation (LOI) has been issued for the site; or
  - ii. All information necessary for a line delineation or line verification LOI as required by the appropriate LOI checklist, covering the portion of the site that will be affected by the general permit activity.
- **Electronic Submissions:** Acceptable file formats for an LOI include pdf, jpg, and png. If an appropriate LOI has not been issued for the site, the information required for a line delineation or line verification LOI should be included with the compliance statement under the attachment type "Environmental Report with Site Location Maps."

✓/A

7. Calculations and analyses:

- i. If the project is a major development as defined by N.J.A.C. 7:8-1.2, a demonstration of compliance with the requirements of the Stormwater Management Rules, N.J.A.C. 7:8.

All calculations or analyses submitted as part of an application must include the certification set forth at N.J.A.C. 7:7-23.2(j). Any necessary stormwater calculations must be signed and sealed by a New Jersey licensed professional engineer.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip unless stormwater calculations are necessary. Stormwater calculations must be digitally signed and sealed in accordance with N.J.A.C. 13:40-8.1A. Stormwater calculations with electronic signatures, such as scans of calculations with a handwritten signature, will not be accepted. Therefore, when calculations are necessary, the acceptable file formats are limited to pdf and zip.

8. Natural Heritage Program Letter:

A copy of an NJDEP, Office of Natural Lands Management Natural Heritage Database data request response for endangered or threatened species of flora or fauna, including a Landscape Map report, if available

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

✓/A

9. Additional requirements:

- i. Proof of ownership, such as a deed, if available – applies only if the current owner purchased the property before June 30, 1988

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

- ii. A Phase IA historical and archaeological survey, and an architectural survey, defined at N.J.A.C. 7:7A-1.3 – applies only if the application reflects any of the characteristics at N.J.A.C. 7:7A-19.5(l)

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip.

- iii. Highlands applicability determination (highlands exemption) – applies only if the project is located within the Highlands Preservation Area
  - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- iv. Conservation restriction – applies only if the proposed project is subject to an existing conservation restriction
  - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- v. Written consent from municipality – applies only if the project includes a gas pipeline and any section of that pipeline is located within a municipally-owned right-of-way. Written consent shall consist of one of the following:
  - A. Written consent from the municipality in the form of a resolution of the governing body or an ordinance
  - B. A municipal designation of the route pursuant to N.J.S.A. 48:9-25.4
  - C. A Board of Public Utilities designation of route pursuant to N.J.S.A. 48:9-25.4
  - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

10. A computer disk containing a copy of the entire application (Paper submissions ONLY)







**State of New Jersey**  
**Department of Environmental Protection**  
Revised: April 15, 2019      Website: [www.nj.gov/dep/landuse](http://www.nj.gov/dep/landuse)



**FLOOD HAZARD AREA APPLICATION CHECKLIST**  
**Individual Permit**

**CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS**

To apply for a flood hazard area individual permit, please submit the information below to:

**Postal Mailing Address**

NJ Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625-0420  
**Attn: Application Support**

**Street Address (Courier & Hand Carry Only)**

NJ Department of Environmental Protection  
Division of Land Use Regulation  
501 East State Street  
Station Plaza 5, 2<sup>nd</sup> Floor  
Trenton, New Jersey 08609  
**Attn: Application Support**

**Electronic Submission**

Access the submission system at <https://njdeponline.com>. Follow the registration process and create an account. To submit an application, select the service "Apply for a Land Use Permit or Authorization."

**CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS**

1. A completed [application form](#) (Paper submissions ONLY)
2. A completed [Property Owner Certification form](#) (Electronic submissions ONLY)
  - Acceptable file formats include pdf, jpg, and png.
3. Public notice:
  - **Electronic Submissions:** A completed [Public Notice form](#). Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:13-19 must be attached to the form (see below for details). Acceptable file formats include pdf, jpg, and png.
  - **Paper Submissions:** Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:13-19 (see below for details)

Both electronic and paper submissions require documentation of public notice as follows:

i. Notice to municipal clerk (N.J.A.C. 7:13-19.3(a))

A copy of the entire application, as submitted to the Department, must be provided to the municipal clerk in each municipality in which the site is located. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

- Documentation of compliance with this requirement shall consist of a copy of the certified United States Postal Service white mailing receipt, or other written receipt, for each copy of the application sent.



ii. Notice to governmental entities and property owners (N.J.A.C. 7:13-19.3(b) and (c))

A brief description of the proposed project, a legible copy of the site plan, and the form notice letter described at N.J.A.C. 7:13-19.3(d)1iii must be sent to the following recipients:

- A. The construction official of each municipality in which the site is located;
- B. The environmental commission, or other government agency with similar responsibilities, of each municipality in which the site is located;
- C. The planning board of each municipality in which the site is located;
- D. The planning board of each county in which the site is located;
- E. The local Soil Conservation District if the regulated activity or project will disturb 5,000 square feet or more of land; and
- F. Adjacent property owners:

If the application is for one of the following projects (listed at N.J.A.C. 7:13-19.3(c)1-6), notice shall be sent to all owners of real property, including easements, located within 200 feet of any proposed above-ground structure, except for any conveyance lines suspended above the ground or small utility support structures (e.g. telephone poles):

- A linear project of one-half mile or longer
- A public project on a site of 50 acres or more
- An industrial or commercial project on a site of 100 acres or more
- A project to remove sediment or debris from a channel of one-half mile or longer

For any other project, notice shall be sent to all owners of real property, including easements, located within 200 feet of the site of the proposed regulated activity.

The owners of real property, including easements, shall be those on a list that was certified by the municipality, with a date of certification no more than one year prior to the date the application is submitted.

- Documentation of compliance with this requirement shall consist of:
  - 1. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt;
  - 2. A certified list of all owners of real property, including easements, located within 200 feet of the property boundary of the site (including name, mailing address, lot, and block) prepared by the municipality for each municipality in which the project is located. The date of certification of the list shall be no earlier than one year prior to the date the application is submitted to the Department; and
  - 3. A copy of the form notice letter.
- The form notice letter required under N.J.A.C. 7:13-19.3(d)1iii shall read as follows:

*"This letter is to provide you with legal notification that an application for a flood hazard area individual permit <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE PROPOSED PROJECT>>*

*The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:*

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Municipality in which the property is located) Supervisor"

iii. Newspaper notice (N.J.A.C. 7:13-19.4)

Newspaper notice, in the form of a legal notice or display advertisement in the official newspaper of the municipality(ies) in which the project site is located, or if no official newspaper exists, in a newspaper with general circulation in the municipality(ies), is required for the following projects:

- A. A linear project of one-half mile or longer
- B. A public project on a site of 50 acres or more
- C. An industrial or commercial project on a site of 100 acres or more
- D. A project to remove sediment or debris from a channel of one-half mile or longer

If your project is not one listed above, newspaper notice is not required.

- Documentation of newspaper notice shall consist of:
  - 1. A copy of the published newspaper notice; and
  - 2. The date and name of the newspaper in which notice was published.
- The newspaper notice may be either a legal notice or display advertisement and must read as follows:

*"Take notice that an application for a flood hazard area individual permit<<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:*

*APPLICANT:*

*PROJECT NAME:*

*PROJECT DESCRIPTION:*

*PROJECT STREET ADDRESS:*

*BLOCK:            LOT:*

*MUNICIPALITY:    COUNTY:*

*The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:*

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
501 East State Street  
Trenton, New Jersey 08625  
Attn: Municipality in which the property is located) Supervisor"

iv. Notice for an individual permit based on a hardship exception

For an application for an individual permit based on a hardship exception, the notice letter (and newspaper notice, if applicable) must contain the following information in the project description:

- A. A description of the nature of the hardship; and
- B. The citation and subject matter of each requirement in this chapter for which the hardship exception is being requested.

v. Notice for projects located in the Pinelands Area

For a project in the Pinelands Area as designated under the Pinelands Protection Act at N.J.S.A. 13:18A-11.a, documentation showing that a copy of the application form has been provided to the New Jersey Pinelands Commission. For electronic submissions, the "application form" will consist of a description of the project, including the lot, block, municipality, and county, and the specific permit(s)/authorization(s) being sought.

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:13-20.1, payable through the online service via credit card or e-check, or to receive a bill, select "Bill Me" on the payment screen. Bills will be sent to the Fee Billing Contact identified in the service and must be paid directly to the Department of Treasury.
- **Paper Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:13-20.1, in the form of a check (personal, bank, certified, or attorney), money order, or government purchase order made payable to "Treasurer State of New Jersey."

5. Site plans:

All site plans must include the scale of the site plans, a north arrow, the name of the person who prepared the plans, date the site plans were prepared, and the applicant's name and the block, lot, and municipality in which the site is located. In addition, the site plans shall include the following information, both on and adjacent to the site, in accordance with N.J.A.C. 7:13-18.4(a)4:

- i. Existing features such as lot lines, structures, land coverage, and vegetation;
- ii. All proposed regulated activities such as changes in lot lines; the size, location, and details of any proposed structures, roads, or utilities; details of any clearing, grading, filling, and excavation; the location and area of any riparian zone vegetation that will be disturbed; cross-sections of regulated waters or water control structures being analyzed; and the anticipated limits of disturbance;
- iii. Topography:
  - A. Existing and proposed topography where necessary to demonstrate that the proposed regulated activity or project meets the requirements of this chapter. All topography must reference NGVD or include the appropriate conversion factor to NGVD.
- iv. Soil erosion and sediment control:
  - A. Details of any proposed soil erosion and sediment control measures.
- v. Riparian zone:
  - A. The location of any riparian zone onsite (see N.J.A.C 7:13-4.1); and
  - B. The limits of the regulated water including the "top of bank" and the "centerline" for linear waters. Where the top of bank is not discernible, show the limits of the two-year flood, for a linear *regulated water* that has a *drainage area* of 150 acres or more.
  - C. Details of proposed mitigation in accordance with N.J.A.C. 7:13-13).

- vi. Metes and bounds description:
  - A. A metes and bounds description of any existing and proposed flood hazard area and floodway limits onsite; and
  - B. Identification of the method at N.J.A.C. 7:13-3 that was used to determine these limits.
- vii. Flood hazard area/floodway information:
  - A. If the entire site lies within a flood hazard area and/or floodway, the site plans shall indicate this; and
  - B. The elevation(s) of the flood hazard area design flood throughout the site.
- viii. Details of construction proposed in a regulated water:
  - A. A thorough description of proposed construction methods;
  - B. A timetable for construction; and
  - C. Details of any trenching, diversionary channels, temporary piping, and other disturbances to the regulated water.
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:13-18.2(j) and prepared according to the Department's [site plan specifications](#) for electronic site plans. All plans must be digitally signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4, with signatures and seals that meet the requirements of N.J.A.C. 13:40-8.1A. Site plans with electronic signatures, such as scans of site plans with a handwritten signature, will not be accepted.
- **Paper Submissions:** Three sets of site plans certified in accordance with N.J.A.C. 7:13-18.2(j). Prior to issuance of any permit, the Department will require four to five sets of final site plans. The site plans must be signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4.

**NOTE:** In accordance with N.J.A.C. 7:13-18.2(h) et seq., an applicant may elect to prepare his or her own plan if both of the following are true: (1) the applicant proposes the construction of a single-family home or duplex or an accessory structure, such as a patio, garage, or shed on his or her own property for his or her own use and (2) the proposed regulated activity or project is one for which no survey, topography, or calculations are necessary to demonstrate the requirements of this chapter are met.

- 6. Photographs:
    - i. Color photographs depicting:
      - A. The entire project area; and
      - B. Any sections of channel or riparian zone that will be disturbed by the project.
    - ii. A photo location map showing the location and direction from which each photograph was taken.
  - **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
  - **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.
- 7. An engineering report prepared in accordance with N.J.A.C. 7:13-18.5 that includes:
    - i. The signature and seal of an engineer;
    - ii. The name, address, and telephone number of the engineer, as well as any other person designated by the engineer to answer questions about the report;

- iii. All supporting hydrologic, hydraulic, flood storage volume, stormwater and structural calculations that are necessary to demonstrate that the application meets the requirements of N.J.A.C. 7:13;
  - iv. A narrative that explains the submitted calculations and describes why each particular calculation or methodology was used;
  - v. All maps, references, and other supporting materials that were used to prepare the submitted calculations;
  - vi. The total area of impervious surface proposed and the total land area that will be disturbed;
  - vii. For an application for an individual permit for which the Department is reviewing a stormwater management plan pursuant to N.J.A.C. 7:13-12.2, the following information where applicable:
    - A. An explanation of how nonstructural stormwater management strategies have been maximized on site, as required at N.J.A.C. 7:8-5.3;
    - B. A demonstration of how the regulated activity and/or project meets the groundwater recharge standards at N.J.A.C. 7:8-5.4(a)2;
    - C. A table which compares existing and proposed stormwater discharges for the two-year, 10-year, and 100-year storm in order to demonstrate compliance with the runoff quantity standards at N.J.A.C. 7:8-5.4(a)3; and
    - D. An explanation of how the regulated activity and/or project meets the water quality standards at N.J.A.C. 7:8-5.5;
  - viii. For an application for an individual permit for a project located in the Central Passaic Basin that relies on fill credits, as described at N.J.A.C. 7:13-11.4(s) and (t), documentation that the fill credits have been purchased by the applicant prior to the submittal of the application; and
  - ix. For all applications, the certification set forth at N.J.A.C. 7:13-18.2(j).
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Engineering reports must be digitally signed and sealed by a New Jersey licensed professional engineer. Digital signatures and seals must meet the requirements of N.J.A.C. 13:40-8.1A. Engineering reports with electronic signatures, such as scans of reports with a handwritten signature, will not be accepted.
  - **Paper Submissions:** Three copies of the engineering report are required.

8. An environmental report prepared in accordance with N.J.A.C. 7:13-18.6 that includes:
- i. A narrative describing the proposed design and the construction techniques that will be used;
  - ii. The following maps:
    - A. Maps that provide an environmental inventory of the site such as the freshwater wetlands maps and the USDA soil survey; and
    - B. A copy of a Department flood hazard area map or FEMA flood insurance rate map with the site clearly outlined to scale, if such mapping exists.
  - iii. For projects proposing disturbance to the riparian zone, include a chart which details the proposed regulated activity, the maximum allowable area of vegetation disturbance as set forth in N.J.A.C. 7:13-11, the proposed areas of disturbance, whether the disturbance is temporary or permanent, the amount of mitigation required, and the amount of mitigation proposed. Provide total area for riparian zone disturbance (permanent & temporary) and mitigation required and proposed. Disturbance and mitigation amounts should be provided in square feet and acres; and
  - iv. An analysis of any potential temporary and/or permanent adverse environmental impact(s), whether onsite or offsite, of the proposed regulated activity or project on regulated waters, channels, riparian zones, fishery resources, and threatened or endangered species and their habitat, which includes:
    - A. A justification for the proposed regulated activity or project, including an explanation of why any proposed regulated activity or project and its location is the most appropriate for the



- site, and how the proposed location and design minimizes adverse environmental impact(s) to the resources;
- B. An analysis of alternatives to the proposed regulated activity or project, including a no-build alternative;
  - C. A description of all measures to be taken to reduce any potential adverse environmental impact(s) to the resources;
  - D. A plan to mitigate the effects of all adverse environmental impacts; and
  - E. Any monitoring or reporting methods that will be used.
- v. For an individual permit for activities which are likely to either disturb an area known to contain a threatened or endangered species or disturb any habitat that could support a threatened or endangered species, a survey for threatened or endangered species and their habitat. This survey shall be performed by a person with education and experience in wildlife biology, zoology, and/or botany, as appropriate, and shall include:
- A. The name, address, and qualifications of all persons participating in the survey;
  - B. The acreage of the surveyed area;
  - C. A USGS quad map with the surveyed area for each threatened or endangered species and their habitat outlined;
  - D. A description of each habitat and cover type onsite including vegetation, hydrology, soils, and natural communities. These habitats shall be assessed for suitability and compatibility to the life history of the threatened or endangered species being investigated. If no threatened or endangered species are observed, a discussion of the site's suitability for such species shall be provided;
  - E. The date and time of the investigation (including total number of hours spent by each observer for species observation);
  - F. The number of observers present on the site at any one time, including their location on the site relative to one another;
  - G. Site conditions during the survey, such as precipitation, temperature, wind speed and direction, artificial or natural noise, and nearest onsite or offsite human activity or development;
  - H. If the survey reveals the presence or evidence of a threatened or endangered species, detailed information regarding each sighting, including:
    - Whether the subject was sighted directly or identified by call, track, scat, remains, or other indirect evidence of presence;
    - The date(s) and time(s) of each such sighting or discovery of evidence;
    - The relative age and condition of any indirect evidence observed and its location on the property;
    - A description of the techniques and methodologies employed by the observer during the site investigation;
    - If a wildlife species is observed directly, the number of each species observed, likely age, observed activity, gender, location on or near the site, and proximity to the observer at each sighting; and
    - If a plant species is observed directly, the number of each species observed and its location on or near the site; and
  - I. The certification set forth at N.J.A.C. 7:13-18.2(j).
- vi. For regulated activities requiring an individual permit where activities are proposed within the inner 150 feet of the 300-foot riparian zone, provide documentation that demonstrates:

- A. There is no practicable alternative to the regulated activity that would have less adverse impact on the regulated areas and which would not significantly compromise other environmental resources;
- B. The regulated activity results in the minimum feasible alteration or impairment of the riparian or aquatic ecosystem;
- C. The regulated activity complies with the applicable water quality standards and requirements; and
- D. The regulated activity is in the public interest, including consideration of the following:
  - The practicability of using reasonable alternative locations and methods to accomplish the purpose of the proposed regulated activity;
  - The functions and values provided by the riparian zone proposed to be impacted; and
  - The probable individual and cumulative impacts of the regulated activity on public health, safety, and welfare, and the environment.

vii. For an activity or project in the Pinelands Area as designated by Section 10(a) of the Pinelands Protection Act, N.J.S.A. 13:18-1 et seq., a Certificate of Filing, a Certificate of Completeness, or a resolution approving an application for public development, issued by the NJ Pinelands Commission.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip.
- **Paper Submissions:** Three copies of the environmental report are required.

V/A 9. Color copies of the following maps:

- i. The tax map for the property;
- ii. A copy of the portion of the county road map showing the property location; and
- iii. A copy of the USGS quad map(s) that include the site, with the site clearly outlined to scale.

- **Electronic Submissions:** The required maps should be uploaded with the compliance statement under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

V/A 10. Calculations and analyses:

- i. If the project is a major development as defined by N.J.A.C. 7:8-1.2, a demonstration of compliance with the requirements of the Stormwater Management Rules, N.J.A.C. 7:8.

All calculations or analyses submitted as part of an application must include the certification set forth at N.J.A.C. 7:7-23.2(j). Any necessary stormwater calculations must be signed and sealed by a New Jersey licensed professional engineer.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip unless stormwater calculations are necessary. Stormwater calculations must be digitally signed and sealed in accordance with N.J.A.C. 13:40-8.1A. Stormwater calculations with electronic signatures, such as scans of calculations with a handwritten signature, will not be accepted. Therefore, when calculations are necessary, the acceptable file formats are limited to pdf and zip.

11. Natural Heritage Program Letter:

A copy of an NJDEP, Office of Natural Lands Management Natural Heritage Database data request response for endangered or threatened species of flora or fauna, including a Landscape Map report, if available

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

N/A 12. Mitigation:

For an activity that requires mitigation in accordance with N.J.A.C. 7:13, the applicant may submit a mitigation proposal as part of the application for the individual permit. If the applicant does not submit a mitigation proposal with the application, the applicant must submit the mitigation proposal at least 90 calendar days before the start of activities authorized by the permit, in accordance with N.J.A.C. 7:13-13.

- **Electronic Submissions:** If a mitigation proposal is available at the time of submission, the service will provide an attachment type for "Mitigation Proposal." Alternatively, it may be uploaded separately at a later time through the service "Submit Additional Information for a Land Use Permit or Authorization." Acceptable file formats include pdf, doc, docx, rtf, and zip.

N/A 13. Additional requirements:

- i. Highlands applicability determination (highlands exemption) – applies only if the project is located within the Highlands Preservation Area
  - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- ii. Conservation restriction – applies only if the proposed project is subject to an existing conservation restriction
  - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- iii. Written consent from municipality – applies only if the project includes a gas pipeline and any section of that pipeline is located within a municipally-owned right-of-way. Written consent shall consist of one of the following:
  - A. Written consent from the municipality in the form of a resolution of the governing body or an ordinance
  - B. A municipal designation of the route pursuant to N.J.S.A. 48:9-25.4
  - C. A Board of Public Utilities designation of route pursuant to N.J.S.A. 48:9-25.4
  - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

14. A computer disk containing a copy of the entire application (Paper submissions ONLY)



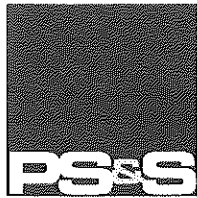


## **ATTACHMENT B**

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### **Verification of Public Notifications**





67B Mountain Boulevard Extension  
P.O. Box 4039  
Warren, NJ 07059  
732.560.9700

December 2019  
01520.0168

### Notification to Municipal Clerk

Re: Multi-Permit Application for:  
Freshwater Wetlands General Permit No. 1  
Coastal General Permit No. 19  
Coastal Wetlands Permit  
Flood Hazard Area Individual Permit  
Water Quality Certificate  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

Dear Municipal Clerk:

One complete copy of this application is provided to you for your files and for public review in the Clerk's office pursuant to N.J.A.C. 7:7A-17.3, N.J.A.C. 7:7-24.3 and N.J.A.C. 7:13-19.3. Jersey Central Power and Light Company (JCP&L) will submit an application to the New Jersey Department of Environmental Protection (NJDEP), Department of Land Use Regulation (DLUR) for a Freshwater Wetlands General Permit No. 1, Coastal General Permit No. 19, Coastal Wetlands Permit, Flood Hazard Area Individual Permit, and Water Quality Certificate for the work to be performed as described in the enclosed application. The permit is required for vegetative maintenance as well as utility infrastructure maintenance, repair and replacement activities within areas including freshwater wetlands, transition areas, and/or state open waters. The text required for the public notice of each permit follows this letter.

This notification has been sent to the following municipalities and counties in northern and central New Jersey. The municipalities indicated with an asterisk (\*) are located within the Coastal Area Facility Review Act area for which the Coastal General Permit No. 19 applies.

#### **Burlington County**

Chesterfield Twp.  
New Hanover Twp.  
North Hanover Twp.  
Pemberton Boro  
Pemberton Twp.  
Southampton Twp.  
Springfield Twp.  
Woodland Twp.  
Wrightstown Boro

#### **Essex County**

Livingston Twp.  
Maplewood Twp.  
Millburn Twp.

#### **Hunterdon County**

Alexandria Twp.  
Bethlehem Twp.

#### **Hunterdon County Continued**

Bloomsbury Boro  
Califon Boro  
Clinton, Town of  
Clinton Twp.  
Delaware Twp.  
East Amwell Twp.  
Flemington Boro  
Franklin Twp.  
Frenchtown Boro  
Glen Gardner Boro  
Hampton Boro  
High Bridge Boro  
Holland Twp.  
Kingwood Twp.  
Lambertville, City of  
Lebanon Boro  
Lebanon Twp.  
Milford Boro

#### **Hunterdon County Continued**

Raritan Twp.  
Readington Twp.  
Stockton Boro  
Tewksbury Twp.  
Union Twp.  
West Amwell Twp.

#### **Mercer County**

East Windsor Twp.  
Hightstown Boro  
Hopewell Twp.  
Robbinsville Twp.  
West Windsor Twp.

#### **Middlesex County**

Cranbury Twp.  
East Brunswick Twp.  
Helmetta Boro

**Middlesex County Continued**

Jamesburg Boro  
Monroe Twp.  
Old Bridge Twp.  
Sayreville Boro  
South Amboy, City of  
South Brunswick Twp.  
Spotswood Boro

**Monmouth County**

Aberdeen Twp.\*  
Allenhurst Boro\*  
Asbury Park, City of\*  
Atlantic Highlands Boro\*  
Avon-by-the Sea Boro\*  
Belmar Boro\*  
Bradley Beach Boro\*  
Brielle Boro\*  
Colts Neck Twp.  
Deal Boro\*  
Eatontown Boro\*  
Englishtown Boro  
Fair Haven Boro\*  
Farmingdale Boro  
Freehold Boro  
Freehold Twp.  
Hazlet Twp.\*  
Highlands Boro\*  
Holmdel Twp. \*  
Howell Twp.  
Interlaken Boro\*  
Keansburg Boro\*  
Keyport Boro\*  
Lake Como Boro\*  
Little Silver Boro\*  
Loch Arbour, Village of\*  
Long Branch, City of\*  
Manalapan Twp.  
Manasquan Boro\*  
Marlboro Twp.  
Matawan Boro\*  
Middletown Twp. \*  
Millstone Twp.  
Monmouth Beach Boro\*  
Neptune City Boro\*  
Neptune Twp.  
Oceanport Boro\*  
Ocean Twp.\*  
Red Bank Boro\*  
Roosevelt Boro  
Rumson Boro\*  
Sea Bright Boro\*  
Sea Girt Boro\*  
Shrewsbury Boro\*  
Shrewsbury Twp.  
Spring Lake Boro\*  
Spring Lake Heights Boro\*  
Tinton Falls Boro  
Union Beach Boro\*  
Upper Freehold Twp.

**Monmouth County Continued**

Wall Twp.\*  
West Long Branch Boro\*

**Morris County**

Boonton, Town of  
Boonton Twp.  
Butler Boro  
Chatham Boro  
Chatham Twp.  
Chester Boro  
Chester Twp.  
Denville Twp.  
Dover, Town of  
East Hanover Twp.  
Florham Park Boro  
Hanover Twp.  
Harding Twp.  
Jefferson Twp.  
Kinnelon Boro  
Lincoln Park Boro  
Long Hill Twp.  
Madison Boro  
Mendham Boro  
Mendham Twp.  
Mine Hill Twp.  
Montville Twp.  
Morris Twp.  
Morristown, Town of  
Morris Plains Boro  
Mountain Lakes Boro  
Mt. Arlington Boro  
Mt. Olive Twp.  
Netcong Boro  
Parsippany-Troy Hills Twp.  
Pequannock Twp.  
Randolph Twp.  
Riverdale Boro  
Rockaway Boro  
Rockaway Twp.  
Roxbury Twp.  
Victory Gardens Boro  
Washington Twp.  
Wharton Boro

**Ocean County**

Barnegat Twp.\*  
Bay Head Boro\*  
Beachwood Boro\*  
Berkeley Twp. \*  
Brick Twp.\*  
Island Heights Boro\*  
Jackson Twp.\*  
Lacey Twp.\*  
Lakehurst Boro\*  
Lakewood Twp.\*  
Lavallette Boro\*  
Manchester Twp.\*  
Mantoloking Boro\*  
Ocean Twp.\*

**Ocean County Continued**

Ocean Gate Boro\*  
Pine Beach Boro\*  
Plumsted Twp.  
Point Pleasant Boro\*  
Point Pleasant Beach Boro\*  
Seaside Heights Boro\*  
Seaside Park Boro\*  
South Toms River\*  
Toms River\*

**Passaic County**

Bloomington Boro  
Pompton Lakes Boro  
Ringwood Boro  
Wanaque Boro  
Wayne Twp.  
West Milford Twp.

**Somerset County**

Bedminster Twp.  
Bernards Twp.  
Bernardsville Boro  
Branchburg Twp.  
Bridgewater Twp.  
Far Hills Boro  
Green Brook Twp.  
Hillsborough Twp.  
Peapack-Gladstone Boro  
Warren Twp.  
Watchung Boro

**Sussex County**

Andover Boro  
Andover Twp.  
Branchville Boro  
Byram Twp.  
Frankford Twp.  
Franklin Boro  
Fredon Twp.  
Green Twp.  
Hamburg Boro  
Hampton Twp.  
Hardyston Twp.  
Hopatcong Boro  
Lafayette Twp.  
Montague Twp.  
Newton, Town of  
Ogdensburg Boro  
Sandyston Twp.  
Sparta Twp.  
Stanhope Boro  
Stillwater Twp.\*  
Sussex Boro  
Vernon Twp.  
Walpack Twp.  
Wantage Twp.

**Union County**

Berkeley Heights Twp.



**Union County Continued**

Mountainside Boro  
New Providence Boro  
Springfield Twp.  
Summit, City of

**Warren County**

Allamuchy Twp.  
Alpha Boro  
Belvidere, Town of  
Blairstown Twp.

**Warren County Continued**

Franklin Twp.  
Frelinghuysen Twp.  
Greenwich Twp.  
Hackettstown, Town of  
Hardwick Twp.  
Harmony Twp.  
Hope Twp.  
Independence Twp.  
Knowlton Twp.  
Liberty Twp.

**Warren County Continued**

Lopatcong Twp.  
Mansfield Twp.  
Oxford Twp.  
Phillipsburg, Town of  
Pohatcong Twp.  
Washington Boro  
Washington Twp.  
White Twp.

Written comments may be submitted to the New Jersey Department of Environmental Protection as described in the attached Public Notices. If you have any questions about the application, you can contact the undersigned.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC



Jennifer Gorni  
67B Mountain Boulevard Extension  
Warren, NJ 07059

**Attachments:** Public Notices  
Complete Copy of Multi-Permit Application

December 2019  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice**  
**Freshwater Wetlands General Permit No.1**

This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 1 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

**Public Notice**  
**Coastal General Permit No. 19**

This letter is to provide you with legal notification that an application for an authorization under coastal general permit 19 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

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New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

December 2019

Jersey Central Power and Light Company (JCP&L)

Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities

235 Municipalities, 13 Counties, New Jersey

**Public Notice  
Coastal Wetlands Permit**

This letter is to provide you with legal notification that an application for a coastal wetlands individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection

Division of Land Use Regulation

P.O. Box 420, Code 501-02A

Trenton, New Jersey 08625

Attn: (Your Municipality) Supervisor

**Public Notice  
Flood Hazard Area Individual Permit**

Take notice that an application for a flood hazard area individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT: Jersey Central Power & Light (JCP&L)

PROJECT NAME: Vegetative and Structural Maintenance

PROJECT DESCRIPTION: Vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

PROJECT STREET ADDRESS: Various

BLOCK: Various

LOT: Various

MUNICIPALITY: Various

COUNTY: Various

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection

Division of Land Use Regulation

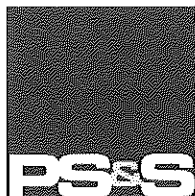
P.O. Box 420, Code 501-02A

501 East State Street

Trenton, New Jersey 08625

Attn: (Your Municipality) Supervisor





67B Mountain Boulevard Extension  
P.O. Box 4039  
Warren, NJ 07059  
732.560.9700

December 2019  
01520.0168

### Notification to Municipal Planning Board

Re: Multi-Permit Application for:

Freshwater Wetlands General Permit No. 1  
Coastal General Permit No. 19  
Coastal Wetlands Permit  
Flood Hazard Area Individual Permit  
Water Quality Certificate  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

Dear Municipal Planning Board:

This letter is to provide you with legal notification that an application will be submitted to the New Jersey Department of Environmental Protection (NJDEP), Department of Land Use Regulation (DLUR) for a Freshwater Wetlands General Permit No. 1, Coastal General Permit No. 19, Coastal Wetlands Permit, Flood Hazard Area Individual Permit, and Water Quality Certificate for the work to be performed as described in the enclosed application form. The permit is required for vegetative maintenance as well as utility infrastructure maintenance, repair and replacement activities within areas including freshwater wetlands, transition areas, and/or state open waters. The text required for the public notice of each permit is attached.

This notification has been sent to the following municipalities and counties in northern and central New Jersey. The municipalities indicated with an asterisk (\*) are located within the Coastal Area Facility Review Act area for which the Coastal General Permit No. 19 applies.

#### **Burlington County**

Chesterfield Twp.  
New Hanover Twp.  
North Hanover Twp.  
Pemberton Boro  
Pemberton Twp.  
Southampton Twp.  
Springfield Twp.  
Woodland Twp.  
Wrightstown Boro

#### **Essex County**

Livingston Twp.  
Maplewood Twp.  
Millburn Twp.

#### **Hunterdon County**

Alexandria Twp.  
Bethlehem Twp.  
Bloomsbury Boro

#### **Hunterdon County Continued**

Califon Boro  
Clinton, Town of  
Clinton Twp.  
Delaware Twp.  
East Amwell Twp.  
Flemington Boro  
Franklin Twp.  
Frenchtown Boro  
Glen Gardner Boro  
Hampton Boro  
High Bridge Boro  
Holland Twp.  
Kingwood Twp.  
Lambertville, City of  
Lebanon Boro  
Lebanon Twp.  
Milford Boro  
Raritan Twp.  
Readington Twp.

#### **Hunterdon County Continued**

Stockton Boro  
Tewksbury Twp.  
Union Twp.  
West Amwell Twp.

#### **Mercer County**

East Windsor Twp.  
Hightstown Boro  
Hopewell Twp.  
Robbinsville Twp.  
West Windsor Twp.

#### **Middlesex County**

Cranbury Twp.  
East Brunswick Twp.  
Helmetta Boro  
Jamesburg Boro  
Monroe Twp.  
Old Bridge Twp.



**Middlesex County Continued**

Sayreville Boro  
South Amboy, City of  
South Brunswick Twp.  
Spotswood Boro

**Monmouth County**

Aberdeen Twp.\*  
Allenhurst Boro\*  
Asbury Park, City of\*  
Atlantic Highlands Boro\*  
Avon-by-the Sea Boro\*  
Belmar Boro\*  
Bradley Beach Boro\*  
Brielle Boro\*  
Colts Neck Twp.  
Deal Boro\*  
Eatontown Boro\*  
Englishtown Boro  
Fair Haven Boro\*  
Farmingdale Boro  
Freehold Boro  
Freehold Twp.  
Hazlet Twp.\*  
Highlands Boro\*  
Holmdel Twp.\*  
Howell Twp.  
Interlaken Boro\*  
Keansburg Boro\*  
Keyport Boro\*  
Lake Como Boro\*  
Little Silver Boro\*  
Loch Arbour, Village of\*  
Long Branch, City of\*  
Manalapan Twp.  
Manasquan Boro\*  
Marlboro Twp.  
Matawan Boro\*  
Middletown Twp.\*  
Millstone Twp.  
Monmouth Beach Boro\*  
Neptune City Boro\*  
Neptune Twp.  
Oceanport Boro\*  
Ocean Twp.\*  
Red Bank Boro\*  
Roosevelt Boro  
Rumson Boro\*  
Sea Bright Boro\*  
Sea Girt Boro\*  
Shrewsbury Boro\*  
Shrewsbury Twp.  
Spring Lake Boro\*  
Spring Lake Heights Boro\*  
Tinton Falls Boro  
Union Beach Boro\*  
Upper Freehold Twp.

**Monmouth County Continued**

Wall Twp.\*  
West Long Branch Boro\*

**Morris County**

Boonton, Town of  
Boonton Twp.  
Butler Boro  
Chatham Boro  
Chatham Twp.  
Chester Boro  
Chester Twp.  
Denville Twp.  
Dover, Town of  
East Hanover Twp.  
Florham Park Boro  
Hanover Twp.  
Harding Twp.  
Jefferson Twp.  
Kinnelon Boro  
Lincoln Park Boro  
Long Hill Twp.  
Madison Boro  
Mendham Boro  
Mendham Twp.  
Mine Hill Twp.  
Montville Twp.  
Morris Twp.  
Morristown, Town of  
Morris Plains Boro  
Mountain Lakes Boro  
Mt. Arlington Boro  
Mt. Olive Twp.  
Netcong Boro  
Parsippany-Troy Hills Twp.  
Pequannock Twp.  
Randolph Twp.  
Riverdale Boro  
Rockaway Boro  
Rockaway Twp.  
Roxbury Twp.  
Victory Gardens Boro  
Washington Twp.  
Wharton Boro

**Ocean County**

Barnegat Twp.\*  
Bay Head Boro\*  
Beachwood Boro\*  
Berkeley Twp.\*  
Brick Twp.\*  
Island Heights Boro\*  
Jackson Twp.\*  
Lacey Twp.\*  
Lakehurst Boro\*  
Lakewood Twp.\*  
Lavallette Boro\*

**Ocean County Continued**

Manchester Twp.\*  
Mantoloking Boro\*  
Ocean Twp.\*  
Ocean Gate Boro\*  
Pine Beach Boro\*  
Plumsted Twp.  
Point Pleasant Boro\*  
Point Pleasant Beach Boro\*  
Seaside Heights Boro\*  
Seaside Park Boro\*  
South Toms River\*  
Toms River

**Passaic County**

Bloomington Boro  
Pompton Lakes Boro  
Ringwood Boro  
Wanaque Boro  
Wayne Twp.  
West Milford Twp.

**Somerset County**

Bedminster Twp.  
Bernards Twp.  
Bernardsville Boro  
Branchburg Twp.  
Bridgewater Twp.  
Far Hills Boro  
Green Brook Twp.  
Hillsborough Twp.  
Peapack-Gladstone Boro  
Warren Twp.  
Watchung Boro

**Sussex County**

Andover Boro  
Andover Twp.  
Branchville Boro  
Byram Twp.  
Frankford Twp.  
Franklin Boro  
Fredon Twp.  
Green Twp.  
Hamburg Boro  
Hampton Twp.  
Hardyston Twp.  
Hopatcong Boro  
Lafayette Twp.  
Montague Twp.  
Newton, Town of  
Ogdensburg Boro  
Sandyston Twp.  
Sparta Twp.  
Stanhope Boro  
Stillwater Twp.  
Sussex Boro

December 2019

Page 3

**Sussex County Continued**

Vernon Twp.  
Walpack Twp.  
Wantage Twp.

**Union County**

Berkeley Heights Twp.  
Mountainside Boro  
New Providence Boro  
Springfield Twp.  
Summit, City of

**Warren County**

Allamuchy Twp.  
Alpha Boro  
Belvidere, Town of  
Blairstown Twp.  
Franklin Twp.  
Frelinghuysen Twp.  
Greenwich Twp.  
Hackettstown, Town of  
Hardwick Twp.  
Harmony Twp.  
Hope Twp.

**Warren County Continued**

Independence Twp.  
Knowlton Twp.  
Liberty Twp.  
Lopatcong Twp.  
Mansfield Twp.  
Oxford Twp.  
Phillipsburg, Town of  
Pohatcong Twp.  
Washington Boro  
Washington Twp.  
White Twp.

Written comments may be submitted to the New Jersey Department of Environmental Protection as described in the attached Public Notices. If you have any questions about the application, you can contact the undersigned.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC



Jennifer Gormi  
67B Mountain Boulevard Extension  
Warren, NJ 07059

**Attachments:**      Public Notices

December 2019  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice**  
**Freshwater Wetlands General Permit No.1**

This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 1 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

**Public Notice**  
**Coastal General Permit No. 19**

This letter is to provide you with legal notification that an application for an authorization under coastal general permit 19 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

December 2019

Jersey Central Power and Light Company (JCP&L)

Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice  
Coastal Wetlands Permit**

This letter is to provide you with legal notification that an application for a coastal wetlands individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

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New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

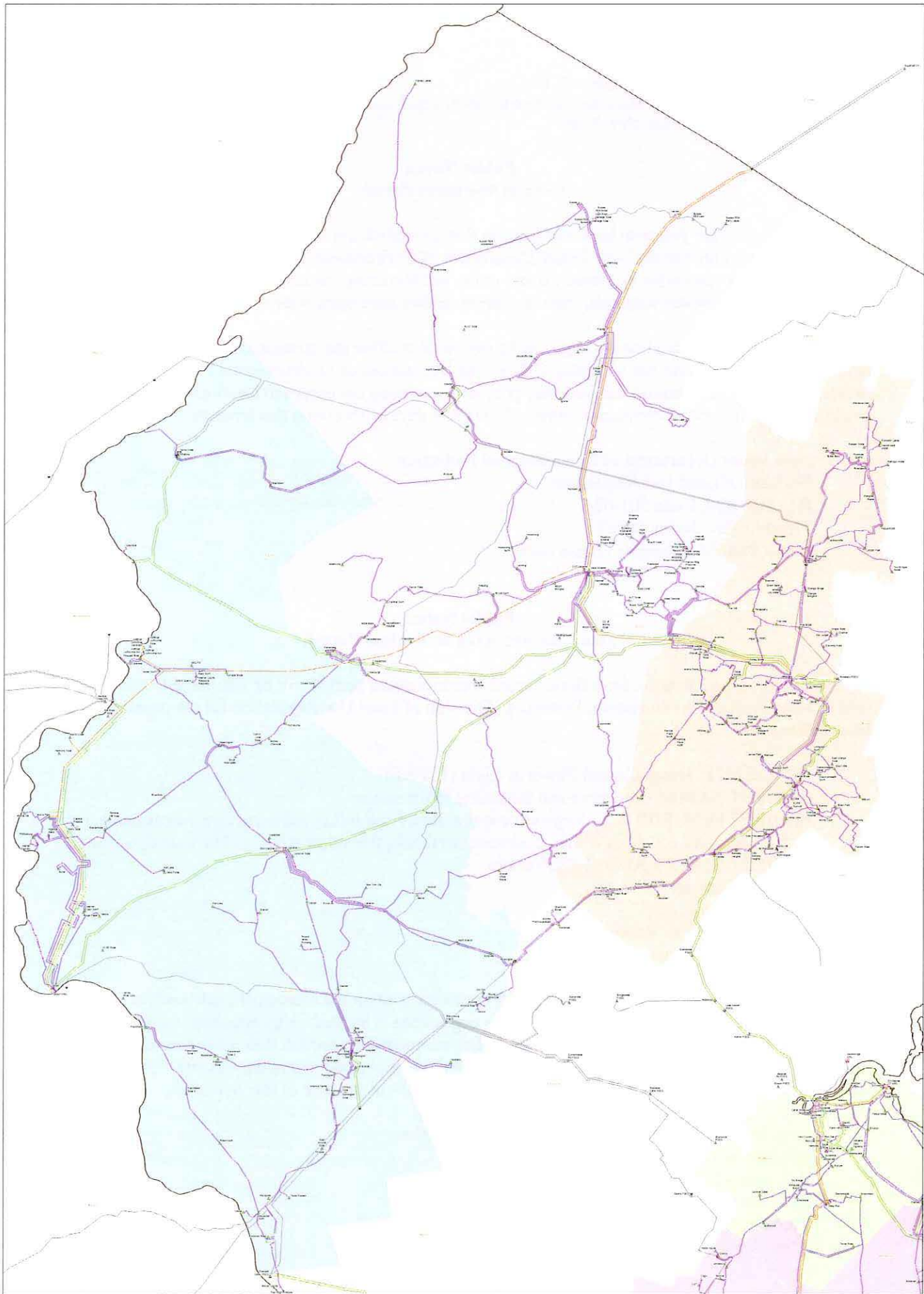
**Public Notice  
Flood Hazard Area Individual Permit**

Take notice that an application for a flood hazard area individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT: Jersey Central Power & Light (JCP&L)  
PROJECT NAME: Vegetative and Structural Maintenance  
PROJECT DESCRIPTION: Vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.  
PROJECT STREET ADDRESS: Various  
BLOCK: Various  
LOT: Various  
MUNICIPALITY: Various  
COUNTY: Various

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
501 East State Street  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

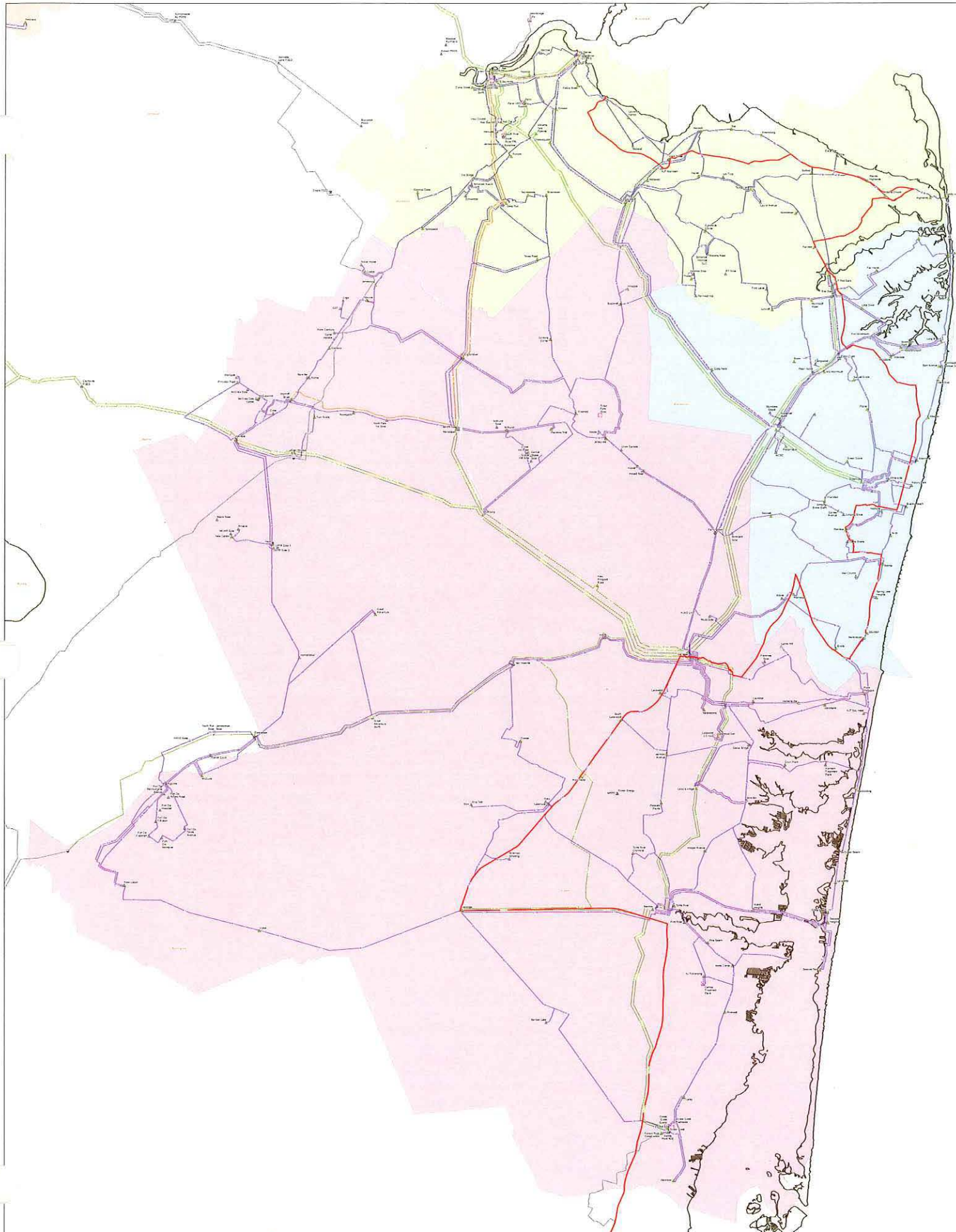


# Jersey Central Power & Light Northern NJ Map



Facility	Transmission Lines	Points of Interconnection	Work Center
Hydro	34.5 kV	External	East Hanover
Power (Foreign)	115 kV	Internal	Hopatcong
Solar (Foreign)	230 kV		Lakewood
Other (Foreign)	500 kV		Phillipsburg
FE	Foreign		Union Beach
Foreign			





# Jersey Central Power & Light Central NJ and CAFRA Map

0 1 2 4 6 8 10 Miles

CAFRA

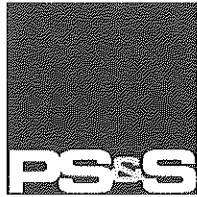
Facility  
 Fossil (Foreign)  
 Nuclear (Foreign)  
 Solar (Foreign)  
 Other (Foreign)  
 FE Substation  
 Foreign Substation

Transmission Lines  
 34.5 kV  
 115 kV  
 230 kV  
 500 kV  
 Foreign

Points of Interconnection  
 External

Work Center  
 Lakewood  
 Phillipsburg  
 Union Beach  
 Wall





67B Mountain Boulevard Extension  
P.O. Box 4039  
Warren, NJ 07059  
732.560.9700

December 2019  
01520.0168

### **Notification to Municipal Construction Official**

Re: Multi-Permit Application for:

Freshwater Wetlands General Permit No. 1  
Coastal General Permit No. 19  
Coastal Wetlands Permit  
Flood Hazard Area Individual Permit  
Water Quality Certificate  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

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#### **Burlington County**

Chesterfield Twp.  
New Hanover Twp.  
North Hanover Twp.  
Pemberton Boro  
Pemberton Twp.  
Southampton Twp.  
Springfield Twp.  
Woodland Twp.  
Wrightstown Boro

#### **Essex County**

Livingston Twp.  
Maplewood Twp.  
Millburn Twp.

#### **Hunterdon County**

Alexandria Twp.  
Bethlehem Twp.  
Bloomsbury Boro

#### **Hunterdon County Continued**

Califon Boro  
Clinton, Town of  
Clinton Twp.  
Delaware Twp.  
East Amwell Twp.  
Flemington Boro  
Franklin Twp.  
Frenchtown Boro  
Glen Gardner Boro  
Hampton Boro  
High Bridge Boro  
Holland Twp.  
Kingwood Twp.  
Lambertville, City of  
Lebanon Boro  
Lebanon Twp.  
Milford Boro  
Raritan Twp.  
Readington Twp.

#### **Hunterdon County Continued**

Stockton Boro  
Tewksbury Twp.  
Union Twp.  
West Amwell Twp.

#### **Mercer County**

East Windsor Twp.  
Hightstown Boro  
Hopewell Twp.  
Robbinsville Twp.  
West Windsor Twp.

#### **Middlesex County**

Cranbury Twp.  
East Brunswick Twp.  
Helmetta Boro  
Jamesburg Boro  
Monroe Twp.  
Old Bridge Twp.

**Middlesex County Continued**

Sayreville Boro  
South Amboy, City of  
South Brunswick Twp.  
Spotswood Boro

**Monmouth County**

Aberdeen Twp.\*  
Allenhurst Boro\*  
Asbury Park, City of\*  
Atlantic Highlands Boro\*  
Avon-by-the Sea Boro\*  
Belmar Boro\*  
Bradley Beach Boro\*  
Brielle Boro\*  
Colts Neck Twp.  
Deal Boro\*  
Eatontown Boro\*  
Englishtown Boro  
Fair Haven Boro\*  
Farmingdale Boro  
Freehold Boro  
Freehold Twp.  
Hazlet Twp.\*  
Highlands Boro\*  
Holmdel Twp.\*  
Howell Twp.  
Interlaken Boro\*  
Keansburg Boro\*  
Keyport Boro\*  
Lake Como Boro\*  
Little Silver Boro\*  
Loch Arbour, Village of\*  
Long Branch, City of\*  
Manalapan Twp.  
Manasquan Boro\*  
Marlboro Twp.  
Matawan Boro\*  
Middletown Twp.\*  
Millstone Twp.  
Monmouth Beach Boro\*  
Neptune City Boro\*  
Neptune Twp.  
Oceanport Boro\*  
Ocean Twp.\*  
Red Bank Boro\*  
Roosevelt Boro  
Rumson Boro\*  
Sea Bright Boro\*  
Sea Girt Boro\*  
Shrewsbury Boro\*  
Shrewsbury Twp.  
Spring Lake Boro\*  
Spring Lake Heights Boro\*  
Tinton Falls Boro  
Union Beach Boro\*  
Upper Freehold Twp.

**Monmouth County Continued**

Wall Twp.\*  
West Long Branch Boro\*

**Morris County**

Boonton, Town of  
Boonton Twp.  
Butler Boro  
Chatham Boro  
Chatham Twp.  
Chester Boro  
Chester Twp.  
Denville Twp.  
Dover, Town of  
East Hanover Twp.  
Florham Park Boro  
Hanover Twp.  
Harding Twp.  
Jefferson Twp.  
Kinnelon Boro  
Lincoln Park Boro  
Long Hill Twp.  
Madison Boro  
Mendham Boro  
Mendham Twp.  
Mine Hill Twp.  
Montville Twp.  
Morris Twp.  
Morristown, Town of  
Morris Plains Boro  
Mountain Lakes Boro  
Mt. Arlington Boro  
Mt. Olive Twp.  
Netcong Boro  
Parsippany-Troy Hills Twp.  
Pequannock Twp.  
Randolph Twp.  
Riverdale Boro  
Rockaway Boro  
Rockaway Twp  
Roxbury Twp.  
Victory Gardens Boro  
Washington Twp.  
Wharton Boro

**Ocean County**

Barnegat Twp.\*  
Bay Head Boro\*  
Beachwood Boro\*  
Berkeley Twp.\*  
Brick Twp.\*  
Island Heights Boro\*  
Jackson Twp.\*  
Lacey Twp.\*  
Lakehurst Boro\*  
Lakewood Twp.\*  
Lavallette Boro\*

**Ocean County Continued**

Manchester Twp.\*  
Mantoloking Boro\*  
Ocean Twp.\*  
Ocean Gate Boro\*  
Pine Beach Boro\*  
Plumsted Twp.  
Point Pleasant Boro\*  
Point Pleasant Beach Boro\*  
Seaside Heights Boro\*  
Seaside Park Boro\*  
South Toms River\*  
Toms River\*

**Passaic County**

Bloomington Boro  
Pompton Lakes Boro  
Ringwood Boro  
Wanaque Boro  
Wayne Twp.  
West Milford Twp.

**Somerset County**

Bedminster Twp.  
Bernards Twp.  
Bernardsville Boro  
Branchburg Twp.  
Bridgewater Twp.  
Far Hills Boro  
Green Brook Twp.  
Hillsborough Twp.  
Peapack-Gladstone Boro  
Warren Twp.  
Watchung Boro

**Sussex County**

Andover Boro  
Andover Twp.  
Branchville Boro  
Byram Twp.  
Frankford Twp.  
Franklin Boro  
Fredon Twp.  
Green Twp.  
Hamburg Boro  
Hampton Twp.  
Hardyston Twp.  
Hopatcong Boro  
Lafayette Twp.  
Montague Twp.  
Newton, Town of  
Ogdensburg Boro  
Sandyston Twp.  
Sparta Twp.  
Stanhope Boro  
Stillwater Twp.

December 2019

Page 3

**Sussex County Continued**

Sussex Boro  
Vernon Twp.  
Walpack Twp.  
Wantage Twp.

**Union County**

Berkeley Heights Twp.  
Mountainside Boro  
New Providence Boro  
Springfield Twp.  
Summit, City of

**Warren County**

Allamuchy Twp.  
Alpha Boro  
Belvidere, Town of  
Blairstown Twp.  
Franklin Twp.  
Frelinghuysen Twp.  
Greenwich Twp.  
Hackettstown, Town of  
Hardwick Twp.  
Harmony Twp.  
Hope Twp.  
Independence Twp.

**Warren County Continued**

Knowlton Twp.  
Liberty Twp.  
Lopatcong Twp.  
Mansfield Twp.  
Oxford Twp.  
Phillipsburg, Town of  
Pohatcong Twp.  
Washington Boro  
Washington Twp.  
White Twp.

Written comments may be submitted to the New Jersey Department of Environmental Protection as described in the attached Public Notices. If you have any questions about the application, you can contact the undersigned.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC



Jennifer Gornpi  
67B Mountain Boulevard Extension  
Warren, NJ 07059

**Attachments:**      Public Notices



December 2019  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice**  
**Freshwater Wetlands General Permit No.1**

This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 1 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

**Public Notice**  
**Coastal General Permit No. 19**

This letter is to provide you with legal notification that an application for an authorization under coastal general permit 19 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

December 2019

Jersey Central Power and Light Company (JCP&L)

Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities

235 Municipalities, 13 Counties, New Jersey

**Public Notice  
Coastal Wetlands Permit**

This letter is to provide you with legal notification that an application for a coastal wetlands individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

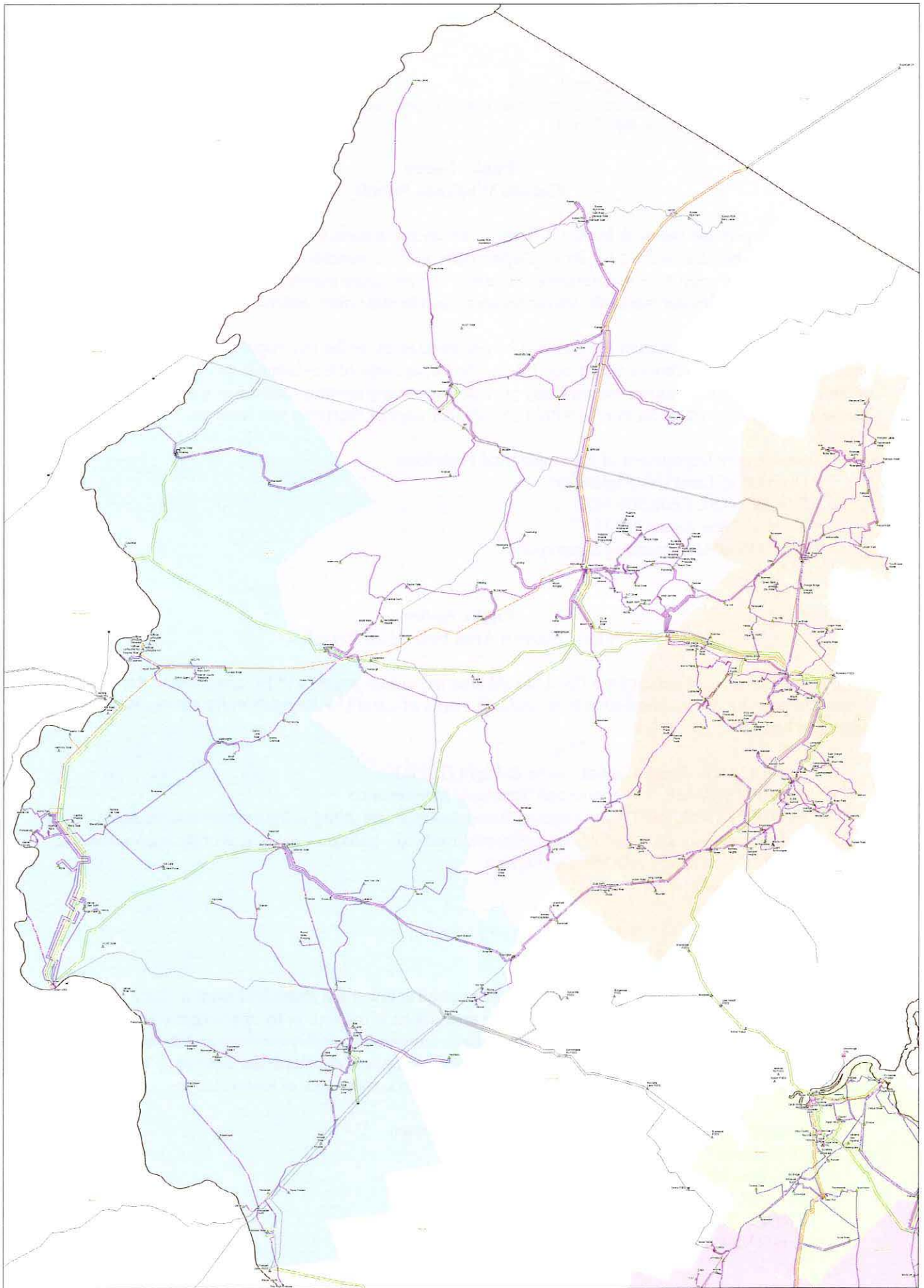
**Public Notice  
Flood Hazard Area Individual Permit**

Take notice that an application for a flood hazard area individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT: Jersey Central Power & Light (JCP&L)  
PROJECT NAME: Vegetative and Structural Maintenance  
PROJECT DESCRIPTION: Vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.  
PROJECT STREET ADDRESS: Various  
BLOCK: Various  
LOT: Various  
MUNICIPALITY: Various  
COUNTY: Various

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
501 East State Street  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor



**Jersey Central Power & Light  
Northern NJ Map**



**Facility**  
 □ Hydrom  
 □ Fossil (Foreign)  
 □ Solar (Foreign)  
 □ Other (Foreign)  
 ▲ FE  
 ▲ Foreign

**Transmission Lines**  
 — 34.5 kV  
 — 115 kV  
 — 230 kV  
 — 500 kV  
 — Foreign

**Points of Interconnection**  
 • External  
 • Internal

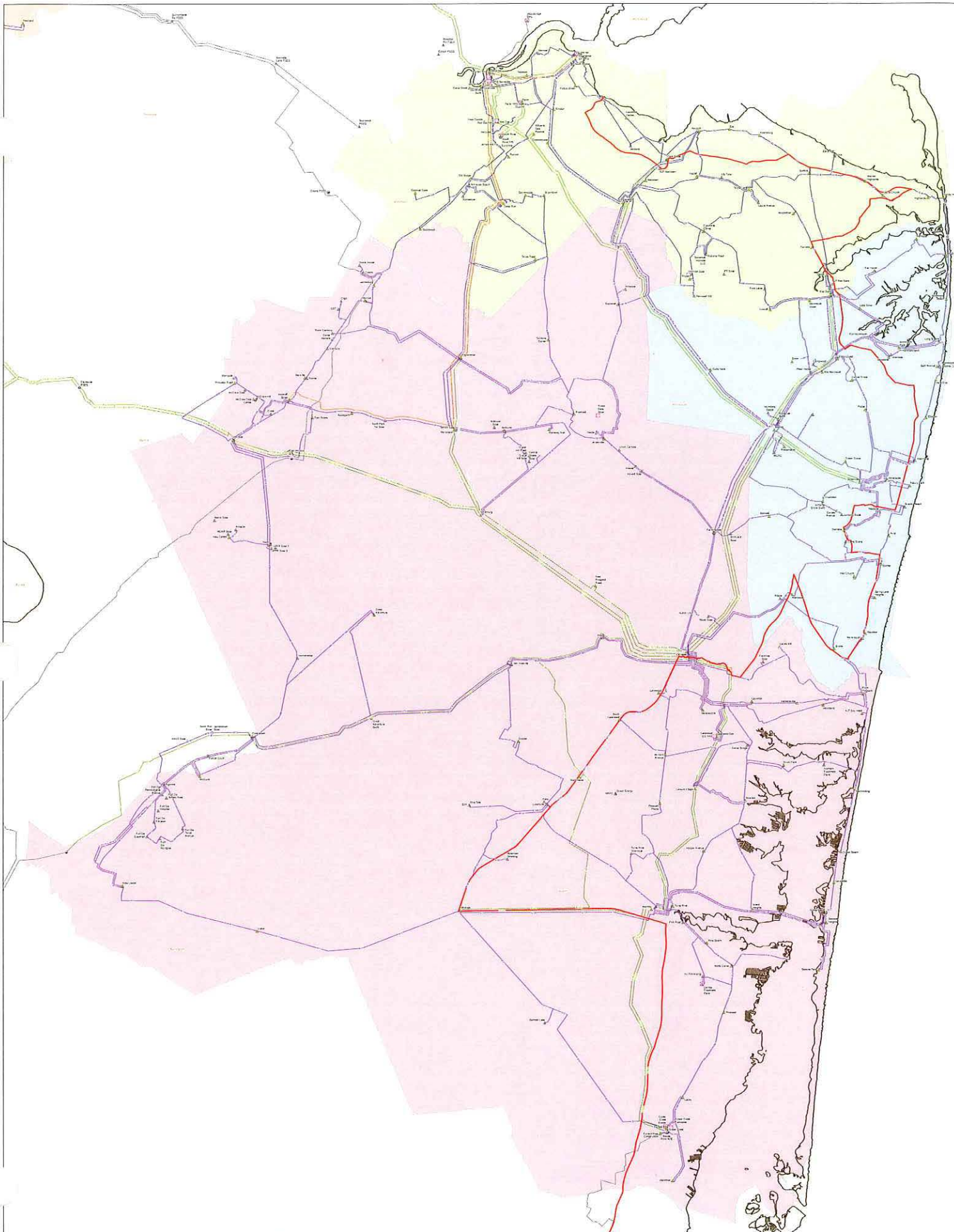
**Work Center**  
 □ East Hanover  
 □ Hopatcong  
 □ Lakewood  
 □ Phillipsburg  
 □ Union Beach



**Jersey Central  
Power & Light**  
 A FirstEnergy Company

Source: Jersey Central Power & Light Company, 2014. All rights reserved.

Map of NJ 10/15/14



# Jersey Central Power & Light Central NJ and CAFRA Map



CAFRA

- Facility
- Fossil (Foreign)
- Nuclear (Foreign)
- Solar (Foreign)
- Other (Foreign)
- FE Substation
- Foreign Substation

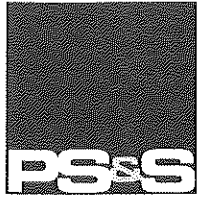
- Transmission Lines
- 34.5 kV
- 115 kV
- 230 kV
- 500 kV
- Foreign

- Points of Interconnection
- External

- Work Center
- Lakewood
- Phillipsburg
- Union Beach
- Wall







67B Mountain Boulevard Extension  
P.O. Box 4039  
Warren, NJ 07059  
732.560.9700

December 2019  
01520.0168

### **Notification to Municipal Environmental Commission**

Re: Multi-Permit Application for:  
Freshwater Wetlands General Permit No. 1  
Coastal General Permit No. 19  
Coastal Wetlands Permit  
Flood Hazard Area Individual Permit  
Water Quality Certificate  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

Dear Municipal Environmental Commission:

This letter is to provide you with legal notification that an application will be submitted to the New Jersey Department of Environmental Protection (NJDEP), Department of Land Use Regulation (DLUR) for a Freshwater Wetlands General Permit No. 1, Coastal General Permit No. 19, Coastal Wetlands Permit, Flood Hazard Area Individual Permit, and Water Quality Certificate for the work to be performed as described in the enclosed application form. The permit is required for vegetative maintenance as well as utility infrastructure maintenance, repair and replacement activities within areas including freshwater wetlands, transition areas, and/or state open waters. The text required for the public notice of each permit is attached.

This notification has been sent to the following municipalities and counties in northern and central New Jersey. The municipalities indicated with an asterisk (\*) are located within the Coastal Area Facility Review Act area for which the Coastal General Permit No. 19 applies.

#### **Burlington County**

Chesterfield Twp.  
New Hanover Twp.  
North Hanover Twp.  
Pemberton Boro  
Pemberton Twp.  
Southampton Twp.  
Springfield Twp.  
Woodland Twp.  
Wrightstown Boro

#### **Essex County**

Livingston Twp.  
Maplewood Twp.  
Millburn Twp.

#### **Hunterdon County**

Alexandria Twp.  
Bethlehem Twp.  
Bloomsbury Boro

#### **Hunterdon County Continued**

Califon Boro  
Clinton, Town of  
Clinton Twp.  
Delaware Twp.  
East Amwell Twp.  
Flemington Boro  
Franklin Twp.  
Frenchtown Boro  
Glen Gardner Boro  
Hampton Boro  
High Bridge Boro  
Holland Twp.  
Kingwood Twp.  
Lambertville, City of  
Lebanon Boro  
Lebanon Twp.  
Milford Boro  
Raritan Twp.  
Readington Twp.

#### **Hunterdon County Continued**

Stockton Boro  
Tewksbury Twp.  
Union Twp.  
West Amwell Twp.

#### **Mercer County**

East Windsor Twp.  
Hightstown Boro  
Hopewell Twp.  
Robbinsville Twp.  
West Windsor Twp.

#### **Middlesex County**

Cranbury Twp.  
East Brunswick Twp.  
Helmetta Boro  
Jamesburg Boro  
Monroe Twp.  
Old Bridge Twp.

**Middlesex County Continued**

Sayreville Boro  
South Amboy, City of  
South Brunswick Twp.  
Spotswood Boro

**Monmouth County**

Aberdeen Twp.\*  
Allenhurst Boro\*  
Asbury Park, City of\*  
Atlantic Highlands Boro\*  
Avon-by-the Sea Boro\*  
Belmar Boro\*  
Bradley Beach Boro\*  
Brielle Boro\*  
Colts Neck Twp.  
Deal Boro\*  
Eatontown Boro\*  
Englishtown Boro  
Fair Haven Boro\*  
Farmingdale Boro  
Freehold Boro  
Freehold Twp.  
Hazlet Twp.\*  
Highlands Boro\*  
Holmdel Twp.\*  
Howell Twp.  
Interlaken Boro\*  
Keansburg Boro\*  
Keyport Boro\*  
Lake Como Boro\*  
Little Silver Boro\*  
Loch Arbour, Village of\*  
Long Branch, City of\*  
Manalapan Twp.  
Manasquan Boro\*  
Marlboro Twp.  
Matawan Boro\*  
Middletown Twp.\*  
Millstone Twp.  
Monmouth Beach Boro\*  
Neptune City Boro\*  
Neptune Twp.  
Oceanport Boro\*  
Ocean Twp.\*  
Red Bank Boro\*  
Roosevelt Boro  
Rumson Boro\*  
Sea Bright Boro\*  
Sea Girt Boro\*  
Shrewsbury Boro\*  
Shrewsbury Twp.  
Spring Lake Boro\*  
Spring Lake Heights Boro\*  
Tinton Falls Boro  
Union Beach Boro\*  
Upper Freehold Twp.

**Monmouth County Continued**

Wall Twp.\*  
West Long Branch Boro\*

**Morris County**

Boonton, Town of  
Boonton Twp.  
Butler Boro  
Chatham Boro  
Chatham Twp.  
Chester Boro  
Chester Twp.  
Denville Twp.  
Dover, Town of  
East Hanover Twp.  
Florham Park Boro  
Hanover Twp.  
Harding Twp.  
Jefferson Twp.  
Kinnelon Boro  
Lincoln Park Boro  
Long Hill Twp.  
Madison Boro  
Mendham Boro  
Mendham Twp.  
Mine Hill Twp.  
Montville Twp.  
Morris Twp.  
Morristown, Town of  
Morris Plains Boro  
Mountain Lakes Boro  
Mt. Arlington Boro  
Mt. Olive Twp.  
Netcong Boro  
Parsippany-Troy Hills Twp.  
Pequannock Twp.  
Randolph Twp.  
Riverdale Boro  
Rockaway Boro  
Rockaway Twp.  
Roxbury Twp.  
Victory Gardens Boro  
Washington Twp.  
Wharton Boro

**Ocean County**

Barnegat Twp.\*  
Bay Head Boro\*  
Beachwood Boro\*  
Berkeley Twp.\*  
Brick Twp.\*  
Island Heights Boro\*  
Jackson Twp.\*  
Lacey Twp.\*  
Lakehurst Boro\*  
Lakewood Twp.\*  
Lavallette Boro\*

**Ocean County Continued**

Manchester Twp.\*  
Mantoloking Boro\*  
Ocean Twp.\*  
Ocean Gate Boro\*  
Pine Beach Boro\*  
Plumsted Twp.  
Point Pleasant Boro\*  
Point Pleasant Beach Boro\*  
Seaside Heights Boro\*  
Seaside Park Boro\*  
South Toms River\*  
Toms River\*

**Passaic County**

Bloomington Boro  
Pompton Lakes Boro  
Ringwood Boro  
Wanaque Boro  
Wayne Twp.  
West Milford Twp.

**Somerset County**

Bedminster Twp.  
Bernards Twp.  
Bernardsville Boro  
Branchburg Twp.  
Bridgewater Twp.  
Far Hills Boro  
Green Brook Twp.  
Hillsborough Twp.  
Peapack-Gladstone Boro  
Warren Twp.  
Watchung Boro

**Sussex County**

Andover Boro  
Andover Twp.  
Branchville Boro  
Byram Twp.  
Frankford Twp.  
Franklin Boro  
Fredon Twp.  
Green Twp.  
Hamburg Boro  
Hampton Twp.  
Hardyston Twp.  
Hopatcong Boro  
Lafayette Twp.  
Montague Twp.  
Newton, Town of  
Ogdensburg Boro  
Sandyston Twp.  
Sparta Twp.  
Stanhope Boro  
Stillwater Twp.

**Sussex County Continued**

Sussex Boro  
Vernon Twp.  
Walpack Twp.  
Wantage Twp.

**Union County**

Berkeley Heights Twp.  
Mountainside Boro  
New Providence Boro  
Springfield Twp.  
Summit, City of

**Warren County**

Allamuchy Twp.  
Alpha Boro  
Belvidere, Town of  
Blairstown Twp.  
Franklin Twp.  
Frelinghuysen Twp.  
Greenwich Twp.  
Hackettstown, Town of  
Hardwick Twp.  
Harmony Twp.  
Hope Twp.  
Independence Twp.

**Warren County Continued**

Knowlton Twp.  
Liberty Twp.  
Lopatcong Twp.  
Mansfield Twp.  
Oxford Twp.  
Phillipsburg, Town of  
Pohatcong Twp.  
Washington Boro  
Washington Twp.  
White Twp.

Written comments may be submitted to the New Jersey Department of Environmental Protection as described in the attached Public Notices. If you have any questions about the application, you can contact the undersigned.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC



Jennifer Gormi  
67B Mountain Boulevard Extension  
Warren, NJ 07059

**Attachments:** Public Notices

December 2019  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice**  
**Freshwater Wetlands General Permit No.1**

This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 1 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

**Public Notice**  
**Coastal General Permit No. 19**

This letter is to provide you with legal notification that an application for an authorization under coastal general permit 19 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

December 2019  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice  
Coastal Wetlands Permit**

This letter is to provide you with legal notification that an application for a coastal wetlands individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

**Public Notice  
Flood Hazard Area Individual Permit**

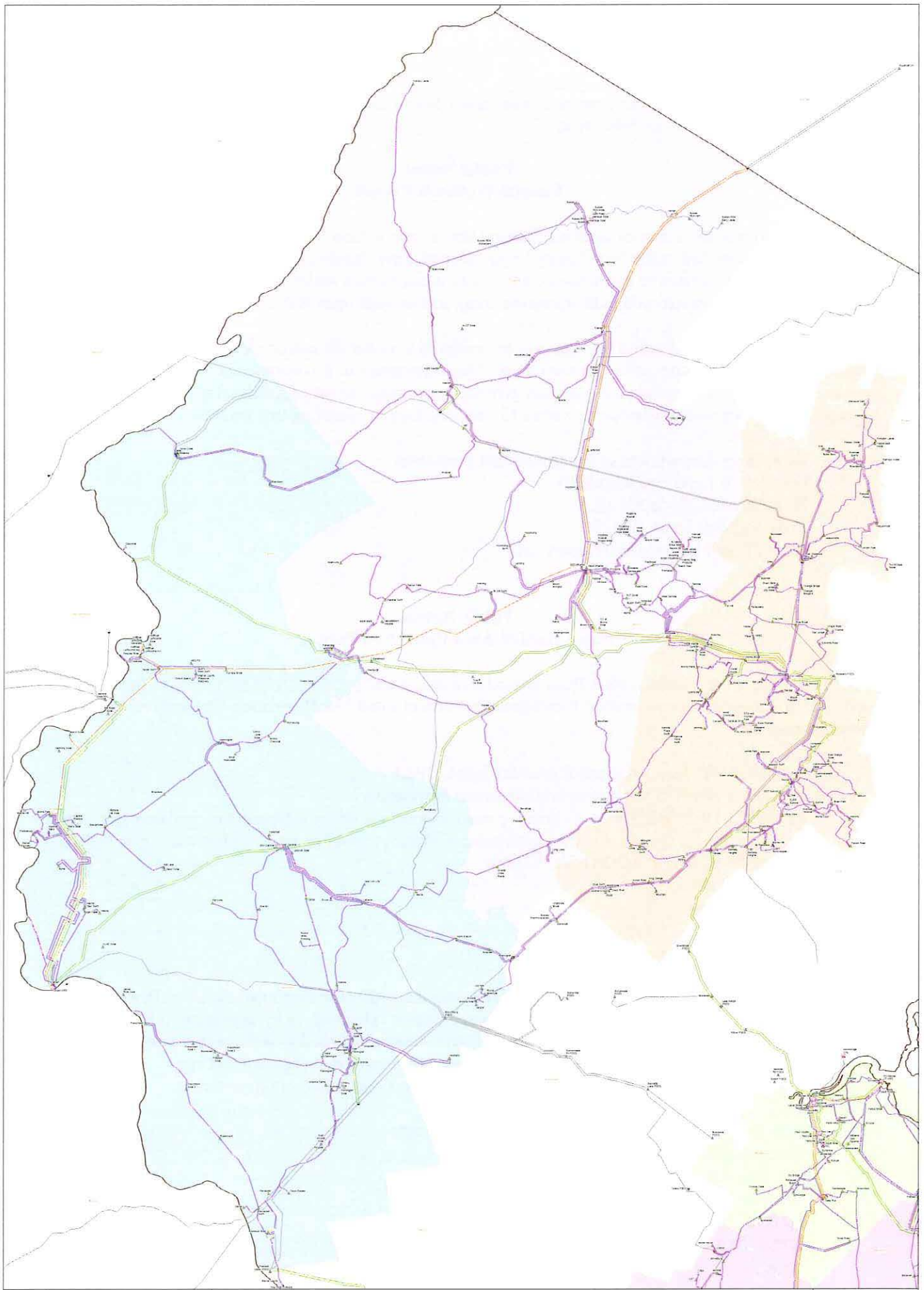
Take notice that an application for a flood hazard area individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT: Jersey Central Power & Light (JCP&L)  
PROJECT NAME: Vegetative and Structural Maintenance  
PROJECT DESCRIPTION: Vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.  
PROJECT STREET ADDRESS: Various  
BLOCK: Various  
LOT: Various  
MUNICIPALITY: Various  
COUNTY: Various

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
501 East State Street  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor





# Jersey Central Power & Light Northern NJ Map

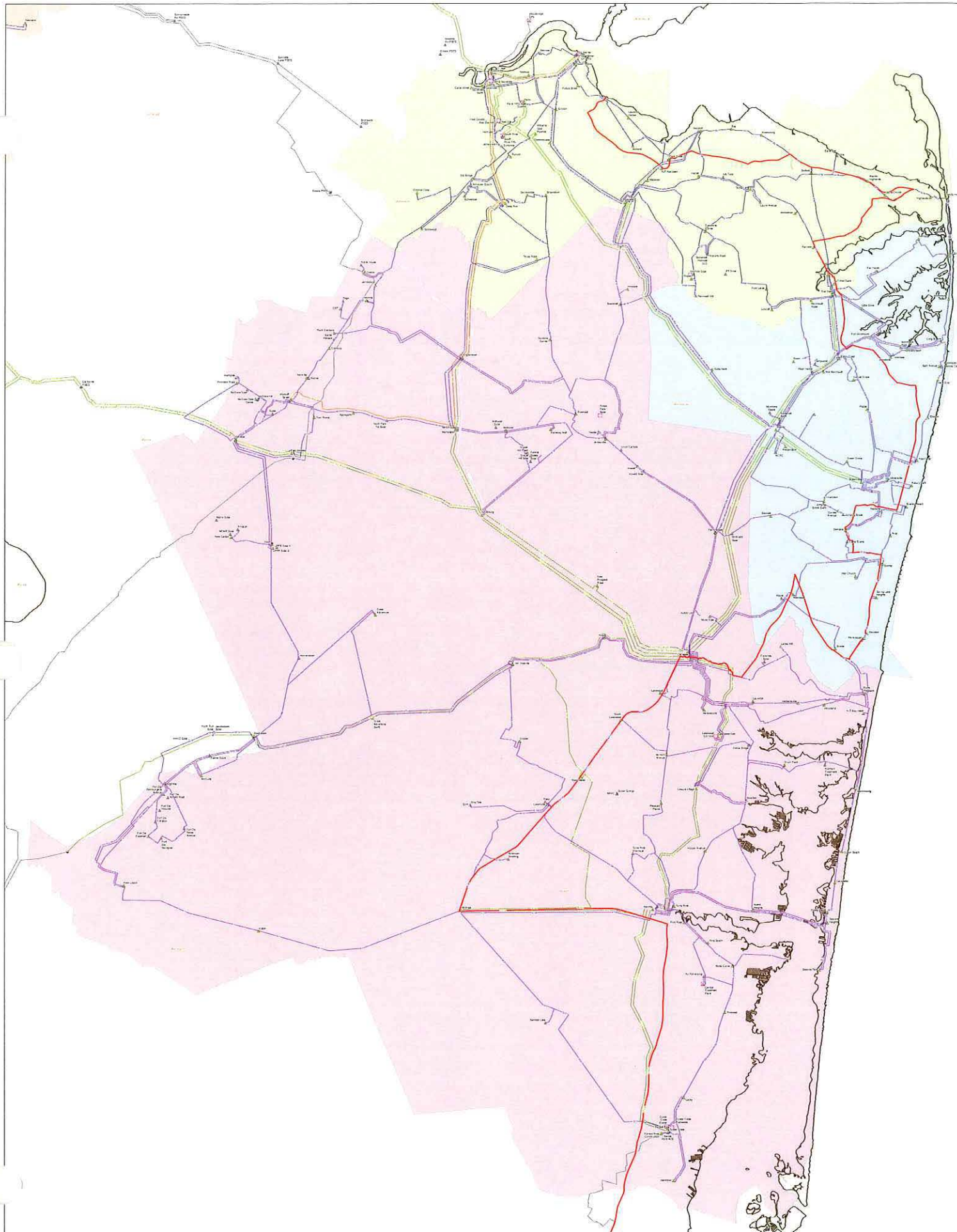
0 1 2 4 6 8 10 Miles

Facility  
 □ Hydm  
 □ Fossil (Foreign)  
 □ Solar (Foreign)  
 □ Other (Foreign)  
 ▲ FE  
 ▲ Foreign

Transmission Lines  
 — 34.5 kV  
 — 115 kV  
 — 230 kV  
 — 500 kV  
 — Foreign

Points of Interconnection  
 • External  
 • Internal

Work Center  
 □ East Hanover  
 □ Hopatcong  
 □ Lakewood  
 □ Phillipsburg  
 □ Union Beach



# Jersey Central Power & Light Central NJ and CAIRA Map



CAIRA

Facility  
 Fossil (Foreign)  
 Nuclear (Foreign)  
 Solar (Foreign)  
 Other (Foreign)  
 FE Substation  
 Foreign Substation

Transmission Lines  
 34.5 kV  
 115 kV  
 230 kV  
 500 kV  
 Foreign

Points of Interconnection  
 External

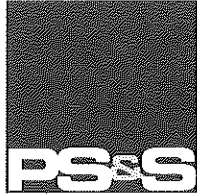
Work Center  
 Lakewood  
 Phillipsburg  
 Union Beach  
 Wall



**Jersey Central**  
 Power & Light  
 A FirstEnergy Company

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67B Mountain Boulevard Extension  
P.O. Box 4039  
Warren, NJ 07059  
732.560.9700

December 2019  
01520.0168

### Notification to County Planning Board

Re: Multi-Permit Application for:  
Freshwater Wetlands General Permit No. 1  
Coastal General Permit No. 19  
Coastal Wetlands Permit  
Flood Hazard Area Individual Permit  
Water Quality Certificate  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

Dear County Planning Board:

This letter is to provide you with legal notification that an application will be submitted to the New Jersey Department of Environmental Protection (NJDEP), Department of Land Use Regulation (DLUR) for a Freshwater Wetlands General Permit No. 1, Coastal General Permit No.19, Coastal Wetlands Permit, Flood Hazard Area Individual Permit, and Water Quality Certificate for the work to be performed as described in the enclosed application form. The permit is required for vegetative maintenance as well as utility infrastructure maintenance, repair and replacement activities within areas including freshwater wetlands, transition areas, and/or state open waters. The text required for the public notice of each permit is attached.

This notification has been sent to the following municipalities and counties in northern and central New Jersey. The municipalities indicated with an asterisk (\*) are located within the Coastal Area Facility Review Act area for which the Coastal General Permit No. 19 applies.

#### **Burlington County**

Chesterfield Twp.  
New Hanover Twp.  
North Hanover Twp.  
Pemberton Boro  
Pemberton Twp.  
Southampton Twp.  
Springfield Twp.  
Woodland Twp.  
Wrightstown Boro

#### **Essex County**

Livingston Twp.  
Maplewood Twp.  
Millburn Twp.

#### **Hunterdon County**

Alexandria Twp.  
Bethlehem Twp.  
Bloomsbury Boro

#### **Hunterdon County Continued**

Califon Boro  
Clinton, Town of  
Clinton Twp.  
Delaware Twp.  
East Amwell Twp.  
Flemington Boro  
Franklin Twp.  
Frenchtown Boro  
Glen Gardner Boro  
Hampton Boro  
High Bridge Boro  
Holland Twp.  
Kingwood Twp.  
Lambertville, City of  
Lebanon Boro  
Lebanon Twp.  
Milford Boro  
Raritan Twp.  
Readington Twp.

#### **Hunterdon County Continued**

Stockton Boro  
Tewksbury Twp.  
Union Twp.  
West Amwell Twp.

#### **Mercer County**

East Windsor Twp.  
Hightstown Boro  
Hopewell Twp.  
Robbinsville Twp.  
West Windsor Twp.

#### **Middlesex County**

Cranbury Twp.  
East Brunswick Twp.  
Helmetta Boro  
Jamesburg Boro  
Monroe Twp.  
Old Bridge Twp.

**Middlesex County Continued**

Sayreville Boro  
South Amboy, City of  
South Brunswick Twp.  
Spotswood Boro

**Monmouth County**

Aberdeen Twp.\*  
Allenhurst Boro\*  
Asbury Park, City of\*  
Atlantic Highlands Boro\*  
Avon-by-the Sea Boro\*  
Belmar Boro\*  
Bradley Beach Boro\*  
Brielle Boro\*  
Colts Neck Twp.  
Deal Boro\*  
Eatontown Boro\*  
Englishtown Boro  
Fair Haven Boro\*  
Farmingdale Boro  
Freehold Boro  
Freehold Twp.  
Hazlet Twp.\*  
Highlands Boro\*  
Holmdel Twp. \*  
Howell Twp.  
Interlaken Boro\*  
Keansburg Boro\*  
Keyport Boro\*  
Lake Como Boro\*  
Little Silver Boro\*  
Loch Arbour, Village of\*  
Long Branch, City of\*  
Manalapan Twp.  
Manasquan Boro\*  
Marlboro Twp.  
Matawan Boro\*  
Middletown Twp. \*  
Millstone Twp.  
Monmouth Beach Boro\*  
Neptune City Boro\*  
Neptune Twp.  
Oceanport Boro\*  
Ocean Twp.\*  
Red Bank Boro\*  
Roosevelt Boro  
Rumson Boro\*  
Sea Bright Boro\*  
Sea Girt Boro\*  
Shrewsbury Boro\*  
Shrewsbury Twp.  
Spring Lake Boro\*  
Spring Lake Heights Boro\*  
Tinton Falls Boro  
Union Beach Boro\*  
Upper Freehold Twp.

**Monmouth County Continued**

Wall Twp.\*  
West Long Branch Boro\*

**Morris County**

Boonton, Town of  
Boonton Twp.  
Butler Boro  
Chatham Boro  
Chatham Twp.  
Chester Boro  
Chester Twp.  
Denville Twp.  
Dover, Town of  
East Hanover Twp.  
Florham Park Boro  
Hanover Twp.  
Harding Twp.  
Jefferson Twp.  
Kinnelon Boro  
Lincoln Park Boro  
Long Hill Twp.  
Madison Boro  
Mendham Boro  
Mendham Twp.  
Mine Hill Twp.  
Montville Twp.  
Morris Twp.  
Morristown, Town of  
Morris Plains Boro  
Mountain Lakes Boro  
Mt. Arlington Boro  
Mt. Olive Twp.  
Netcong Boro  
Parsippany-Troy Hills Twp.  
Pequannock Twp.  
Randolph Twp.  
Riverdale Boro  
Rockaway Boro  
Rockaway Twp  
Roxbury Twp.  
Victory Gardens Boro  
Washington Twp.  
Wharton Boro

**Ocean County**

Barnegat Twp.\*  
Bay Head Boro\*  
Beachwood Boro\*  
Berkeley Twp. \*  
Brick Twp.\*  
Island Heights Boro\*  
Jackson Twp.\*  
Lacey Twp.\*  
Lakehurst Boro\*  
Lakewood Twp.\*  
Lavallette Boro\*

**Ocean County Continued**

Manchester Twp.\*  
Mantoloking Boro\*  
Ocean Twp.\*  
Ocean Gate Boro\*  
Pine Beach Boro\*  
Plumsted Twp.  
Point Pleasant Boro\*  
Point Pleasant Beach Boro\*  
Seaside Heights Boro\*  
Seaside Park Boro\*  
South Toms River\*  
Toms River\*

**Passaic County**

Bloomington Boro  
Pompton Lakes Boro  
Ringwood Boro  
Wanaque Boro  
Wayne Twp.  
West Milford Twp.

**Somerset County**

Bedminster Twp.  
Bernards Twp.  
Bernardsville Boro  
Branchburg Twp.  
Bridgewater Twp.  
Far Hills Boro  
Green Brook Twp.  
Hillsborough Twp.  
Peapack-Gladstone Boro  
Warren Twp.  
Watchung Boro

**Sussex County**

Andover Boro  
Andover Twp.  
Branchville Boro  
Byram Twp.  
Frankford Twp.  
Franklin Boro  
Fredon Twp.  
Green Twp.  
Hamburg Boro  
Hampton Twp.  
Hardyston Twp.  
Hopatcong Boro  
Lafayette Twp.  
Montague Twp.  
Newton, Town of  
Ogdensburg Boro  
Sandyston Twp.  
Sparta Twp.  
Stanhope Boro  
Stillwater Twp.  
Sussex Boro



**Sussex County Continued**

Vernon Twp.  
Walpack Twp.  
Wantage Twp.

**Union County**

Berkeley Heights Twp.  
Mountainside Boro  
New Providence Boro  
Springfield Twp.  
Summit, City of

**Warren County**

Allamuchy Twp.  
Alpha Boro  
Belvidere, Town of  
Blairstown Twp.  
Franklin Twp.  
Frelinghuysen Twp.  
Greenwich Twp.  
Hackettstown, Town of  
Hardwick Twp.  
Harmony Twp.  
Hope Twp.

**Warren County Continued**

Independence Twp.  
Knowlton Twp.  
Liberty Twp.  
Lopatcong Twp.  
Mansfield Twp.  
Oxford Twp.  
Phillipsburg, Town of  
Pohatcong Twp.  
Washington Boro  
Washington Twp.  
White Twp.

Written comments may be submitted to the New Jersey Department of Environmental Protection as described in the attached Public Notices. If you have any questions about the application, you can contact the undersigned.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC



Jennifer Gormi  
67B Mountain Boulevard Extension  
Warren, NJ 07059

**Attachments:**      Public Notices

December 2019  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice**  
**Freshwater Wetlands General Permit No.1**

This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 1 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

**Public Notice**  
**Coastal General Permit No. 19**

This letter is to provide you with legal notification that an application for an authorization under coastal general permit 19 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

December 2019

Jersey Central Power and Light Company (JCP&L)

Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice  
Coastal Wetlands Permit**

This letter is to provide you with legal notification that an application for a coastal wetlands individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

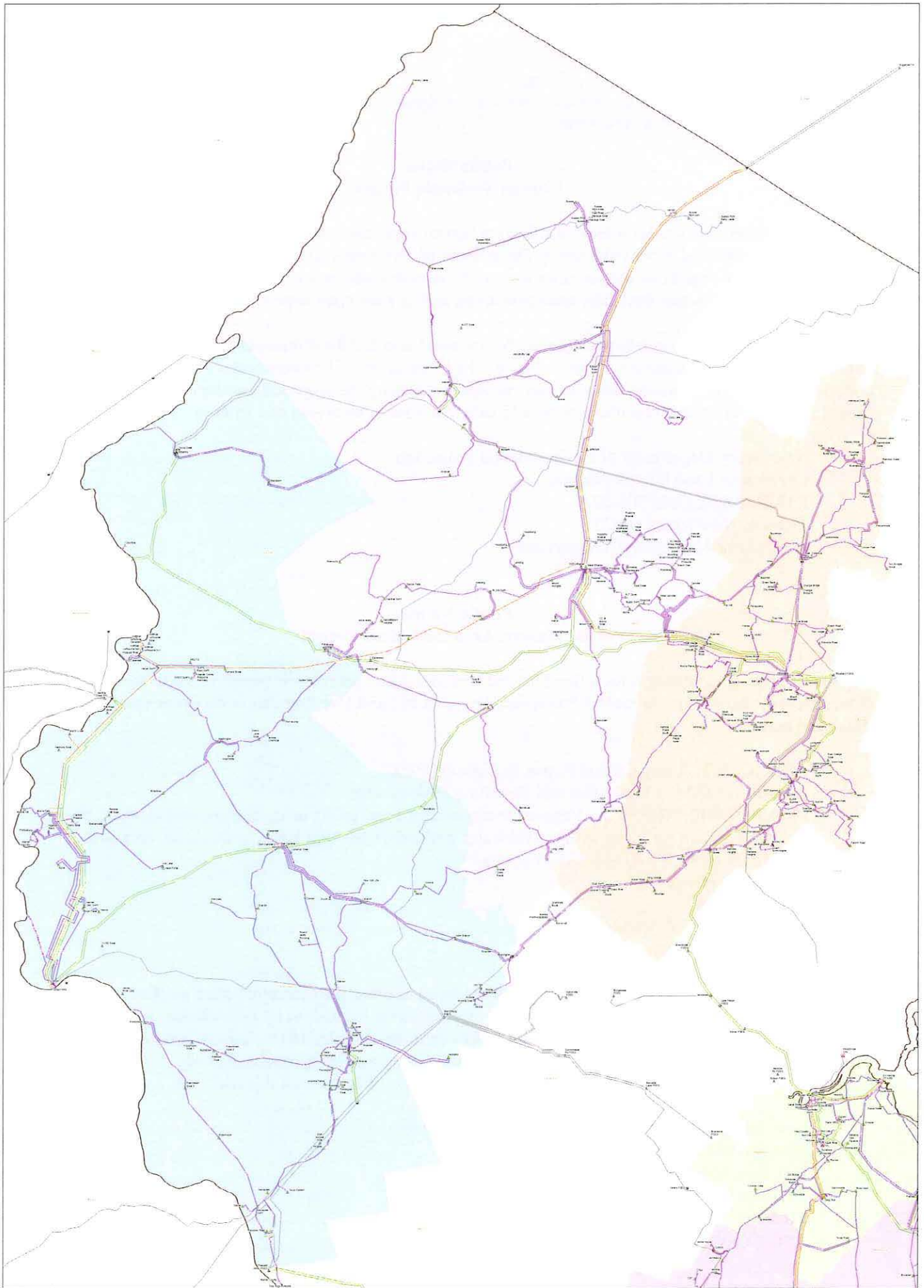
**Public Notice  
Flood Hazard Area Individual Permit**

Take notice that an application for a flood hazard area individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT: Jersey Central Power & Light (JCP&L)  
PROJECT NAME: Vegetative and Structural Maintenance  
PROJECT DESCRIPTION: Vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.  
PROJECT STREET ADDRESS: Various  
BLOCK: Various  
LOT: Various  
MUNICIPALITY: Various  
COUNTY: Various

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
501 East State Street  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor



# Jersey Central Power & Light Northern NJ Map



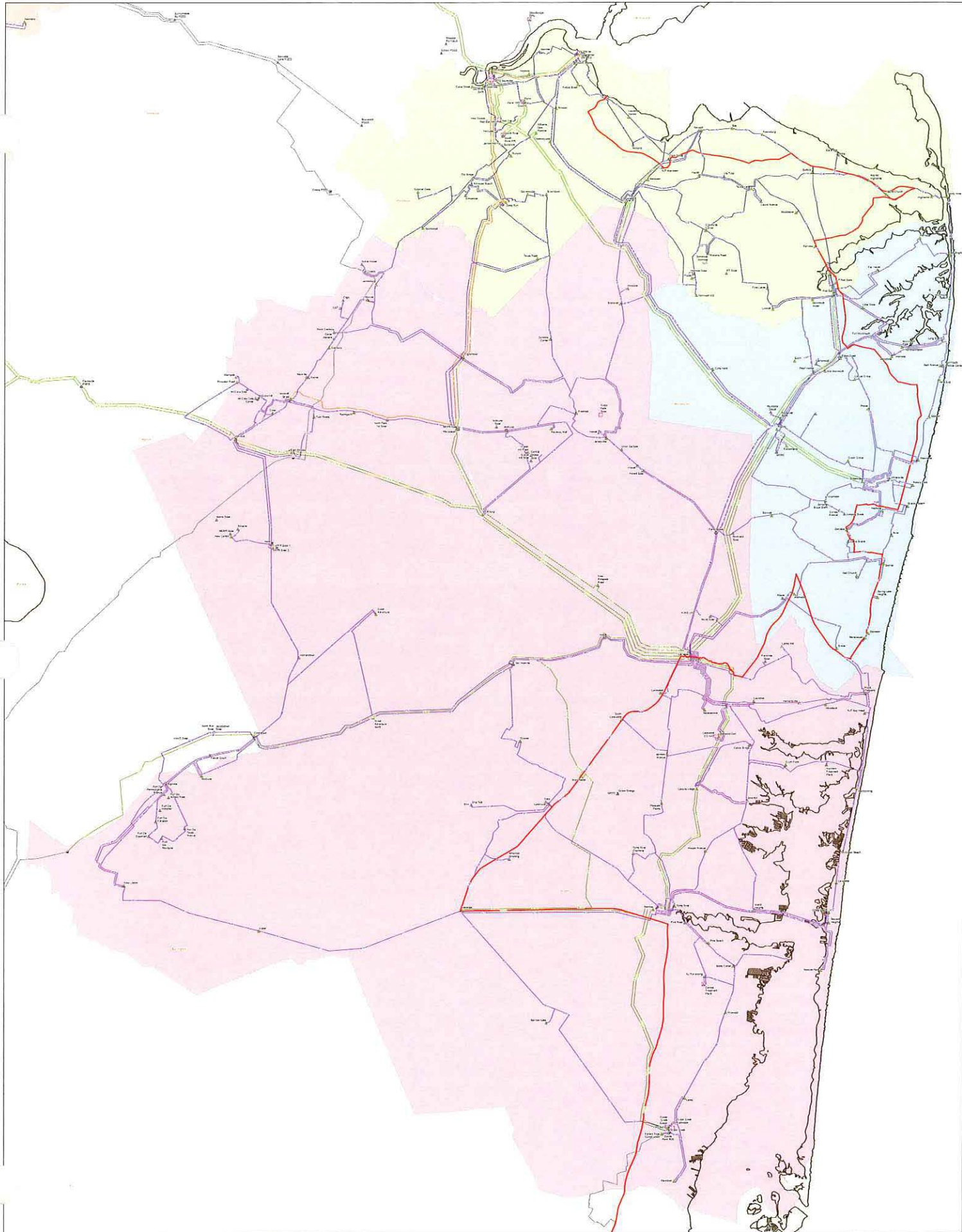
- Facility**
- Hydro
  - Fossil (Foreign)
  - Solar (Foreign)
  - Other (Foreign)
  - FE
  - Foreign

- Transmission Lines**
- 34.5 kV
  - 115 kV
  - 230 kV
  - 500 kV
  - Foreign

- Points of Interconnection**
- External
  - Internal

- Work Center**
- East Hanover
  - Hopatcong
  - Lakewood
  - Phillipsburg
  - Union Beach





# Jersey Central Power & Light Central NJ and CAFRA Map



CAFRA

- Facility**
- Fossil (Foreign)
  - Nuclear (Foreign)
  - Solar (Foreign)
  - Other (Foreign)
  - FE Substation
  - Foreign Substation

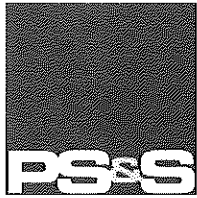
- Transmission Lines**
- 34.5 kV
  - 115 kV
  - 230 kV
  - 500 kV
  - Foreign

- Points of Interconnection**
- External

- Work Center**
- Lakewood
  - Phillipsburg
  - Union Beach
  - Wall







67B Mountain Boulevard Extension  
P.O. Box 4039  
Warren, NJ 07059  
732.560.9700

December 2019  
01520.0168

### **Notification to the New Jersey Pinelands Commission**

Re: Multi-Permit Application for:

Freshwater Wetlands General Permit No. 1  
Coastal General Permit No. 19  
Coastal Wetlands Permit  
Flood Hazard Area Individual Permit  
Water Quality Certificate  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

Dear Municipal Clerk:

One complete copy of this application, including a completed application form, is provided to you pursuant to N.J.A.C. 7:7-24.3 and N.J.A.C. 7:13-19.3. Jersey Central Power and Light Company (JCP&L) will submit an application to the New Jersey Department of Environmental Protection (NJDEP), Department of Land Use Regulation (DLUR) for a Freshwater Wetlands General Permit No. 1, Coastal General Permit No. 19, Coastal Wetlands Permit, Flood Hazard Area Individual Permit, and Water Quality Certificate for the work to be performed as described in the enclosed application. The permit is required for vegetative maintenance as well as utility infrastructure maintenance, repair and replacement activities within areas including freshwater wetlands, transition areas, and/or state open waters. The text required for the public notice of each permit follows this letter.

This notification has been sent to the following municipalities and counties in northern and central New Jersey. The municipalities indicated with an asterisk (\*) are located within the Coastal Area Facility Review Act area for which the Coastal General Permit No. 19 applies.

#### **Burlington County**

Chesterfield Twp.  
New Hanover Twp.  
North Hanover Twp.  
Pemberton Boro  
Pemberton Twp.  
Southampton Twp.  
Springfield Twp.  
Woodland Twp.  
Wrightstown Boro

#### **Essex County**

Livingston Twp.  
Maplewood Twp.  
Millburn Twp.

#### **Hunterdon County**

Alexandria Twp.  
Bethlehem Twp.

#### **Hunterdon County Continued**

Bloomsbury Boro  
Califon Boro  
Clinton, Town of  
Clinton Twp.  
Delaware Twp.  
East Amwell Twp.  
Flemington Boro  
Franklin Twp.  
Frenchtown Boro  
Glen Gardner Boro  
Hampton Boro  
High Bridge Boro  
Holland Twp.  
Kingwood Twp.  
Lambertville, City of  
Lebanon Boro  
Lebanon Twp.  
Milford Boro

#### **Hunterdon County Continued**

Raritan Twp.  
Readington Twp.  
Stockton Boro  
Tewksbury Twp.  
Union Twp.  
West Amwell Twp.

#### **Mercer County**

East Windsor Twp.  
Hightstown Boro  
Hopewell Twp.  
Robbinsville Twp.  
West Windsor Twp.

#### **Middlesex County**

Cranbury Twp.  
East Brunswick Twp.  
Helmetta Boro

**Middlesex County Continued**

Jamesburg Boro  
Monroe Twp.  
Old Bridge Twp.  
Sayreville Boro  
South Amboy, City of  
South Brunswick Twp.  
Spotswood Boro

**Monmouth County**

Aberdeen Twp.\*  
Allenhurst Boro\*  
Asbury Park, City of\*  
Atlantic Highlands Boro\*  
Avon-by-the Sea Boro\*  
Belmar Boro\*  
Bradley Beach Boro\*  
Brielle Boro\*  
Colts Neck Twp.  
Deal Boro\*  
Eatontown Boro\*  
Englishtown Boro  
Fair Haven Boro\*  
Farmingdale Boro  
Freehold Boro  
Freehold Twp.  
Hazlet Twp.\*  
Highlands Boro\*  
Holmdel Twp. \*  
Howell Twp.  
Interlaken Boro\*  
Keansburg Boro\*  
Keyport Boro\*  
Lake Como Boro\*  
Little Silver Boro\*  
Loch Arbour, Village of\*  
Long Branch, City of\*  
Manalapan Twp.  
Manasquan Boro\*  
Marlboro Twp.  
Matawan Boro\*  
Middletown Twp. \*  
Millstone Twp.  
Monmouth Beach Boro\*  
Neptune City Boro\*  
Neptune Twp.  
Oceanport Boro\*  
Ocean Twp.\*  
Red Bank Boro\*  
Roosevelt Boro  
Rumson Boro\*  
Sea Bright Boro\*  
Sea Girt Boro\*  
Shrewsbury Boro\*  
Shrewsbury Twp.  
Spring Lake Boro\*  
Spring Lake Heights Boro\*  
Tinton Falls Boro  
Union Beach Boro\*  
Upper Freehold Twp.

**Monmouth County Continued**

Wall Twp.\*  
West Long Branch Boro\*

**Morris County**

Boonton, Town of  
Boonton Twp.  
Butler Boro  
Chatham Boro  
Chatham Twp.  
Chester Boro  
Chester Twp.  
Denville Twp.  
Dover, Town of  
East Hanover Twp.  
Florham Park Boro  
Hanover Twp.  
Harding Twp.  
Jefferson Twp.  
Kinnelon Boro  
Lincoln Park Boro  
Long Hill Twp.  
Madison Boro  
Mendham Boro  
Mendham Twp.  
Mine Hill Twp.  
Montville Twp.  
Morris Twp.  
Morristown, Town of  
Morris Plains Boro  
Mountain Lakes Boro  
Mt. Arlington Boro  
Mt. Olive Twp.  
Netcong Boro  
Parsippany-Troy Hills Twp.  
Pequannock Twp.  
Randolph Twp.  
Riverdale Boro  
Rockaway Boro  
Rockaway Twp  
Roxbury Twp.  
Victory Gardens Boro  
Washington Twp.  
Wharton Boro

**Ocean County**

Barnegat Twp.\*  
Bay Head Boro\*  
Beachwood Boro\*  
Berkeley Twp. \*  
Brick Twp.\*  
Island Heights Boro\*  
Jackson Twp.\*  
Lacey Twp.\*  
Lakehurst Boro\*  
Lakewood Twp.\*  
Lavallette Boro\*  
Manchester Twp.\*  
Mantoloking Boro\*  
Ocean Twp.\*

**Ocean County Continued**

Ocean Gate Boro\*  
Pine Beach Boro\*  
Plumsted Twp.  
Point Pleasant Boro\*  
Point Pleasant Beach Boro\*  
Seaside Heights Boro\*  
Seaside Park Boro\*  
South Toms River\*  
Toms River\*

**Passaic County**

Bloomington Boro  
Pompton Lakes Boro  
Ringwood Boro  
Wanaque Boro  
Wayne Twp.  
West Milford Twp.

**Somerset County**

Bedminster Twp.  
Bernards Twp.  
Bernardsville Boro  
Branchburg Twp.  
Bridgewater Twp.  
Far Hills Boro  
Green Brook Twp.  
Hillsborough Twp.  
Peapack-Gladstone Boro  
Warren Twp.  
Watchung Boro

**Sussex County**

Andover Boro  
Andover Twp.  
Branchville Boro  
Byram Twp.  
Frankford Twp.  
Franklin Boro  
Fredon Twp.  
Green Twp.  
Hamburg Boro  
Hampton Twp.  
Hardyston Twp.  
Hopatcong Boro  
Lafayette Twp.  
Montague Twp.  
Newton, Town of  
Ogdensburg Boro  
Sandyston Twp.  
Sparta Twp.  
Stanhope Boro  
Stillwater Twp.  
Sussex Boro  
Vernon Twp.  
Walpack Twp.  
Wantage Twp.

**Union County**

Berkeley Heights Twp.

**Union County Continued**

Mountainside Boro  
New Providence Boro  
Springfield Twp.  
Summit, City of

**Warren County**

Allamuchy Twp.  
Alpha Boro  
Belvidere, Town of  
Blairstown Twp.

**Warren County Continued**

Franklin Twp.  
Frelinghuysen Twp.  
Greenwich Twp.  
Hackettstown, Town of  
Hardwick Twp.  
Harmony Twp.  
Hope Twp.  
Independence Twp.  
Knowlton Twp.  
Liberty Twp.

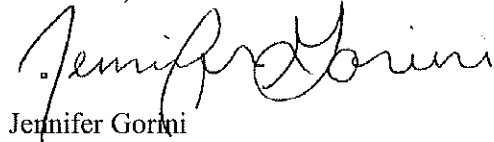
**Warren County Continued**

Lopatcong Twp.  
Mansfield Twp.  
Oxford Twp.  
Phillipsburg, Town of  
Pohatcong Twp.  
Washington Boro  
Washington Twp.  
White Twp.

Written comments may be submitted to the New Jersey Department of Environmental Protection as described in the attached Public Notices. If you have any questions about the application, you can contact the undersigned.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC



Jennifer Gorni  
67B Mountain Boulevard Extension  
Warren, NJ 07059

**Attachments:** Public Notices  
Complete Copy of Multi-Permit Application

December 2019  
Jersey Central Power and Light Company (JCP&L)  
Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities  
235 Municipalities, 13 Counties, New Jersey

**Public Notice**  
**Freshwater Wetlands General Permit No.1**

This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 1 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor

**Public Notice**  
**Coastal General Permit No. 19**

This letter is to provide you with legal notification that an application for an authorization under coastal general permit 19 will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection  
Division of Land Use Regulation  
P.O. Box 420, Code 501-02A  
Trenton, New Jersey 08625  
Attn: (Your Municipality) Supervisor



December 2019

Jersey Central Power and Light Company (JCP&L)

Vegetative Maintenance, Utility Infrastructure Maintenance, Repair and Replacement Activities

235 Municipalities, 13 Counties, New Jersey

**Public Notice  
Coastal Wetlands Permit**

This letter is to provide you with legal notification that an application for a coastal wetlands individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

The complete permit application package can be reviewed at either the municipal clerk's office or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection

Division of Land Use Regulation

P.O. Box 420, Code 501-02A

Trenton, New Jersey 08625

Attn: (Your Municipality) Supervisor

**Public Notice  
Flood Hazard Area Individual Permit**

Take notice that an application for a flood hazard area individual permit will be submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT: Jersey Central Power & Light (JCP&L)

PROJECT NAME: Vegetative and Structural Maintenance

PROJECT DESCRIPTION: Vegetative maintenance and utility infrastructure maintenance, repair and replacement activities within freshwater wetlands, transition areas, and/or state open waters.

PROJECT STREET ADDRESS: Various

BLOCK: Various

LOT: Various

MUNICIPALITY: Various

COUNTY: Various

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection

Division of Land Use Regulation

P.O. Box 420, Code 501-02A

501 East State Street

Trenton, New Jersey 08625

Attn: (Your Municipality) Supervisor



Take Notice that a multi-permit application has been submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for a Freshwater Wetlands Statewide General Permit No. 1, a Coastal General Permit No. 19, a Coastal Wetlands Permit, a Flood Hazard Area Individual Permit, and a Water Quality Certificate for the development described below:

APPLICANT: Jersey Central Power and Light Company (JCP&L)

PROJECT NAME: ROW Vegetative Maintenance and Structural Repair

PROJECT DESCRIPTION: Vegetative maintenance along existing rights-of-way and other critical facilities, structural maintenance and/or replacement of existing utility poles and towers, reconductoring which is the replacement of existing electrical wires, access road maintenance and rehabilitation, and the replacement/upgrade of equipment located within existing electrical substations.

PROJECT STREET ADDRESS: Various

BLOCK: Various

LOTS: Various

MUNICIPALITY: 235 different municipalities

COUNTY: 13 different counties

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection

Division of Land Use Regulation

P.O. Box 420, Code 501-02A

501 East State Street

Trenton, New Jersey 08625

Attn: (Your Municipality) Supervisor



## **ATTACHMENT C**

---

### **Application Fee**





### **Fee Calculation**

#### **Division of Land Use Regulation**

This determination is based on the Regulatory Fee Schedule provided by the New Jersey Department of Environmental Protection, Division of Land Use Regulation revised July 2019 and published at [https://www.nj.gov/dep/landuse/download/lur\\_022.pdf](https://www.nj.gov/dep/landuse/download/lur_022.pdf).

<b>Table 1</b>	
<b>DIVISION OF LAND USE REGULATION FEE CALCULATION</b>	
Coastal General Permit 19	\$1,000
Coastal Wetlands Permit	\$3,000 <sup>1</sup>
Freshwater Wetlands General Permit 1	\$1,000
Flood Hazard Area Individual Permit	\$4,000 <sup>2</sup>
Water Quality Certificate	No Fee
<b>Total Fees</b>	<b>\$9,000</b>

<sup>1</sup> Disturbance to coastal wetlands is anticipated to total less than one acre. This fee calculation conservatively includes the fee for one acre of disturbance to coastal wetlands.

<sup>2</sup> One water crossing was assumed to calculate the fee.

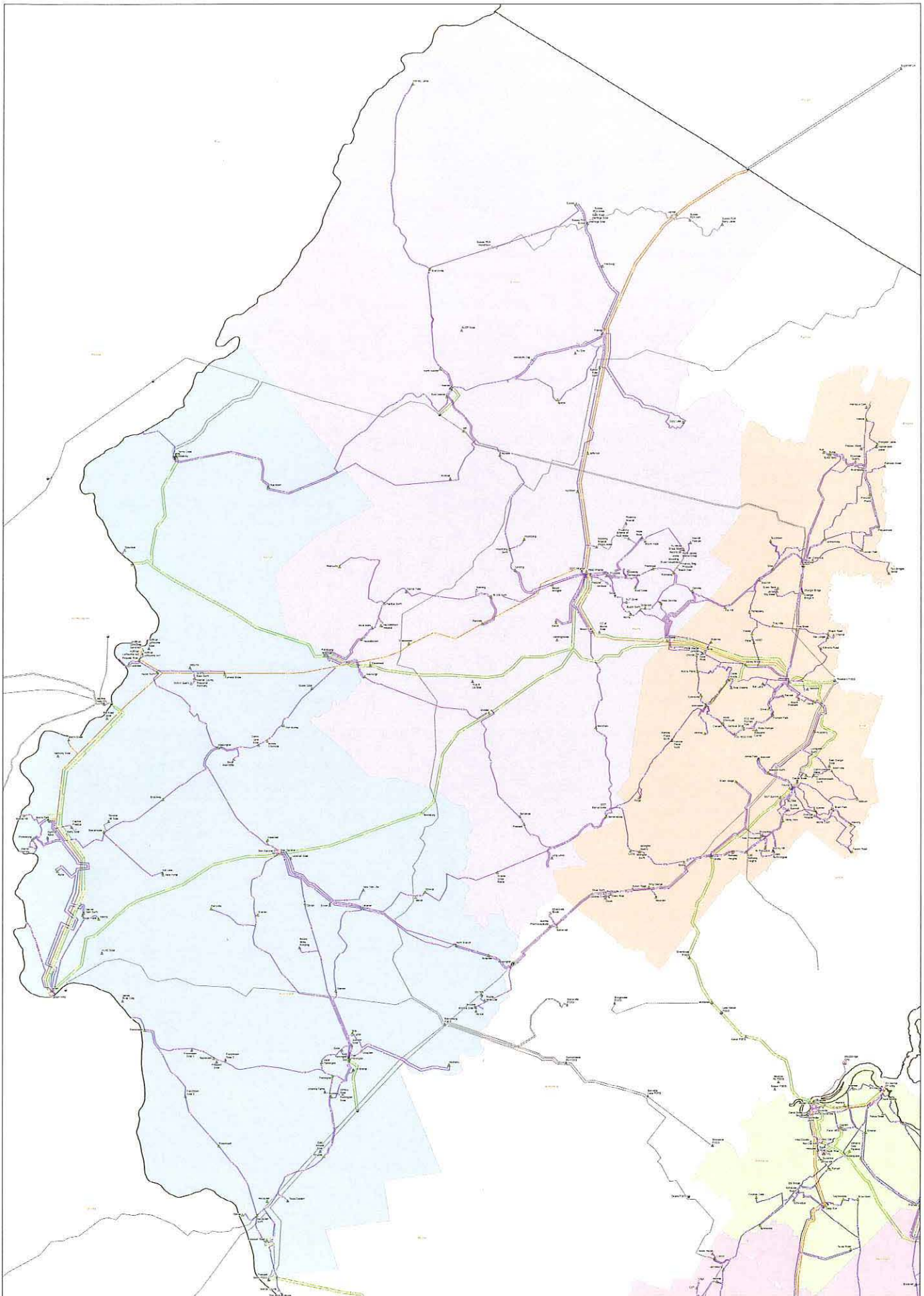


## **ATTACHMENT D**

---

### **Service Area Mapping**





**Jersey Central Power & Light  
Northern NJ Map**



- Facility**
- Hydro
  - Fossil (Foreign)
  - Solar (Foreign)
  - Other (Foreign)
  - × FE
  - △ Foreign

- Transmission Lines**
- 34.5 kV
  - 110 kV
  - 230 kV
  - 500 kV
  - Foreign

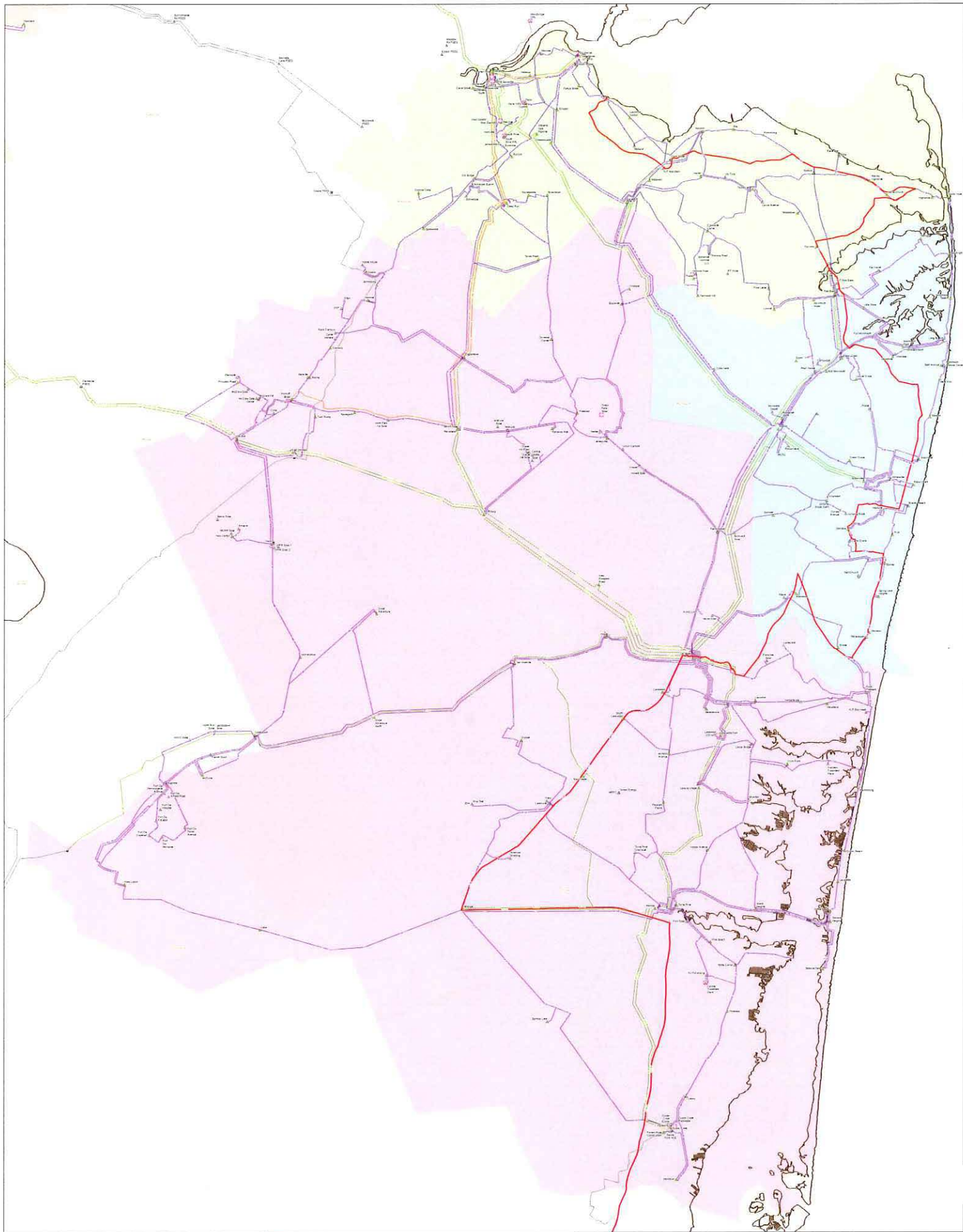
- Points of Interconnection**
- External
  - Internal

- Work Center**
- East Hanover
  - Hopatcong
  - Lakewood
  - Phillipsburg
  - Union Beach



**Jersey Central**  
Power & Light  
A FirstEnergy Company





# Jersey Central Power & Light Central NJ and CAFRA Map



CAFRA

- Facility
- Fossil (Foreign)
- Nuclear (Foreign)
- Solar (Foreign)
- Other (Foreign)
- FE Substation
- Foreign Substation

- Transmission Lines
- 34.5 kV
- 115 kV
- 230 kV
- 500 kV
- Foreign

- Points of Interconnection
- External

- Work Center
- Lakewood
- Phillipsburg
- Union Beach
- Wall

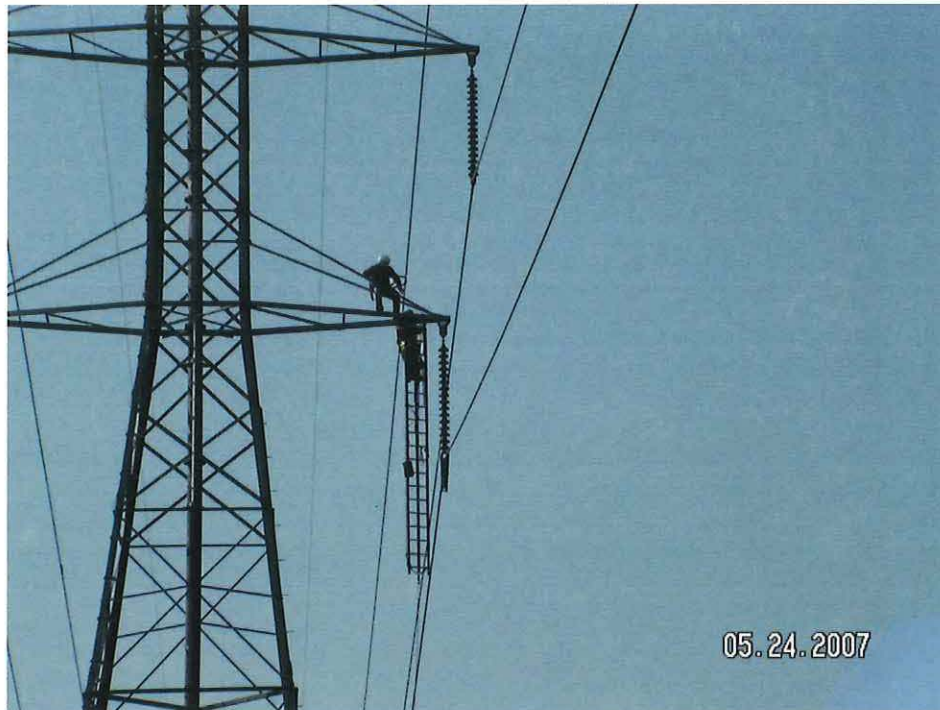


## **ATTACHMENT E**

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### **Typical Photographs and Details**





**Photograph Number 1- Typical Tower Maintenance Activities**



**Photograph Number 2- Typical Mats used in Wetlands near Tower and along ROW**



**Photograph Number 3- Typical Mats used in Wetlands near Tower and along ROW**



**Photograph Number 4- New Breakers Added to Existing Substation**





**Photograph Number 5- Tree on Transmission Wire**



**Photograph Number 6- Typical Vegetative Maintenance**



**Photograph Number 7- Typical Tree-Trimming Activities**





**Photograph Number 8 – Aerial Saw**



**Photograph Number 9 – Aerial Saw**

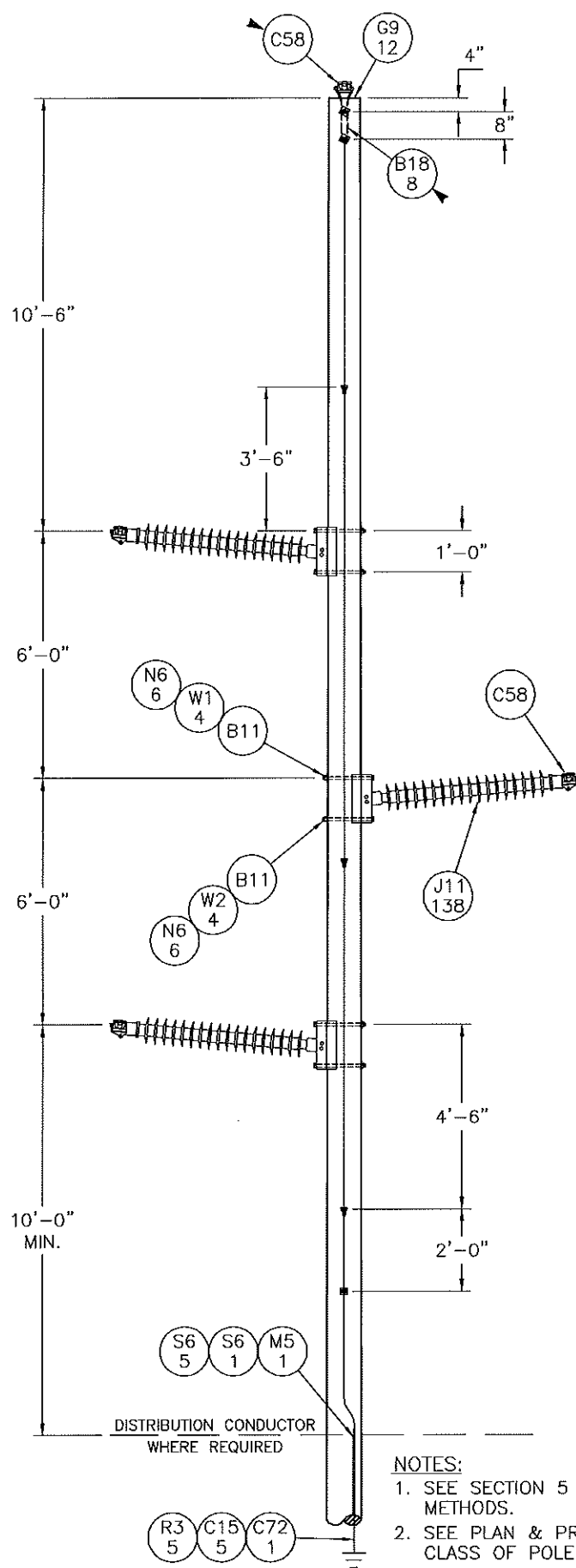


**Photograph Number 10 – Aerial Saw**



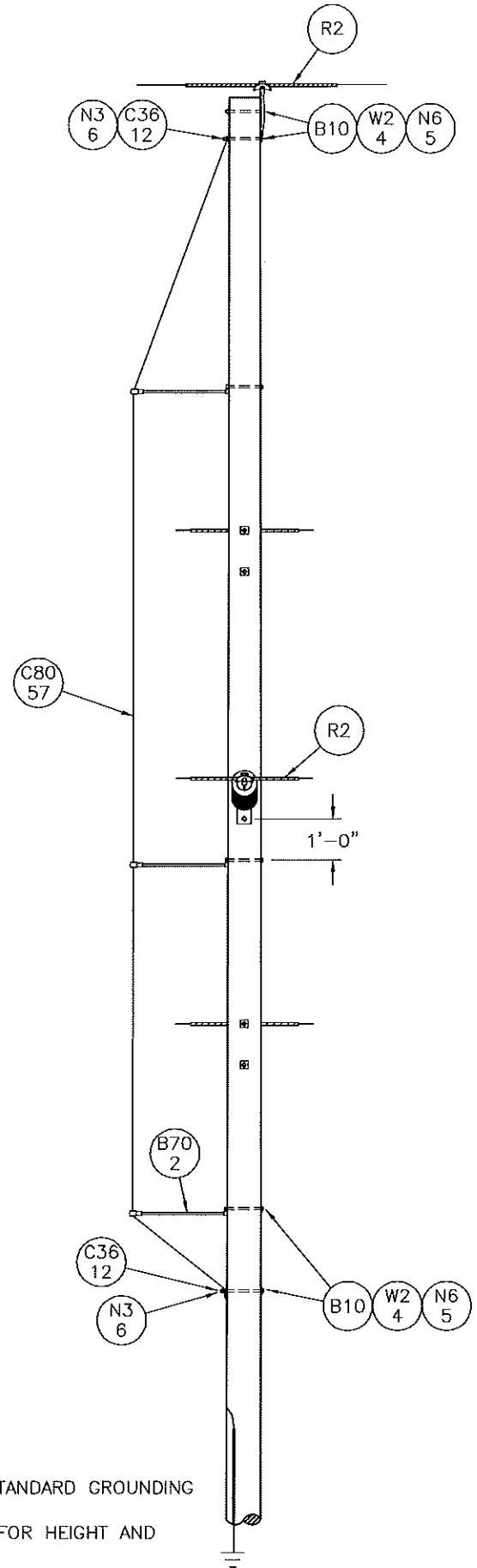
**Photograph Numbers 11 and 12 – Aerial Saw**

APPROVED BY: *DLM*



**NOTES:**

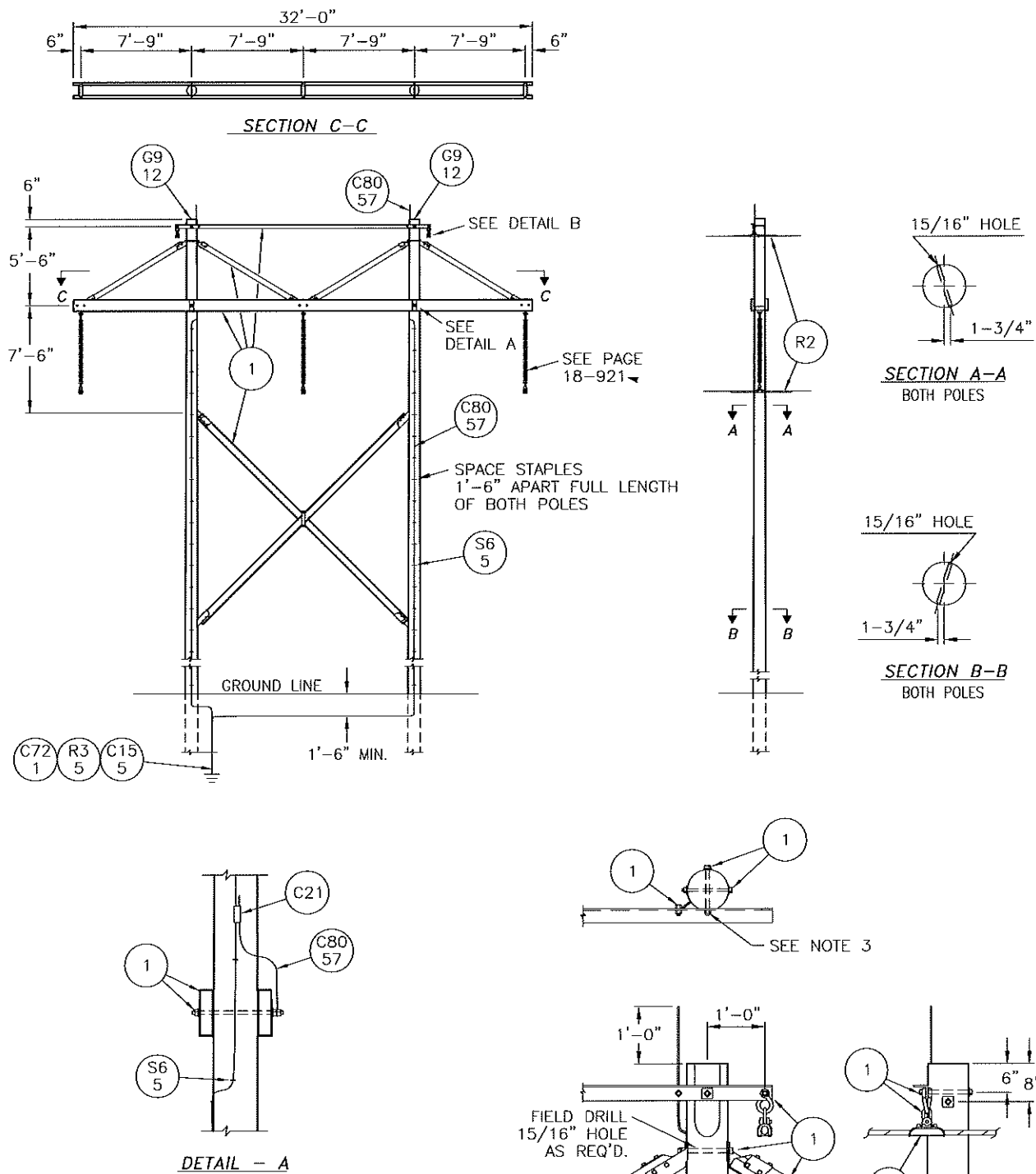
1. SEE SECTION 5 FOR STANDARD GROUNDING METHODS.
2. SEE PLAN & PROFILE FOR HEIGHT AND CLASS OF POLE.



**138kV  
SINGLE CIRCUIT TANGENT  
HORIZONTAL POST INSULATORS**

**FirstEnergy.**

Construction Std.	REV.
	2
	DATE
18-620	12/02



**NOTES:**

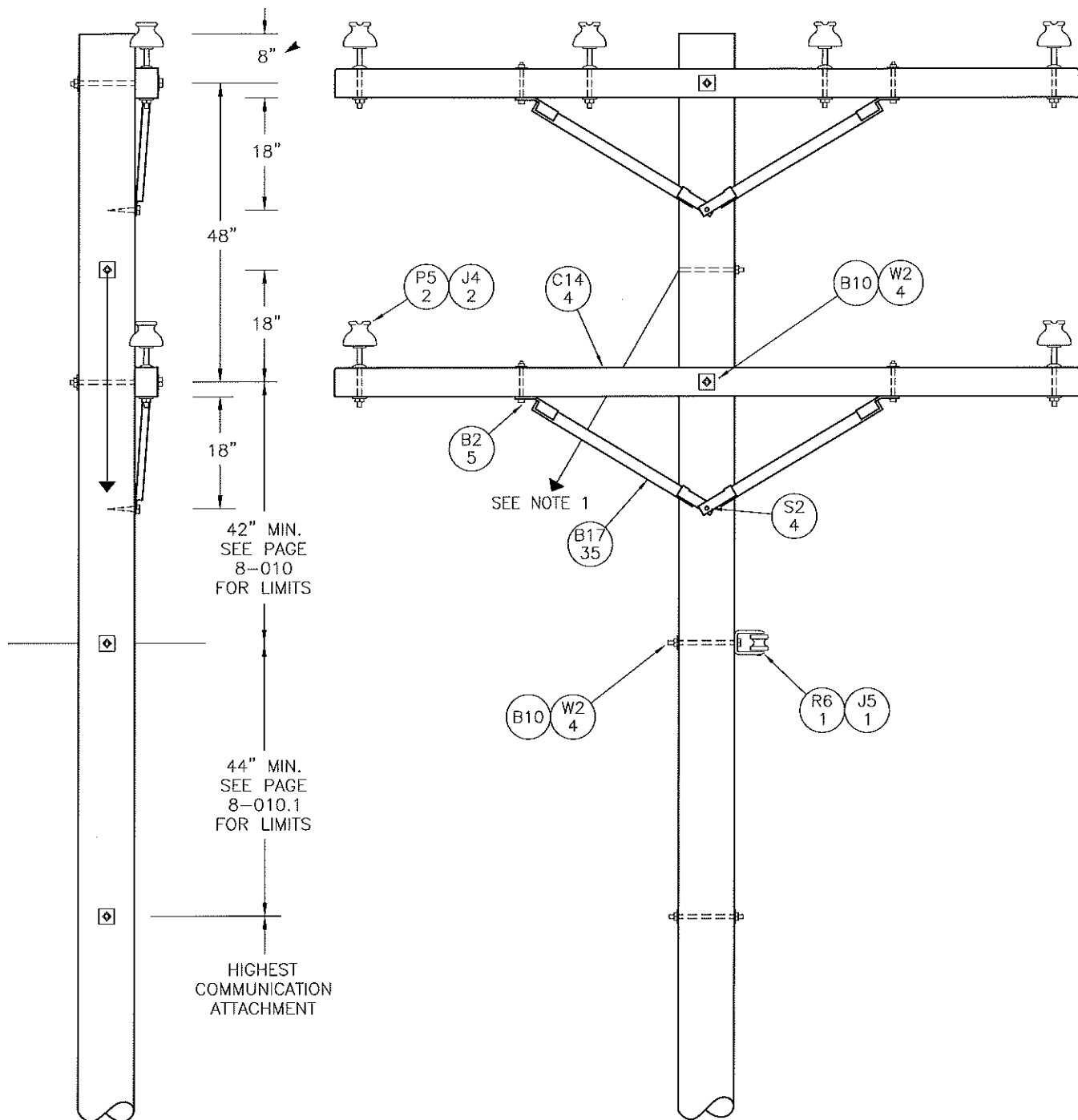
1. ITEMS MARKED (1) ARE INCLUDED IN KIT I.D. #46065001.
2. SEE SECTION 5 FOR STANDARD GROUNDING METHODS.
3. INSTALL MACHINE BOLTS WITH HEADS AGAINST ANGLE IRON.
4. SEE OHIO EDISON SPEC. OE-NCR-5 FOR CROSSARM ASSEMBLY DETAIL.
5. SEE PLAN AND PROFILE FOR HEIGHT AND CLASS OF POLE.
6. DO NOT LOWER X-BRACE WHEN REPLACING AN EXISTING PORCELAIN SUSPENSION INSULATOR WITH A POLYMER SUSPENSION INSULATOR.

**138kV  
SINGLE CIRCUIT TANGENT  
H-FRAME**

**FirstEnergy.**

Construction Std.	REV.
	2
18-605	DATE
	1/06

APPROVED BY: *JGP/ggm*



**NOTE:**

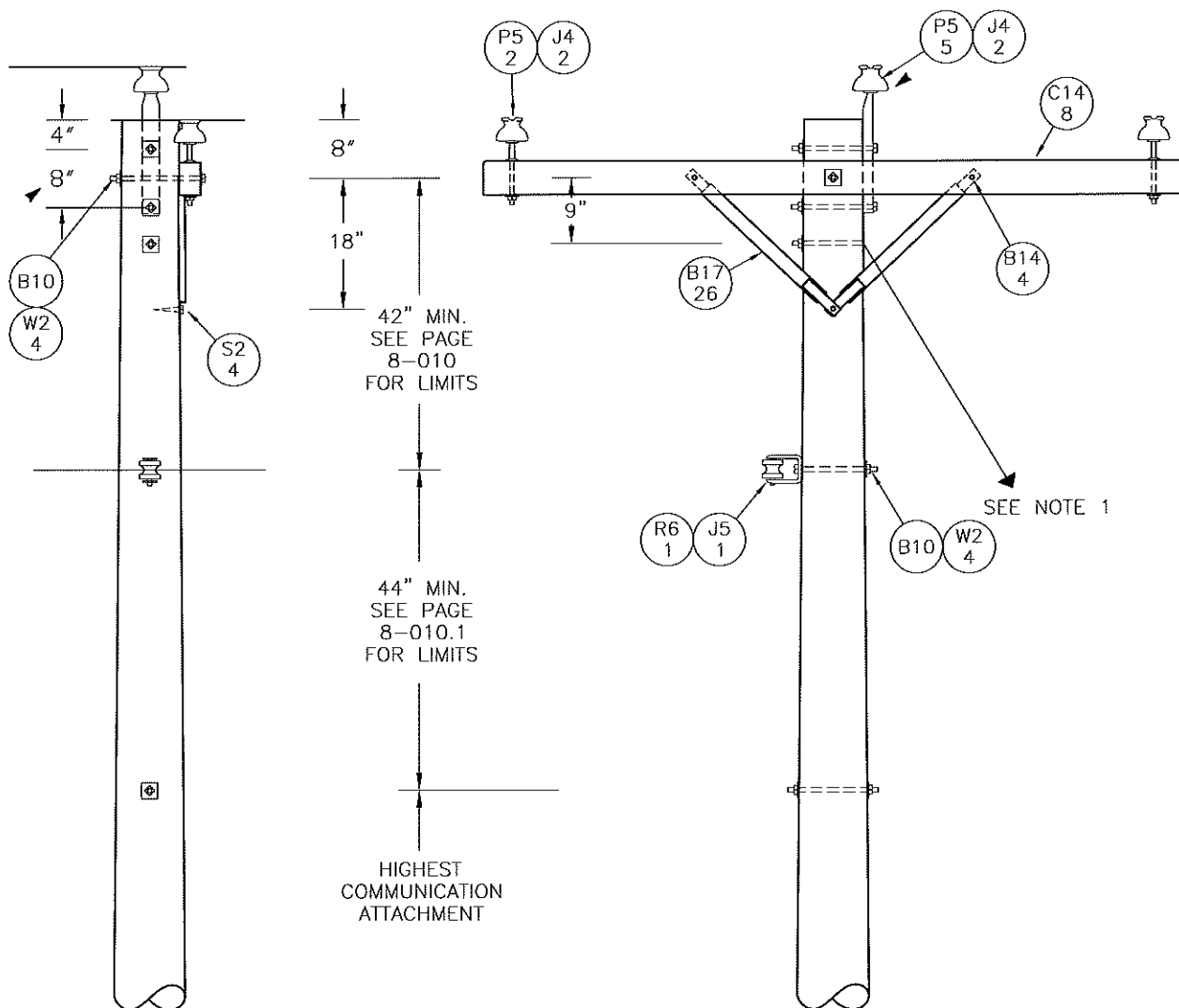
1. GUY POSITIONS VARY DEPENDING ON THE CONDUCTOR SIZE AND SPAN LENGTH. SEE SECTION 7 FOR DETAILS.

**3Ø DOUBLE CIRCUIT TANGENT TO 10' LINE  
10' CROSSARM CONSTRUCTION  
15kV CLASS**

**FirstEnergy**

Construction Std.	REV.
8-505	2
	DATE
	8/02

APPROVED BY: WJE/gfm



**NOTE:**

1. GUY AS REQUIRED. SEE SECTION 7 FOR DETAILS.
2. USE 24" POLETOP PIN (P5/2A) FOR DELTA VOLTAGES GREATER THAN 8.7KV PHASE TO PHASE.

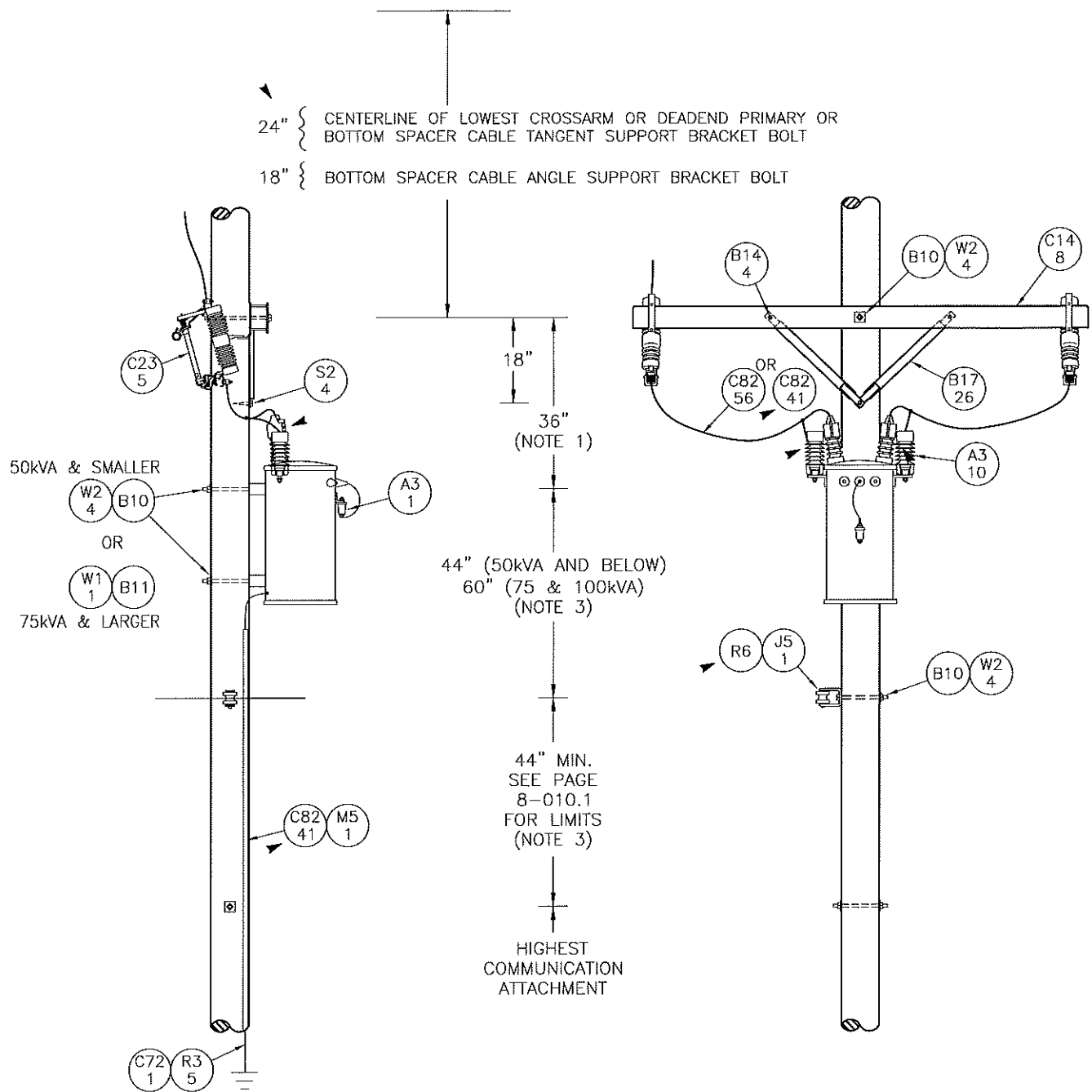
CONDUCTOR	MAXIMUM LINE ANGLE		
	SPAN LENGTH RANGES		
	0'-179'	180'-249'	250'-350'
#4 ACSR	30°	30°	30°
1/0 ACSR	27°	20°	15°
336.4 AAC	20°	13°	10°
636 AAC	13°	12°	9°

**3Ø TANGENT AND LIGHT ANGLE  
8' CROSSARM CONSTRUCTION  
15KV CLASS**

**FirstEnergy**

Construction Std.	REV.
8-205	1
	DATE
	3/03





#### NOTES:

1. IF THE LOCATION IS LIKELY TO HAVE A CLUSTER INSTALLATION IN THE NEAR FUTURE, USE 48" SPACING.
2. THE TRANSFORMER/ARRESTER GROUND SHALL NOT BE CONNECTED TO THE SECONDARY NEUTRAL EXCEPT THROUGH A SPARK GAP (A3/1). SEE PAGES 5-052 & 5-053 FOR GROUNDING DETAILS.
3. IF OPEN WIRE RACK (R6/3) IS USED IN PLACE OF SINGLE WIRE RACK (R6/1 OR R6/2), USE THE SPACINGS SHOWN ON 11-120 FOR BOTH TRANSFORMER TO SECONDARY AND FOR SECONDARY TO COMMUNICATION.
4. 600V INSULATED COPPER GROUNDING CONDUCTOR IS REQUIRED PER CHANGE IN 2002 NESC RULE 097D1

**1Ø CONVENTIONAL TRANSFORMER  
120/240V SECONDARY  
DELTA / UNIGROUNDED WYE SYSTEMS**

**FirstEnergy**

Construction Std.

REV.

**11-110**

2

DATE

8/02

# NOTES:

1. EACH FOUNDATION TO BE ELECTRICALLY GROUNDED. SEE N.J.P. & L. CO. DWG. A-7676.
2. MONOLITHIC PLACEMENT OF FOUNDATION PREFERRED, BUT A CONSTRUCTION JOINT IS PERMITTED AT THE TOP OF SLAB. IF SUCH A JOINT IS USED, THE TOP OF SLAB SHALL BE CLEANED, ROUGHENED AND THOROUGHLY BRUSHED WITH MORTAR BEFORE PLACEMENT OF NEXT SECTION.
3. ALL DIMENSIONS TO REINFORCEMENT ARE TO CENTER OF BARS.
4. EXCESS WATER TO BE PUMPED FROM HOLES BEFORE POURING CONCRETE.
5. FOUNDATIONS ARE DESIGNED FOR 110% OF UPLIFT LOADS & 110% OF COMPRESSIVE LOADS.
6. MAXIMUM STRESS IN STUB ANGLE
 

LH + 204.9 K.	- 246.1 K
M + 228.8 K.	- 251.8 K
MH + 226.0 K.	- 269.0 K
7. MAXIMUM BEARING ON SOIL.
 

LH - 4280 #/FT <sup>2</sup> ,	M - 4340 #/FT <sup>2</sup> ,	MH - 4590 #/FT <sup>2</sup>
-------------------------------	------------------------------	-----------------------------
8. FOR REMAINING SETTING DETAILS; SEE AMERICAN BRIDGE DWG NO. E-501 TYPE LH  
E-201 " M  
E-502 " MH

## MATERIAL FOR LH, M, MH, TYPE TOWER FOOTINGS

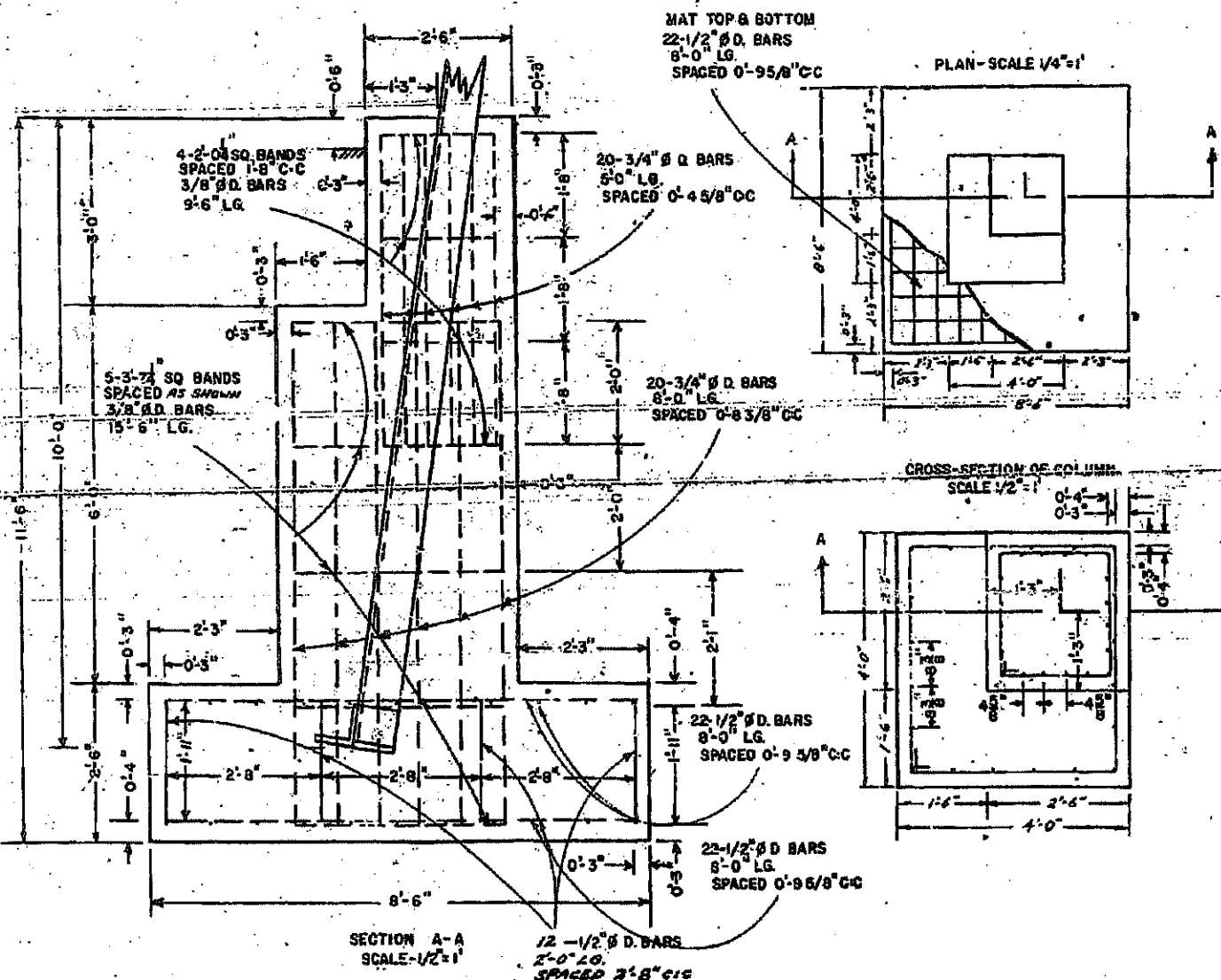
DESCRIPTION	QUANTITY		REMARKS
	FOOTING	TOWER	
3000# MIX CONCRETE	11 YDS <sup>3</sup>	44 YDS <sup>3</sup>	NET QUANTITY
22-1/2" Ø D. BARS	20	80	STRAIGHT
8-0" 3/4" Ø D. BARS	20	80	"
8-0" 1/2" Ø D. BARS	44	176	"
9-6" 3/8" Ø D. BARS	4	16	2-0" SQ BANDS □
15-6" 3/8" Ø D. BARS	5	20	3-7" SQ BANDS □
2-0" 1/2" Ø D. BARS	12	48	STRAIGHT

Revised 12-10-64

J. C. P. & L. CO.  
MORRISTOWN, N. J.

STANDARD  
230KV TRANSMISSION LINE  
FOOTING FOR LH, M, MH  
TYPE TOWERS

SCALE AS SHOWN



FOOTING FOR LH, M, MH TYPE TOWER

NO. 1, 5, 10, 40, 51

# NOTES:

1. EACH FOUNDATION TO BE ELECTRICALLY GROUNDED. SEE N.J.P.&L. CO. DWG. A-7676.
2. MONOLITHIC PLACEMENT OF FOUNDATION PREFERRED, BUT A CONSTRUCTION JOINT IS PERMITTED AT THE TOP OF SLAB. IF SUCH A JOINT IS USED, THE TOP OF SLAB SHALL BE CLEANED, ROUGHENED AND THOROUGHLY BRUSHED WITH MORTAR BEFORE PLACEMENT OF NEXT SECTION.
3. ALL DIMENSIONS TO REINFORCEMENT ARE TO CENTER OF BARS.
4. EXCESS WATER TO BE PUMPED FROM HOLES BEFORE POURING CONCRETE.
5. FOUNDATIONS ARE DESIGNED FOR 110% OF UPLIFT LOADS & 110% OF COMPRESSIVE LOADS.
6. MAXIMUM STRESS IN STUB ANGLE
 

LH + 204.9 K.	- 246.1 K
M + 228.8 K.	- 251.8 K
MH + 226.0 K.	- 269.0 K.
7. MAXIMUM BEARING ON SOIL.
 

LH - 4250 #/FT <sup>2</sup>	M - 4340 #/FT <sup>2</sup>	MH - 4690 #/FT <sup>2</sup>
-----------------------------	----------------------------	-----------------------------
8. FOR REMAINING SETTING DETAILS, SEE AMERICAN BRIDGE DWG NO. E-501 TYPE LH  
E-201 " M  
E-502 " MH

## MATERIAL FOR LH, M, MH, TYPE TOWER FOOTINGS

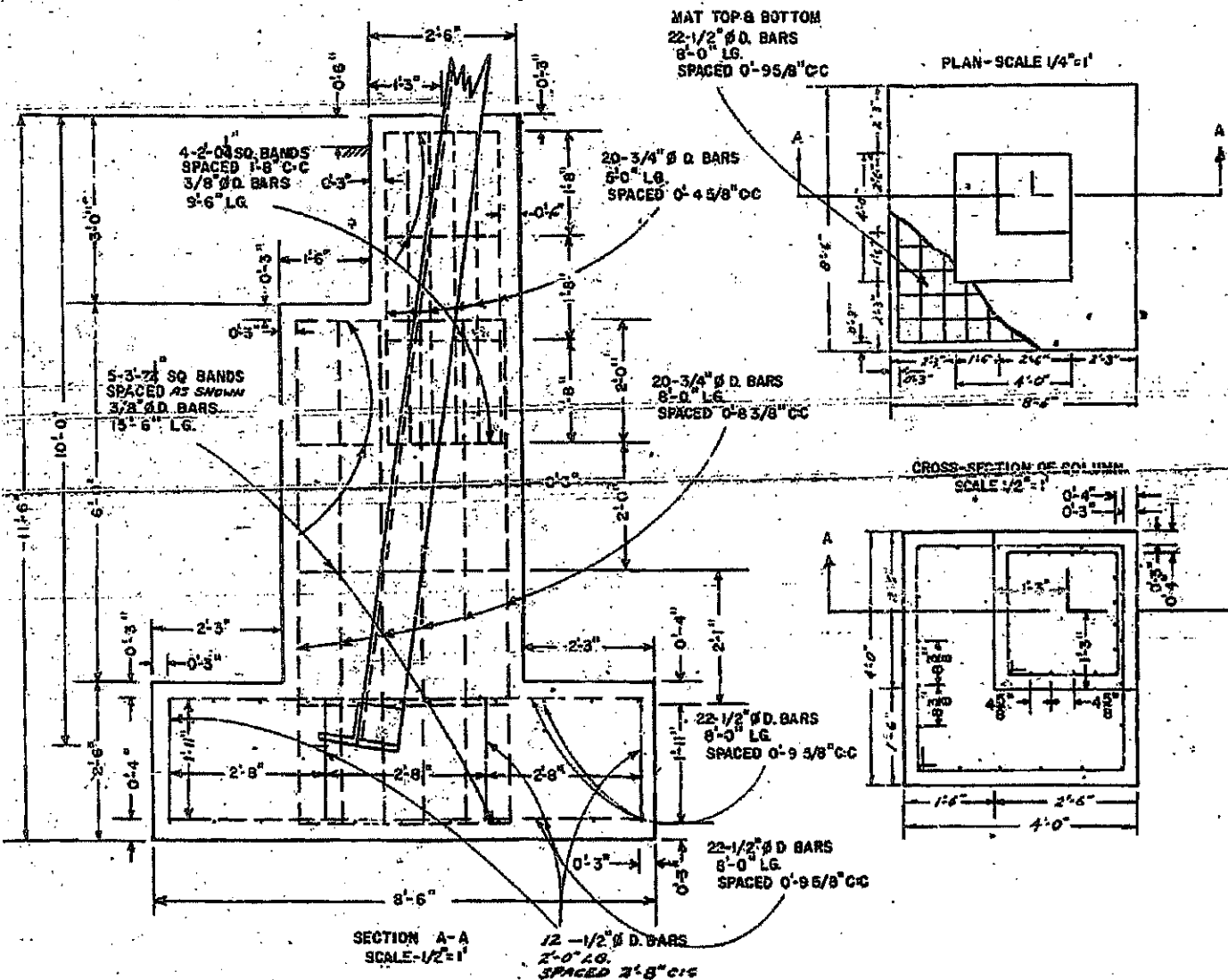
DESCRIPTION	QUANTITY		REMARKS
	FOOTING	TOWER	
3000# MIX CONCRETE	11 YDS <sup>3</sup>	44 YDS <sup>3</sup>	NET QUANTITY
22-1/2" Ø D. BARS	20	80	STRAIGHT
8-0" 3/4" Ø D. BARS	20	80	"
8-0" 1/2" Ø D. BARS	44	176	"
9-6" 3/8" Ø D. BARS	4	16	2-0" SQ BANDS □
15-6" 3/8" Ø D. BARS	5	20	3-71" SQ BANDS □
2-0" 1/2" Ø D. BARS	12	48	4 STRAIGHT

Revised 12-10-64

J. C. P. & L. CO.  
MORRISTOWN, N. J.

STANDARD  
230KV TRANSMISSION LINE  
FOOTING FOR LH, M, MH  
TYPE TOWERS

SCALE AS SHOWN



FOOTING FOR LH, M, MH TYPE TOWER

NO. 1, 5, 10, 40, 51

# NOTES:

1. EACH FOUNDATION TO BE ELECTRICALLY GROUNDED. SEE N.J.P.&L. CO. DWG. A-7676.
2. MONOLITHIC PLACEMENT OF FOUNDATION PREFERRED, BUT A CONSTRUCTION JOINT IS PERMITTED AT THE TOP OF SLAB. IF SUCH A JOINT IS USED, THE TOP OF SLAB SHALL BE CLEANED, ROUGHENED AND THOROUGHLY BRUSHED WITH MORTAR BEFORE PLACEMENT OF NEXT SECTION.
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6. MAXIMUM STRESS IN STUB ANGLE
 

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M + 228.8 K.	- 251.8 K
MH + 226.0 K.	- 269.0 K.
7. MAXIMUM BEARING ON SOIL.
 

LH - 4250 #/FT <sup>2</sup>	M - 4340 #/FT <sup>2</sup>	MH - 4690 #/FT <sup>2</sup>
-----------------------------	----------------------------	-----------------------------
8. FOR REMAINING SETTING DETAILS; SEE AMERICAN BRIDGE DWG NO. E-501 TYPE LH  
E-201 " M  
E-502 " MH

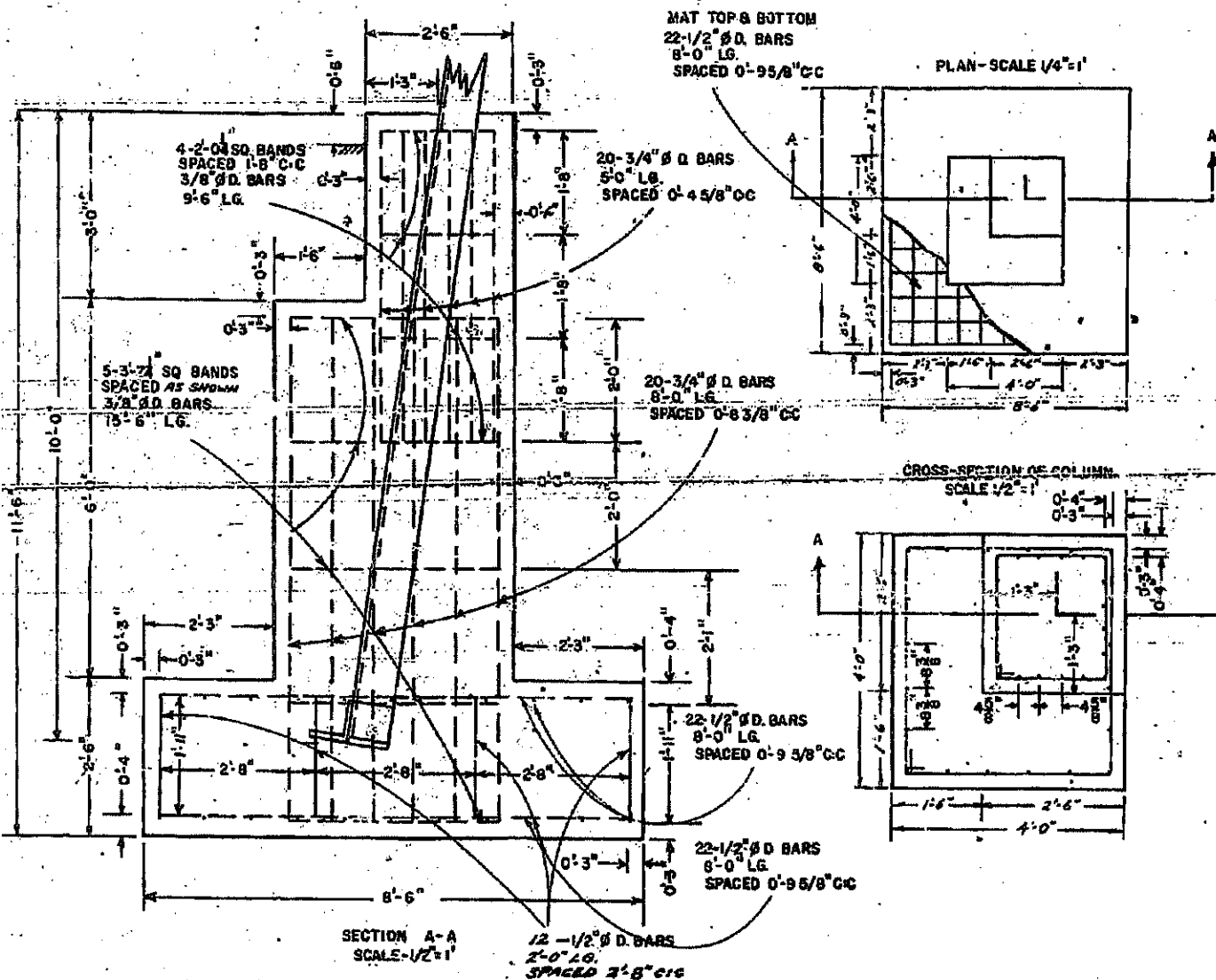
## MATERIAL FOR LH, M, MH, TYPE TOWER FOOTINGS

DESCRIPTION	QUANTITY		REMARKS
	FOOTING	TOWER	
3000# MIX CONCRETE	11 YDS <sup>3</sup>	44 YDS <sup>3</sup>	NET QUANTITY
2'-0" 3/4" Ø D. BARS	20	80	STRAIGHT
8'-0" 3/4" Ø D. BARS	20	80	"
8'-0" 1/2" Ø D. BARS	44	176	"
9'-6" 3/8" Ø D. BARS	4	16	2'-0" SQ BANDS □
15'-6" 3/8" Ø D. BARS	5	20	3'-7 1/4" SQ BANDS □
2'-0" 1/2" Ø D. BARS	12	48	STRAIGHT

Revised 12-10-64

J. C. P. & L. CO.  
MORRISTOWN, N. J.

STANDARD  
230KV TRANSMISSION LINE  
FOOTING FOR LH, M, MH  
TYPE TOWERS



FOOTING FOR LH, M, MH TYPE TOWER

NO. 1, 5, 10, 40, 51

## **ATTACHMENT F**

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### **Environmental Report and Compliance Statement**





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### **LIST OF TABLES**

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Table 2	Applicable Coastal Zone Management Rules

## **1.0 PROJECT DESCRIPTION**

### **1.1 Project Overview**

JCP&L provides electrical service within the central and northern regions of New Jersey within 13 counties (Burlington, Essex, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union, and Warren Counties) and 235 municipalities covering approximately 3,256 square miles (Service Area Mapping Attachment D). JCP&L must maintain approximately 14,000 corridor miles of electric lines (12,000 miles are distribution corridors and approximately 2,000 miles are transmission corridors). In addition, JCP&L must maintain the infrastructure (e.g., poles, towers, transformers, switches, substations, and other electrical devices) that are located along these distribution and transmission lines, and which are necessary for the safe and reliable delivery of electric service.

Although a majority of JCP&L's distribution and transmission infrastructure and substations are located in non-NJDEP regulated areas, JCP&L is submitting this Multi-Permit Application for the maintenance of existing infrastructure that may be located in NJDEP regulated areas. The NJDEP regulated areas include wetlands (freshwater and coastal), wetland transition areas, flood hazard areas and associated riparian zones, and the CAFRA Zone. The proposed activities, which are discussed in greater detail below, include: vegetative maintenance along existing rights-of-way (ROWs) and other critical facilities (as identified by the company, transmission operator or governing regulatory body including the JCP&L Yard's Creek Generating Station); structural maintenance and/or replacement of existing utility poles and towers; reconductoring which is the replacement of existing electrical wires; access road maintenance activities; the replacement/upgrade of equipment located within existing electrical substations; and emergency restoration activities during and following storm events (typically removal of storm damaged tree limbs, which are or may interfere with conductors and repair/replacement of poles and wires).

This application is not requesting authorization for any new utility construction activities or for activities associated with the expansion of existing infrastructure, but is limited to the maintenance, repair, replacement, upgrades and/or reconstruction, including emergency response activities, of legally existing facilities and access roads.

### **1.2 Administrative Approach**

JCP&L was previously authorized to conduct the subject activities pursuant to Flood Hazard Area Individual Permit (0000-05-0010.1 FHA 150001), Coastal Wetlands Permit (0000-05-0010.1 CSW150001), Coastal General Permit 19 (0000-05-0010.1 CAF150001), Freshwater Wetlands General Permit 1 (0000-05-0010.1 FWW150001), and Water Quality Certificate approved on September 10, 2015. To significantly reduce extraneous NJDEP administrative review, JCP&L is applying for a renewal of these authorizations through this Multi-Permit Application for Freshwater Wetlands General Permit No. 1, Flood Hazard Area Individual Permit, a Coastal General Permit No. 19,

Coastal Wetlands Permits, and a Water Quality Certificate on a five (5) year basis inclusive of the entire service area located within the central and northern regions of the State of New Jersey (13 counties and 235 municipalities). Although a majority of the proposed activities can be completed under the Flood Hazard Area Permits-by-Rule, the activities also include activities that require a Flood Hazard Area Individual Permit. Certain maintenance activities including tree removal that might not be considered “selective”, structural replacement activities not covered by a permit-by-rule or permit-by-certification, access roadway maintenance, and the application of herbicides within riparian zones may require a Flood Hazard Area Individual Permit.

### **1.3 Proposed Activities**

#### **1.3.1 Vegetative Maintenance Along Rights-of-Way and Other Critical Facilities**

JCP&L conducts scheduled vegetative maintenance operations along its transmission and distribution line ROWs, measuring from 15 to 300 feet in width, every four years to protect against tree-related interruptions of service. JCP&L also conducts this type of vegetative maintenance around electrical substations and other critical facilities (as identified by the company, transmission operator or governing regulatory body including the JCP&L Yard’s Creek Generating Station). This maintenance is necessary to protect the public against danger from the growth of vegetation into energized electrical conductors. JCP&L’s policy is to utilize the services and knowledge of employees trained in proper management of ROWs while ensuring safe, dependable and reliable power to customers. JCP&L hires qualified line clearance contractors to perform all vegetative maintenance work. All proposed activities are conducted through an Integrated Vegetative Maintenance (IVM) program. The objective of the IVM program is to ensure the continued and safe operation of transmission and distribution circuits through the management (the removal of vegetation by mechanical means or with herbicides) of vegetation that has the potential to interfere with the safe and reliable operation of JCP&L’s electric system. Different IVM options are selected depending upon access, clearance requirements and vegetation. IVM management decisions are also made following a review of results from aerial surveys as well as inspection by foot patrols. The IVM options include manual and mechanical clearing and herbicide application. Photographs of typical vegetative maintenance activities are provided in Attachment E. Vegetation maintenance is summarized in Appendix A-1 *JCP&L Vegetative Maintenance Program – Distribution Specifications* and Appendix A-2 *JCP&L Vegetative Maintenance Program – Distribution Specifications* in the *JCP&L Practices for Maintenance Work in Water Resource Areas* document provided as Attachment I to this application.

Tree pruning maintenance operations along distribution lines and low-voltage transmission lines along roadsides are typically done from aerial bucket trucks whenever possible. For maintenance of off-road transmission and distribution

systems, tree pruning is typically performed by crews climbing the trees to prune them. If the activity occurs in a wetland area, the work will be carried out in accordance with *JCP&L Practices for Maintenance Work in Water Resource Areas* (Attachment I). Resulting debris from the operations will be handled according to vegetation disposal section 2.1.6 of the *JCP&L Practices for Maintenance Work in Water Resource Areas* (Attachment I). If work cannot be completed manually, side pruning/removal of trees is conducted in such a manner to minimize soil disturbance.

For vegetative maintenance of distribution and transmission corridors, JCP&L targets either dead, diseased, declining, structurally compromised, severely leaning, or significantly encroaching trees onto the corridor. Emphasis shall be placed on managing all incompatible vegetation within the corridor typically referred to as brush. Where trees or brush are removed, their stumps are cut as close to the ground as practical.

JCP&L utilizes an integrated vegetative management approach to conducting vegetative maintenance. Shrub and low growing vegetation are maintained by mechanical cutting (e.g. mower), manual cutting, by selective application of herbicide as per our vegetation work procedures and specifications.

JCP&L maintenance practices are designed to maintain existing patterns of vegetation at heights compatible with safe and efficient operation of the transmission and distribution lines. The goal is to maintain the structure of vegetation communities in an early successional, low-growing plant community dominated by native grasses, herbs, and small shrubs. These vegetation maintenance activities have occurred in most instances for decades and the flora and fauna in the ROW is adapted, and in some instances, dependent upon these activities.

Additionally, based on local conditions, vegetation predicted to mature to a height that will not affect the safety and reliability of the conductors will generally be left in place. Local conditions include but are not limited to techniques carried out during the maintenance cycle, fire risk, anticipated tree and conductor movement, tree species, growth rates, species failure characteristics, local climate, terrain, vegetation within the span and worker approach distance requirements.

Vegetation maintenance is summarized in Appendix A-1 *JCP&L Vegetative Maintenance Program – Distribution Specifications* and Appendix A-2 *JCP&L Vegetative Maintenance Program – Distribution Specifications* in the *JCP&L Practices for Maintenance Work in Water Resource Areas* document provided as Attachment I to this application.

Landowner notification for transmission and distribution vegetation management is conducted in accordance with the regulations promulgated by the New Jersey Board of Public Utilities (N.J.A.C. 14:5-9).

For emergency restoration activities during and following storm events, vegetative maintenance is typically conducted from the paved or existing access road or on foot when access is not available with the intent to minimize impacts to wetlands.

As stipulated by the Board of Public Utilities (BPU), technical standards must be met for vegetative maintenance. They include the following:

1. North American Electrical Reliability Corporation (NERC) Standard FAC-003;
2. Pruning Trees Near Electric Lines, by Dr. Alex L. Shigo;
3. ANSI A300, as defined at N.J.A.C. 14:5-8.2;
4. Tree Pruning Guidelines, published by the International Society of Arboriculture;
5. Environmental Stewardship Strategy for Electric Utility Rights-of-Way, published by the Edison Electric Institute Vegetative Management Task Force;
6. Pruning Standards for Shade Trees, published by the New Jersey Board of Tree Experts;
7. Regulations Governing Electric Power Generation, transmission and Distribution, promulgated by the U.S. Occupational Safety and Health Administration at 29 CFR Part 1910.269;
8. ANSI Z133.1 as defined at N.J.A.C. 14:5-8.2; and
9. All applicable requirements of the “New Jersey High Voltage Proximity Act”, N.J.S.A. 36:6-47.1 et seq., and implementing rules at N.J.A.C. 12:186.

Herbicides are used by JCP&L as an effective tool in vegetative management. Common vegetation management practices of hand cutting and mechanical methods for removing vegetation from the ROW are supplemented by the use of herbicides providing for an Integrated Vegetation Management approach.

The chief benefit and objective of herbicide application is to selectively remove species that exhibit prolific re-sprouting and root suckering that typically follows mechanical removal as a mechanism to reduce the frequency and/or intensity of maintenance activities. Following mechanical or manual cutting, clusters of stems emerge from stumps and/or root systems and increase the stem density. These re-sprouts also grow in height vigorously. The re-sprouts can grow vigorously enough to encroach into the clear zone before the next regularly scheduled maintenance. Treating the stumps with an herbicide to target species reduces or eliminates the resprouting. Eliminating/reducing re-sprouting helps maintain the appropriate vegetation heights between maintenance intervals.



Herbicides, and their selective method of application (i.e., selective foliar application with a water carrier or cut stump treatment) are used to minimize impact on the environment, particularly in WRAs. The earlier successional low-growing shrubs and grasses retained in the ROW will flourish and expand into dense stands of vegetation that naturally inhibit reestablishment of taller faster growing species. The elimination of undesirable species by foliar treatments encourage other shrub and herbaceous growth and slows the invasion of the unwanted species, which may eventually touch or fall on power lines causing interruption of electrical service.

As the preferred low growing shrub/herb community becomes dominant, future maintenance is reduced. A reduction in the maintenance activities provides the added environmental benefits of limiting disturbance to wildlife, reducing soil erosion and excessive compaction of soils from vehicular travel in the ROW. Repeated selective treatment of the ROW for removal of tall-growing species will result in a residual plant community of low-growing plant species that includes shrub species, ferns, herbaceous wildflowers, and grasses which inhibit regeneration of taller species by directly competing for sunlight, water and nutrients.

When herbicides are applied in WRAs, JCP&L's contractors will comply with NJDEP's Bureau of Pesticide Control, Aquatic Pesticide Permit Regulations found at N.J.A.C. 7:30-9. All herbicides shall be applied by an NJDEP licensed Applicator in accordance with the manufacture's label instructions and shall be applied in accordance to all state, local and federal laws governing the use of herbicides. Licensed Applicators will obtain Aquatic Use Permits from the NJDEP Bureau of Pesticide Control prior to spraying herbicides in wetlands and Flood Hazard Area Riparian Zones.

As part of the JCP&L's integrated vegetative management approach, selective herbicide treatments will be conducted on specifically targeted trees and brush. JCP&L may also use herbicides to treat/remove stands or invasive plant species within or adjacent to WRAs. Invasive species are those listed in Appendix 2 of NJDEP's February 2004 *Overview of Nonindigenous Plant Species in New Jersey*. Use of herbicides will occur in WRAs only following acquisition of regulatory approvals from the NJDEP and approvals from the required property owners.

All contractors must possess a business license to conduct herbicide treatment in the State of New Jersey. All applicators must be licensed through the New Jersey's Pesticide Control Program and possess a Category 5 License. All contractors must adhere to strict manufacturer requirements regarding mixing, treatment and the recycling or disposal of containers. A typical Aquatic Use Permit for JCP&L's 2019 herbicide application on selected transmission lines is included in the Attachment K.

### **1.3.2 Structural Maintenance and Replacement Activities**

JCP&L is required to perform scheduled maintenance and emergency repairs on its electrical system including structural inspections, structural maintenance, structural replacements, painting of structures, replacing equipment on structures including insulators, arrestors, electrical devices and cross arms. Utility structures include wood and steel poles, as well as steel towers. The maintenance and repair activities are necessary due to structure aging, wear and tear, storm damage, vandalism, car/pole accidents, etc. These maintenance activities include the repair, replacement, and/or reconstruction, including emergency response activities, of legally existing facilities. Ground disturbances are incidental, limited to areas of disturbance associated with the existing facilities and minimized by the use of best management practices. Details of typical structural infrastructure are provided in Attachment E.

Any work in wetlands or wetland transition areas and flood hazard areas will be conducted utilizing Best Management Practices (BMPs). When maintenance activities are scheduled in these regulated areas JCP&L, as well as its contractors, will follow BMPs such as utilizing track vehicles or other high-flotation equipment to access the site, or working from upland areas. Additional BMPs include the use of Terra-Mats or wood mats for access and to minimize rutting, soil disturbance, etc. All areas disturbed will be re-seeded and graded to original conditions. No permanent filling will occur unless permitted by the NJDEP. All soil disturbances above threshold levels will be conducted pursuant to the appropriate County Soil Conservation District requirements.

Absolutely no vehicle maintenance (such as fueling or changing of fluids) will occur within a wetland/or transition area.

### **1.3.3 Reconductoring Activities**

For JCP&L to provide safe and reliable electric service to customers located in its existing service territory, JCP&L is occasionally required to replace existing electrical wires/conductors that are attached to existing poles and towers (this activity is referred to as reconductoring). Reconductoring is required for a number of reasons such as when the existing conductors have been damaged or compromised due to age, lightning strikes, storm damage, etc. or the electrical demand in the area increases and the existing conductors must be replaced with conductors capable of handling the increased electrical load. Reconductoring activities may include the replacement of existing poles or towers due to age, structural damage cause by weather, wear and tear, etc. Ground disturbances associated with reconductoring activities will be limited to areas of disturbance associated with existing facilities and will be minimized by the use of BMPs.

#### **1.3.4 Access Road Maintenance**

The majority of JCP&L's infrastructure can be maintained by utilizing existing paved roadways, however, there are some electric line ROWs that are located in remote areas and for which access roads exist. These access roads must be maintained in order for JCP&L to access the electric lines within the ROW for inspection and maintenance. To the extent that some of these access roads are located in wetlands and wetland transition areas and flood hazard areas, JCP&L is requesting authorization to maintain these roads, which would include minor grading, placement of stone or use of mats to allow access to the utility poles and facilities that are located within the ROW. JCP&L will use BMPs and conduct activities when the ground is frozen or during dry periods when practicable. When mats or stone are used to improve an access road, the material will be left in place for the minimum time possible and will be removed upon completion of the maintenance activity in that area. The area will be restored to the appropriate grade as noted in the original design of the access roadway.

#### **1.3.5 Equipment Repairs, Replacements and Additions Inside Existing Electrical Substations**

An electrical substation is a facility used for transforming and controlling power. Each facility includes a collection of equipment, structures, conductor, controls, and insulators, and associated hardware enclosed within a fenced area.

The equipment inside an electrical substation includes transformers, electrical control cabinets, switching devices, and support conductors mounted on concrete pads. Gravel is placed around and among the equipment and 5 feet beyond the fence.

Electrical substations have no combustion equipment or industrial processes designed to emit air contaminants or discharge wastewater to the surrounding area or atmosphere. They are unmanned facilities with no permanent employee occupancy. No potable water is required, no wastewater is generated. Sanitary sewers and solid waste receptacles are not required.

Occasionally the equipment within the existing substation must be maintained, replaced or upgraded in order for JCP&L to meet the electrical demand of customers, which is increasing in much of JCP&L service territory. Equipment upgrades may include adding new devices within the existing substation. In such instances, the existing substations are not being enlarged or expanded and all maintenance and upgrade activities are confined to the previously disturbed /gravel areas within the existing fence line. The substation footprint area will remain the same, and no new impervious surface is proposed.

JCP&L is submitting this Multi-Permit Application and seeks NJDEP approval so the maintenance, repair and upgrade activities described above can be completed

within JCP&L's existing substations that are located in the CAFRA Zone (see attached Map and list of JCP&L Substations in the CAFRA Zone) and in existing substations that may be located in wetland transition areas.

## **2.0 ENVIRONMENTAL INVENTORY**

### **2.1 General Site Description**

JCP&L provides electrical service within the central and northern regions of New Jersey within thirteen (13) counties (Burlington, Essex, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union, and Warren Counties) and 235 municipalities covering approximately 3,256 square miles (Service Area Mapping Attachment D). JCP&L must maintain approximately 14,000 corridor miles of electric lines (12,000 miles are distribution corridors and approximately 2,000 miles are transmission corridors). In addition, JCP&L must maintain the infrastructure (e.g., poles, towers, transformers, switches, and other electrical devices) that are located along these distribution and transmission lines, and which are necessary for the safe and reliable delivery of electric service.

### **2.2 Regulated Areas**

The NJDEP regulates various areas of the project site that are subject to the Freshwater Wetlands Protection Act, Flood Hazard Area Control Act and Coastal Zone Rules. The project activities will be designed in accordance with the NJDEP Flood Hazard Area Control Act Rules (N.J.A.C. 7:13), the NJDEP Freshwater Wetland Protection Act (N.J.A.C. 7:7A), and the NJDEP Coastal Zone Management Rules (N.J.A.C. 7:7). JCP&L is of the opinion that the removal of vegetation that constitutes routine maintenance does not require an application to the New Jersey Pinelands Commission (Commission) as indicated by previous correspondence with the Commission in relation to a similar project. Further, in accordance with the Pinelands Comprehensive Management Plan (N.J.A.C. 7:50-4.1(a)15) the pruning of trees, repair and/or replacement of equipment with comparable equipment does not require an application to the Commission. Vegetation that is proposed to be removed within the Pinelands Area will meet the criteria listed above and vegetative maintenance activities will be conducted in accordance with the Pinelands document entitled New Jersey Pinelands Electric-Transmission Right-of-Way Vegetation-Management Plan, dated March 2009.

The discussion below details the jurisdiction of the NJDEP for each of the proposed regulated activities.

#### **2.2.1 Vegetative Maintenance Along Rights-of-Way and Other Critical Facilities**

The proposed vegetative maintenance activities are located throughout the JCP&L service area in northern and central New Jersey. Portions of these activities are anticipated to occur within various areas containing freshwater wetlands, flood hazard areas, and coastal wetlands. The NJDEP considers vegetative maintenance a regulated activity, pursuant to the following regulations: The NJDEP Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A), the NJDEP Flood Hazard Area

Control Act Rules (N.J.A.C. 7:13), and the NJDEP Coastal Zone Management Rules (N.J.A.C. 7:7).

### **2.2.2 Structural Maintenance and Replacement Activities**

The proposed structural maintenance and replacement activities are located throughout the JCP&L service area in northern and central New Jersey. Some of these activities are anticipated to occur within various areas containing freshwater wetlands, flood hazard areas, and coastal wetlands. The NJDEP considers structural maintenance and replacement activities regulated activities, pursuant to the following regulations: The NJDEP Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A), the NJDEP Flood Hazard Area Control Act Rules (N.J.A.C. 7:13), and the NJDEP Coastal Zone Management Rules (N.J.A.C. 7:7).

### **2.2.3 Reconductoring Activities**

The proposed reconductoring activities are located throughout the JCP&L service area in northern and central New Jersey. Some of these activities are anticipated to occur within various areas containing freshwater wetlands, flood hazard areas, and coastal wetlands. The NJDEP considers reconductoring activities regulated activities, pursuant to the following regulations: The NJDEP Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A), the NJDEP Flood Hazard Area Control Act Rules (N.J.A.C. 7:13), and the NJDEP Coastal Zone Management Rules (N.J.A.C. 7:7).

### **2.2.4 Access Road Maintenance**

The proposed access roadway maintenance activities are located throughout the JCP&L service area in northern and central New Jersey. Some of these activities are anticipated to occur within various areas containing freshwater wetlands, flood hazard areas, and coastal wetlands. The NJDEP considers access roadway maintenance activities regulated activities, pursuant to the following regulations: The NJDEP Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A), the NJDEP Flood Hazard Area Control Act Rules (N.J.A.C. 7:13), and the NJDEP Coastal Zone Management Rules (N.J.A.C. 7:7).

### **2.2.5 Equipment Repairs, Replacements and Additions Inside Existing Electrical Substations**

The proposed equipment repairs, replacements, and additions inside existing electrical substations are located throughout the JCP&L service area in northern and central New Jersey. Some of the substations are located within the New Jersey Coastal Zone. The NJDEP considers equipment repairs, replacements, and additions inside existing electrical substations regulated activities, pursuant to the NJDEP Coastal Zone Management Rules (N.J.A.C. 7:7).



### **2.3 Freshwater Wetlands**

The subject JCP&L service area is very extensive and, therefore, project activities described above (vegetative maintenance, structural maintenance and replacement, reconductoring, and access roadway maintenance activities) are anticipated to be located within freshwater wetlands. The project activities are not anticipated to cause temporary or permanent significant adverse impacts to freshwater wetland areas.

### **2.4 Soils**

The subject JCP&L service area is very extensive and therefore, the project activities described above are anticipated to pass through various areas of soils. The project activities are not anticipated to cause temporary or permanent significant adverse impacts to the existing soils. JCP&L will employ BMPs to reduce potential impacts to existing soil conditions.

### **2.5 Threatened or Endangered Species**

The subject JCP&L service area is very extensive and, therefore, the proposed activities are anticipated to pass through areas identified on the NJDEP Landscape Project (Version 3.3) mapping as containing habitat for threatened and endangered species. For many species, the maintained vegetation of the ROWs provides an environment for species which thrive in disturbed or early successional habitat. The management of the habitat and ecological requirements of the various threatened and endangered species are incorporated into JCP&L's IVM program.

When activities are proposed for areas identified as threatened or endangered species habitat or adjacent to such habitat, numerous measures can be utilized to identify and protect the species and/or their habitat. Seasonal timing restrictions on particular activities and/or restricted vehicular access may be implemented to avoid unnecessary disturbance of these species, particularly during breeding seasons. Vernal habitat will be avoided, if possible, and when it may be necessary to work in the vicinity of this resource, activities may be restricted to those periods when vernal pond breeding reptiles and amphibians are not active (i.e., during the summer months when ponds are dry). Protective fencing may be installed around areas of sensitive plant species to prevent access or other disturbance. Species specific surveys may also be conducted to identify the presence of threatened and endangered species. All surveys will be conducted in accordance with N.J.A.C. 7:7-11.2. In the event of an emergency, the appropriate agencies will be notified of the need to conduct repairs.

Finally, for sites within the limits of the NJ Pinelands Jurisdictional Area, the list of plant species contained within the Pinelands Comprehensive Management Plan at N.J.A.C. 7:50-6.27 will also be included when identifying threatened and endangered plant species.

Project activities are not anticipated to cause any temporary or permanent significant adverse impacts and will therefore comply with the conditions set forth for a regulated activity in a documented habitat for threatened or endangered species.

## **2.6 Channels**

The project activities will not modify/alter any of the various channels located within the JCP&L service area. The activities are limited to the clearing of vegetation within the ROW, repair/replacement of existing structures, access road maintenance, and modifications to existing substations within the existing substation fence line. Vegetation removed within the ROW will be that which poses a hazard to the operation and maintenance, and repair of the existing electrical infrastructure and access roadways. Therefore, no significant adverse impacts are anticipated.

## **2.7 Riparian Zones**

It is not anticipated that the project activities will cause any significant adverse impacts to riparian zones. Additionally, proposed activities comply with the conditions set forth for a regulated activity in a riparian zone.

## **2.8 Fishery Resources**

The project activities are located throughout the JCP&L service area and may take place near a regulated water containing fishery resources. If a project element is determined to take place in the vicinity of a regulated water containing fishery resources, appropriate BMPs will be implemented along with consultation of the NJDEP Table of Restricted Time Periods for Waters with Fishery Resources located at N.J.A.C. 7:7A-5.7.

It is not anticipated that the project activities will cause any temporary or permanent adverse impacts and, therefore, the activities comply with the conditions set forth for a regulated activity in or along a water with fishery resources.

## **2.9 Regulated Waters**

The JCP&L service area is very extensive and, therefore, the proposed regulated activities are anticipated to pass through areas identified as regulated waters. The project activities are not anticipated to cause any temporary or permanent significant adverse impacts to regulated waters.

### **3.0 PROJECT COMPLIANCE WITH CONDITIONS FOR FRESHWATER WETLANDS GENERAL PERMIT NO. 1**

The proposed activities requested with this application for a renewal of these authorizations have been designed to comply with the requirements of General Permit No. 1 of the Freshwater Wetlands Protection Act Rules. The following information describes how the proposed activities comply with the environmental and design constraints of General Permit No. 1 and the standard conditions for all General Permits.

#### **3.1 Project Compliance with the Standard Conditions for all Freshwater Wetlands General Permits (N.J.A.C. 7:7A-5.7)**

Based upon review of Standard Conditions for all General Permits listed in N.J.A.C. 7:7A-5.7, the proposed JCP&L vegetative and structural maintenance activities comply with these conditions as follows:

**7:7A-5.7(b)1 Activities performed under a general permit-by-certification or general permit shall be associated with a proposed project. The Department shall not authorize activities under a general permit-by-certification or general permit for the purpose of eliminating a natural resource in order to avoid regulation. For the purpose of this subsection, project shall mean the use and configuration of all buildings, pavements, roadways, storage areas and structures, and all associated activities;**

The activities included in this application that are anticipated to occur within wetlands and/or wetlands transition areas are as follows: vegetative maintenance along ROWs and critical facilities; structural maintenance and replacement activities; reconductoring overhead power lines; access road maintenance activities; emergency equipment replacements and repairs; and replacements and additions inside existing electrical substations. It is not the intention of the Applicant to eliminate a natural resource in order to avoid regulation.

**7:7A-5.7(b)2 The regulated activity shall not occur in the proximity of a public water supply intake;**

The regulated activities are not anticipated to interfere with public water supply intakes.

**7:7A-5.7(b)3 The activities shall not destroy, jeopardize, or adversely modify a present or documented habitat for threatened or endangered species; and shall not jeopardize the continued existence of any local population of a threatened or endangered species;**

The Natural Heritage Database and NJDEP Landscape Project (Version 3.3) Mapping has records of threatened or endangered species within the JCP&L service area. Through the use of timing restrictions and coordination, JCP&L continues to work closely with the NJDEP Division of Land Use Regulation and US Fish and Wildlife Service to avoid impacts to threatened and endangered species and their habitat. It is anticipated that, through this continued agency coordination, the project activities will not jeopardize any threatened or endangered species and the proposed activities will not destroy, jeopardize, or adversely modify the historic or documented habitat of such species. When there is the potential that the vegetative maintenance activities will conflict with sensitive species, either: (1) site specific surveys will be conducted and proposed work activities will be scheduled, when possible, so as to reduce potential impacts to these species; or (2) in the cases of emergency activities, the appropriate agency will be notified of the need to commence work. An electronic submission of data was sent to the NJDEP Natural Heritage Program and included the location of JCP&L's transmission lines. The response from the NJDEP Natural Heritage Program is provided as Attachment H.

**7:7A-5.7(b)4 The activities will not occur in a component of either the Federal or State Wild and Scenic River System; nor in a river officially designated by Congress or the State Legislature as a “study river” for possible inclusion in either system while the river is in an official study status; except that the activity may occur in these waters if approved by the National Park Service in accordance with 40 CFR 233;**

The project area includes portions of central and northern New Jersey and two designated Wild and Scenic Rivers, including the Musconetcong River and the Delaware River. Activities within existing ROWs adjacent to Wild and Scenic River Corridors are not anticipated to have direct and adverse impacts on the quality or scenic value of the river. Maintenance activities will be confined to the defined, existing utility ROW, with no disturbances outside of these existing ROWs. The goal within the ROWs is to maintain a stable vegetation community comprised of species compatible with the utilities within the ROW and the surrounding environs. Target vegetation along the ROWs is a native, woody scrub/shrub, low growing community. As such, the water quality and aesthetic attributes of the areas will be maintained, and the project activities will be consistent with this rule.

**7:7A-5.7(b)5 The activities shall not adversely effect properties which are listed or are eligible for listing on the New Jersey or National Register of Historic Places unless the applicant demonstrates to the Department that the proposed activity avoids or minimizes impacts to the maximum extent practicable or the Department determines that any impact to the affected property would not impact the property's ability to continue to meet the criteria for listing at N.J.A.C. 7:4-2.3 or otherwise negatively impact the integrity of the property or the characteristics of the property that led to the determination of listing**

**or eligibility. The Department shall not issue a conditional permit if it finds that the mitigation proposed is inadequate to compensate for the adverse effect. Any permit for an activity which may adversely affect a property listed or eligible for listing on the New Jersey or National Register of Historic Places shall contain conditions to ensure that any impact to the property is minimized to the maximum extent practicable and any unavoidable impact is mitigated.**

The maintenance activities along existing ROWs and within existing substations have been conducted for many years. Continued maintenance of these ROWs and substations is not anticipated to adversely impact their listing on the National or New Jersey Registers of Historic Places or those properties eligible for listing. As such, the project activities will be consistent with this rule.

**7:7A-5.7(b)6 Any discharge of dredged or fill material shall consist of clean, suitable material free from toxic pollutants (see 40 CFR 401) in toxic amounts, and shall comply with all applicable Department rules regarding use of dredged or fill material;**

Limited fill activities may be required for the maintenance activities associated with the access roadways along the ROWs. Only clean fill will be used for the access roadway maintenance activities. Filling activities are not anticipated for the remaining activities proposed for the project activities. However, should fill be necessary to provide safe access for maintenance and/or repair purposes, it will be comprised of clean fill and will be removed upon completion of the activity.

**7:7A-5.7(b)7 Any structure or fill authorized shall be maintained as specified in the construction plans.**

Activities proposed to take place along the ROWs and access roadways will continue to maintain the ROWs as specified in the original construction design. The proposed activities will not deviate from the design of original activity, except that minor deviations due to changes in materials or construction techniques and which are necessary to make repairs and replacements. The proposed activities will not result in the disturbance of additional freshwater wetlands or State open waters.

**7:7A-5.7(b)8 The activities will not result in a violation of the Flood Hazard Area Control Act, N.J.S.A. 58:16A-50, or implementing rules at N.J.A.C. 7:13;**

As discussed in Section 6.0 of this Environmental Report and Compliance Statement, the project activities will not result in a violation of the Flood Hazard Area Control Act or its implementing rules.

**7:7A-5.7(b)9 If activities under the general permit meet the definition of “major development” at N.J.A.C. 7:8-1.2, then the project of which the activities are a part shall comply in its entirety with the Stormwater Management Rules at N.J.A.C. 7:8.**

The proposed activities do not meet the definition of “major development” at N.J.A.C. 7:8-1.2. However, all applicable activities will comply with the “*Standards for Soil Erosion and Sediment Control in New Jersey*”.

**7:7A-5.7(b)10 If activities under the general permit-by-certification or general permit involve excavation or dredging, the applicant shall use an acceptable disposal site for the excavated or dredged material. No material shall be deposited or dewatered in freshwater wetlands, transition areas, State open waters or other environmentally sensitive areas. The Department may require testing of dredged material if there is reason to suspect that the material is contaminated. If any dredged material is contaminated with toxic substances, the dredged material shall be removed and disposed of in accordance with Department-approved procedures;**

Minimal excavation is anticipated to be associated with the proposed activities. Utility pole replacement, if necessary, may involve the use of an auger to excavate holes for the poles. No materials will be deposited or dewatered within freshwater wetlands, transition areas, State open waters or other environmentally sensitive areas. Spoils associated with installation of the poles will be used to backfill around the pole, distributed in upland locations within the ROW, or removed from the site and disposed of in an appropriate manner.

**7:7A-5.7(b)11 The amount of rip rap or other energy dissipating material shall not exceed the minimum necessary to prevent erosion, as calculated under the Standards for Soil Erosion and Sediment Control in New Jersey at N.J.A.C. 2:90.**

The proposed activities will not involve the use of rip rap or other energy dissipating material in wetlands or wetland transition areas.

**7:7A-5.7(b)12 Best management practices, shall be followed whenever applicable.**

BMPs will be followed wherever applicable. In addition, JCP&L has prepared a set of BMPs, located in Attachment I, titled JCP&L Practices for Maintenance Work in Water Resource Areas.

**7:7A-5.7(b)13 If the general permit activities are subject to the Department’s Water Quality Management Planning rules at N.J.A.C. 7:15, the activities shall be consistent with those rules and with the applicable**



**approved Water Quality Management Plan (208 Plan) adopted under the New Jersey Water Quality Planning Act, N.J.S.A. 58:11A-1 et seq.**

The proposed activities are not subject to the State's Water Quality Management Planning Act.

**7:7A-5.7(b)14 The timing requirements at (c) below shall be met.**

The fishery resources timing restrictions generally relate to activities that have the potential to generate sediment. The proposed activities, vegetative and structural maintenance, typically would not generate sediment. Ground disturbances are incidental, limited to areas associated with the existing facilities and minimized by the use of best management practices. In the event a particular maintenance activity has the potential to generate sediment, it will not be conducted during the time periods listed in Table 5.7 in N.J.A.C. 7:7A-5.7(c).

Table 1 <sup>1</sup>	
RESTRICTED TIME PERIODS FOR WATERS WITH FISHERY RESOURCES	
Water and Classification	Time period (inclusive) during which activities are prohibited
Trout Waters	
All trout production waters except rainbow trout	September 15 through March 15
Rainbow trout production waters	February 1 through April 30
Trout stocked waters	March 15 through June 15
Trout maintenance waters	
All regulated waters located within 1 mile upstream of a trout stocked or a trout maintenance water	
Non-Trout Waters	
Regulated waters that support general game fish located north of Interstate 195	May 1 through July 31
Regulated waters that support general game fish located north of Interstate 195	May 1 through June 30
Regulated waters that support pickerel	Ice out through April 30
Regulated waters that support walleye	March 1 through May 30
Anadromous Waters	
All unimpeded tidal regulated waters open to the Atlantic Ocean or any coastal bay	April 1 through June 30
All regulated waters identified as anadromous migratory pathways	
Delaware River upstream of U.S. Route 1	April 1 through June 30 and September 1 through November 30
Delaware River between U.S. Route 1 and Interstate 295 (Delaware Memorial Bridge)	March 1 through June 30 and September 1 through November 30
Tidal portions of Raccoon Creek, Rancocas Creek, Crosswicks Creek, and Cooper River	
All unimpeded tidal regulated waters open to the Delaware River downstream of Interstate 295 (Delaware Memorial Bridge)	March 1 through June 30 and October 1 through November 30
Tidal portions of the Maurice River, Cohansey River, and Salem River	
<sup>1</sup> Note that the Delaware River Basin Commission (DRBC) imposes additional timing restrictions on certain activities in waters under DRBC jurisdiction. Contact the U.S. Fish and Wildlife Service's River Basin Coordinator through the DRBC at (609) 883-9500 for information on these additional timing restrictions	

**7:7A-5.7(b)15 Activities authorized under a general permit-by-certification or general permit shall not take place in a vernal habitat, or in a transition area adjacent to a vernal habitat, with the exception of activities associated with general permits 1, 6, 6A, and 16, which shall be reviewed on a case-by-case basis in accordance with N.J.A.C. 7:7A-5.3(e).**

Vernal habitat will be avoided if possible, and when it may be necessary to work in the vicinity of this resource, activities will be restricted to those periods when vernal pond breeding reptiles and amphibians are not active (i.e., during the summer months when ponds are dry). Measures to avoid secondary impacts include implementation of JCP&L's BMPs and conformance to the local soil erosion and sediment control district regulations.

**3.2 Project Compliance with the Standard Conditions for Freshwater Wetlands General Permit No. 1 (N.J.A.C. 7:7A-7.1) Maintenance and repair of existing features**

**7:7A-7.1(a) General permit 1 authorizes activities in freshwater wetlands and State open waters required to carry out the repair, rehabilitation, replacement, maintenance, or reconstruction of a previously authorized, currently serviceable structure, fill, roadway, utility line, active irrigation or drainage ditch, or stormwater management facility lawfully existing prior to July 1, 1988, or permitted under this chapter, provided all applicable requirements of N.J.A.C. 7:7A-5.7 and 20.3 are met and:**

- 1. The previously authorized structure, fill, roadway, utility, ditch, or facility has not been and will not be put to any use other than as specified in any permit authorizing its original construction; and**
- 2. The activities do not expand, widen, or deepen the previously authorized feature, and do not deviate from any plans of original activity, except that minor deviations due to changes in materials or construction techniques and which are necessary to make repairs, rehabilitation, or replacements are allowed, provided such changes do not result in disturbance of additional freshwater wetlands or State open waters upon completion of the activity.**

All JCP&L ROWs and structures lawfully existed prior to July 1, 1988 or were permitted under the Freshwater Wetlands Rules and Regulations. The power line ROWs and utility structures will continue to be used as an electrical transmission and distribution system, and the access roadways will continue to provide access along the ROWs. In order to maintain reliability of the system, some modifications (i.e., add another line to the structure, replace insulators, replace cross arms, reconductor lines or replace structures, and maintain access roadways) may be necessary.

#### **4.0 PROJECT COMPLIANCE WITH CONDITIONS FOR COASTAL GENERAL PERMIT NO. 19**

The project activities have been designed to comply with the requirements of Coastal General Permit No. 19 of the Coastal Zone Management Rules. The following information describes how the proposed activities comply with the environmental and design constraints of Coastal General Permit No. 19 for modification of existing electrical substations.

Occasionally, the equipment within an existing substation must be maintained, replaced, or upgraded in order for JCP&L to meet the electrical demand of customers, which is increasing in much of the JCP&L service territory. Equipment upgrades may include adding new devices within the existing substation. Equipment upgrades do not involve the enlargement or expansion of the existing substations. In such instances, all maintenance and upgrade activities are confined to the previously disturbed/gravel areas within the existing fence line. The substation footprint remains the same size and shape, and no new impervious surface is proposed.

##### **4.1 Project Compliance with Standard Conditions for General Permit 19 (N.J.A.C. 7:7-6.19)**

##### **7:7-6.19(a)1 The activities occur within the cleared, maintained portions of the site within the existing fenced area.**

The proposed activities will occur within the existing fenced area of the JCP&L electrical substations. The activities will serve to maintain, replace or upgrade the existing electrical substations and will be confined to the previously disturbed/gravel areas within the fence line. The proposed activities will be completed within cleared, maintained portions of the existing electrical substations within the fenced area. The project activities comply with this condition.

##### **7:7-6.19(a)2 The activities shall not have an adverse impact on Special Areas as defined at N.J.A.C. 7:7-9.**

The proposed activities are not anticipated to cause adverse impacts to Special Areas as defined at N.J.A.C. 7:7-9. The activities will serve to maintain, replace or upgrade the existing electrical substations and will be confined to the previously disturbed/gravel areas within the fence line. The proposed activities will be completed within the existing JCP&L electrical substation fence line. A compliance statement addressing Special Areas as well as other relevant rules is provided in Section 5.0.

## **5.0 PROJECT COMPLIANCE WITH SPECIAL AREA CONDITIONS OF THE COASTAL ZONE MANAGEMENT RULES**

In order to guide development and resource management within the State's coastal area, substantive policies have been identified and promulgated by the NJDEP as the "Coastal Zone Management" rules (CZM rules) at N.J.A.C. 7:7. Pursuant to these rules, an Applicant must demonstrate compliance in order to receive General Permit 19 and Coastal Wetlands Permit.

Within the CZM rules, decisions on the use of coastal resources are made using a three-step process utilizing Location Policies (Subchapters 9 through 14), Use Policies (Subchapter 15) and the Resource Policies (Subchapter 16) of the CZM rules. Depending upon the proposed use, project design, location and surrounding region, different specific policies in each of the three steps may be applicable in the coastal decision-making process. The CZM rules address a wide range of land and water types (locations), present and potential land and water uses, and natural, cultural, social and economic resources in the coastal zone. The NJDEP does not, however, expect each proposed use of coastal resources to address all Location Policies, Use Policies, and Resource Policies. Rather, the applicable policies are expected to vary from proposal to proposal.

The CZM rules determined to be applicable to the substation modification activities proposed in this Multi-Permit Application are listed in Table 2 below. A compliance statement is provided for each of the identified rules.

<b>Table 2</b>	
<b>APPLICABLE COASTAL ZONE MANAGEMENT RULES</b>	
N.J.A.C. 7:7-9.12	Submerged Infrastructure Routes
N.J.A.C. 7:7-9.20	Barrier Island Corridor
N.J.A.C. 7:7-9.25	Flood Hazard Areas
N.J.A.C. 7:7-9.26	Riparian Zones
N.J.A.C. 7:7-9.27	Wetlands
N.J.A.C. 7:7-9.28	Wetlands Buffers
N.J.A.C. 7:7-9.30	Intermittent Stream Corridors
N.J.A.C. 7:7-9.32	Steep Slopes
N.J.A.C. 7:7-9.34	Historic and Archaeological Resources
N.J.A.C. 7:7-9.35	Specimen Trees
N.J.A.C. 7:7-9.36	Endangered or Threatened Wildlife or Plant Species Habitats
N.J.A.C. 7:7-9.37	Critical Wildlife Habitats
N.J.A.C. 7:7-9.42	Pinelands National Reserve and Pinelands Protection Area
N.J.A.C. 7:7-9.44	Wild and Scenic River Corridors
N.J.A.C. 7:7-12.16	Overhead Transmission Wires
N.J.A.C. 7:7-14.1	Rule on Location of Linear Development
N.J.A.C. 7:7-14.2	Basic Location Rule
N.J.A.C. 7:7-15.4	Energy Facility Use Rule
N.J.A.C. 7:7-16.7	Vegetation

## **5.1 Project Compliance with Special Area Conditions (N.J.A.C. 7:7-9)**

### **7:7-9.12(a) Submerged infrastructure route is the corridor in which a pipe or cable runs on or below a submerged land surface.**

The project activities included in this application do not include submerged infrastructure.

### **7:7-9.12(b) Any activity that would increase the likelihood of infrastructure damage or breakage, or interfere with maintenance operations is prohibited.**

The project activities included in this application include vegetative maintenance along ROWs and emergency equipment replacements and repairs. The intent of these activities is to protect JCP&L's large capital investment in the infrastructure and to continue the safe functioning of the infrastructure. The project activities comply with this rule.

### **7:7-9.20(b) New or expanded development within the oceanfront barrier island corridor is conditionally acceptable provided that the development complies with the requirements for impervious cover and vegetative cover that apply to the site under N.J.A.C. 7:7-9.13.**

No new or expanded development is proposed with this Multi-Permit Application. All maintenance and upgrade activities are confined to the previously disturbed within existing ROWs and substation fence lines. The ROW and substation footprints will remain the same size and shape, and no new impervious surface is proposed. This rule does not apply to the proposed activities.

### **7:7-9.25(a) Flood hazard areas are areas subject to flooding from the flood hazard area design flood, as defined by the Department under the Flood Hazard Area Control Act rules at N.J.A.C. 7:13. Flood hazard areas include those areas mapped as such by the Department, areas defined or delineated as an A or a V zone by FEMA, and any unmapped areas subject to flooding by the flood hazard area design flood. Flood hazard areas are subject to either tidal or fluvial flooding and the extent of flood hazard areas shall be determined or calculated in accordance with the procedures at N.J.A.C. 7:13-3.**

Compliance statements for the Flood Hazard Area Control Act rules are addressed in Section 6.0 of this Environmental Report and Compliance Statement. No new energy facilities are being sited; rather, the project activities are limited to: vegetative maintenance along ROWs and critical facilities; structural maintenance and replacement activities; reconductoring overhead power lines; access road maintenance activities; emergency equipment replacements and repairs; and replacements and additions inside existing electrical substations. Some of the existing JCP&L substations may be located wholly or partially within flood hazard areas. The proposed modifications to existing

substations will have no adverse impact on the Flood Hazard Area. The project activities comply with this rule.

**7:7-9.26(a)      A riparian zone is the land and vegetation within and adjacent to a regulated water. A riparian zone exists along both sides of every regulated water and includes the regulated water itself, except as provided in (b) below. The extent of a riparian zone is determined in accordance with (c), (d), and (e) below.**

Some of the existing JCP&L ROWs and substations may be located wholly or partially within riparian zones. It is not anticipated that the project activities will cause any significant adverse impacts to riparian zones. No new energy facilities are being sited; rather, the proposed activities are limited to: vegetative maintenance along ROWs and critical facilities; structural maintenance and replacement activities; reconductoring overhead power lines; access road maintenance activities; emergency equipment replacements and repairs; and replacements and additions inside existing electrical substations. Compliance statements for the Flood Hazard Area Control Act rules are addressed in Section 6.0 of this Environmental Report and Compliance Statement. The proposed activities comply with this rule.

**7:7-9.27(a)      Wetlands or wetland means an area that is inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions, commonly known as hydrophytic vegetation.**

This Multi-Permit Application includes a request for NJDEP approval of a Freshwater Wetlands General Permit No. 1 pursuant to N.J.A.C. 7:7A. NJDEP Freshwater Wetlands General Permits are issued for activities which typically have minor wetland impacts. The proposed activities will have no significant adverse impact on wetland resources. The proposed activities will have no impact on the natural tidal circulation of tidal wetlands or natural hydrology of freshwater wetlands or result in changes to the natural contour of wetlands. Accordingly, the proposed activities are acceptable and will comply with the New Jersey Freshwater Wetlands Protection Act Rules.

**7:7-9.28(a)      Wetlands buffer or transition area means an area of land adjacent to a wetland which minimizes adverse impacts on the wetlands or serves as an integral component of the wetlands ecosystem.**

This Multi-Permit Application includes a request for NJDEP approval of a Freshwater Wetlands General Permit No. 1 pursuant to N.J.A.C. 7:7A. NJDEP Freshwater Wetlands General Permits are issued for activities which typically have minor wetland impacts. The proposed activities will have no significant adverse impact on wetland resources. The proposed activities will have no impact on the natural tidal circulation of tidal wetlands or natural hydrology of freshwater wetlands or result in changes to the natural



contour of wetlands. Accordingly, the proposed activities are acceptable and will comply with the New Jersey Freshwater Wetlands Protection Act Rules.

**7:7-9.30(a) Intermittent stream corridors are areas including and surrounding surface water drainage channels in which there is not a permanent flow of water and which contain an area or areas with a seasonal high water table equal to or less than one foot. The inland extent of these corridors is either the inland limit of soils with a seasonal high water table depth equal to, or less than one foot, or a disturbance of 25 feet measured from the top of the channel banks, whichever is greater.**

The proposed activities will not result in cutting, filling, damming and creation of detention basins for runoff recharge, new paving or the placement of new structures that would directly degrade the function of intermittent streams. The project activities comply with this rule.

**7:7-9.32(a) Steep slopes are land areas with slopes greater than 15 percent, which are not adjacent to the shoreline and therefore not coastal bluffs (see N.J.A.C. 7:7-9.29). Steep slopes include natural swales and ravines, as well as man-made areas, such as those created through mining for sand, gravel, or fill, or road grading. Slopes of less than 15 percent are not considered to be steep slopes.**

No new development is proposed in areas with steep slopes within the existing ROWs or substations. The project activities involve: vegetative maintenance along ROWs and critical facilities; structural maintenance and replacement activities; reconductoring overhead power lines; access road maintenance activities; emergency equipment replacements and repairs; and replacements and additions inside existing electrical substations. Therefore, the proposed activities comply with this rule.

**7:7-9.34(a) Historic and archaeological resources include objects, structures, shipwrecks, buildings, neighborhoods, districts, and man-made or man-modified features of the landscape and seascape, including historic and prehistoric archaeological sites, which either are on or are eligible for inclusion on the New Jersey or National Register of Historic Places.**

The project activities do not include new development of facilities. The existing ROWs and substation areas have already been disturbed. It is not anticipated that the proposed activities will impact any historic or archaeological resources. Therefore, the project activities comply with this rule.

**7:7-9.35(a) Specimen trees are the largest known individual trees of each species in New Jersey. The Department's Division of Parks and Forestry maintains a list of these trees (see "New Jersey's Biggest**

**Trees," published by the Department's Division of Parks and Forestry, Summer 1991 for a listing of specimen trees). In addition, large trees approaching the diameter of the known largest tree shall be considered specimen trees. Individual trees with a circumference equal to or greater than 85 percent of the circumference of the record tree, as measured 4.5 feet above the ground surface, for a particular species shall be considered a specimen tree.**

No specimen trees are located within the existing ROWs or substations. Therefore, the project activities comply with this rule.

**7:7-9.36(a) Endangered or threatened wildlife or plant species habitats are terrestrial and aquatic (marine, estuarine, or freshwater) areas known to be inhabited on a seasonal or permanent basis by or to be critical at any stage in the life cycle of any wildlife or plant identified as "endangered" or "threatened" species on official Federal or State lists of endangered or threatened species, or under active consideration for State or Federal listing. The definition of endangered or threatened wildlife or plant species habitats includes a sufficient buffer area to ensure continued survival of the population of the species as well as areas that serve an essential role as corridors for movement of endangered or threatened wildlife. Absence of such a buffer area does not preclude an area from being endangered or threatened wildlife or plant species habitat.**

The subject JCP&L service area is very extensive and it may be possible that some of the existing ROWs and substations are located proximate to areas identified on the NJDEP Landscape Project (Version 3.3) mapping as containing habitat for threatened and endangered species. Through the use of timing restrictions and coordination, JCP&L continues to work closely with the NJDEP Division of Land Use Regulation and the US Fish and Wildlife Service to avoid impacts to threatened and endangered species and their habitat. The proposed activities, however, are limited to: vegetative maintenance along ROWs and critical facilities; structural maintenance and replacement activities; reconductoring overhead power lines; access road maintenance activities; emergency equipment replacements and repairs; and replacements and additions inside existing electrical substations. As the proposed activities will not disturb endangered or threatened wildlife or plant species habitat, the project activities comply with this rule.

**7:7-9.37(a) Critical wildlife habitats are specific areas known to serve an essential role in maintaining wildlife, particularly in wintering, breeding and migrating.**

The proposed activities will have no direct or secondary adverse impacts on critical wildlife habitats as defined at N.J.A.C. 7:7-9.37. The project activities comply with this rule.

- 7:7-9.42(a)**      **The Pinelands National Reserve includes those lands and water areas defined in the National Parks and Recreation Act of 1978, Section 502 (P.L. 95-625), an approximately 1,000,000 acre area ranging from Monmouth County in the north, south to Cape May County and from Gloucester and Camden County on the west to the barrier islands of Island Beach State Park and Brigantine Island along the Atlantic Ocean on the east (see Appendix, Figure 10, incorporated herein by reference). The "Pinelands Area" is a slightly smaller area within the Pinelands National Reserve. It was designated for State regulation by the Pinelands Protection Act of 1979 (N.J.S.A. 13:18-1 et seq.). The Pinelands Commission adopted a Comprehensive Management Plan in November, 1980. Within the Pinelands Area, the law delineates a Preservation Area, where the plan shall "preserve an extensive and contiguous area of land in its natural state, thereby insuring the continuation of a Pinelands environment...." (Section 8c).**

The proposed activities involve: vegetative maintenance along ROWs and critical facilities; structural maintenance and replacement activities; reconductoring overhead power lines; access road maintenance activities; emergency equipment replacements and repairs; and replacements and additions inside existing electrical substations. The project activities will not involve new development nor impacts to surface waters designated "Pinelands Waters". The proposed activity complies with this rule.

- 7:7-9.44(a)**      **Wild and scenic river corridors are all rivers designated into the National Wild and Scenic Rivers System and any rivers or segments thereof being studied for possible designation into that system pursuant to the National Wild and Scenic Rivers Act (16 U.S.C. §§ 1271-1278). For rivers designated into the national system, the wild and scenic river corridor shall include the river and adjacent areas located within one-quarter mile from the mean high water line on each side of the river until a Federal River Management Plan has been adopted, after which time the wild and scenic corridor shall be the area defined in the adopted plan. For rivers under study for possible designation into the national system, the wild and scenic river corridor shall include the river and adjacent areas extending one-quarter mile from the mean high water line on each side of the river.**

The project area includes portions of central and northern New Jersey and two Wild and Scenic Rivers, including the Musconetcong River and the Delaware River. The proposed activities, if adjacent to Wild and Scenic River Corridor, will not have direct and adverse impacts on the "outstanding remarkable resource value" for which the river was designated. Activities will be confined within the existing ROWs and substation fence lines. Therefore, the proposed activities will comply with this rule.

## **6.0 PROJECT COMPLIANCE WITH CONDITIONS FOR FLOOD HAZARD AREA INDIVIDUAL PERMIT**

The proposed activities have been designed to comply with the Individual Permit Requirements for Various Regulated Activities pursuant to N.J.A.C. 7:13 Subchapter 11. The Applicant is requesting authorization to conduct necessary vegetative maintenance as well as utility infrastructure maintenance, repair, and replacement activities within the flood hazard area of various watercourses within the service area of JCP&L. No new infrastructure is proposed to be constructed as part of the project activities. Certain proposed maintenance activities may require an individual permit, including vegetation management (e.g. tree removal) and structural replacement activities not covered by a permit-by-rule, roadway maintenance, and the application of herbicides within riparian zones. Pursuant to N.J.A.C. 7:13-10.1(b), each regulated activity has been evaluated according to its location, nature, and potential impacts. The design and construction standards addressed below have been determined to apply to the JCP&L project.

### **6.1 Project Compliance with Requirements for a Utility Line (N.J.A.C. 7:13-12.8)**

**7:13-12.8(g) The Department shall issue an individual permit that allows, over the five-year term of the permit, the necessary and periodic maintenance, repair, or replacement of any section of a lawfully existing above or below ground utility line in a regulated area only if the following requirements are satisfied:**

- 7:13-12.8(g)1 The applicant submits an application for an individual permit, which in addition to the normal application requirements, includes the following:**
- i. The exact location of the utility line network that is the subject of the application, identified on USGS quad maps; and**
  - ii. A detailed description of the types of maintenance, repair, and/or replacement activities that can be expected to occur during the duration of the individual permit, such as construction details of typical, anticipated activities and associated construction sequences;**

In order to significantly reduce the burden to both JCP&L and the NJDEP, JCP&L has elected to apply for the Flood Hazard Area Individual Permit (as well as the other permits included in this Multi-Permit Application) for their entire service territory. As indicated previously, the territory includes 235 municipalities in 13 counties. JCP&L maintains approximately 14,000 miles of transmission and distribution lines within this territory. In accordance with Department of Homeland Security regulations for critical infrastructure protection and the NERC security standards, JCP&L is not authorized to publish the exact location of their transmission lines and substations. For compliance with this rule, JCP&L has provided Transmission System Maps and a JCP&L Substation Map (for the coastal region) herewith as Attachment D. The details of the proposed maintenance, repair, and replacement activities have been described within Section 1.3 of

this application. Typical activity photographs and infrastructure details are provided in Attachment E.

**7:13-12.8(g)2      The applicant agrees to provide public notice pursuant to N.J.A.C. 7:13-19 at least five working days before performing any repair or replacement;**

Landowner notification for transmission and distribution vegetative maintenance is conducted in accordance with various state and federal standards, including regulations promulgated by the New Jersey BPU. JCP&L's policy is to make every reasonable effort to give homeowners at least one week notice before any vegetative maintenance work takes place. JCP&L has accomplished this by having its tree contractors go door to door prior to the activity. If contact is not made with the homeowner, a card (hang tag) explaining the work schedule is left at the residence (see Attachment L) with a telephone number to call with any questions. If contact is not made with a homeowner, in addition to the hang tag, a letter providing the same notice is sent via certified mail/return receipt. In addition, JCP&L notifies the municipalities at least five working days before the proposed activities take place. With respect to storm or other emergency events, notification is not possible prior to the activity.

**7:13-12.8(g)3      The applicant agrees to replant all disturbed areas in the riparian zone with native, noninvasive plant species after each repair or replacement;**

The areas proposed for vegetative maintenance have been subject to periodic maintenance in many instances for decades. Vegetation in these areas has adapted to these disturbances. After the vegetative maintenance activities are completed, there will be sufficient propagules (e.g., stumps, roots) remaining to allow re-establishment of vegetation. In addition, the application of herbicide will selectively remove incompatible trees. The remaining compatible vegetation will provide vegetative cover.

**7:13-12.8(g)4      The applicant agrees to restore all disturbed areas in the flood hazard area to preconstruction topography after each repair or replacement; and**

The proposed activities are not anticipated to alter the existing topography. If the pre-activity topography is altered during the proposed activities, JCP&L will restore all disturbed areas in the flood hazard area to pre-construction topography after completing any maintenance, repair or replacement activities.

**7:13-12.8(g)5      If requested, the applicant agrees to submit a report to the Department which includes the following:**  
**i. A description of each repair or replacement that occurred during the previous calendar year;**

- ii. Color photographs of each regulated area before and after each repair or replacement; and**
- iii. The fee for each repair or replacement, as provided at N.J.A.C. 7:13-20.**

The activities for which this permit is sought are not discrete events but rather conducted on a regular basis at numerous locations along several thousand miles of ROW throughout the year. A description of the activities has been provided within this document. The photographs included within this application (Attachment E) are representative of the activities anticipated to take place throughout the duration of the permit. The activities included within this application are considered one regulated activity (i.e., the maintenance, repair and replacement of existing utility infrastructure and ROWs). The fee for the regulated activity proposed within the application is classified as “any other activity” as provided in the fee structure at N.J.A.C. 7:13-20. If requested, in January of each year for the duration of the Multi-Permit, JCP&L agrees to re-submit the description of activities and typical photographs that have been included within this application along with the fee for “any other activity” as provided in the fee schedule at N.J.A.C. 7:13-20.

## **ATTACHMENT G**

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### **Bog Turtle and Swamp Pink Certifications**

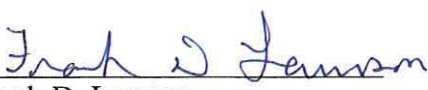




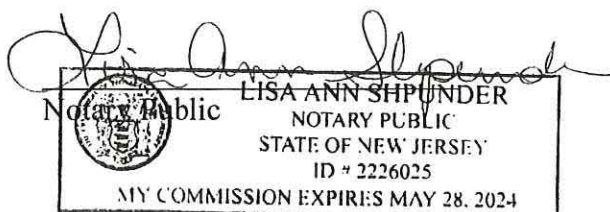
### Swamp Pink Statement of Compliance

Annette G. Kavanagh, of full age, being duly sworn according to Law, on her oath deposes and says that she is employed by First Energy at 101 Crawfords Corner Road, Building Road in Holmdel Township, Monmouth County, and State of New Jersey, and that the maintenance activities of Jersey Central Power & Light, FirstEnergy Corp. electric overhead transmission and distribution rights-of-way (ROW) network will not result in any direct or indirect adverse impacts to Swamp Pink, or its documented habitats in the municipalities listed in the New Jersey Department of Environmental Protection, Division of Land Use Regulation, Freshwater Wetlands, Attachment C - KNOWN LOCATIONS OF SWAMP PINK IN NEW JERSEY (as of October 2008):

COUNTIES	MUNICIPALITIES	
Burlington County	Pemberton Township	Woodland Township
	Southampton Township	
Mercer County	West Windsor Township	
Middlesex County	East Brunswick Township	Sayreville Borough
Monmouth County	Brielle Borough	Manalapan Township
	Colts Neck Township	Millstone Township
	Freehold Township	Wall Township
	Howell Township	
Morris County	Mount Olive Township	Roxbury Township
	Randolph Township	
Ocean County	Barnegat Township	Lacey Township
	Brick Township	Lakewood Township
	Dover Township	Manchester Township
	Jackson Township	Plumsted Township

  
Frank D. Lawson

Sworn to and subscribed before me Lisa Ann Shpunder this 25 day of November 2019



### Bog Turtle Statement of Compliance

Annette G. Kavanagh, of full age, being duly sworn according to Law, on her oath deposes and says that she is employed by First Energy at 101 Crawfords Corner Road, Building Road in Holmdel Township, Monmouth County, and State of New Jersey, and that the maintenance activities of Jersey Central Power & Light, FirstEnergy Corp. electric overhead transmission and distribution rights-of-way (ROW) network will not result in any direct or indirect adverse impacts to Bog Turtles, or its documented habitats in the municipalities listed in the New Jersey Department of Environmental Protection, Division of Land Use Regulation, Freshwater Wetlands, Attachment D – KNOWN LOCATIONS OF BOG TURTLES IN NEW JERSEY (as of October 2008):

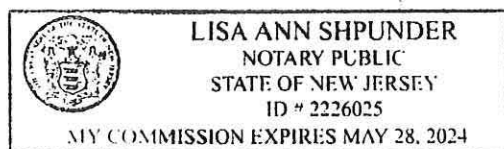
COUNTIES	MUNICIPALITIES	
Burlington County	Chesterfield Township New Hanover Township	North Hanover Township Springfield Township
Hunterdon County	Alexandria Township Bethlehem Township Clinton Township Franklin Township Glen Gardner Township	Lebanon Township Readington Township Tewksbury Township Union Township
Middlesex County	Sayreville Borough	
Monmouth County	Freehold Township Howell Township Long Branch City Manalapan Township	Millstone Township Roosevelt Borough Upper Freehold Township Wall Township
Morris County	Boonton Township Chatham Township Chester Township Chester Borough Denville Township Dover Township Florham Park Borough Hanover Township Harding Township Jefferson Township Long Hill Township	Mine Hill Township Morris Township Mount Olive Township Parsippany Troy Hills Township Randolph Township Rockaway Township Roxbury Township Washington Township Wharton Borough
Ocean County	Berkeley Township Brick Township Lakehurst Borough	Manchester Township Plumsted Township
Passaic County	Wayne Township	West Milford Township
Somerset County	Bedminster Township Bernards Township Far Hills Borough	Peapack-Gladstone Township Warren Township Watchung Township

Sussex County	Andover Township	Hardyston Township
	Byram Township	Lafayette Township
	Frankford Township	Montague Township
	Franklin Boro	Ogdensburg Borough
	Franklin Township	Sandyston Township
	Fredon Township	Sparta Township
	Green Township	Stillwater Township
	Hamburg Borough	Vernon Township
	Hamburg Township	Walpack Township
	Hampton Township	Wantage Township
Union County	Berkeley Heights Township	Mountainside Borough
Warren County	Allamuchy Township	Independence Township
	Franklin Township	Liberty Township
	Frelinghuysen Township	Oxford Township
	Hardwick Township	Washington Township
	Harmony Township	White Township
	Hope Township	

Frank D. Lawson  
Frank D. Lawson

Sworn to and subscribed before me Lisa Ann Shpunder this 25 day of November 2019

Lisa Ann Shpunder  
Notary Public





## **ATTACHMENT H**

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### **Natural Heritage Program Response**







**State of New Jersey**

MAIL CODE 501-04

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF PARKS & FORESTRY

NEW JERSEY FOREST SERVICE

OFFICE OF NATURAL LANDS MANAGEMENT

P.O. BOX 420

TRENTON, NJ 08625-0420

Tel. (609) 984-1339 Fax (609) 984-0427

PHILIP D. MURPHY

*Governor*

SHEILA Y. OLIVER

*Lt. Governor*

CATHERINE R. McCABE

*Commissioner*

October 15, 2019

Jennifer Gorini  
Paulus, Sokolowski and Sartor, LLC  
67B Mountain Boulevard Extension  
Warren, NJ 07059

Re: JCP&L Vegetative and Structural Maintenance  
Hunterdon, Mercer, Middlesex, Monmouth, Morris and Ocean Counties  
Various Locations Throughout

Dear Ms. Gorini:

Thank you for your data request regarding rare species information for the above referenced project site.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.3) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Natural Heritage Data Request Form into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

We have also checked the Landscape Project habitat mapping and Biotics Database for occurrences of rare wildlife species or wildlife habitat in the immediate vicinity (within ¼ mile) of the referenced site. Additionally, the Natural Heritage Database was checked for occurrences of rare plant species or ecological communities within ¼ mile of the site. Please refer to Table 2 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented within the immediate vicinity of the site. Detailed reports are provided for all categories coded as 'Yes' in Table 2. These reports may include species that have also been documented on the project site.

The Natural Heritage Program reviews its data periodically to identify priority sites for natural diversity in the State. Included as priority sites are some of the State's best habitats for rare and endangered species and ecological communities. Please refer to Tables 1 and 2 (attached) to determine if any priority sites are located on or in the immediate vicinity of the site.

A list of rare plant species and ecological communities that have been documented from the county (or counties), referenced above, can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.html>. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from [http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes\\_2010.pdf](http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2010.pdf).

Beginning May 9, 2017, the Natural Heritage Program reports for wildlife species will utilize data from Landscape Project Version 3.3. If you have questions concerning the wildlife records or wildlife species mentioned in this response, we

NHP File No. 19-4007421-17745

recommend that you visit the interactive web application at the following URL,  
<https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=0e6a44098c524ed99bf739953cb4d4c7>, or contact the  
Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292-9400.

For additional information regarding any Federally listed plant or animal species, please contact the U.S. Fish &  
Wildlife Service, New Jersey Field Office at <http://www.fws.gov/northeast/njfieldoffice/endangered/consultation.html>.

PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from  
<http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf>.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this  
data request. Feel free to contact us again regarding any future data requests.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert J. Cartica', with a long horizontal flourish extending to the right.

Robert J. Cartica  
Administrator

c: NHP File No. 19-4007421-17745

NHP File No. 19-4007421-17745

***Table 1: On Site Data Request Search Results (6 Possible Reports)***

<b><u>Report Name</u></b>	<b><u>Included</u></b>	<b><u>Number of Pages</u></b>
1. Possibly on Project Site Based on Search of Natural Heritage Database: Rare Plant Species and Ecological Communities Currently Recorded in the New Jersey Natural Heritage Database	Yes	6 page(s) included
2. Natural Heritage Priority Sites On Site	Yes	See emailed attachments
3. Rare Wildlife Species or Wildlife Habitat on the Project Site Based on Search of Landscape Project 3.3 Species Based Patches	Yes	6 page(s) included
4. Vernal Pool Habitat on the Project Site Based on Search of Landscape Project 3.3	Yes	2 page(s) included
5. Rare Wildlife Species or Wildlife Habitat on the Project Site Based on Search of Landscape Project 3.3 Stream Habitat File	No	0 pages included
6. Other Animal Species On the Project Site Based on Additional Species Tracked by Endangered and Nongame Species Program	Yes	1 page(s) included

**Possibly on Project Site Based on Search of  
Natural Heritage Database: Rare Plant Species and  
Ecological Communities Currently Recorded in the  
New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Vascular Plants</i>									
Agastache nepetoides	Yellow Giant-hyssop			HL	G5	S2	Y	2017-10-12	Located 1.3 miles northeast of Bear Tavern, 1.8 miles northwest of Hart's Corner, and 0.8 miles southeast of Acker's Corner, Hopewell Township, Mercer County.
Aristida virgata	Wand-like Three-awn Grass			HL	G5T4T5	S2	Y	2001	Along the powerline right-of-way, west of the Garden State Parkway near the headwaters of the Middle Branch of the Forked River.
Calamagrostis pickeringii	Pickering's Reed Grass		E	LP, HL	G5	S1	Y	1988-07-07	SOUTH OF SHARK RIVER RD., EAST OF CENTRAL RR. AND CA. 0.5 MILE NE OF EARLE (=SHARK RIVER STATION).
Carex siccata	Hillside Sedge		E	LP, HL	G5	S1	Y	2008-09-15	1916: Horton (K.K. Mackenzie). 2008-09-15: Under power line on south side of the Lamington River. SW of the old Horton RR Station and 1.2 mi SW of Bryant Pond, Ironia (D. Snyder).

**Possibly on Project Site Based on Search of  
Natural Heritage Database: Rare Plant Species and  
Ecological Communities Currently Recorded in the  
New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
Cynoglossum virginianum var. virginianum	Wild Comfrey			HL	G5T5	S2	Y	2015-08-07	Gravel Hill, east of Amsterdam, Holland Township, Hunterdon County. Multiple locations both within and near the Gravel Hill Natural Lands Trust Preserve. Includes locations on west side of a powerline right of way between two stream tributaries to the Delaware River, approximately 600 yards southeast of the summit of Gravel Hill. Other locations are found further to the west and also to the east of the right of way - at approximately 250 yards southwest of the summit, 700 yards south-southwest of the summit, 850 yards south-southeast of the summit and 1000 yards south-southeast of the summit of Gravel Hill.
Eupatorium resinosum	Pine Barren Boneset		E	LP, HL	G3	S2	Y	2015-07-23	Located 2.6 miles west-northwest of Crystal Lake, 2.5 miles east-southeast of Dover Forge, 1.8 miles southeast of intersection of County Route 618 and County Route 530 (this intersection's crossroads are also named Dover Road and Pinewald Keswick Road), 0.3 mile south of County Route 618 (also named Pinewald Keswick Road) and powerline right-of-way, in Double Trouble State Park, Berkeley Township, Ocean County.

**Possibly on Project Site Based on Search of  
Natural Heritage Database: Rare Plant Species and  
Ecological Communities Currently Recorded in the  
New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Gentiana autumnalis</i>	Pine Barren Gentian			LP, HL	G3	S3	Y	2017-09-21	The NJ Conservation Foundation's Candace McKee Ashmun Preserve at Forked River Mountain, managed as part of the Forked River Mountain Wildlife Management Area (WMA). Along the powerline right-of-way and Robbin's Cabin Trail, west of the Garden State Parkway near the headwaters of the Middle Branch of the Forked River. Located in Lacey Township, Ocean County.
<i>Juncus caesariensis</i>	New Jersey Rush		E	LP, HL	G2G3	S2	Y	2015-07-23	Located 2.6 miles west-northwest of Crystal Lake, 2.5 miles east-southeast of Dover Forge, 1.8 miles southeast of intersection of County Route 618 and County Route 530 (this intersection's crossroads are also named Dover Road and Pinewald Keswick Road), 0.3 mile south of County Route 618 (also named Pinewald Keswick Road) and powerline right-of-way, in Double Trouble State Park, Berkeley Township, Ocean County.
<i>Juncus caesariensis</i>	New Jersey Rush		E	LP, HL	G2G3	S2	Y	2006-08-14	Various locations along the Middle Branch of the Forked River, most just west of the Garden State Parkway.
<i>Juncus caesariensis</i>	New Jersey Rush		E	LP, HL	G2G3	S2	Y	1988-10-06	CA, 0.5 MI. NE OF EARLE.
<i>Linum virginianum</i>	Woodland Flax			HL	G4G5	S3	Y	2015-08-12	Baldpate Mountain, Hopewell Township, Mercer County. South side of powerline right-of-way, approximately 575 yards west-northwest from the parking lot along the right-of-way and approximately 950 yards directly southeast from the intersection of Barry Road with Pleasant Valley Road.

**Possibly on Project Site Based on Search of  
Natural Heritage Database: Rare Plant Species and  
Ecological Communities Currently Recorded in the  
New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Strank	Identified	Last Observed	Location
<i>Lupinus perennis</i> var. <i>perennis</i>	Sundial Lupine			HL	G5T5?	S3	Y	1994-06-25	OLD RAILROAD RIGHT-OF-WAY, BLACK RIVER WILDLIFE MANAGEMENT AREA, APPROXIMATELY ONE MILE WEST OF IRONIA.
<i>Muhlenbergia torreyana</i>	Pine Barren Smoke Grass			LP, HL	G3	S3	Y	2017-09-21	The NJ Conservation Foundation's Candace McKee Ashmun Preserve at Forked River Mountain, managed as part of the Forked River Mountain Wildlife Management Area (WMA). North of the Middle Branch of the Forked River, west of the Garden State Parkway. Located in Lacey Township, Ocean County.
<i>Nymphoides cordata</i>	Floatingheart			LP, HL	G5	S3	Y	2006-08-14	Large gravel pit west of the Garden State Parkway near the headwaters of the Middle Branch of the Forked River.
<i>Obolaria virginica</i>	Virginia Pennywort			HL	G5	S2	Y	2017-04-22	Baldpate Mountain, Hopewell Township, Mercer County. Located approximately 0.4 mile west along the right-of-way from the parking lot off Pleasant Valley Road. Scattered locations from the southern edge of the right-of-way to approximately 200 feet to the south from the edge of the right-of-way. Additional populations found near the trail, ca. 0.3 and 0.5 mile west-southwest from the south end of the Pleasant Valley Road parking lot.
<i>Platanthera cristata</i>	Crested Yellow Orchid			LP, HL	G5	S3	Y	1999	Along the power line right-of-way between the Middle and South Branches of the Forked River, west of the Garden State Parkway.



**Possibly on Project Site Based on Search of  
Natural Heritage Database: Rare Plant Species and  
Ecological Communities Currently Recorded in the  
New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	1999-09-30	Along the power line clearing, just north of the South Branch of the Forked River, east of the Garden State Parkway.
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	1994-10-01	Off Route 33/34, northeast of Farmingdale, take Route 547 to Shark River Road.
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	2006-08-14	Near the Middle Branch of the Forked River along the powerline right-of-way, just west of the Garden State Parkway.
<i>Rhynchospora pallida</i>	Pale Beaked-rush			HL	G3	S3	Y	1988-07-07	SOUTH OF SHARK RIVER ROAD, EAST OF CENTRAL RR AND CA. 0.5 MI. NE OF EARLE (=SHARK RIVER STATION).
<i>Sagittaria teres</i>	Slender Arrowhead		E	LP, HL	G3	S2	Y	2006-08-14	Gravel pits along the powerline right-of-way west of the Garden State Parkway, near the Middle Branch of the Forked River.
<i>Schizaea pusilla</i>	Curly Grass Fern			LP, HL	G3G4	S3	Y	2008-06-26	Wetlands associated with the Middle Branch of the Forked River, west of the Garden State Parkway.
<i>Spiranthes tuberosa</i>	Little Ladies'-tresses			LP, HL	G5	S3	Y	2006-08-14	Powerline right-of-way just west of the Garden State Parkway, approximately 2 miles west - southwest of Forked River.
<i>Utricularia purpurea</i>	Purple Bladderwort			LP, HL	G5	S3	Y	2000	Forked River Mountain Wildlife Management Area; west side of the Garden State Parkway, southwest of Toms River.
<i>Utricularia resupinata</i>	Reversed Bladderwort		E	LP, HL	G4	S2	Y	2006-08-14	Forked River Mountain Wildlife Management Area; west side of the Garden State Parkway, southwest of Toms River.

**Possibly on Project Site Based on Search of  
Natural Heritage Database: Rare Plant Species and  
Ecological Communities Currently Recorded in the  
New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
Viola rostrata	Long-spur Violet			HL	G5	S3	Y	2018-05-16	Baldpate Mountain, Hopewell Township, Mercer County. From parking area off Pleasant Valley Road follow utility right-of-way west for approximately 0.35 mile. Located ca. 75 feet south from southern edge of ROW.

Total number of records: 26

***Terrestrial Community - Other Classification***

Pinus rigida / Quercus (marilandica, ilicifolia) / Pyxidanthra barbulata Woodland	New Jersey Pitch Pine / Scrub Oak Barren			HL	G2	S2	Y	2002-10-15	Two main patches are located south of Jakes Branch, north of Pinewald-Keswick Grove Road, east of JCPL powerline, and west of the Garden State Parkway. Patches are located 0.5 to 2.3 miles north of the Double Trouble State Park entrance, partly within Jakes Branch County Park in Beachwood Boro, and partly within Double Trouble State Park and private lands in Berkeley Twp.
Pinus rigida-(p. echinata)- quercus spp./quercus (marilandica, ilicifolia) woodland	Pine-oak-shrub Oak Woodland (Pow)				G3	S3	Y	2003-01-25	Twelve scattered patches located south of Jakes Branch, mostly north of Pinewald-Keswick Grove Road, mostly east of the JCPL powerline, and west of the Garden State Parkway.

Total number of records: 2

**Rare Wildlife Species or Wildlife Habitat on the  
Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Amphibia</i>								
	Pine Barrens Treefrog	Hyla andersonii	Breeding Sighting	3	NA	State Threatened	G4	S2
	Pine Barrens Treefrog	Hyla andersonii	Occupied Habitat	3	NA	State Threatened	G4	S2
	Pine Barrens Treefrog	Hyla andersonii	Vernal Pool Breeding	3	NA	State Threatened	G4	S2
<i>Aves</i>								
	American Kestrel	Falco sparverius	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B,S2N
	Bald Eagle	Haliaeetus leucocephalus	Nest	4	NA	State Endangered	G5	S1B,S2N
	Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Barred Owl	Strix varia	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Black-billed Cuckoo	Coccyzus erythrophthalmus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Black-crowned Night-heron	Nycticorax nycticorax	Foraging	3	NA	State Threatened	G5	S2B,S3N
	Black-throated Blue Warbler	Dendroica caerulescens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N

**Rare Wildlife Species or Wildlife Habitat on the  
Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
	Black-throated Green Warbler	Dendroica virens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Bobolink	Dolichonyx oryzivorus	Breeding Sighting	3	NA	State Threatened	G5	S2B,S3N
	Broad-winged Hawk	Buteo platypterus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Brown Thrasher	Toxostoma rufum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Common Tern	Sterna hirundo	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Cooper's Hawk	Accipiter cooperii	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Cooper's Hawk	Accipiter cooperii	Nest	2	NA	Special Concern	G5	S3B,S4N
	Eastern Meadowlark	Sturnella magna	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N
	Glossy Ibis	Plegadis falcinellus	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Golden-winged Warbler	Vermivora chrysoptera	Non-breeding Sighting	2	NA	Special Concern	G4	S1B,S3N
	Grasshopper Sparrow	Ammodramus savannarum	Breeding Sighting	3	NA	State Threatened	G5	S2B,S3N
	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Great Blue Heron	Ardea herodias	Nesting Colony	2	NA	Special Concern	G5	S3B,S4N

**Rare Wildlife Species or Wildlife Habitat on the  
Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Strank
	Hooded Warbler	Wilsonia citrina	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Kentucky Warbler	Oporornis formosus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N
	Little Blue Heron	Egretta caerulea	Foraging	2	NA	Special Concern	G5	S3B,S3N
	Northern Parula	Parula americana	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Osprey	Pandion haliaetus	Foraging	3	NA	State Threatened	G5	S2B,S4N
	Osprey	Pandion haliaetus	Nest	3	NA	State Threatened	G5	S2B,S4N
	Red-headed Woodpecker	Melanerpes erythrocephalus	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Red-headed Woodpecker	Melanerpes erythrocephalus	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Red-shouldered Hawk	Buteo lineatus	Breeding Sighting	4	NA	State Endangered	G5	S1B,S3N
	Red-shouldered Hawk	Buteo lineatus	Non-breeding Sighting	2	NA	Special Concern	G5	S1B,S3N
	Savannah Sparrow	Passerculus sandwichensis	Breeding Sighting	3	NA	State Threatened	G5	S2B,S4N
	Sharp-shinned Hawk	Accipiter striatus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N
	Snowy Egret	Egretta thula	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Tricolored Heron	Egretta tricolor	Foraging	2	NA	Special Concern	G5	S3B,S3N

**Rare Wildlife Species or Wildlife Habitat on the  
Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Insecta</i>	Veery	Catharus fuscescens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Whip-poor-will	Caprimulgus vociferus	Breeding Sighting	2	NA	Special Concern	G5	S3B,SUN
	Wood Thrush	Hylocichla mustelina	Breeding Sighting	2	NA	Special Concern	G4	S3B,S4N
	Worm-eating Warbler	Helmitheros vermivorum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Yellow-breasted Chat	Icteria virens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Yellow-crowned Night-heron	Nyctanassa violacea	Foraging	3	NA	State Threatened	G5	S2B,S2N
<i>Insecta</i>	Arogos Skipper	Atrytone arogos arogos	Breeding/Courtship	4	NA	State Endangered	G3T1T2	S1
	Arogos Skipper	Atrytone arogos arogos	Nectaring	4	NA	State Endangered	G3T1T2	S1
	Banner Clubtail	Gomphus apomyius	Breeding/Courtship	3	NA	State Threatened	G3G4	S2
	Dotted Skipper	Hesperia attalus slossonae	Casual Flyby	2	NA	Special Concern	G3G4T3	S3
	Georgia Satyr	Neonympha helicta	Casual Flyby	2	NA	Special Concern	G3G4	S3
	Golden-winged Skimmer	Libellula auripennis	Occupied Habitat	2	NA	Special Concern	G5	S3

**Rare Wildlife Species or Wildlife Habitat on the  
Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
	Maine Snaketail	Ophiogomphus mainensis	Occupied Habitat	2	NA	Special Concern	G4G5	S3
	Maine Snaketail	Ophiogomphus mainensis	Territorial Display	2	NA	Special Concern	G4G5	S3
	Pine Barrens Bluet	Enallagma recurvatum	Breeding/Courtship	2	NA	Special Concern	G3	S3
	Scarlet Bluet	Enallagma pictum	Occupied Habitat	2	NA	Special Concern	G3	S3
	Tiger Spiketail	Cordulegaster erronea	Breeding/Courtship	2	NA	Special Concern	G4	S3
	Tiger Spiketail	Cordulegaster erronea	Territorial Display	2	NA	Special Concern	G4	S3
<i>Mammalia</i>								
	Bobcat	Lynx rufus	Capture Location	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Live Individual Sighting	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	On Road	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Physical evidence	4	NA	State Endangered	G5	S2
	Indiana Bat	Myotis sodalis	Active Season Sighting	5	Federally Listed Endangered	State Endangered	G2	S1
	Indiana Bat	Myotis sodalis	Maternity Colony	5	Federally Listed Endangered	State Endangered	G2	S1



**Rare Wildlife Species or Wildlife Habitat on the  
Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Reptilia</i>	Northern Myotis	Myotis septentrionalis	Active Season Sighting	5	Federally Listed Threatened	NA	G1G2	S1
	Northern Myotis	Myotis septentrionalis	Hibernaculum	5	Federally Listed Threatened	NA	G1G2	S1
	Bog Turtle	Glyptemys muhlenbergii	Occupied Habitat	5	Federally Listed Threatened	State Endangered	G3	S1
	Corn Snake	Pantherophis guttatus	Occupied Habitat	4	NA	State Endangered	G5	S1
	Eastern Box Turtle	Terrapene carolina carolina	Occupied Habitat	2	NA	Special Concern	G5T5	S3
	Northern Copperhead	Agkistrodon contortrix mokasen	Occupied Habitat	2	NA	Special Concern	G5T5	S3
	Northern Pine Snake	Pituophis melanoleucus melanoleucus	Occupied Habitat	3	NA	State Threatened	G4T4	S2
	Spotted Turtle	Clemmys guttata	Occupied Habitat	2	NA	Special Concern	G5	S3
	Timber Rattlesnake	Crotalus horridus horridus	Occupied Habitat	4	NA	State Endangered	G4T4	S1
	Wood Turtle	Glyptemys insculpta	Occupied Habitat	3	NA	State Threatened	G3	S2

<p align="center"><b>Vernal Pool Habitat on the Project Site Based on Search of Landscape Project 3.3</b></p>
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<b>Vernal Pool Habitat Type</b>	<b>Vernal Pool Habitat ID</b>
Vernal habitat area	2824
Vernal habitat area	2838
Vernal habitat area	2839
Vernal habitat area	2852
Vernal habitat area	2898
Vernal habitat area	2907
Vernal habitat area	2908
Vernal habitat area	2910
Vernal habitat area	2913
Vernal habitat area	2964
Vernal habitat area	2968
Vernal habitat area	2969
Potential vernal habitat area	1206
Potential vernal habitat area	1450
Potential vernal habitat area	1471
Potential vernal habitat area	1494
Potential vernal habitat area	1541
Potential vernal habitat area	1545

**Vernal Pool Habitat on the  
Project Site Based on Search of  
Landscape Project 3.3**

<b>Vernal Pool Habitat Type</b>	<b>Vernal Pool Habitat ID</b>
Potential vernal habitat area	1672
Potential vernal habitat area	1712
Potential vernal habitat area	1757
Potential vernal habitat area	1781
Potential vernal habitat area	1966
Total number of records:	23

**Other Animal Species  
On the Project Site Based on  
Additional Species Tracked by  
Endangered and Nongame Species Program**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Srank
<i>Invertebrate Animals</i>					
Apamea apamiformis	A Noctuid Moth			G4	S2S4
Chytonix sensilis	A Noctuid Moth			G4	S1S3
Cicindela marginipennis	Cobblestone Tiger Beetle			G2	S1
Grammia placentia	Placentia Tiger Moth			G3G4	S1S3
Metarranthis pilosaria	Coastal Bog Metarranthis			G3G4	S3S4
Total number of records: 5					

***Table 2: Vicinity Data Request Search Results (6 possible reports)***

<b><u>Report Name</u></b>	<b><u>Included</u></b>	<b><u>Number of Pages</u></b>
1. Immediate Vicinity of the Project Site Based on Search of Natural Heritage Database: Rare Plant Species and Ecological Communities Currently Recorded in the New Jersey Natural Heritage Database	Yes	12 page(s) included
2. Natural Heritage Priority Sites within the Immediate Vicinity	Yes	See emailed attachments
3. Rare Wildlife Species or Wildlife Habitat Within the Immediate Vicinity of the Project Site Based on Search of Landscape Project 3.3 Species Based Patches	Yes	7 page(s) included
4. Vernal Pool Habitat In the Immediate Vicinity of Project Site Based on Search of Landscape Project 3.3	Yes	4 page(s) included
5. Rare Wildlife Species or Wildlife Habitat In the Immediate Vicinity of the Project Site Based on Search of Landscape Project 3.3 Stream Habitat File	Yes	1 page(s) included
6. Other Animal Species In the Immediate Vicinity of the Project Site Based on Additional Species Tracked by Endangered and Nongame Species Program	Yes	1 page(s) included

**Immediate Vicinity of the Project Site  
Based on Search of Natural Heritage Database  
Rare Plant Species and Ecological Communities Currently Recorded in  
the New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Strank	Identified	Last Observed	Location
<b><i>Vascular Plants</i></b>									
<i>Agastache nepetoides</i>	Yellow Giant-hyssop			HL	G5	S2	Y	2017-10-12	Located 1.3 miles northeast of Bear Tavern, 1.8 miles northwest of Hart's Corner, and 0.8 miles southeast of Acker's Corner, Hopewell Township, Mercer County.
<i>Arethusa bulbosa</i>	Dragon Mouth			HL	G5	S2	Y	2016-05-27	Forked River Mountain Wildlife Mangement Area (WMA). Along three tributaries to the Middle Branch of the Forked River, west of the Garden State Parkway. Located in Lacey Township, Ocean County.
<i>Aristida virgata</i>	Wand-like Three-awn Grass			HL	G5T4T5	S2	Y	2001	Along the powerline right-of-way, west of the Garden State Parkway near the headwaters of the Middle Branch of the Forked River.
<i>Aristolochia serpentaria</i>	Virginia Snakeroot			HL	G4	S3	Y	2015-08-07	Gravel Hill Natural Lands Trust Preserve (Block 22, Lot 61), approximately 2 1/2 miles west-northwest of Milford in Holland Township, Hunterdon County. Approximately equidistant between two utility rights-of-way, at approximately 500 yards north-northeast of intersection of the eastern utility right-of-way with Route 627 (Riegelsville - Milford Road).
<i>Calamagrostis pickeringii</i>	Pickering's Reed Grass		E	LP, HL	G5	S1	Y	1988-07-07	SOUTH OF SHARK RIVER RD., EAST OF CENTRAL RR. AND CA. 0.5 MILE NE OF EARLE (=SHARK RIVER STATION).
<i>Cardamine pratensis</i> var. <i>palustris</i>	Meadow Cuckoo-flower			HL	G5T5	S3	Y	198?-05-??	WEST SIDE OF ABANDONED RAILROAD, CA. 1.5 MI. SOUTH OF RIGHTER ROAD, IRONIA.

**Immediate Vicinity of the Project Site  
Based on Search of Natural Heritage Database  
Rare Plant Species and Ecological Communities Currently Recorded in  
the New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Carex jamesii</i>	James' Sedge		E	LP, HL	G5	S1	Y	2013-04-24	1924-05-31: Brookside, foot of Goat Hill, near Delaware River (B. Long). 2008-05-05: At base of Goat Hill, along a minor unnamed tributary to the Delaware River, immediately north of Rt 29. 0.16 mi NW of the jct of Rt 29 and Valley Rd.
<i>Carex polymorpha</i>	Variable Sedge		E	LP, HL	G3	S1	Y	1916-05-30	IRONIA.
<i>Carex polymorpha</i>	Variable Sedge		E	LP, HL	G3	S1	Y	1922-05-21	0.5 MI. N. OF SHARK RIVER STATION. [ALONG] RR RIGHT OF WAY.
<i>Carex siccata</i>	Hillside Sedge		E	LP, HL	G5	S1	Y	2008-09-15	1916: Horton (K.K. Mackenzie). 2008-09-15: Under power line on south side of the Lamington River. SW of the old Horton RR Station and 1.2 mi SW of Bryant Pond. Ironia (D. Snyder).
<i>Carex willdenowii</i> var. <i>willdenowii</i>	Willdenow's Sedge			HL	G5T5	S2	Y	2010-05-11	2010-06-11: 275 meters east of intersection of State Route 29 and Valley Road, in Hopewell Township, Mercer County.
<i>Carex willdenowii</i> var. <i>willdenowii</i>	Willdenow's Sedge			HL	G5T5	S2	Y	1935-06-28	Mt. Canoe, 1 mile south of Harborton.
<i>Carex willdenowii</i> var. <i>willdenowii</i>	Willdenow's Sedge			HL	G5T5	S2	Y	2018-07-05	Ca. 1200 yards east-northeast of intersection of Rt. 627 (Riegelsville Road) and Crabapple Hill Road. Located 1.5 miles northeast of Holland, 1.5 miles southwest of Spring Hill, and 1.2 miles southeast of Amsterdam, Holland Township, Hunterdon County.
<i>Clematis occidentalis</i> var. <i>occidentalis</i>	Purple Clematis			HL	G5T5	S2	Y	2016-05-19	Sweet Hollow Preserve, Alexandria Township, Hunterdon County. Approximately 3,500 feet northeast of the intersection of Sweet Hollow and Myer Roads.



**Immediate Vicinity of the Project Site  
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Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Cynoglossum virginianum</i> var. <i>virginianum</i>	Wild Comfrey			HL	G5T5	S2	Y	2015-08-07	Gravel Hill, east of Amsterdam, Holland Township, Hunterdon County. Multiple locations both within and near the Gravel Hill Natural Lands Trust Preserve. Includes locations on west side of a powerline right of way between two stream tributaries to the Delaware River, approximately 600 yards southeast of the summit of Gravel Hill. Other locations are found further to the west and also to the east of the right of way - at approximately 250 yards southwest of the summit, 700 yards south-southwest of the summit, 850 yards south-southeast of the summit and 1000 yards south-southeast of the summit of Gravel Hill.
<i>Cynoglossum virginianum</i> var. <i>virginianum</i>	Wild Comfrey			HL	G5T5	S2	Y	2018-10-14	Located at Baldpate Mountain, starting southeast of the quarry located at the west of the property and extending northeast toward Ackor's Corner, extending beyond the utility right-of-way, Hopewell Township, Mercer County.
<i>Cynoglossum virginianum</i> var. <i>virginianum</i>	Wild Comfrey			HL	G5T5	S2	Y	2016-05-19	1.6 miles due north of the crossroads of Little York, on north side of Sweet Hollow Road midway between Myler Road and County Route 579, in Alexandria Township, Hunterdon County.
<i>Dicentra canadensis</i>	Squirrel-corn		E	LP, HL	G5	S1	Y	2013-04-30	2 miles south of Lambertville at base of Goat Hill.
<i>Dicentra canadensis</i>	Squirrel-corn		E	LP, HL	G5	S1	Y	1922-04-29	North of Moore.
<i>Doellingeria infirma</i>	Cornel-leaf Aster			HL	G5	S2	Y	1935-07-05	Along Black Brook, southeast of Charlestown, Hunterdon County.

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<i>Doellingeria infirma</i>	Cornel-leaf Aster			HL	G5	S2	Y	1935-06-28	Musconetcong Mountain, along Black Brook, northeast of Charlestown, Hunterdon County.
<i>Equisetum sylvaticum</i>	Woodland Horsetail			HL	G5	S3	Y	2011-06-08	0.45 miles East of where the Lamington River crosses Pleasant Hill Road in Chester Township, Morris County.
<i>Eupatorium resinosum</i>	Pine Barren Boneset		E	LP, HL	G3	S2	Y	2001	Along the northern tributary of the Middle Branch of the Forked River, west of the Garden State Parkway.
<i>Eupatorium resinosum</i>	Pine Barren Boneset		E	LP, HL	G3	S2	Y	2015-07-23	Located 2.6 miles west-northwest of Crystal Lake, 2.5 miles east-southeast of Dover Forge, 1.8 miles southeast of intersection of County Route 618 and County Route 530 (this intersection's crossroads are also named Dover Road and Pinewald Keswick Road), 0.3 mile south of County Route 618 (also named Pinewald Keswick Road) and powerline right-of-way, in Double Trouble State Park, Berkeley Township, Ocean County.
<i>Gentiana autumnalis</i>	Pine Barren Gentian			LP, HL	G3	S3	Y	2017-09-21	The NJ Conservation Foundation's Candace McKee Ashmun Preserve at Forked River Mountain, managed as part of the Forked River Mountain Wildlife Management Area (WMA). Along the powerline right-of-way and Robbin's Cabin Trail, west of the Garden State Parkway near the headwaters of the Middle Branch of the Forked River. Located in Lacey Township, Ocean County.

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Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Juncus caesariensis</i>	New Jersey Rush		E	LP, HL	G2G3	S2	Y	2015-07-23	Located 2.6 miles west-northwest of Crystal Lake, 2.5 miles east-southeast of Dover Forge, 1.8 miles southeast of intersection of County Route 618 and County Route 530 (this intersection's crossroads are also named Dover Road and Pinewald Keswick Road), 0.3 mile south of County Route 618 (also named Pinewald Keswick Road) and powerline right-of-way, in Double Trouble State Park, Berkeley Township, Ocean County.
<i>Juncus caesariensis</i>	New Jersey Rush		E	LP, HL	G2G3	S2	Y	1988-10-06	CA. 0.5 MI. NE OF EARLE.
<i>Juncus caesariensis</i>	New Jersey Rush		E	LP, HL	G2G3	S2	Y	1922-09-??	OYSTER CREEK ALONG TUCKERTON RR, NW [OF] WARETOWN.
<i>Juncus caesariensis</i>	New Jersey Rush		E	LP, HL	G2G3	S2	Y	2006-08-14	Various locations along the Middle Branch of the Forked River, most just west of the Garden State Parkway.
<i>Linum virginianum</i>	Woodland Flax			HL	G4G5	S3	Y	2015-08-12	Baldpate Mountain, Hopewell Township, Mercer County. South side of powerline right-of-way, approximately 575 yards west-northwest from the parking lot along the right-of-way and approximately 950 yards directly southeast from the intersection of Barry Road with Pleasant Valley Road.
<i>Lobelia canbyi</i>	Canby's Lobelia			LP, HL	G4	S3	Y	2017-09-21	The NJ Conservation Foundation's Candace McKee Ashmun Preserve at Forked River Mountain, managed as part of the Forked River Mountain Wildlife Management Area (WMA). Between the two northern tributaries of the Middle Branch of the Forked River, west of the Garden State Parkway. Located in Lacey Township, Ocean County.

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<i>Lupinus perennis</i> var. <i>perennis</i>	Sundial Lupine			HL	G5T5?	S3	Y	1994-06-25	OLD RAILROAD RIGHT-OF-WAY, BLACK RIVER WILDLIFE MANAGEMENT AREA, APPROXIMATELY ONE MILE WEST OF IRONIA.
<i>Muhlenbergia torreyana</i>	Pine Barren Smoke Grass			LP, HL	G3	S3	Y	2017-09-21	The NJ Conservation Foundation's Candace McKee Ashmun Preserve at Forked River Mountain, managed as part of the Forked River Mountain Wildlife Management Area (WMA). North of the Middle Branch of the Forked River, west of the Garden State Parkway. Located in Lacey Township, Ocean County.
<i>Narhecium americanum</i>	Bog Asphodel		E	LP, HL	G2	S2	Y	2010-07-30	1995: Ca. 0.1 mile east of Garden State Parkway between Middle Branch and South Branch of Forked River, ca. 2 miles southwest of the intersection of Rt. 9 and Lacey Rd. 2010: Middle Branch of Forked River, from Rt. 9 in the East to 1.3 km west of the Garden State Parkway.
<i>Narhecium americanum</i>	Bog Asphodel		E	LP, HL	G2	S2	Y	2010-07-30	2001: Along a feeder stream to the Middle Branch of the Forked River, west of the Garden State Parkway. 2010: Middle Branch of Forked River, from Rt. 9 in the East to 1.3 km west of the Garden State Parkway.
<i>Narhecium americanum</i>	Bog Asphodel		E	LP, HL	G2	S2	Y	2010-07-30	2001: Along the Middle Branch of the Forked River, west of the Garden State Parkway. 2010: Middle Branch of Forked River, from Rt. 9 in the East to 1.3 km west of the Garden State Parkway.
<i>Nymphoides cordata</i>	Floatingheart			LP, HL	G5	S3	Y	2006-08-14	Large gravel pit west of the Garden State Parkway near the headwaters of the Middle Branch of the Forked River.

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<i>Obolaria virginica</i>	Virginia Pennywort			HL	G5	S2	Y	2017-04-22	Baldpate Mountain, Hopewell Township, Mercer County. Located approximately 0.4 mile west along the right-of-way from the parking lot off Pleasant Valley Road. Scattered locations from the southern edge of the right-of-way to approximately 200 feet to the south from the edge of the right-of-way. Additional populations found near the trail, ca. 0.3 and 0.5 mile west-southwest from the south end of the Pleasant Valley Road parking lot.
<i>Obolaria virginica</i>	Virginia Pennywort			HL	G5	S2	Y	2017-04-26	NJ Natural Lands Trust Sweet Hollow Preserve, Alexandria Township, Hunterdon County. 1.5 miles north of village of Little York. 0.34 mile north of intersection of Sweet Hollow Road and Myler Rd. / Myer Rd.
<i>Obolaria virginica</i>	Virginia Pennywort			HL	G5	S2	Y	2016-06-02	Sweet Hollow Preserve, Alexandria Township, Hunterdon County. Multiple occurrences in the vicinity of the intersection of Sweet Hollow and Myer Roads.
<i>Platanthera cristata</i>	Crested Yellow Orchid			LP, HL	G5	S3	Y	1999	Along the power line right-of-way between the Middle and South Branches of the Forked River, west of the Garden State Parkway.
<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid			HL	G5	S2	Y	2011-06-08	0.45 miles East of where the Lamington River crosses Pleasant Hill Road in Chester Township, Morris County.
<i>Polygala mariana</i>	Maryland Milkwort			LP, HL	G5	S2	Y	1910-07-06	Near PRR 1.5 miles northwest of Allaire.

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Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Polygonum cilinode</i>	Fringed Black-bindweed			HL	G5	S3	Y	2011-05-02	2011: Located 1.1 miles northwest of Moore, 0.5 mile west of Belle Mountain, 250 meters southwest of intersection of State Route 29 and Valley Road, 60 meters from the Delaware River, in Hopewell Township, Mercer County.
<i>Prenanthes autumnalis</i>	Pine Barren Rattlesnake-root			LP, HL	G4G5	S2	Y	1983	Along wetland tributary to the Middle Branch of the Forked River, west of the Garden State Parkway.
<i>Pyrola chlorantha</i>	Greenish-flower Wintergreen		E	LP, HL	G5	S1	Y	1910-07-06	South of railroad 0.75 mile southeast of Farmingdale, 1 mile southeast of Farmingdale along railroad.
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	1999-09-30	Along the power line clearing, just north of the South Branch of the Forked River, east of the Garden State Parkway.
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	2006-08-14	Near the Middle Branch of the Forked River along the powerline right-of-way, just west of the Garden State Parkway.
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	1994-10-01	Off Route 33/34, northeast of Farmingdale, take Route 547 to Shark River Road.
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	2008-08-01	Along the South Branch of the Forked River on the west side of the Garden State Parkway; at R.O.W.
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	LT	E	LP, HL	G2	S2	Y	1999-09-24	Along sand trail within two hundred feet of the South Branch of the Forked River and east of the Garden State Parkway.
<i>Rhynchospora pallida</i>	Pale Beaked-rush			HL	G3	S3	Y	1988-07-07	SOUTH OF SHARK RIVER ROAD, EAST OF CENTRAL RR AND CA. 0.5 MI. NE OF EARLE (=SHARK RIVER STATION).
<i>Rhynchospora pallida</i>	Pale Beaked-rush			HL	G3	S3	Y	1910-07-06	Near PRR 1.5 miles northwest of Allaire.

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<i>Ribes missouriense</i>	Missouri Gooseberry		E	LP, HL	G5	S2	Y	2017-04-20	Located 1.3 miles northeast of Bear Tavern, 1.8 miles northwest of Hart's Corner, and 0.8 miles southeast of Acker's Corner, Hopewell Township, Mercer County.
<i>Sagittaria teres</i>	Slender Arrowhead		E	LP, HL	G3	S2	Y	2006-08-14	Gravel pits along the powerline right-of-way west of the Garden State Parkway, near the Middle Branch of the Forked River.
<i>Schizaea pusilla</i>	Curly Grass Fern			LP, HL	G3G4	S3	Y	1915-07-10	CEDAR SWAMP ALONG SOUTH BRANCH OF FORKED RIVER SW OF FORKED RIVER.
<i>Schizaea pusilla</i>	Curly Grass Fern			LP, HL	G3G4	S3	Y	2008-06-26	Wetlands associated with the Middle Branch of the Forked River, west of the Garden State Parkway.
<i>Schizaea pusilla</i>	Curly Grass Fern			LP, HL	G3G4	S3	Y	1907-07-25	LAKE INLET AT DOUBLE TROUBLE.
<i>Schizaea pusilla</i>	Curly Grass Fern			LP, HL	G3G4	S3	Y	1915-07-10	BY OYSTER CREEK NW ALONG TUCKERTON RR FROM WARETOWN.
<i>Utricularia purpurea</i>	Purple Bladderwort			LP, HL	G5	S3	Y	1998	Along sand trails east of the Garden State Parkway and south of the Middle Branch of the Forked River.
<i>Utricularia purpurea</i>	Purple Bladderwort			LP, HL	G5	S3	Y	2015-07-23	Located 2.5 miles west-northwest of Crystal Lake, 2.5 miles east-southeast of Dover Forge, 1.9 miles southeast of intersection of County Route 618 and County Route 530 (this intersection's crossroads are also named Dover Road and Pinewald Keswick Road), 0.4 mile south of County Route 618 (also named Pinewald Keswick Road) and powerline right-of-way, in Double Trouble State Park, Berkeley Township, Ocean County.



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<i>Utricularia purpurea</i>	Purple Bladderwort			LP, HL	G5	S3	Y	2000	Forked River Mountain Wildlife Management Area; west side of the Garden State Parkway, southwest of Toms River.
<i>Utricularia resupinata</i>	Reversed Bladderwort		E	LP, HL	G4	S2	Y	2006-08-14	Forked River Mountain Wildlife Management Area; west side of the Garden State Parkway, southwest of Toms River.
<i>Uvularia puberula</i> var. <i>nitida</i>	Pine Barren Bellwort		E	LP, HL	G5T3	S2	Y	1952-05-15	1 mile west of Allaire.
<i>Uvularia puberula</i> var. <i>nitida</i>	Pine Barren Bellwort		E	LP, HL	G5T3	S2	Y	2001	Along the tributaries to the Middle Branch of the Forked River, west of the Garden State Parkway.
<i>Uvularia puberula</i> var. <i>nitida</i>	Pine Barren Bellwort		E	LP, HL	G5T3	S2	Y	1922-05-21	1/2 MILE NORTH OF SHARK RIVER STATION.
<i>Uvularia puberula</i> var. <i>nitida</i>	Pine Barren Bellwort		E	LP, HL	G5T3	S2	Y	2016-05-18	Double Trouble State Park. Located 1.8 miles southwest of South Toms River, 1.6 miles southwest of where Garden State Parkway crosses over Dover Road (also named County Route 530), 1.4 miles northeast of intersection of Dover Road and Lacey Road, adjacent to a tributary of Jakes Branch, in Berkeley Township, Ocean County.
<i>Valerianella radiata</i>	Beaked Cornsalad		E	LP, HL	G5	S1	Y	2012-04-01	2012: Located 0.8 mile north of Squankum, 0.9 mile north of intersection of Interstate 195 and Squankum Road (also called County Route 524 and Lakewood Farmingdale Road), on east side of Squankum Road, along edges of unpaved road immediately south of the cemetery, in Howell Township, Monmouth County.

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<i>Viola brittoniana</i> var. <i>brittoniana</i>	Britton's Coast Violet			HL	G4GST 4T5	S3	Y	2012-04-19	Allaire State Park, Howell Township, Monmouth County. From the intersection of Lakewood Farmingdale Road and Hurley Pond Road in Howell Township, travel approximately 0.38 miles East along Hurley Pond Road. Occurrence is in the wooded wetlands approximately 0.11 miles due South of Hurley Pond Road.
<i>Viola hirsutula</i>	Southern Wood Violet			HL	G4	S2	Y	2015-08-07	Gravel Hill Natural Lands Trust Preserve (Block 22, Lot 61), approximately 2 1/2 miles west-northwest of Milford in Holland Township, Hunterdon County. Approximately equidistant between two utility rights-of-way, at approximately 500 yards north-northeast of intersection of the eastern utility right-of-way with Route 627 (Riegelsville - Milford Road).
<i>Viola rostrata</i>	Long-spur Violet			HL	G5	S3	Y	2018-05-16	Baldpate Mountain, Hopewell Township, Mercer County. From parking area off Pleasant Valley Road follow utility right-of-way west for approximately 0.35 mile. Located ca. 75 feet south from southern edge of ROW.

Total number of records: 71

***Nonvascular Plants***

<i>Sphagnum fuscum</i>	Sphagnum			HL	G5	S2	Y	1961-09-22	1961: Deer Head Lake, Forked River.
<i>Sphagnum portoricense</i>	Sphagnum			HL	G5	S2	Y	2001	Atlantic white cedar wetland along the Middle Branch of the Forked River, west of the Garden State Parkway, Lacey Township.

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Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Strank	Identified	Last Observed	Location
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Total number of records: 2

***Terrestrial Community - Other Classification***

Pinus rigida / Quercus (marilandica, ilicifolia) / Pyxidanthra barbulata Woodland	New Jersey Pitch Pine / Scrub Oak Barren			HL	G2	S2	Y	2002-10-15	Two main patches are located south of Jakes Branch, north of Pinewald-Keswick Grove Road, east of JCPL powerline, and west of the Garden State Parkway. Patches are located 0.5 to 2.3 miles north of the Double Trouble State Park entrance, partly within Jakes Branch County Park in Beachwood Boro, and partly within Double Trouble State Park and private lands in Berkeley Twp.
Pinus rigida saturated woodland alliance	Pitch Pine Lowlands (Undifferentiated)				G3	S3	Y	2003-01-25	Several patches S of Jakes Branch, N of Pinewald-Keswick Grove Road, east of the JCPL powerline, and W of the Garden State Parkway.
Pinus rigida-(p. echinata)-quercus spp./quercus (marilandica, ilicifolia) woodland	Pine-oak-shrub Oak Woodland (Pow)				G3	S3	Y	2003-01-25	Twelve scattered patches located south of Jakes Branch, mostly north of Pinewald-Keswick Grove Road, mostly east of the JCPL powerline, and west of the Garden State Parkway.

Total number of records: 3

**Rare Wildlife Species or Wildlife Habitat Within the  
Immediate Vicinity of the Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Amphibia</i>								
	Fowler's Toad	Anaxyrus fowleri	Breeding Sighting	2	NA	Special Concern	G5	S3
	Fowler's Toad	Anaxyrus fowleri	Occupied Habitat	2	NA	Special Concern	G5	S3
	Fowler's Toad	Anaxyrus fowleri	On Road	2	NA	Special Concern	G5	S3
	Longtail Salamander	Eurycea longicauda longicauda	Occupied Habitat	3	NA	State Threatened	G5T5	S2
	Pine Barrens Treefrog	Hyla andersonii	Breeding Sighting	3	NA	State Threatened	G4	S2
	Pine Barrens Treefrog	Hyla andersonii	Occupied Habitat	3	NA	State Threatened	G4	S2
	Pine Barrens Treefrog	Hyla andersonii	Vernal Pool Breeding	3	NA	State Threatened	G4	S2
<i>Aves</i>								
	American Bittern	Botaurus lentiginosus	Breeding Sighting- Confirmed	4	NA	State Endangered	G5	S1B,S3N
	American Kestrel	Falco sparverius	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B,S2N
	Bald Eagle	Haliaeetus leucocephalus	Nest	4	NA	State Endangered	G5	S1B,S2N
	Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Barred Owl	Strix varia	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Black Skimmer	Rynchops niger	Foraging	4	NA	State Endangered	G5	S1B,S1N

**Rare Wildlife Species or Wildlife Habitat Within the  
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Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
	Black-billed Cuckoo	Coccyzus erythrophthalmus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Black-crowned Night-heron	Nycticorax nycticorax	Foraging	3	NA	State Threatened	G5	S2B,S3N
	Black-throated Blue Warbler	Dendroica caerulescens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Black-throated Green Warbler	Dendroica virens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Bobolink	Dolichonyx oryzivorus	Breeding Sighting	3	NA	State Threatened	G5	S2B,S3N
	Broad-winged Hawk	Buteo platypterus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Brown Thrasher	Toxostoma rufum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Cattle Egret	Bubulcus ibis	Foraging	3	NA	State Threatened	G5	S2B,S3N
	Cliff Swallow	Petrochelidon pyrrhonota	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Cliff Swallow	Petrochelidon pyrrhonota	Breeding Sighting-Confirmed	2	NA	Special Concern	G5	S3B,S4N
	Common Tern	Sterna hirundo	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Cooper's Hawk	Accipiter cooperii	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Cooper's Hawk	Accipiter cooperii	Nest	2	NA	Special Concern	G5	S3B,S4N
	Eastern Meadowlark	Sturnella magna	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N
	Glossy Ibis	Plegadis falcinellus	Foraging	2	NA	Special Concern	G5	S3B,S4N

**Rare Wildlife Species or Wildlife Habitat Within the  
Immediate Vicinity of the Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
	Golden-winged Warbler	Vermivora chrysoptera	Non-breeding Sighting	2	NA	Special Concern	G4	S1B,S3N
	Grasshopper Sparrow	Ammodramus savannarum	Breeding Sighting	3	NA	State Threatened	G5	S2B,S3N
	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Great Blue Heron	Ardea herodias	Nesting Colony	2	NA	Special Concern	G5	S3B,S4N
	Hooded Warbler	Wilsonia citrina	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Kentucky Warbler	Oporornis formosus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N
	Little Blue Heron	Egretta caerulea	Foraging	2	NA	Special Concern	G5	S3B,S3N
	Northern Harrier	Circus cyaneus	Breeding Sighting	4	NA	State Endangered	G5	S1B,S3N
	Northern Harrier	Circus cyaneus	Nest	4	NA	State Endangered	G5	S1B,S3N
	Northern Harrier	Circus cyaneus	Non-breeding Sighting	2	NA	Special Concern	G5	S1B,S3N
	Northern Parula	Parula americana	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Osprey	Pandion haliaetus	Foraging	3	NA	State Threatened	G5	S2B,S4N
	Osprey	Pandion haliaetus	Nest	3	NA	State Threatened	G5	S2B,S4N
	Red-headed Woodpecker	Melanerpes erythrocephalus	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Red-headed Woodpecker	Melanerpes erythrocephalus	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N

**Rare Wildlife Species or Wildlife Habitat Within the  
Immediate Vicinity of the Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
	Red-shouldered Hawk	Buteo lineatus	Breeding Sighting	4	NA	State Endangered	G5	S1B,S3N
	Red-shouldered Hawk	Buteo lineatus	Non-breeding Sighting	2	NA	Special Concern	G5	S1B,S3N
	Savannah Sparrow	Passerculus sandwichensis	Breeding Sighting	3	NA	State Threatened	G5	S2B,S4N
	Sharp-shinned Hawk	Accipiter striatus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N
	Snowy Egret	Egretta thula	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Tricolored Heron	Egretta tricolor	Foraging	2	NA	Special Concern	G5	S3B,S3N
	Veery	Catharus fuscescens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Whip-poor-will	Caprimulgus vociferus	Breeding Sighting	2	NA	Special Concern	G5	S3B,SUN
	Wood Thrush	Hylocichla mustelina	Breeding Sighting	2	NA	Special Concern	G4	S3B,S4N
	Worm-eating Warbler	Helmitheros vermivorum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Yellow-breasted Chat	Icteria virens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Yellow-crowned Night-heron	Nyctanassa violacea	Foraging	3	NA	State Threatened	G5	S2B,S2N
<i>Insecta</i>								
	Arogos Skipper	Atrytone arogos	Breeding/Courtship	4	NA	State Endangered	G3T1T2	S1
	Arogos Skipper	Atrytone arogos	Nectaring	4	NA	State Endangered	G3T1T2	S1

**Rare Wildlife Species or Wildlife Habitat Within the  
Immediate Vicinity of the Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
	Banner Clubtail	Gomphus apomyius	Breeding/Courtship	3	NA	State Threatened	G3G4	S2
	Dotted Skipper	Hesperia attalus slossonae	Casual Flyby	2	NA	Special Concern	G3G4T3	S3
	Georgia Satyr	Neonympha helicta	Casual Flyby	2	NA	Special Concern	G3G4	S3
	Golden-winged Skimmer	Libellula auripennis	Occupied Habitat	2	NA	Special Concern	G5	S3
	Maine Snaketail	Ophiogomphus mainensis	Foraging	2	NA	Special Concern	G4G5	S3
	Maine Snaketail	Ophiogomphus mainensis	Occupied Habitat	2	NA	Special Concern	G4G5	S3
	Maine Snaketail	Ophiogomphus mainensis	Territorial Display	2	NA	Special Concern	G4G5	S3
	Pine Barrens Bluet	Enallagma recurvatum	Breeding/Courtship	2	NA	Special Concern	G3	S3
	Pine Barrens Bluet	Enallagma recurvatum	Occupied Habitat	2	NA	Special Concern	G3	S3
	Scarlet Bluet	Enallagma pictum	Occupied Habitat	2	NA	Special Concern	G3	S3
	Tiger Spiketail	Cordulegaster erronea	Breeding/Courtship	2	NA	Special Concern	G4	S3
	Tiger Spiketail	Cordulegaster erronea	Territorial Display	2	NA	Special Concern	G4	S3

***Mammalia***



**Rare Wildlife Species or Wildlife Habitat Within the  
Immediate Vicinity of the Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
	Bobcat	Lynx rufus	Capture Location	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Live Individual Sighting	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	On Road	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Physical evidence	4	NA	State Endangered	G5	S2
	Indiana Bat	Myotis sodalis	Active Season Sighting	5	Federally Listed Endangered	State Endangered	G2	S1
	Indiana Bat	Myotis sodalis	Maternity Colony	5	Federally Listed Endangered	State Endangered	G2	S1
	Northern Myotis	Myotis septentrionalis	Active Season Sighting	5	Federally Listed Threatened	NA	G1G2	S1
	Northern Myotis	Myotis septentrionalis	Hibernaculum	5	Federally Listed Threatened	NA	G1G2	S1
	Bog Turtle	Glyptemys muhlenbergii	Occupied Habitat	5	Federally Listed Threatened	State Endangered	G3	S1
	Corn Snake	Pantherophis guttatus	Occupied Habitat	4	NA	State Endangered	G5	S1
<b>Reptilia</b>	Eastern Box Turtle	Terrapene carolina carolina	Occupied Habitat	2	NA	Special Concern	G5T5	S3

**Rare Wildlife Species or Wildlife Habitat Within the  
Immediate Vicinity of the Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

<b>Class</b>	<b>Common Name</b>	<b>Scientific Name</b>	<b>Feature Type</b>	<b>Rank</b>	<b>Federal Protection Status</b>	<b>State Protection Status</b>	<b>Grank</b>	<b>Srank</b>
	Eastern Kingsnake	Lampropeltis getula getula	Occupied Habitat	2	NA	Special Concern	G5T5	S3
	Northern Copperhead	Agkistrodon contortrix mokasen	Occupied Habitat	2	NA	Special Concern	G5T5	S3
	Northern Pine Snake	Pituophis melanoleucus melanoleucus	Occupied Habitat	3	NA	State Threatened	G4T4	S2
	Spotted Turtle	Clemmys guttata	Occupied Habitat	2	NA	Special Concern	G5	S3
	Timber Rattlesnake	Crotalus horridus horridus	Occupied Habitat	4	NA	State Endangered	G4T4	S1
	Wood Turtle	Glyptemys insculpta	Occupied Habitat	3	NA	State Threatened	G3	S2

**Vernal Pool Habitat  
In the Immediate Vicinity of  
Project Site Based on Search of  
Landscape Project 3.3**

<b>Vernal Pool Habitat Type</b>	<b>Vernal Pool Habitat ID</b>
Vernal habitat area	2824
Vernal habitat area	2838
Vernal habitat area	2839
Vernal habitat area	2849
Vernal habitat area	2852
Vernal habitat area	2863
Vernal habitat area	2893
Vernal habitat area	2894
Vernal habitat area	2895
Vernal habitat area	2898
Vernal habitat area	2902
Vernal habitat area	2907
Vernal habitat area	2908
Vernal habitat area	2910
Vernal habitat area	2912
Vernal habitat area	2913
Vernal habitat area	2964

**Vernal Pool Habitat  
In the Immediate Vicinity of  
Project Site Based on Search of  
Landscape Project 3.3**

<b>Vernal Pool Habitat Type</b>	<b>Vernal Pool Habitat ID</b>
Vernal habitat area	2968
Vernal habitat area	2969
Potential vernal habitat area	1024
Potential vernal habitat area	1054
Potential vernal habitat area	1057
Potential vernal habitat area	1081
Potential vernal habitat area	1121
Potential vernal habitat area	1206
Potential vernal habitat area	1408
Potential vernal habitat area	1450
Potential vernal habitat area	1471
Potential vernal habitat area	1494
Potential vernal habitat area	1541
Potential vernal habitat area	1545
Potential vernal habitat area	1550
Potential vernal habitat area	1567
Potential vernal habitat area	1586

**Vernal Pool Habitat  
In the Immediate Vicinity of  
Project Site Based on Search of  
Landscape Project 3.3**

<b>Vernal Pool Habitat Type</b>	<b>Vernal Pool Habitat ID</b>
Potential vernal habitat area	1590
Potential vernal habitat area	1597
Potential vernal habitat area	1672
Potential vernal habitat area	1712
Potential vernal habitat area	1757
Potential vernal habitat area	1758
Potential vernal habitat area	1760
Potential vernal habitat area	1762
Potential vernal habitat area	1781
Potential vernal habitat area	1889
Potential vernal habitat area	1946
Potential vernal habitat area	1961
Potential vernal habitat area	1966
Potential vernal habitat area	2003
Potential vernal habitat area	2011
Potential vernal habitat area	2056
Potential vernal habitat area	2057

**Vernal Pool Habitat  
In the Immediate Vicinity of  
Project Site Based on Search of  
Landscape Project 3.3**

<b>Vernal Pool Habitat Type</b>	<b>Vernal Pool Habitat ID</b>
Potential vernal habitat area	2061
Potential vernal habitat area	2067
Total number of records:	53

**Rare Wildlife Species or Wildlife Habitat  
In the Immediate Vicinity of the  
Project Site Based on Search of  
Landscape Project 3.3 Stream Habitat File**

Link ID	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank	Last Observed	Count
114485	Yellow Lampmussel	Lampsilis cariosa	Occupied Habitat	3	NA	State Threatened	G3G4	S2	2013	3
114526	Yellow Lampmussel	Lampsilis cariosa	Occupied Habitat	3	NA	State Threatened	G3G4	S2	2013	3
115059	Yellow Lampmussel	Lampsilis cariosa	Occupied Habitat	3	NA	State Threatened	G3G4	S2	2013	3
117308	Yellow Lampmussel	Lampsilis cariosa	Occupied Habitat	3	NA	State Threatened	G3G4	S2	2013	3
120800	Yellow Lampmussel	Lampsilis cariosa	Occupied Habitat	3	NA	State Threatened	G3G4	S2	2013	3

Total number of records: 5

<p align="center"><b>Other Animal Species</b>  <b>In the Immediate Vicinity of the Project Site Based on</b>  <b>Additional Species Tracked by</b>  <b>Endangered and Nongame Species Program</b></p>
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Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Strank
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***Invertebrate Animals***

Apamea apamiformis	A Noctuid Moth			G4	S2S4
Chytonix sensilis	A Noctuid Moth			G4	S1S3
Cicindela marginipennis	Cobblestone Tiger Beetle			G2	S1
Grammia placentia	Placentia Tiger Moth			G3G4	S1S3
Metarranthis pilosaria	Coastal Bog Metarranthis			G3G4	S3S4
Polites mystic	Long Dash			G5	S3?

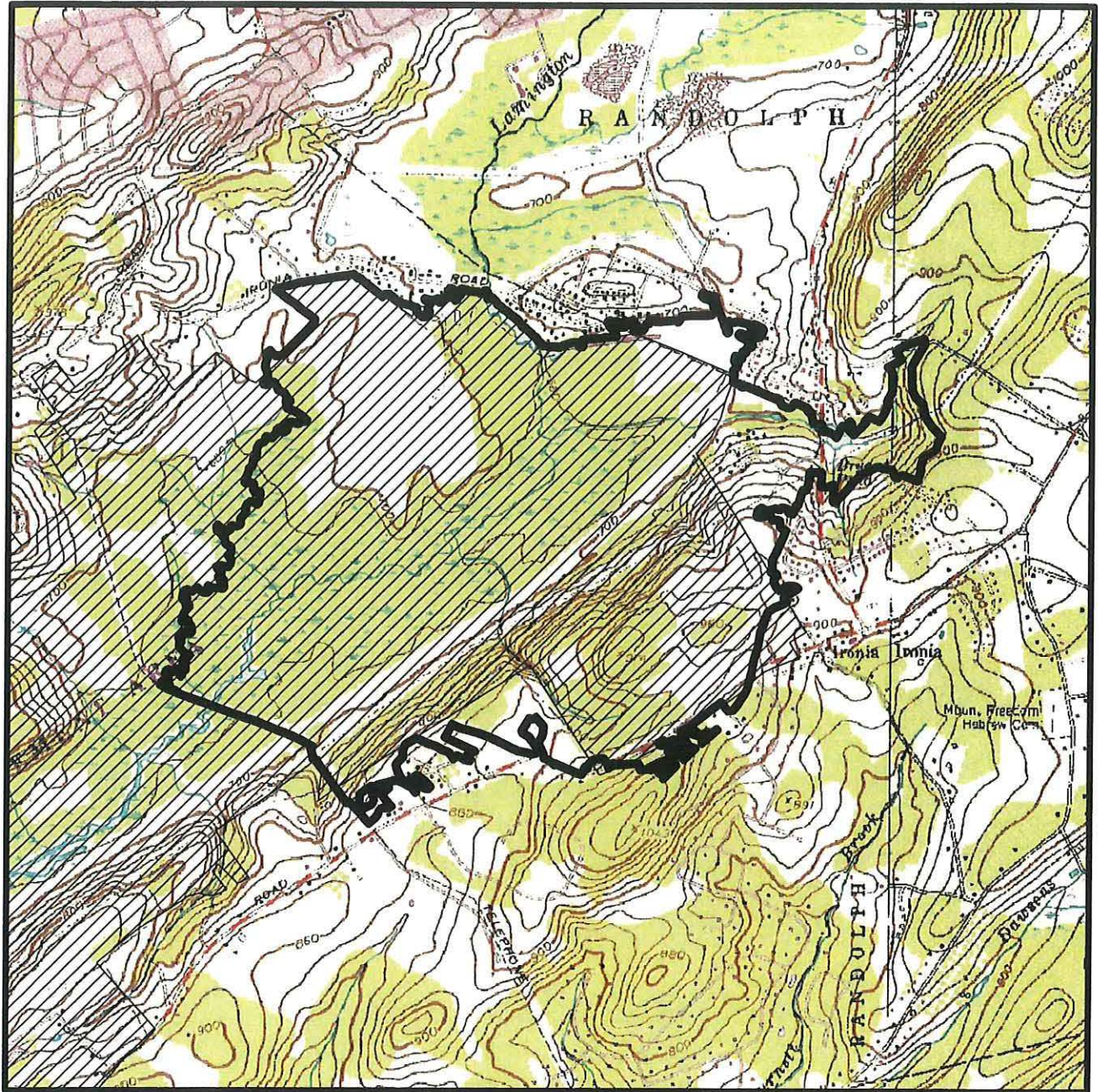
Total number of records: 6

***Vertebrate Animals***

Eptesicus fuscus	Big Brown Bat			G5	S3
Malaclemys terrapin terrapin	Northern Diamondback Terrapin			G4T4Q	S3
Myotis lucifugus	Little Brown Bat			G3	S1
Perimyotis subflavus	Tricolored Bat			G2G3	S1
Rallus limicola	Virginia Rail			G5	S3B.S4N

Total number of records: 5





Natural Heritage Priority Site  
**Black River Meadow**  
 Morris County

## Natural Heritage Priority Site **Black River Meadow**

### ***Locational Information***

**Quad Name:** Chester ; Mendham  
**County:** Morris  
**Municipality:** Chester Twp ; Randolph Twp

### ***Description of Site***

Includes disturbed deciduous forest (powerline right-of-way), deciduous wooded wetlands and buffers supporting two rare plant species.

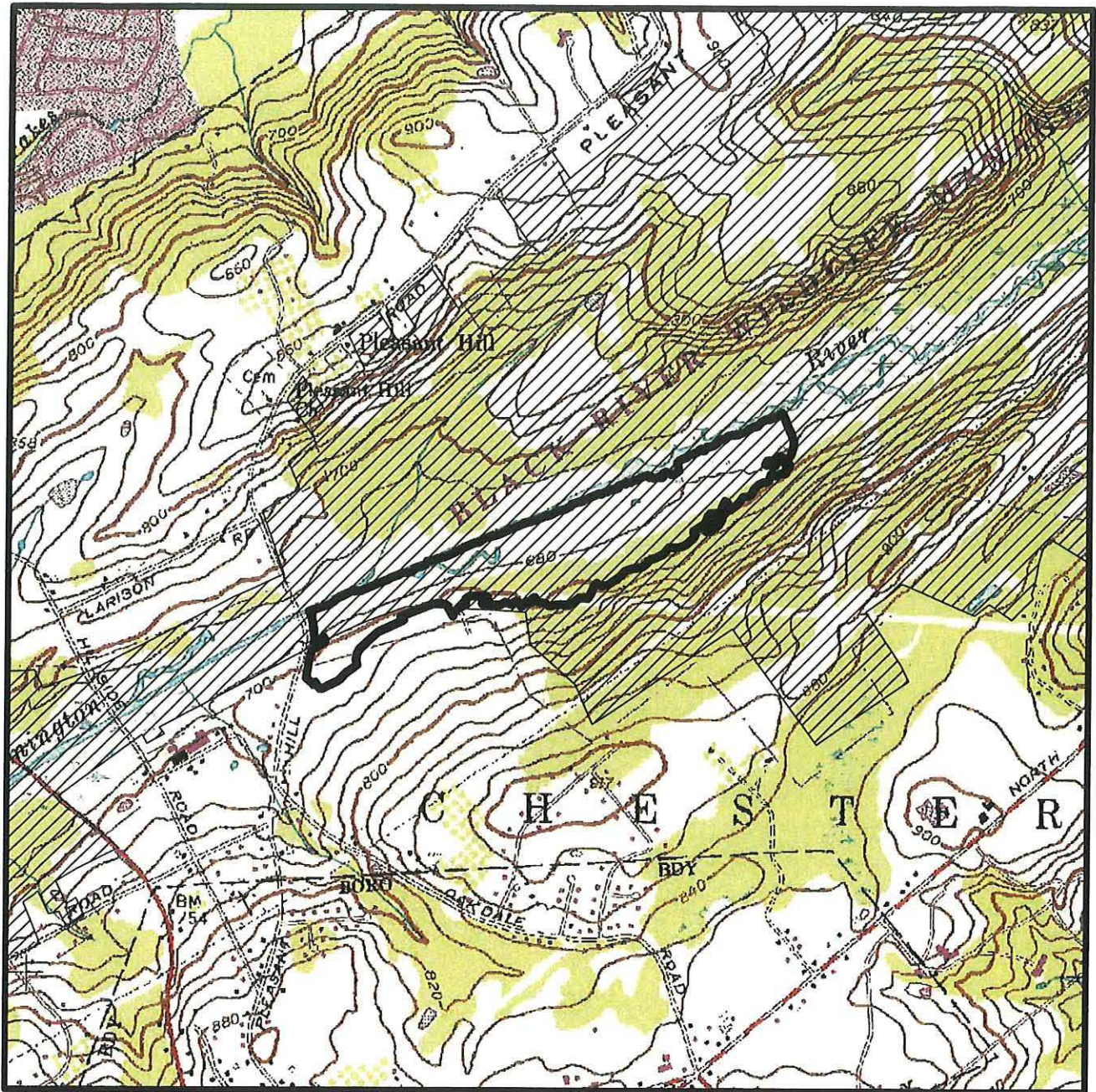
### ***Boundary Justification***

Boundary includes documented upland and wetland habitat for two rare plant species, and suitable contiguous habitat.

### ***Biodiversity Rank***    ***B4V1***

Site contains a good population of a plant species that is critically imperiled in the state and another plant species that is rare in the state.





Natural Heritage Priority Site  
**Chester Railroad Site**  
 Morris County



NJ Department of Environmental Protection  
 Division of Parks and Forestry  
**Natural Lands Management**



Priority Sites  
 Public Land

## Natural Heritage Priority Site **Chester Railroad Site**

### ***Locational Information***

**Quad Name:** Chester  
**County:** Morris  
**Municipality:** Chester Twp

### ***Description of Site***

Abandoned RR corridor along the ecotone of a wooded slope and Lamington River. Includes mixed deciduous woods and wetland plant communities.

### ***Boundary Justification***

Includes wetland and upland habitats for globally rare plant species.

### ***Biodiversity Rank    B4V1***

Contains one plant species that is globally rare and is critically imperiled in the state.







Natural Heritage Priority Site  
**Forked River Mountain Macrosite**  
Ocean County



NJ Department of Environmental Protection  
Division of Parks and Forestry

**Natural Lands Management**

1 0 1 Miles

 Priority Site  
 Public Land





## Natural Heritage Priority Site Forked River Mountain Macrosite

### *Locational Information*

**Quad Name:** Brookville ; Forked River ; Woodmansie ; Keswick Grove ; Whiting

**County:** Ocean

**Municipality:** Lacey Twp ; Ocean Twp ; Manchester Twp ; Barnegat Twp

### *Description of Site*

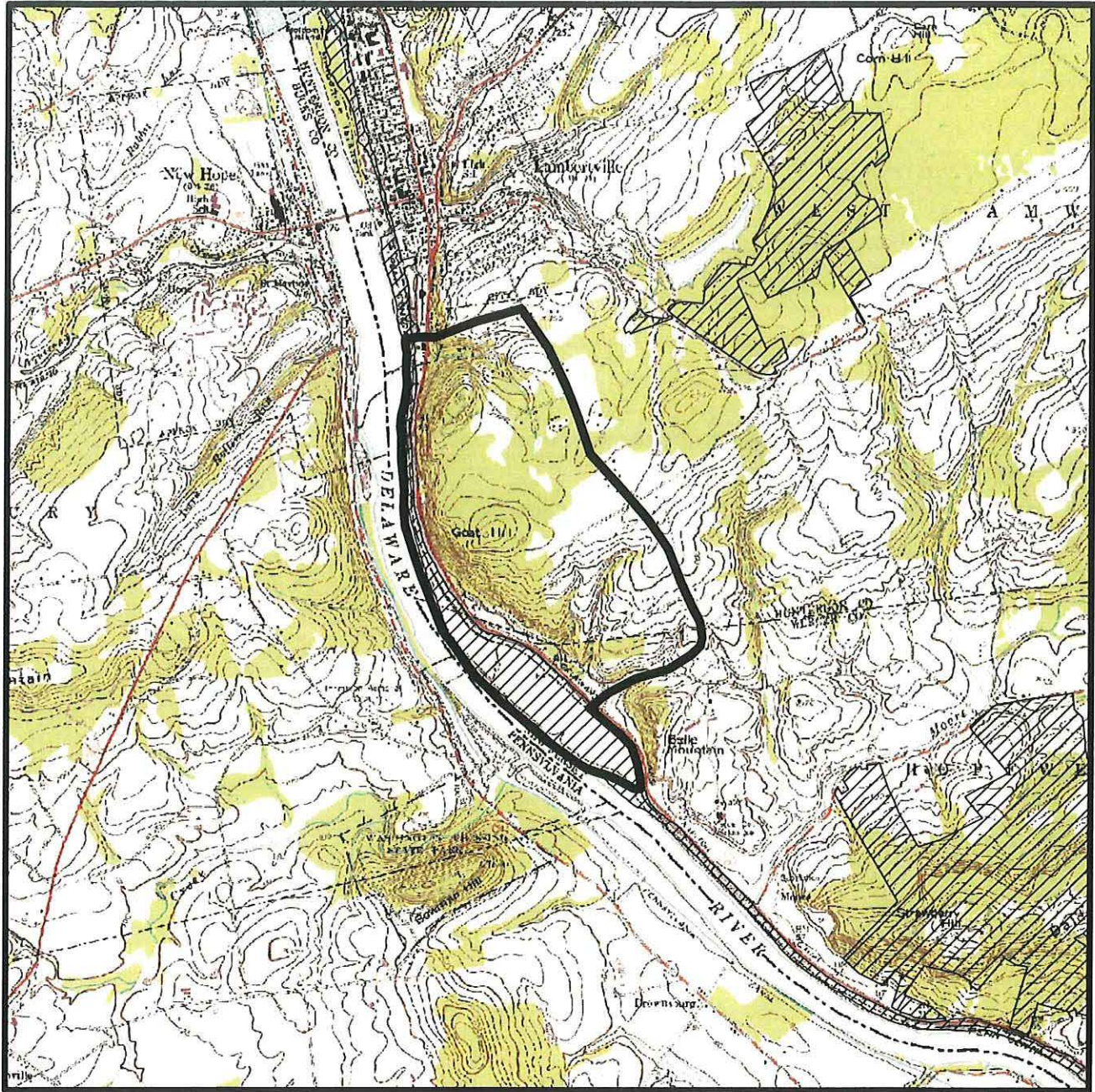
A few small occurrences of dwarf pine plains (<150 acres) associated with up to 1000+ acres of transitional pine plains, and several small occurrences of hydric pine plains. Most of the plains are in the vicinity of Forked River Mountain, near the center of a large fireshed of over 30,000 acres. Within the fireshed are extensive occurrences of pitch pine-scrub oak barrens, other pine barrens and pine-oak forests, pitch pine lowlands, red maple-black gum palustrine forest, and atlantic white cedar palustrine forest.

### *Boundary Justification*

Fireshed limits where most plant community-maintaining wildfires would originate and be contained within, using convenient man-made and natural firebreaks and distribution of flammable pine barren plant communities for management purposes.

### *Biodiversity Rank*     **B2**

The site contains a globally imperiled pine plains natural community.



Natural Heritage Priority Site

## Goat Hill

Hunterdon and Mercer Counties



NJ Department of Environmental Protection  
Division of Parks and Forestry  
**Natural Lands Management**



Priority Sites  
 Public Land

**4**

## Natural Heritage Priority Site **Goat Hill**

### ***Locational Information***

**Quad Name:** Lambertville

**County:** Hunterdon ; Mercer

**Municipality:** West Amwell Twp ; Hopewell Twp ; Lambertville City

### ***Description of Site***

Steep, wooded diabase hillside.

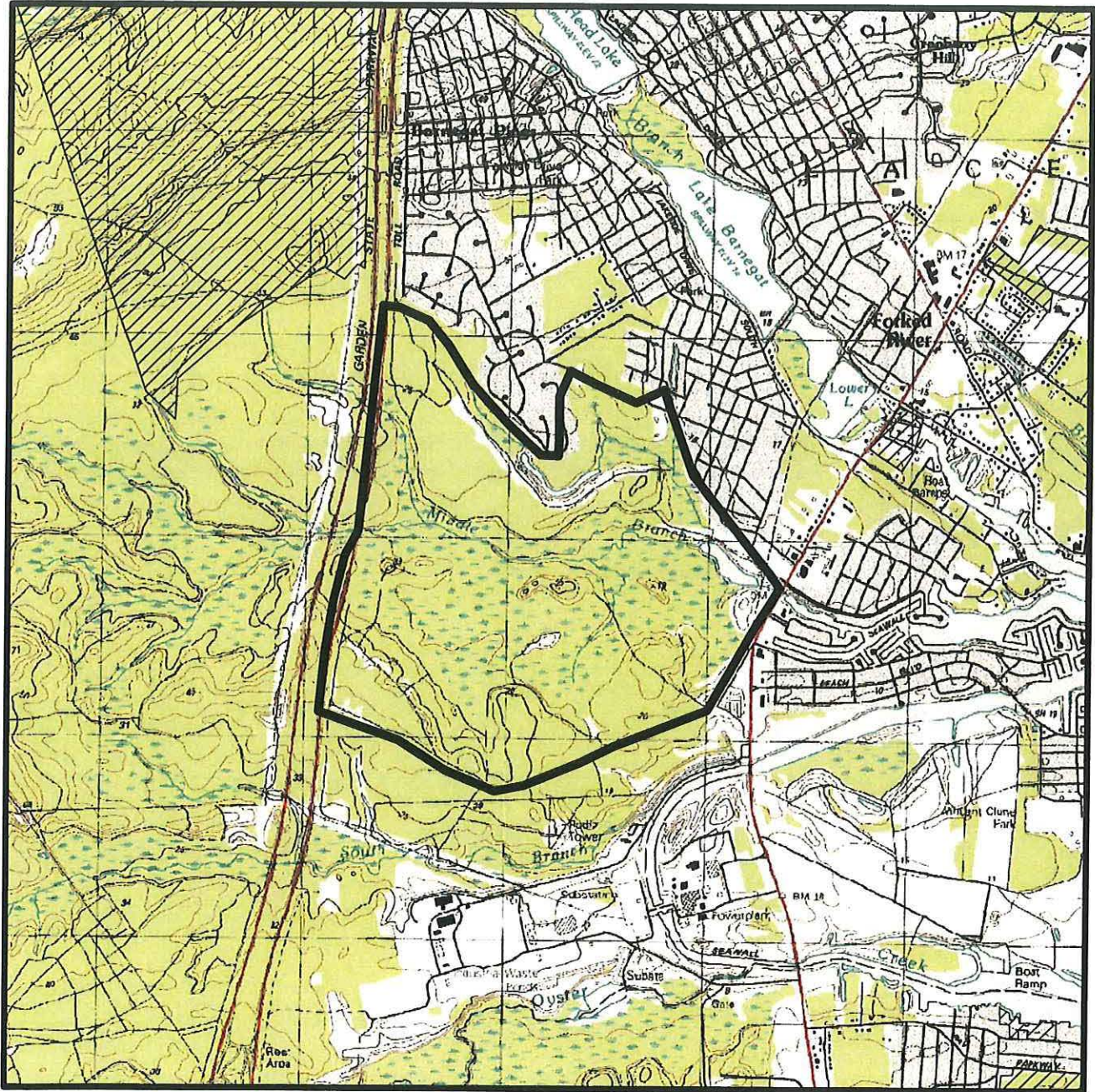
### ***Boundary Justification***

Includes habitat for all rare plant species plus some buffer.

### ***Biodiversity Rank    B4***

The site contains three State-listed Endangered Plant Species.





Natural Heritage Priority Site

## Middle Branch Forked River

Ocean County



NJ Department of Environmental Protection  
Division of Parks and Forestry  
**Natural Lands Management**



 Priority Sites  
 Public Land

**4**

Natural Heritage Priority Site  
**Middle Branch Forked River**

***Locational Information***

**Quad Name:** Forked River  
**County:** Ocean  
**Municipality:** Lacey Twp

***Description of Site***

Open wetlands adjacent to pine barren stream through Atlantic white cedar swamp.

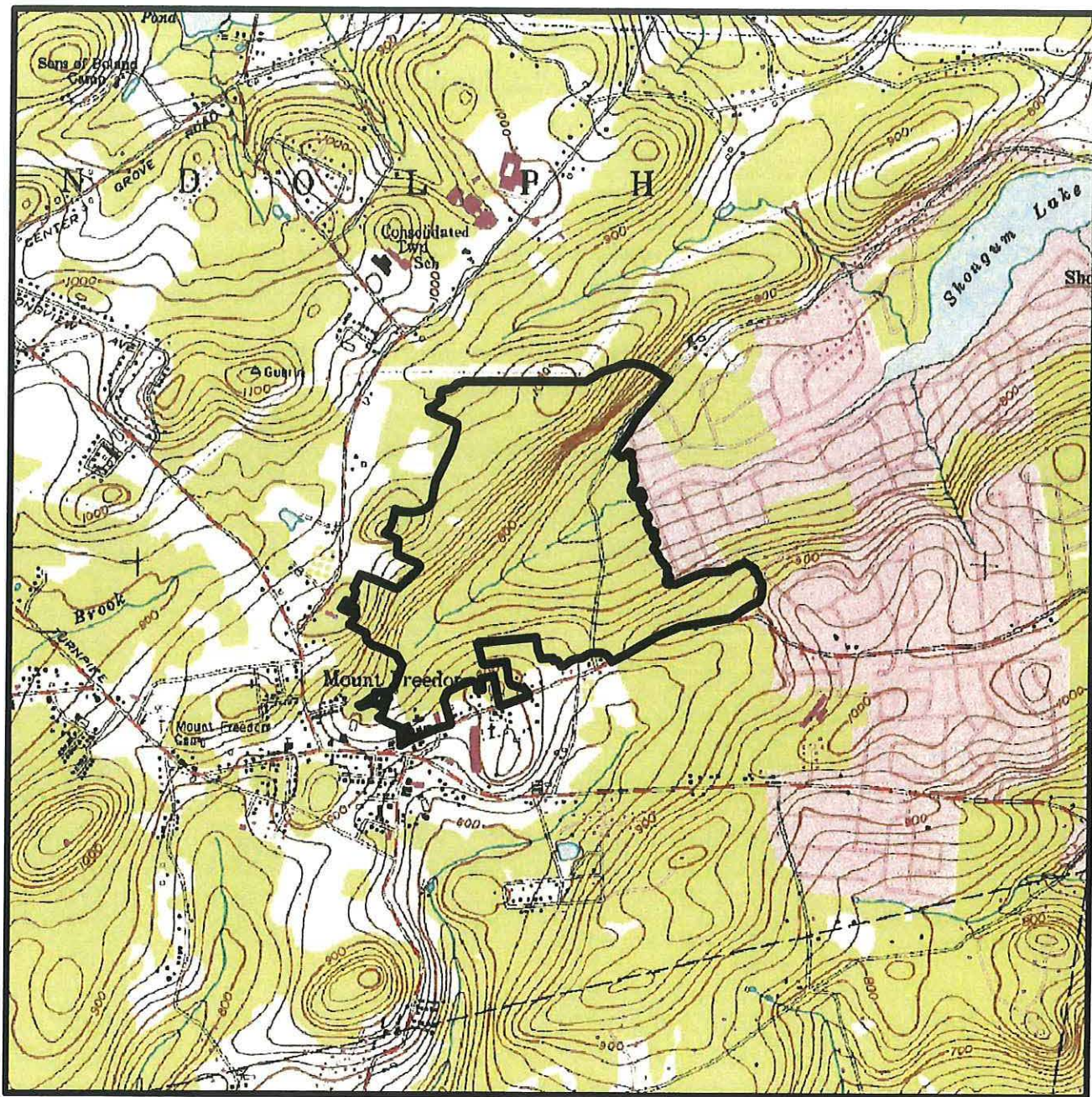
***Boundary Justification***

Boundaries include wetland habitat for rare plant species plus undeveloped uplands in the drainage basin east of the Garden State Parkway. With additional field work, bounds may be expanded upstream west of the Parkway.

***Biodiversity Rank***    ***B2***

Several globally rare and State listed plant species.





Natural Heritage Priority Site

## Mount Freedom

Morris County



NJ Department of Environmental Protection  
Division of Parks and Forestry  
**Natural Lands Management**



 Priority Sites  
 Public Land

4

Natural Heritage Priority Site  
**Mount Freedom**

***Locational Information***

**Quad Name:** Mendham  
**County:** Morris  
**Municipality:** Randolph Twp

***Description of Site***

Seepage areas along the slopes of deciduous wooded wetlands.

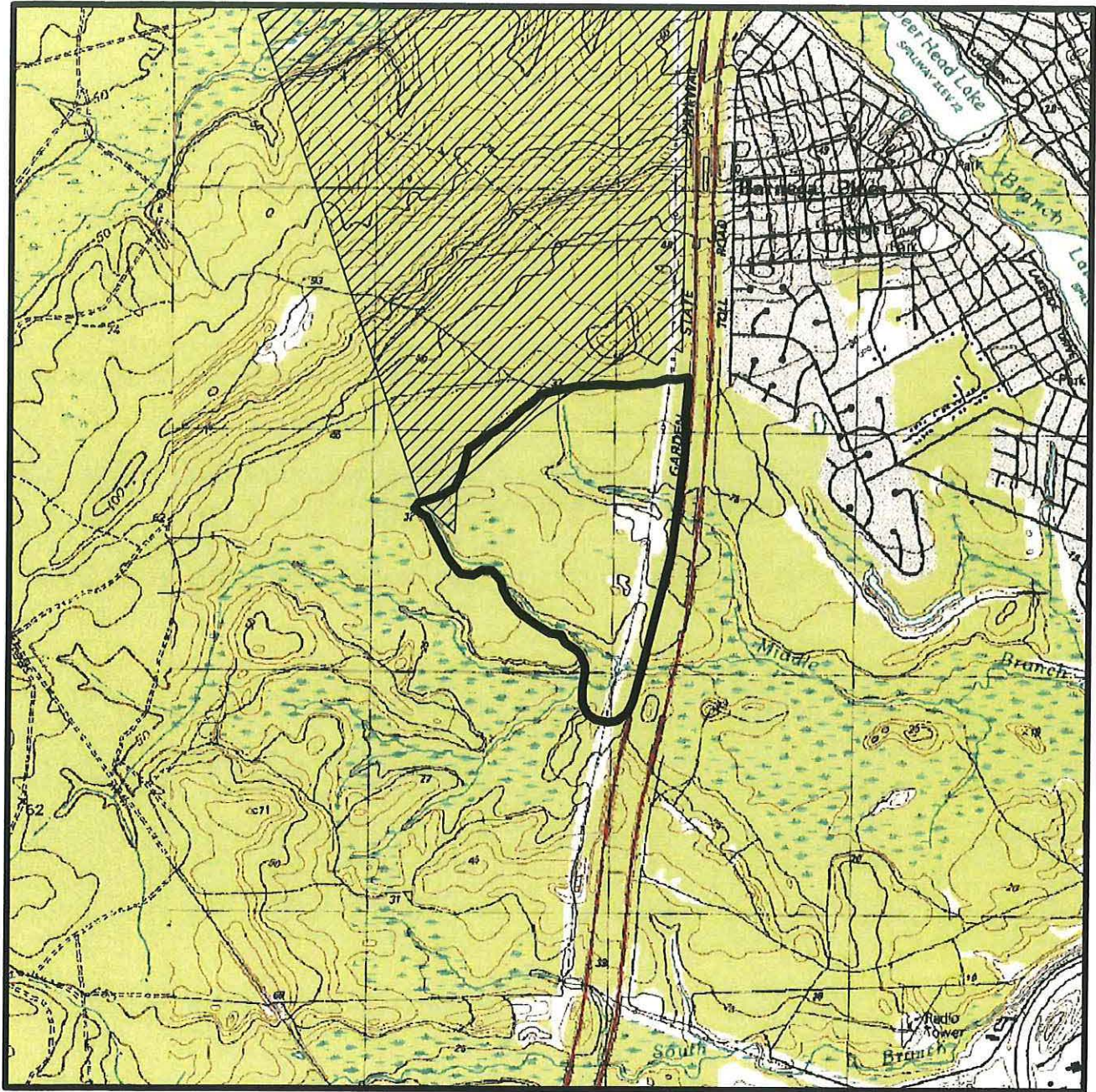
***Boundary Justification***

Contains deciduous wooded wetlands supporting critically imperiled plants species and surrounding upland deciduous forested buffer.

***Biodiversity Rank***    ***B5V2***

Contains a critically imperiled state plant species.





Natural Heritage Priority Site

## Pits and Pond

Ocean County



NJ Department of Environmental Protection  
Division of Parks and Forestry  
**Natural Lands Management**



 Priority Sites  
 Public Land

**4**

## Natural Heritage Priority Site **Pits and Pond**

### ***Locational Information***

**Quad Name:** Forked River  
**County:** Ocean  
**Municipality:** Lacey Twp

### ***Description of Site***

Two borrow pits (heavily used by ORV's) under and adjacent to mowed pipeline right-of-way through pitch pine lowland forest.

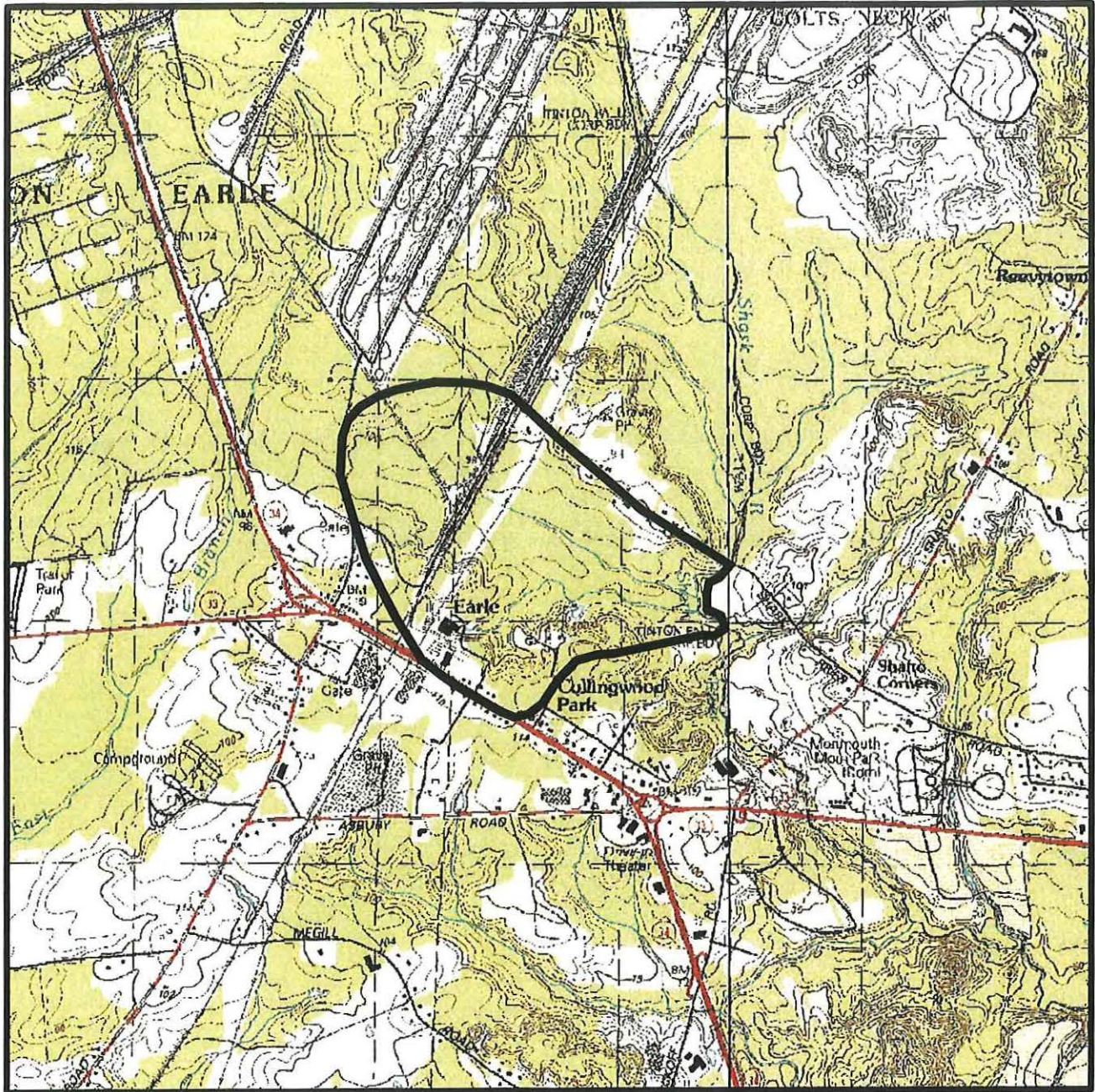
### ***Boundary Justification***

Uses existing sand roads to north, west, and south to enclose the adjacent wetlands and uplands draining towards the rare plants, with the Garden State Parkway forming the eastern boundary.

### ***Biodiversity Rank*     **B2****

The site contains four globally rare plant species, two of which are state endangered, and one of which is also federally threatened.





Natural Heritage Priority Site  
**Shark River Station Site**  
 Monmouth County



NJ Department of Environmental Protection  
 Division of Parks and Forestry

**Natural Lands Management**



Priority Sites  
 Public Land

Natural Heritage Priority Site  
**Shark River Station Site**

***Locational Information***

**Quad Name:** Farmingdale  
**County:** Monmouth  
**Municipality:** Wall Twp ; Howell Twp ; Tinton Falls Boro

***Description of Site***

Typical pine barren upland/wetland complex.

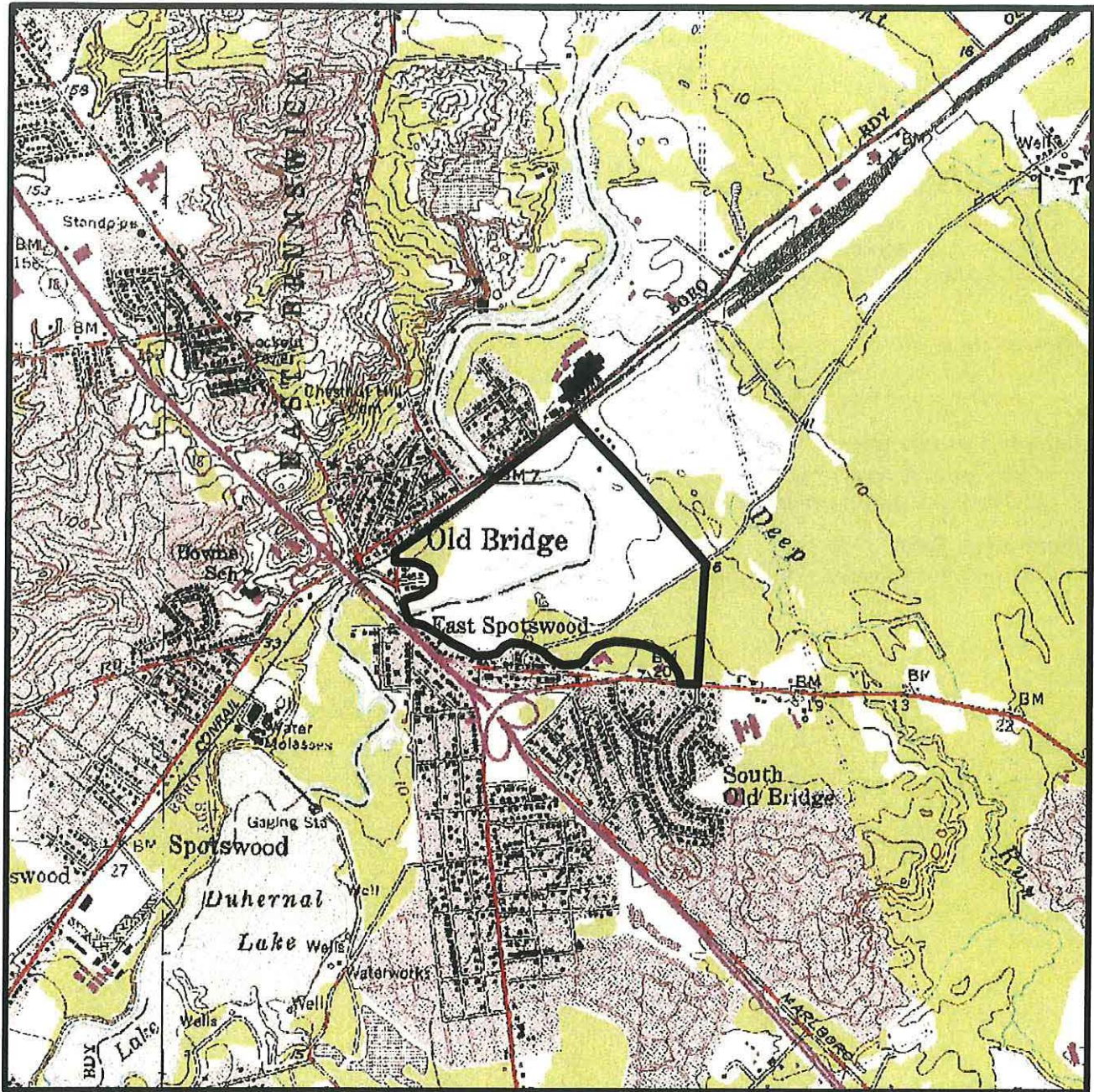
***Boundary Justification***

Primary boundaries include known habitat for rare plant species. Secondary bounds include lands draining toward the wetland habitat.

***Biodiversity Rank***     ***B2***

Site contains one critically imperilled plant species and other global and state rare plant species.





Natural Heritage Priority Site  
**South River Marshes**  
 Middlesex County



NJ Department of Environmental Protection  
 Division of Parks and Forestry  
**Natural Lands Management**



**4**

## Natural Heritage Priority Site **South River Marshes**

### ***Locational Information***

**Quad Name:** South Amboy  
**County:** Middlesex ;  
**Municipality:** Old Bridge Twp ; East Brunswick Twp

### ***Description of Site***

A tidal fresh water swamp at the foot of a high sandy bluff. Uplands are oak-pine woods with several characteristic pine barren species.

### ***Boundary Justification***

Primary boundary includes documented habitat for endangered plant species plus contiguous suitable habitat.  
Secondary boundary includes wetland and upland buffer.

### ***Biodiversity Rank    B3***

Contains a good population of a globally rare plant species.

## **ATTACHMENT I**

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### **JCP&L Practices for Maintenance Work in Water Resource Areas**



# **JCP&L PRACTICES FOR MAINTENANCE WORK IN WATER RESOURCE AREAS**

**Including regulated freshwater  
wetlands, freshwater wetlands  
transition areas (buffers), coastal  
wetlands, coastal wetlands buffers,  
coastal zone, flood hazard areas  
and riparian zones (water resource areas)**

**December 2019**

*Prepared By:*  
**ENVIRONMENTAL SERVICES  
Jersey Central Power & Light Company**



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## **APPENDICES**

- Appendix A-1 JCP&L Vegetative Maintenance Program – Distribution Specifications**  
**Appendix A-2 JCP&L Vegetative Maintenance Program – Transmission Specifications**

# **1 INTRODUCTION**

This document has been prepared for use by Jersey Central Power and Light Company's (JCP&L) maintenance personnel and its contractors when performing scheduled and unscheduled right-of-way (ROW) maintenance work in regulated freshwater wetlands, freshwater wetlands transition areas (buffers), coastal wetlands, coastal wetlands buffers, coastal zone, flood hazard areas and riparian zones (water resource areas or WRAs). These maintenance practices must be applied to every project in a WRA undertaken by the JCP&L no matter how minor the activity may seem.

The maintenance practices described herein are accepted as JCP&L policy regarding how work will be conducted in WRAs.

## **1.1 Regulatory Framework**

Utility maintenance activities, conducted on a routine basis, address the requirements of Federal Energy Regulatory Commission (FERC) and the Board of Public Utilities (BPU) mission to assure "high quality, safe and reliable service, at a reasonable price, to electric utility customers of the State. Although a majority of the above maintenance activities will occur on non-regulated, upland areas within the service territory, WRAs will be encountered. Work in WRAs creates the need for utilities to acquire General Permits pursuant to N.J.A.C. 7:7A-5, Flood Hazard Area Individual Permit pursuant to N.J.A.C. 7:13-9, a Coastal General Permit pursuant to N.J.A.C. 7:7-6.19 and Coastal Wetlands permits pursuant to N.J.A.C. 7:7-2.3 from the New Jersey Department of Environmental Protection (NJDEP).

## **1.2 Types of Activities Covered**

Activities defined as maintenance include:

- Vegetative maintenance (i.e., maintain vegetation species composition and height consistent with BPU standards) within existing rights of ways;
- Repair of access roads (e.g. repairing potholes and wash out and subbase reinforcement to prevent rutting);
- Repair and/or in-kind replacement of bridges;
- Repair and/or in-kind replacement of culverts;
- Repair of ditches with drainage areas of less than 50 acres;
- Repair/cleaning of stormwater management facilities (e.g. removal of accumulated sediment from a detention basins or swale);
- Substation maintenance including replacement of individual components within existing substations;
- Maintenance of transmission line infrastructure including replacement of components (e.g. conductors, poles, towers); and
- Maintenance of distribution line infrastructure including replacement of components (e.g. conductors, poles, transformers).

Consistent with practices authorized in the existing permit maintenance does not include “expansion” of existing facilities. “Maintenance” may include replacement of individual components such as conductors, transformers and/or support structures (e.g. poles). As appropriate, replacement components may differ from existing components to accommodate changes in technology, current BPU standards and/or construction techniques. In no instance would “maintenance” result in the permanent loss of any regulated resource upon completion of the work.

**Vegetative Maintenance:** Routine vegetative maintenance activities do not result in changing the basic character of the flora within the ROW. Vegetative maintenance activities include, but are not limited to inspection, tree-pruning, tree removal, brush clearing, mowing and selective herbicide application on the power line ROW and at critical facilities. These maintenance activities have occurred in most instances for decades and the flora and fauna in the ROW is adapted, and in some instances, dependent upon these activities.

Inspections of all bulk transmission ROWs are conducted annually by helicopter and by walking the ROW at a minimum every two years. Tree-pruning, tree removal, brush clearing, mowing and selective herbicide application in power line ROWs and at critical facilities is conducted on a four-year cycle in order to comply with current BPU rules. JCP&L may also have occasion to conduct emergency vegetative maintenance to restore power to transmission and distribution systems due to storm damage or accidents that may occur anywhere throughout the JCP&L utilities service area. This document does not address clearing new ROWs or widening of an existing ROW; it only addresses maintenance activities.

**Infrastructure Maintenance:** In addition to the vegetative maintenance activities, JCP&L routinely conducts utility line infrastructure maintenance activities including structural maintenance and replacement activities such as replacing poles, towers, re-conductoring overhead power lines, access road maintenance, emergency replacements, and equipment repairs. These are effectively in-kind repair or replacement of existing infrastructure although the exact equipment used may differ from the existing equipment due to changes in current specifications and/or technology and/or changes to improve reliability. Infrastructure maintenance may involve a change in the capacity of a structure (e.g. using different conductors and/or support structures to accommodate increases loads) but would not include activities that would result in the permanent loss of WRAs. Generally, where minor relocation of a structure is required, the new structure should be located more landward of the WRA than the existing structure.

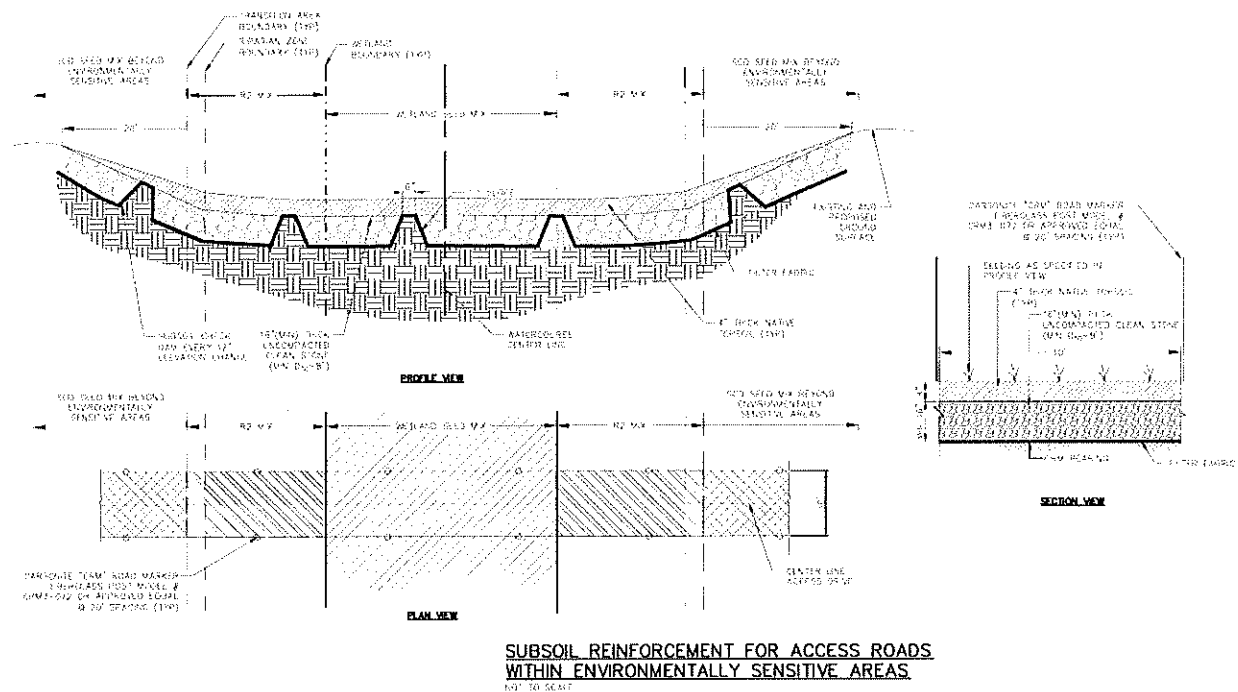
**Substation Maintenance:** Beyond utility line infrastructure, the equipment within existing substations must be maintained, replaced or upgraded in order for the utilities to meet the electrical demand of customers. Substation equipment upgrades may include adding new devices within the existing substation boundaries. In such instances, all maintenance and upgrade activities are confined to the previously disturbed/gravel areas within the existing fence line. The substation footprint remains the same size and shape, and no new impervious surface beyond the fence line is included in substation maintenance. Equipment



upgrades do not involve the enlargement or expansion of the existing substations.

**Road Maintenance:** Road maintenance includes preserving the existing width and elevation of roads used to conduct inspections and maintenance of distribution and transmission lines. Except in the case where there are deep ruts, there would be no change in the surface material of the access roads. Where replacement is necessary, surface material would be at least as permeable as existing surface and capable of supporting similar patterns of vegetation. Road maintenance includes the following general activities:

- Suppression of woody vegetation;
- Filling of potholes (with clean stone);
- Replacement of “washouts” with stone large enough to reduce future erosion; and
- Subsurface reinforcement of rutted areas. Subsoil reinforcement includes temporary excavation of soils lacking adequate bearing capacity to a depth not greater than 2.5 feet. Backfill with uncompacted clean stone with d50 of at least 1.5” and replacement of a thin layer of the original topsoil and plant propagules. Subsoil reinforcement does not include increasing the elevation of the ground higher than adjacent areas that are not rutted.



Where existing roads cross watercourses, fords would only be used where the vehicles' surface water is less than 10" deep at the time of the crossing and only along existing access roads. Temporary crossings (such as combination of sandbags, culvert and mats or temporary “Bailey bridges”) would be used to cross deeper streams and/or where there is no existing access road. These types of temporary crossings require no permanent footings.

**Ditch Maintenance:** Consists of removing obstructions (e.g. debris, fallen trees) and

accumulated sediments to restore original ditch dimensions. The majority of work is done with hand tools. Occasionally, small equipment such as “Bobcat” track hoe may be needed to remove sediment and/or larger debris. Ditch maintenance is limited to those ditches that have a contributory drainage area of less than 50 acres. Original ditch dimensions are determined in the following ways:

- Original construction plans;
- As built drawings;
- ROW surveys;
- Review of historical aerial photography;
- Direct field measurement of remaining sections of ditch;
- In absence of any of the above information ditches would be restored by removing materials to no more than 1 foot below existing culvert inverts and/or surface drain outlets. Side slopes would not be shallower than 3:1 (H:V); and
- Only bioengineering techniques would be used for bank stabilization.

In no instance would the original dimensions of the ditch be altered. Only vegetation that altered the original dimensions (e.g. if a tree collapsed into the ditch) of the ditch would be removed. Temporary disturbance of herbaceous vegetation would be required to remove sediment. Work is limited to ditches that have a drainage area of less than 50 acres to avoid work in flood way. Any material removed from the ditch would be properly disposed outside wetlands, transition areas and flood hazard areas.

## **2 JCP&L'S MAINTENANCE PRACTICES IN WRA'S**

### **2.1 Resource Protection**

#### **2.1.1 Trout Associated Waters**

Trout Associated (TA) waters are sections of surface water designated as “Trout Production water” (TP), “Trout Maintenance water” (TM) in the NJDEP’s Surface Water Quality Standards at N.J.A.C. 7:9B and “Trout Stocked waters” (TS) by the NJDEP Division of Fish and Wildlife (DFW) in N.J.A.C. 7:25-6. The maintenance practices for TA waters are intended to prevent siltation of the waterway (e.g., from the potential re-grading required after removal of matting equipment) and schedule activities during periods when trout are less sensitive to changes in water quality. In WRAs adjacent to TA waters, planned system maintenance work that could introduce sediments to the water course (such as earth moving) should not be conducted between the following periods:

- **All TP waters except rainbow trout:** September 15 through March 15;
- **Rainbow trout TP waters:** February 1 through April 30;
- **TS waters:** March 15 through June 15;
- **All TM waters:** March 15 through June 15; and
- **Waters within one mile upstream of TM or TS waters:** March 15 through June 15;

Because most vegetative maintenance practices do not introduce sediments into water and do not involve removal of the root system of the plant, tilling of the soil, excavation or re- grading vegetative maintenance can be conducted in the periods listed above.

NJDEP may require additional seasonal restrictions to protect other fisheries resources if the maintenance activities could introduce sediments to these fishery resources.

### **2.1.2 Threatened or Endangered Species Habitat**

Threatened and Endangered (T&E) species habitat includes documented habitat for species listed as “threatened” or “endangered” pursuant to the Endangered and Nongame Species Conservation Act, N.J.S.A. 23:2A-1 *et seq.*, the Endangered Species Act of 1973, 16 U.S.C. § 1531 *et seq.* or the Endangered Plant Species List, N.J.A.C. 7:5C-5.1 and amendments thereto. The Freshwater Protection Act Rules, the Flood Hazard Area Control Act Rules and the Highlands Act require that regulated activities do not adversely affect threatened and endangered species or their habitats. JCP&L maintenance activities shall be implemented in a manner which will result in minimal impact to these species and their habitat.

In WRA’s containing T&E species habitat, the minimum amount of vegetation will be cut to ground line and treat the stump with an NJDEP approved aquatic herbicide mix to allow for the safe operation of the existing transmission or distribution line. In addition, vegetative maintenance practices in WRA’s containing T&E species habitat will not involve removal of the root system of the plant, tilling of the soil, excavation or re-grading. Typically, on pole and tower lines of 115kv and above, the plant cover of the wire zone on either side of the structure has been and will be maintained as a herb-fern-grass or shrub community with tall shrub-herb-fern-grass and low growing trees and shrubs in the border zone. These vegetative communities will continue to be maintained in WRA’s where they are currently present. These vegetation maintenance activities have occurred in most instances for decades and the flora and fauna in the ROW is adapted, and in some instances, dependent upon these activities.

Prior to conducting scheduled work in a municipality known to contain documented habitat T&E species, JCP&L submits shape files of our Transmission Lines scheduled for maintenance to NJDEP Division of Fish and Wildlife (DFW) Endangered and Nongame Species Program and United States Fish and Wildlife Service (USFWS) for review.

- **NJDEP ENSP** (609) 292-9400
- **USFWS** (609) 383-3938

JCP&L consults with the USFWS and abides by their recommended timing restrictions and work area precautions to the extent practicable to protect T&E species identified by the USFWS that are located within our ROW. In cases where NJDEP

would require additional seasonal restrictions on certain maintenance activities in WRA's, JCP&L will adhere to these restrictions to the extent practicable. However, where the seasonal restrictions exceed 183 days or it is not practicable to adhere to seasonal restrictions, JCP&L will remove only the minimal amount of vegetation to allow for the safe operation of the existing transmission or distribution line and will not cut below ground line in these regulated areas. These activities will be timed to be concurrent with work in the adjacent area outside the WRA and/or when vegetative management techniques provide the optimum effectiveness.

### **2.1.3 Wildlife Management Areas**

For maintenance work within NJDEP DFW Wildlife Management Areas (WMA), JCP&L shall notify the DFW Regional WMA Superintendents for the area. The contact information for each superintendent is provided below:

- **Southern Region** (Atlantic and Camden Counties and all areas south) (856) 785- 0455
- **Central Region** (Mercer, Middlesex and Monmouth Counties) (609) 259-2132
- **Northern Region** (All counties north of Mercer, Middlesex and Monmouth Counties) (973) 383-0918

### **2.1.4 Right of Way Maintenance-Vegetative**

Contractors who conduct ROW maintenance activities must complete work in accordance with JCP&L's Distribution and Transmission Specifications upon being awarded a contract.

### **2.1.5 Vegetation Height and Community Composition**

JCP&L utilizes an integrated vegetative management approach to conducting vegetative maintenance. Shrub and low growing vegetation are maintained by mechanical cutting (e.g. mower), manual cutting, by selective application of herbicide as per our vegetation work procedures and specifications.

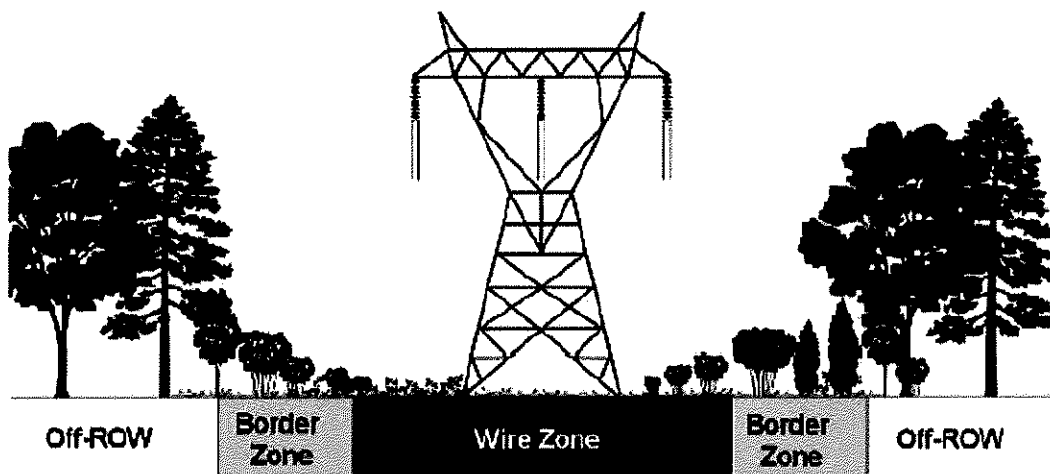
JCP&L maintenance practices are designed to maintain existing patterns of vegetation at heights compatible with safe and efficient operation of the transmission and distribution lines. The goal is to maintain the structure of vegetation communities in an early successional, low-growing plant community dominated by native grasses, herbs, and small shrubs. These vegetation maintenance activities have occurred in most instances for decades and the flora and fauna in the ROW is adapted, and in some instances, dependent upon these activities.

Clearance for vegetation around fixtures and lines is summarized in the attached *Summary of JCP&L Distribution and Transmission Vegetation Maintenance Program Specifications* (Appendix A & B). Additionally, based on local

conditions, vegetation predicted to mature to a height that will not affect the safety and reliability of the conductors will generally be left in place. Local conditions include but are not limited to techniques carried out during the maintenance cycle, fire risk, anticipated tree and conductor movement, tree species, growth rates, species failure characteristics, local climate, terrain, vegetation within the span and worker approach distance requirements.

Areas known as "100 ft zones" are areas where the conductor is 100ft above the ground. JCP&L would selectively remove or treat only those species that have the potential to grow tall enough to affect the safety and reliability of the conductors. In these areas only the trees that have the potential to affect the safety and reliability of the conductors prior to the next scheduled maintenance will be SELECTIVELY removed. Species that would not mature tall enough to affect the conductors would remain. Vegetation will also not be cut where the line crosses steep valleys (slope greater than 30 percent) and the transmission line ROW is such that the mature height of the vegetation will allow a space of more than 150 percent of the clearance requirements for an electrical path to the ground, as set forth in the National Electric Safety Code subsections 232 to 235.

In WRAs, a minimum amount of vegetation will be cut to ground line to allow for the safe operation of an existing transmission or distribution line. Vegetative maintenance within WRAs will not involve more than incidental removal of the root system of the plant, tilling of the soil, excavation or re-grading. Typically, on pole and tower lines of 115kV and above, the plant cover of the wire zone (the land area directly beneath the overhead wires) has been and will be maintained as a herb-fern-grass community with tall shrub-herb-fern-grass and low growing trees and shrubs in the border zone.



All trees designated for trimming/removal shall be trimmed/removed in a professional, scientific manner in accordance with the best recognized and approved standards. All pruning, both initial and re-pruning, is to be done in accordance with modern arboriculture standards using the current ANSI A300 Standards and

Amendments. Directional pruning is the preferred method of line clearance pruning.

#### **2.1.6 Vegetation Disposal**

The contractor shall dispose of all wood, branches, brush and debris in accordance with applicable laws, rules, ordinances and regulations as well as with the desire of property owners, occupants, or JCP&L, and at such time and in such a manner as to prevent injury to persons or property. Where chipping is required, chipped material must be directed away from WRAs, used for soil stabilization, or transported offsite to the closest depository (as authorized by JCP&L) to the job site, unless directed otherwise by JCP&L personnel. Resulting wood (if any) is to be cut into manageable lengths and left on the ROW. Priority trees or other trees removed are to be limbed and left full length along the edge of the ROW and out of the WRA, where possible, or disposed of as property owner requests. While scattered slash, small brush piles for wildlife and use of thin layers of chips in the WRA is acceptable, chips/slash shall not be left in a manner that would smother or otherwise alter the pattern of vegetation in the WRA or would pose a risk of being carried into or down a watercourse.

#### **2.1.7 Watercourse Buffers**

Where the ROW crosses a watercourse, the clearing shall be done in such a way that a buffer of natural vegetation (lower growing shrubs) is left on each side of the watercourse. Vegetative maintenance within WRAs will not involve more than incidental removal of the root system of the plant or tilling of the soil, excavation or re-grading. This depth and height of this buffer will be contingent upon the size of the utility structures, present vertical clearance and property-owner requirements as JCP&L does not, in general, own these ROW. This practice shall also apply to lakes, ponds or in residential areas in which existing vegetation is used primarily to prevent or obstruct open vision along or across the ROW.

#### **2.1.8 Herbicide Use**

Herbicides are used by JCP&L as an effective tool in vegetative management. Common vegetation management practices of hand cutting and mechanical methods for removing vegetation from the ROW are supplemented by the use of herbicides providing for an Integrated Vegetation Management approach.

The chief benefit and objective of herbicide application is to selectively remove species that exhibit prolific re-sprouting and root suckering that typically follows mechanical removal as a mechanism to reduce the frequency and/or intensity of maintenance activities. Following mechanical or manual cutting, clusters of stems emerge from stumps and/or root systems and increase the stem density. These re-sprouts also grow in height vigorously. The re-sprouts can grow vigorously enough to encroach into the clear zone before the next regularly scheduled maintenance. Treating the stumps with an herbicide to target species reduces or eliminates the resprouting. Eliminating/reducing re-sprouting helps maintain the appropriate



vegetation heights between maintenance intervals.

Herbicides, and their selective method of application (i.e., selective foliar application with a water carrier or cut stump treatment) are used to minimize impact on the environment, particularly in WRAs. The earlier successional low-growing shrubs and grasses retained in the ROW will flourish and expand into dense stands of vegetation that naturally inhibit reestablishment of taller faster growing species. The elimination of undesirable species by foliar treatments encourage other shrub and herbaceous growth and slows the invasion of the unwanted species, which may eventually touch or fall on power lines causing interruption of electrical service.

As the preferred low growing shrub/herb community becomes dominant, future maintenance is reduced. A reduction in the maintenance activities provides the added environmental benefits of limiting disturbance to wildlife, reducing soil erosion and excessive compaction of soils from vehicular travel in the ROW. Repeated selective treatment of the ROW for removal of tall-growing species will result in a residual plant community of low-growing plant species that includes shrub species, ferns, herbaceous wildflowers, and grasses which inhibit regeneration of taller species by directly competing for sunlight, water and nutrients.

When herbicides are applied in WRAs, JCP&L's contractors will comply with NJDEP's Bureau of Pesticide Control, Aquatic Pesticide Permit Regulations found at N.J.A.C. 7:30-9. All herbicides shall be applied by an NJDEP licensed Applicator in accordance with the manufacture's label instructions and shall be applied in accordance to all state, local and federal laws governing the use of herbicides. Licensed Applicators will obtain Aquatic Use Permits from the NJDEP Bureau of Pesticide Control prior to spraying herbicides in wetlands and Flood Hazard Area Riparian Zones.

As part of the JCP&L's integrated vegetative management approach, selective herbicide treatments will be conducted on specifically targeted trees and brush. JCP&L may also use herbicides to treat/remove stands or invasive plant species within or adjacent to WRAs. Invasive species are those listed in Appendix 2 of NJDEP's February 2004 *Overview of Nonindigenous Plant Species in New Jersey*. Use of herbicides will occur in WRAs only following acquisition of regulatory approvals from the NJDEP and approvals from the required property owners.

All contractors must possess a business license to conduct herbicide treatment in the State of New Jersey. All applicators must be licensed through the New Jersey's Pesticide Control Program and possess a Category 5 License. All contractors must adhere to strict manufacturer requirements regarding mixing, treatment and the recycling or disposal of containers.

## **2.2 Right of Way Maintenance- Repair or Replacement of Structures**

Structures in the ROW include but are not limited to conductors, towers, poles, roads, and culverts. These maintenance practices apply to existing lawfully constructed existing structures.

JCP&L will minimize the disturbance of the land surface or soils that may occur when conducting unscheduled/scheduled structural maintenance work in WRAs. The goal will be to maintain the vegetation communities.

All disturbed areas, except those covered with stone or gravel will be provided with permanent vegetative cover in accordance with the standards for permanent vegetative cover provided in the *Standards for Soil Erosion and Sediment Control in New Jersey*.

Excess soil generated shall be removed from the WRA for appropriate disposal. Immediately following re-grading to pre-disturbance contours, the soils shall be stabilized temporarily with seed and mulch in accordance with the Soil Erosion and Sediment Control Plan approved for this project or as directed by JCP&L's Environmental Services. When conducting excavation or grading in areas mapped as containing acid producing geologic deposits by the NJDEP, JCP&L will adhere to the Acid Soil Management Practices provided in the *Standards for Soil Erosion and Sediment Control in New Jersey*

## **2.3 Operation of Heavy Equipment**

Use of heavy equipment (e.g. trucks, tractors, mowers, backhoes cranes etc) in WRAs shall be limited to the work area or work site and existing access roads to the extent practicable. Work in WRAs to re-conductor a line will be done to the maximum extent practical using existing roads and by pulling the conductors (attached to ropes) through the WRA from upland area outside the WRA. Conductors to be replaced shall also be removed in a similar fashion. Heavy equipment use, where necessary, shall be restricted to existing roads or by using tracked vehicles, or other high-flotation vehicles (Argo type UTV). Should other heavy equipment be needed, wood or synthetic mats (limited in duration at any one site up to five days or to the maximum extent practical) shall be used to minimize rutting and other WRA disturbances in accordance with Section 2.5 below. The following measures shall be followed for use of such heavy equipment in these sensitive areas:

- a) Care shall be taken to minimize disturbance to vegetation and creation of ruts or other soil disturbance;
- b) Vehicles shall be parked in work areas overnight, if possible, in order not to create any additional disturbance due to continued access to the worksite;
- c) Care should be taken to not allow discharge of fluids such as crankcase oil, gasoline, diesel fuel, etc., into or immediately adjacent to the WRA. **Absolutely no maintenance of contractor equipment or vehicles which would result in the potential release of hazardous materials will be permitted on the ROW.**

Contractors must remove all wastes from the ROW upon completion of the activity;

- d) Work activities should be scheduled to minimize the time period of vehicle use in these areas;

Implementation of these measures should, in most cases, eliminate the need for additional restoration measures in the WRAs. Should rutting or other soil disturbances occur, restoration as defined in Section 2.8 shall be performed following consultation with the JCP&L Environmental Services.

#### **2.4 Access Roads/Structure Work Areas**

Existing access roads may be maintained at their original/existing dimensions as documented on original construction plans, work orders, aerial photographs (taken prior to May 31, 2010) or similar sources of information. Where this documentation is not available or does not provide sufficient detail to determine the original dimensions, it will be assumed that the travel way of the road is between 8 and 10 feet in width and the travel surface is not greater than 6 inches above the height of the adjacent soil or water surface and constructed of a material capable of supporting anticipated loads. In all cases, existing access roads along a ROW or to the structure site(s) are to be maintained and used for access to the maximum extent possible. Reuse/restoration of existing access roads, regardless of condition is preferred over the construction of new roads. Construction of new access roads is not included in these maintenance practices.

If access roads are not available or are unusable, unless otherwise specifically permitted, temporary wood or synthetic mats or track/high flotation vehicles will be used to gain access to the work area. In general, access to the work site shall be the shortest practicable distance through the WRA. Routes through herbaceous or shrubby vegetation will generally be selected over routes through forested areas unless soil conditions in the areas containing the herbaceous/shrub vegetation cannot support the anticipated loads. Where practicable, rather than cutting vegetation prior to placing the mats, the mats will be placed in a manner to "fold" vegetation under the mat.

All new access routes to structure work areas for the maintenance activity within WRAs are temporary only. No new filling will be allowed unless permitted by the NJDEP. All temporary materials, including matting used to construct access roads and structure work areas within WRAs, shall be removed immediately following completion of their use. Immediately upon removal of the material, the restoration activities identified in Section 2.8 shall be implemented.

A stabilized construction entrance (utilization of crushed stone or wood mats) shall be installed wherever an access road intersects a paved public roadway. The width of the entrance shall not be less than the full width of ingress and egress. These entrances shall be of crushed stone generally 1 1/2" x 2 1/2" in size having a minimum thickness of 6 inches. These entrances shall be maintained in such a condition which will prevent tracking or flowing of sediment onto public road ROW.

## **2.5 Sediment Control**

The introduction of sediments into water bodies or streams shall be avoided to the maximum extent practicable. Where necessary, hay bales or filter fabric shall be deployed to trap sediment from ground water pumped from structure foundation excavations and holes. Silt fences shall be used where large areas of ground disturbance are necessary or as required under site specific county Soil Conservation District (SCD) approval. Placement of the filter fabric fence shall be at the border between the work area and the undisturbed areas. Project site will be frequently inspected by project managers or JCP&L Environmental staff to monitor implementation of BMPs for erosion control. Any damaged or missing control features should be expeditiously replaced upon discovery. As noted above, crushed stone will be utilized at access points to minimize the tracking of soil.

## **2.6 Channel Flow**

At no time shall the flow of any regulated watercourse be impeded in any way during field operations. The root balls of trees and shrubs adjacent to the channel shall be left in place. Existing culverts/bridges shall be kept reasonably free of obstructions (excluding beaver dams) and replaced in kind when required. Work in regulated watercourses shall adhere to all required seasonal restrictions and where practicable during low flow periods. JCP&L will use temporary bridges or mats to cross regulated water courses where existing access roads are absent.

In cases where an existing access road crosses a regulated watercourse and there is no existing culvert/bridge, JCP&L may create a stabilized crossing (ford) constructed of clean stone to avoid rutting of the channel and to minimize the introduction of sediment to the watercourse. Fords shall not be used where the depth of the watercourse (as measured from the top of bank to the bottom of the undisturbed channel) exceeds 3 feet or the depth of the water over the ford would exceed 10 inches during the period of use. In no case will the ford raise the channel bottom above that of the undisturbed channel. For crossing of larger watercourses JCP&L will use a temporary bridge to span the watercourse.

## **2.7 Restoration**

Following the removal of temporary material at the structure work areas or from temporary access roads in WRAs, a three-stage restoration program shall be employed. Simply, the stages consist of grading and stabilization, planting, and monitoring.

Re-establishment of pre-activity grades and stabilization of all disturbed WRAs will be conducted immediately after the removal of the matting or track vehicle either by JCP&L or by contractors retained to complete the maintenance activity. All disturbed WRAs, with the exception of water-covered areas, will be first restored to pre-disturbance contours. All disturbed areas will be provided with a permanent vegetative cover in accordance with the standards for permanent vegetative cover provided in the *Standards for Soil Erosion and Sediment Control in New Jersey*, and a project specific Soil Erosion and Sediment Control

Plan approved by the local SCD, or as directed by the JCP&L Environmental Services. Should these restoration activities occur during inappropriate seasons for seeding (i.e., November through February), they will be stabilized with mulch in accordance with the standards for mulch only temporary stabilization provided in the *Standards for Soil Erosion and Sediment Control in New Jersey*. Such areas shall be provided with permanent vegetative cover (i.e., seed and new mulch applied) at the next appropriate growing season. All soil erosion and sediment control measures installed prior to WRA soil disturbances will be maintained until stabilization is accomplished.

For most disturbances, such as track vehicles driving over herbaceous species or through shrubby areas, additional supplemental plantings should not be necessary. Supplemental planting will generally not be required upon removal of mats given their short period of deployment unless follow-up JCP&L site inspections dictate otherwise. Additional supplemental planting will be provided in cases where initial seeding fails (less than 85% cover after the first full growing season).

Monitoring of restored minor disturbances will be conducted as part of JCP&L's normal inspection of the ROW. However, each project will be evaluated on a case-by-case basis and a summary of any special monitoring considerations will be prepared by JCP&L's Environmental Services.

## **2.8 Permit Conditions**

General and specific permit conditions are typically attached to each NJDEP Land Use permit whether for structural or vegetative maintenance. These conditions must be strictly adhered to.





## **APPENDIX A-1**

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### **JCP&L Vegetative Maintenance Program Distribution Specifications**





# VEGETATION MANAGEMENT DISTRIBUTION SPECIFICATIONS

## OPERATING COMPANIES

The Illuminating Company  
Jersey Central Power & Light  
Metropolitan Edison  
Monongahela Power  
Ohio Edison  
Penelec  
Penn Power  
Potomac Edison  
Toledo Edison  
West Penn Power



Revision 2016



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## **1 SCOPE**

### **1.1 Objective**

The objective of all work covered by this FirstEnergy Vegetation Management Specification is to maintain safe, reliable and economical electric service through effective line clearance and satisfactory public relations.

### **1.2 Scope of Services**

The electric distribution facilities shall be free of all vegetative obstructions, which interfere or may interfere with the construction, operation, maintenance, and repair of the electric facilities. The Contractors' work is described in detail and shall be completed in conformance with these specifications and all other provisions of the contract documents.

### **1.3 General Policy Statement**

This specification will be performed under the direct supervision of the contracting agency or its authorized representatives. FirstEnergy, at its sole discretion, may make changes altering, adding-to, or reducing the extent of the work. Such changes shall be initiated by written order of FirstEnergy, and the Contractor shall submit the proposed cost or credit to FirstEnergy for any changes in the work within 15 working days after the receipt of the written order for FirstEnergy's approval. Such changes to the work shall not proceed without FirstEnergy's approval.

The Contractor shall furnish competent supervision as required and may designate a Supervisor as the Contractor's representative in all matters relating to the work to be performed. The Contractor shall have full responsibility for the work and good conduct of its employees. Directions and instructions shall be given to such employees by the Contractor Supervisor or its representatives and in no circumstances by FirstEnergy or its representatives. Every crew will be given a copy of this specification document before starting work on any projects. The Contractor Supervisor will review these specifications with every crew member prior to starting any work on any projects and provide documentation that the review was completed.

## **2 SAFETY**

### **2.1 Contractor Safety Guide**

Contractors are responsible for their own safety. Each Contractor must have a written safety program and must follow it while performing work for FirstEnergy. Each Contractor must follow all of the requirements of the **Energy Delivery Contractor Safety Guide**. This Safety Guide takes precedence over the Contractor's written safety program in any area where there may be a conflict, unless negotiated differently. Any conflicts between this guide and the Contractor's own written program must be brought to the attention of FirstEnergy.



## **2.2 Incident Reporting**

In case of a power line flash, line contact, interruption or damage; the contractor shall immediately notify the Distribution Control Center (DCC) and the Operating Company Forestry Management staff immediately thereafter. In addition, the Contractor shall make every reasonable effort to safeguard their employees, the public, and prevent further property damage.

The Contractor will immediately notify the Operating Company Forestry Manager or designated representative (in the Operating Company where incident occurs) of any occupational injury or illness, employee exposure to hazardous substances, vehicle accidents, property damage, fires, environmental spills or releases, or “near misses.”

The Contractor will provide a written incident report, using the Contractor Caused Outage Form if directed to do so by an authorized FirstEnergy representative, to the Operating Company Forestry Manager or designated representative within 24 hours of any such occurrence. FirstEnergy Operating Companies reserve the right to review the Contractor’s incident investigation and/or perform their own investigation for the sole purpose of verifying facts, protecting FirstEnergy personnel and property, and limiting FirstEnergy liability.

## **2.3 Traffic Control**

The Contractor shall follow all appropriate Federal, State and Local traffic control laws and procedures while performing any work under this Specification. The Contractor shall provide safe and effective work areas and warn, control, protect and expedite vehicular and pedestrian traffic.

## **2.4 Guards and Protective Devices**

The Contractor shall provide and keep the necessary guards and protective devices at locations where work is being performed to prevent accidents to the public or damage to the property of FirstEnergy or the public.

## **2.5 Safety Precautions and Protection to Property**

The Contractor shall plan and conduct the work to adequately safeguard all persons and property from injury. The Contractor shall take the necessary precautions to render the work secure in order to decrease the probability of accident from any cause and to avoid delay in completion of work.

The Contractor shall use proper safety appliances and provide first aid treatment and ambulance for emergency treatment of injuries and shall comply with all applicable Federal, State and Local laws, rules and regulations with regard to the safe performance of the work.

### **3 DISTRIBUTION VOLTAGE (<69KV) IMMINENT THREAT PROCEDURE**

The Contractor shall notify the Operating Company Forestry Management staff and Contractor Supervision immediately upon becoming aware of vegetation conditions that present an imminent threat of outage to the electric distribution facilities. The Contractor is to establish a work zone perimeter to protect the public and remain in a safe position at the site of the condition while a course of action is decided.

### **4 CONTRACTORS' EMPLOYEES**

#### **4.1 Contractor Employee Staffing**

The Contractor shall keep and be able to provide to FirstEnergy a list of all employees working on FirstEnergy property including:

- Name
- Classification
- Home phone number
- Cell Phone number, if available

It shall be the Contractor's responsibility to determine the physical requirements, skill sets, experience and training necessary for their employees to satisfy contract requirements and safely perform the work. Contractor personnel shall be properly trained to perform the work proficiently and safely to comply with all applicable laws, regulations and local ordinances. The Contractor shall secure all regulatory required licenses and certifications, which shall be auditable by FirstEnergy. When projects have begun, there will be sufficient personnel and equipment working on that project to maintain a presence at all times until the job is completed unless otherwise approved by the FirstEnergy representative.

#### **4.2 Identification of Contractors' Employees and Equipment**

All Contractor personnel shall have photo identification that includes the employee name, company, and the Contractor's office telephone number. All vehicles utilized for work under this Specification shall be clearly marked with the Contractor's name or logo.

#### **4.3 Appearance of Contractors' Employees and Equipment**

It shall be the Contractor's responsibility to provide employees which are neat and orderly. Contractor's equipment shall be maintained in a safe, clean, and satisfactory working condition to keep downtime to a minimum. Time charging shall cease for any labor and/or equipment that becomes unproductive by incapacitated equipment. Time charging will resume when equipment is restored to its normal operating condition.

#### **4.4 Replacement of Contractor Employees**

The Contractor shall employ personnel qualified to perform the work. If a FirstEnergy

representative determines the Contractor's employee to be unsatisfactory, the Contractor shall remove and replace this employee immediately.

## **5 EMERGENCY WORK**

### **5.1 Emergency Work**

Throughout the term of the contract, it may become necessary for the Contractor to assist FirstEnergy in providing emergency tree clearing services. The Contractor shall provide telephone numbers of emergency response personnel, in order to be reached on a 24-hour basis.

### **5.2 Emergency Call Out**

In the event of an emergency, including but not limited to a storm, FirstEnergy shall have the right to direct the Contractor to relocate crews working in the system to areas where they are needed because of the emergency. FirstEnergy's Manager of Distribution Vegetation Management Oversight must approve all requests for tree crews to be released to another utility for storm work, or any other reason, prior to relocating any crews. When severe winds, ice storms, or other conditions that may require emergency assistance arise, the Contractor shall provide all necessary labor and equipment to reporting location within 45 minutes of receiving the call-out request from FirstEnergy. Charges for call-out work will begin when the crew reports to their reporting location and will end when the crew is advised that FirstEnergy no longer requires work and they return to their reporting location. The Contractor shall maintain equipment, materials, and supplies in preparedness for storm or emergency work and provide emergency assistance in the manner as set forth by FirstEnergy.

In the event of a large scale weather event that requires the sharing of tree crews between Operating Companies, FirstEnergy will implement the Resources on Demand (RoD) process. Contractors will follow the FirstEnergy On-System Storm Response Policy and the RoD Storm Roster Process.

## **6 COMMUNICATION BETWEEN CONTRACTOR AND UTILITY**

All Contractor Supervision shall maintain a mobile communication system and provide the necessary information that will enable the FirstEnergy representative to contact them regarding both routine and emergency issues. This system shall be capable of both transmitting and receiving communications.

## **7 CONTRACTOR COMPLIANCE**

The Contractor shall review assigned work in progress to ensure compliance with clearance requirements, work standards, planned work procedures, and efficient utilization of personnel, equipment, tools and material. The Contractor shall adhere to the requirements and intent of this Specification which requires that the necessary forms and reports are properly prepared and

processed.

## **8 CLAIM PROCESS**

The Contractor shall make every effort to contact the customer within one (1) business day after notification by FirstEnergy. FirstEnergy will fill out a Property Owner Claim and Settlement Form 1014 and provide the claim information so the Contractor can communicate with the property owner. The Contractor shall make every effort to satisfactorily settle, within a reasonable time, any loss, damage, or liability after it arises or occurs for which the Contractor is responsible under this Specification. The Contractor shall submit a written report of the claim on the Form 1014 to FirstEnergy within one (1) week of settlement or as directed to do so by a FirstEnergy representative. Additional settlement details shall be submitted along with Form 1014.

## **9 CONTRACTOR RESPONSIBILITIES**

The Contractor will be billed by FirstEnergy for any unplanned outages or damages resulting from the Contractor's actions, including the cost incurred by FirstEnergy to repair facilities that are damaged by the Contractor's negligent action. In the event that damage occurs in the course of the work, the Contractor shall, at its own expense, restore any of all such damaged property immediately to as good a state as before such damage occurred. The Contractor shall report the outcome to FirstEnergy as directed to do so by a FirstEnergy representative.

## **10 RIGHT OF WAY (ROW) CHARACTERISTICS AND CONDITIONS REPORTING**

In daily work activities, when a potential area of interest containing a suspected condition that may threaten public safety or reliability is encountered, the condition should be reported immediately to the FirstEnergy Forestry Office and noted in the comment section of the Weekly Timesheet form 400.1.

Examples of ROW Characteristics and Conditions include:

- Damaged electrical equipment such as broken crossarms, broken insulators, loose guy wires, leaking transformer, or unsafe electrical conditions, etc.

## **11 RECORDKEEPING**

### **11.1 Timesheets**

The Contractor is required to complete Weekly Timesheet form 400.1 according to the instructions supplied by FirstEnergy. Timesheets are completed for all work completed during the previous week using correct timesheet activity codes. The Contractor, General Foreman, and/or Supervisor will collect the weekly timesheets from their assigned crews and review them for accuracy. Timesheets are then submitted with a Work Area Crew Summary Form 383. The timesheets are required to be submitted to the designated FirstEnergy Forestry Office no later than the following Tuesday morning of the week ending date.

Timesheets are also required to be entered into Vegetation Management System (VGMS) by 5:00 PM on the Wednesday following the week ending date.

### **11.2 Crew Locations**

Work locations of all crews must be documented on the Tree Crew Locations Spreadsheet and reported via e-mail to the FirstEnergy Forestry designated representative by 8:00 AM the first workday of each week. If crew locations change, the Contractor must directly notify the FirstEnergy designated representative each day by phone, unless otherwise directed by an authorized FirstEnergy representative.

## **12 LANDOWNER NOTIFICATIONS**

Unless otherwise required by State or Local requirements; Contractors shall make reasonable attempts to notify all landowners, municipalities, government agencies or others who have jurisdiction prior to doing work except where FirstEnergy furnishes notification information, secured by a third party or FirstEnergy personnel, to the Contractor in writing. **Outage situations or emergency restorations do not require prior notification.** Upon request, the Contractor will provide proof of notification for tree pruning, removal and/or application of a FirstEnergy approved herbicide to brush or trees that interfere, or could interfere, with conductors.

## **13 WORK REFUSALS AND SCHEDULED OUTAGES**

### **13.1 Work Refusal**

When work is refused or a property owner attempts to impose work limits in such a manner as to not allow prescribed clearances in accordance with this Specification, the Contractor shall notify FirstEnergy in writing within one (1) week of documenting the refusal using the work refusal form 418.

FirstEnergy will inspect all herbicide and work refusals within **30 days** of receipt of the refusal form and assign a work prescription. FirstEnergy will attempt to resolve work refusals within 60 days or before the Contractor relocates to another area (greater than 15 miles from refusal location). When work refusals are not resolved within 60 days or before the Contractor relocates to another area (greater than 15 miles from refusal location) only travel time to complete refusal work will be paid on a time and material basis (for firm price contracts).

When a property owner refuses to allow proposed herbicide application, the Contractor shall notify FirstEnergy promptly in writing. If a landowner is only refusing herbicide and the refusal is not resolved prior to the Contractor relocating to another area (greater than 15 miles from refusal location), the Contractor will hand cut/mow all incompatible vegetation unless otherwise directed in writing by FirstEnergy.

### **13.2 Skips**

When a Contractor intentionally skips an area, the Contractor involved must promptly provide to FirstEnergy the reason(s) for skipping the area.

### **13.3 Scheduled Outage**

When it is necessary to interrupt electric service due to the hazardous condition of the vegetation, the Contractor shall notify FirstEnergy promptly in writing. FirstEnergy will attempt to schedule the interruption within 30 days or before the Contractor relocates to another area (greater than 15 miles from the scheduled outage location). When the interruption of electric service is not scheduled within 30 days or before the Contractor relocates to another area (greater than 15 miles from the scheduled outage location) only travel time to complete the work will be paid on a Time and Material basis (for fixed price contracts).

## **14 SCHEDULING AND PROGRESSION OF WORK**

### **14.1 Scheduling of Work**

The Contractor shall schedule all assigned work, coordinate labor, equipment, tools and material required for efficient and timely completion. The scheduling of all projects is the Contractor's responsibility except in cases of critical need as determined by FirstEnergy. FirstEnergy may, at its discretion, require that specific sites be completed in order to maintain service reliability. The Contractor shall submit to the Forestry Manager, in writing, their work plan for projects to exceed Fifty Thousand Dollars (\$50,000) before work is begun. The plan shall include periodic implementation and completion targets.

### **14.2 Progression of Work**

The Contractor shall work progressively along the main circuit feeder from the substation and shall complete all work as it is encountered before moving to another portion of the circuit or starting work on another circuit, unless otherwise approved by a FirstEnergy representative.

## **15 TRANSMISSION WITH DISTRIBUTION UNDERBUILD**

Transmission with distribution underbuild is defined as primary distribution voltage attached to transmission poles. FirstEnergy Transmission Vegetation Management will maintain the transmission facilities on a 4- or 5-year TVM cycle. An inspection of the distribution facility will be performed and if work is required Distribution Forestry will be notified. If a tree is pruned for transmission facilities with distribution underbuild the TVM Contractor will also prune to meet the distribution specification.

If a tree is pruned by a Distribution Contractor for distribution facilities with transmission overbuild, it shall also be pruned to meet the transmission specifications.

<b>Table 1: Transmission Clearance</b>	
<b>Voltage</b>	<b>Required Clearance</b>
69kV	Shall be cleared 15' or greater from conductor
115 – 138kV	Shall be cleared 25' or greater from conductor
200kV and Above	Shall be cleared 30' or greater from conductor

Distribution underbuild will be maintained with the distribution facilities on a 4- or 5-year Vegetation Management cycle. A visual inspection of the transmission facility will be performed. Upon discovery of a condition that requires immediate attention, if the condition can be safely addressed, take action to remedy the condition and notify the Specialist to inform FirstEnergy Transmission Vegetation Management (TVM) of condition discovered and actions taken.

## **16 TRANSMISSION AND DISTRIBUTION ON A COMMON CORRIDOR**

All vegetation management for the transmission facilities will be performed on the TVM cycle. In cases where distribution facilities are located on the transmission corridor, incompatible brush on the floor of the transmission corridor (big tree edge to big tree edge) will be controlled by TVM on the maintenance cycle. All other vegetation activities for distribution facilities within the transmission corridor will be performed on the Distribution cycle.

## **17 SUB-TRANSMISSION VOLTAGE CLEARANCE REQUIREMENTS**

FirstEnergy operates Sub transmission voltages from 19.9kv up to but not including 69kv.

### **17.1 Pruning Methods**

Strive to remove incompatible vegetation. In cases where incompatible vegetation cannot be removed or chemically controlled, vegetation shall be pruned following directional pruning methods and as further defined in the current ANSI 300 Standards and Amendments.

### **17.2 Right-of-Way**

The sub-transmission corridor width will be identified, and its information given to the Contractor prior to commencement of corridor maintenance activities. The minimum corridor will be measured at a distance of fifteen feet (15') on either side of the pole line or to the established large tree edge, whichever is greater in width.

### **17.3 Clearances**

All vegetation management activities shall be performed in such a manner as to achieve a minimum fifteen feet (15') or five (5) years of clearance from FirstEnergy Sub-transmission voltage conductors based on tree species and growing conditions.



#### **17.4 Overhanging Limbs**

All vegetation overhanging the sub-transmission corridor shall be pruned back to the main stem.

#### **17.5 Clarifications for New Jersey 34.5kv**

In New Jersey, where 34.5kv facilities are within the Transmission Corridor, the entire Corridor will be managed on the TVM cycle.

In New Jersey, 34.5kV off road corridors, not on common corridor with transmission, all incompatible vegetation overhanging the clearing zone corridor shall be pruned back to the main stem. If a tree cannot be pruned properly, then the tree should be removed.

For 34.5kV cable construction in New Jersey, vegetation shall be pruned to provide a minimum of five (5) feet of clearance from the cable or equipment. Any growth within five (5) feet should be pruned back to the main stem. If the tree cannot be pruned in this manner it should be removed.

### **18 DISTRIBUTION CLEARING ZONE**

The Distribution Clearing Zone is a corridor measured at a distance of fifteen (15) feet on either side of the pole line or to the established large tree edge. The corridor is measured vertically to fifteen (15) feet above the highest conductor attached to the pole or structure. Emphasis shall be placed on managing all incompatible vegetation within this zone.

### **19 DISTRIBUTION PRIMARY VOLTAGE CLEARANCE REQUIREMENTS**

Primary conductors reside between the Distribution Substation and a Distribution Transformer.

#### **19.1 Pruning Methods**

Strive to remove incompatible vegetation. In cases where incompatible vegetation is not removed or chemically controlled, vegetation shall be pruned following directional pruning methods and as further defined in the current ANSI 300 Standards and Amendments.

#### **19.2 Clearances**

All vegetation management activities shall be performed in such a manner as to achieve a minimum of cycle length clearance from FirstEnergy primary conductors based on tree species and growing conditions. Cycle length for Potomac Edison, Mon Power, Metropolitan Edison, Penelec, Penn Power, and West Penn Power is five (5) years. Cycle length for Cleveland Electric Illuminating, Jersey Central Power and Light, Ohio Edison, and Toledo Edison is four (4) years. In cases where cycle length clearance is unattainable, twelve (12) feet of clearance shall be achieved.

### **19.3 Overhanging Limbs**

Incompatible vegetation overhang in the Distribution Clearing Zone shall be pruned back to the main stem. Incompatible vegetation overhang above the Distribution Clearing Zone shall be addressed if specified by Operating Company Forestry. In all cases, when pruning for overhang clearance, dead or structurally weak limbs which could fall or blow into the conductors shall be removed.

### **19.4 Priority Trees**

Priority trees are defined as tree(s) located adjacent to the Distribution Clearing Zone that are either dead, diseased, declining, structurally compromised, severely leaning, or significantly encroaching onto the Clearing Zone. These trees shall be maintained as directed by an authorized FirstEnergy representative.

### **19.5 Structures with Fuses or Disconnects Attached**

Regardless of tree species, when performing cycle maintenance, structures with fuses or disconnects must have all woody vegetation cleared with an eight (8) foot radius of the fuse/disconnect side of the structure (unless otherwise directed by a FirstEnergy representative).

### **19.6 Multiple Circuits on Same Structure**

When pruning for an individual tree on an assigned circuit, the Contractor must clear for all circuits on the same structure. Extent of clearance after work is completed shall be dictated by the highest voltage present and type of construction.

## **20 DISTRIBUTION SECONDARY VOLTAGE CLEARANCE REQUIREMENTS**

Secondary conductors reside between the transformer pole and the final pole on the line. Service conductors reside from the final pole on the line to the customer's attachment.

### **20.1 Pruning Methods**

In cases where incompatible vegetation is not removed or chemically controlled, vegetation shall be pruned following directional pruning methods and as further defined in the current ANSI 300 Standards and Amendments.

### **20.2 Open Wire Secondary Conductors**

Branches that are contacting bare Open Wire secondary conductors are to be pruned to achieve four (4) feet of clearance or eliminate mechanical strain, displacement, or abrasion of the conductor. Parent branches and the main tree trunk may remain, providing that the branches and the tree are not mechanically straining, displacing, or in direct contact with the conductors.

### **20.3 Triplex Secondary Conductors**

Branches that are contacting triplex secondary conductors are to be pruned to eliminate mechanical strain, displacement, or abrasion of the conductor. Parent branches and the main tree trunk may remain, providing that the branches and the tree are not mechanically straining, displacing, or in direct contact with the conductors.

### **20.4 Open Wire and Triplex Services**

Branches that are contacting Open Wire and triplex services that are creating mechanical strain, displacement, or abrasion shall be pruned to eliminate the strain, displacement, or abrasion of the conductor. Large limbs in excess of 3-inches in diameter that are contacting the conductor and creating mechanical strain, displacement or abrasion shall be reported in writing to the FirstEnergy representative.

### **20.5 Street Light Wire and Luminaries**

*This work is only required as directed by an authorized FirstEnergy Representative.* When required, branches contacting street light wires shall be pruned to provide at least one (1) foot of clearance. The clearing zone for streetlight luminaries extends five (5) feet from, and 360° around the luminary horizontally. The area below the luminary shall be cleared in the manner of a cone with 45° sides.

## **21 VEGETATION MANAGEMENT METHODS**

### **21.1 Tree Pruning**

All pruning shall be done in accordance with modern arboriculture standards using the current ANSI 300 Standards and Amendments. Directional pruning is the preferred method of line clearance pruning. Whenever possible, the Contractor shall obtain clearance in this manner. Pruning cuts are to be made back to the main stem or to a lateral branch which is at least one third (1/3) the diameter of the portion being removed. Limbs shall not be stubbed off at the edge of the distribution corridor. Pruning shall be done in a manner that will promote growth away from the power lines.

A minimum number of cuts shall be utilized to achieve required clearances. Where practical, cuts should be primarily restricted to large diameter branches, made well within the crown. Shaping through the use of small diameter branches in the outer crown shall be avoided. Cuts are to be made outside the branch bark ridge leaving no stub. Precautions shall be taken to avoid stripping or tearing of bark when cutting limbs. All severed twigs, branches and limbs shall be removed from pruned trees.

The practices known as “shearing,” “stubbing,” “pollarding,” or “rounding over” shall be avoided. Exceptions to drop crotch and directional pruning techniques shall be used only when indicated as being acceptable by the FirstEnergy representative. Pruning performed by mechanical means (i.e. by mechanical pruning equipment or helicopter saw) must be pre-approved by FirstEnergy.

## **21.2 Tree Removal**

A woody plant six (6) inches in diameter at four and one-half (4.5) feet above the ground will be considered a tree for purposes of recording. All growths less than this measurement will be considered brush. Multiple trunks originating from the same common root crown that split below DBH and are six (6) inches or greater shall be counted as separate trees.

Trees that are expected to be removed or controlled are:

- Incompatible trees located within the clearing zone or corridor
- Dead or defective which pose a threat to the conductor
- Immature trees, generally classified as brush
- All priority trees located adjacent to the clearing zone corridor

All trees removed shall be cut as low as practical, no higher than three (3) inches from and parallel-to the ground line except where other treatment is designated by mutual agreement with property owners or public authorities. All live stumps (except conifers) shall be treated with a FirstEnergy approved herbicide.

Trees that are not to be removed are:

- Trees that affect only a service drop or secondary lines
- Trees that will not affect FirstEnergy facilities
- Trees that if removed only benefit street light illumination

## **21.3 Brush Removal**

Brush that is interfering with the conductor or may grow to such height that will interfere with the conductor shall be removed and/or treated with an herbicide. The Contractor shall remove all incompatible brush and shall not prune brush. All brush removals shall be cut as low as practical, no higher than three (3) inches from and parallel to the ground line.

Mowing of brush in the clearing zone or corridor may be utilized, at times, for sites where vegetation heights and densities exceed requirements for other vegetation management methods or in cases where there are landowner herbicide refusals. Mowing of brush on the clearing zone corridor by use of a mechanical brush cutter is only permitted with prior authorization of an authorized FirstEnergy representative.

Mowing shall be performed as specified by FirstEnergy. Mowing may be required on company-owned properties that are subject to local maintenance ordinances.

## **21.4 Herbicide Brush Control**

The Contractor shall use the proper and appropriate herbicide treatment in accordance with the FirstEnergy Guide to Vegetation Control with Herbicides.

- FirstEnergy expects the control of all incompatible vegetation that is less than six (6) inches in diameter within the clearing zone or corridor, including all fence rows

and pole bases, with herbicides to achieve a minimum of 95% control 16 months after application.

- The vegetation treated shall not exceed an average height of twelve (12) feet, unless otherwise directed by a FirstEnergy representative.
- If herbicides cannot be applied, methods such as mowing and hand cutting should be used to affect all incompatible vegetation within the clearing zone or corridor including all fence rows and tower centers.
- In cases where the use of herbicide is limited, FirstEnergy expects incompatible vegetation on the corridor to be controlled, with the cut surface treatment being the minimum chosen treatment.
- In cases where a landowner will not allow at least the minimum treatment, the Contractor will consider this a refusal and provide the required refusal information on the Form 418 to the FirstEnergy representative.
- The initial herbicide treatments shall be completed using the best management practices as defined in the FirstEnergy Guide to Vegetation Control with Herbicides.
- It shall be the responsibility of the Contractor to inspect the treated Distribution clearing zone corridor within one month of treatment and re-treat those areas which have received incomplete application. Documentation will be required showing inspection dates, inspector name, treatment dates, and re-inspection dates.
- The herbicide treatment and Inspection process shall be followed unless otherwise directed by an authorized FirstEnergy representative.
- The year following the initial herbicide treatment FirstEnergy will perform an inspection. An authorized FirstEnergy representative will determine the necessity for re-treatment. The general criteria for re-treatment of brush are reduction of brush density and reduction in average height of brush. The Contractor shall achieve a minimum of 95% control in each span on the entire distribution clearing zone corridor one growing season after application.
- Any additional herbicide work identified during the inspection must be completed within 30 days, by the method deemed most effective and prescribed by FirstEnergy personnel.
- All areas left untreated by the Contractor or that do not pass inspection shall be done at no additional cost to FirstEnergy.
- The Inspection process shall be followed unless otherwise directed by an authorized FirstEnergy representative.

### **21.5 Acceptable Methods of Brush Disposal**

Acceptable methods of brush disposal include:

- Lop and scatter brush outside of clearing zone
- Mechanically mulch brush
- Windrow brush at edge of clearing zone not to exceed four (4) feet in height with openings at no more than one hundred (100) foot intervals
- Chip brush – when possible blow chips onto corridor
- Burn brush away from clearing zone

## **21.6 Herbicide Applicator Qualifications**

The Contractor shall meet the following requirements when applying herbicides:

- Hold a current and appropriate pesticide application license from the appropriate State Department of Agriculture or its approved equivalent.
- Conform to all Federal, State and Local laws governing herbicide usage.
- All herbicides shall be applied by the Contractor in accordance with the manufacturer's label instructions.
- Herbicide applications are to be made in a manner assuring restriction of applied material to the target.

## **22 SPECIAL CONDITIONS**

When tree houses are observed in trees that require work for distribution facilities, the Contractor shall contact the property owner, explain the hazard, and offer to remove the tree house. If consent is given, the Contractor shall remove the tree house at that time. If the property owner refuses to allow the Contractor to remove the tree house, the Contractor shall notify the FirstEnergy representative by phone and promptly in writing, giving property owner's name, address, phone number and reason for refusal. A copy of the written notice is to be sent to:

Corporate Claims Department  
76 South Main Street, Akron, OH 44308

Trees that are near conductors and show signs of being climbed or being used in children's play require special attention. The Contractor observing this situation shall contact the property owner, explain the hazard, and offer to remove the tree. If the property owner consents to having the tree removed, it should be removed immediately. If the property owner refuses to allow the tree to be removed, the Contractor shall notify the FirstEnergy representative by phone. The Contractor is also to notify the FirstEnergy representative promptly in writing, giving property owner's name, address, phone number, and reason for refusal. A copy of the written notice is to be sent to:

Corporate Claims Department  
76 South Main Street, Akron, OH 44308

Down and span guys are to be freed of weight, strain or displacement because of pressure caused by contact with tree parts, particularly from fast growing trees.

All brush and trees shall be cleared away from all structures at the ground line to a distance of three (3) feet, unless otherwise specified by FirstEnergy.

Vines growing on poles, towers and guy wires will be cut at the ground line and as high as can be safely reached from the ground. Stumps of vines will be treated using an approved cut surface treatment. Notification to the property owner shall be given prior to removing cultivated vines. All noxious vines growing on poles, towers, and guys are to be treated with an appropriate herbicide. If vines are entwined in electrical equipment, FirstEnergy shall be notified.

Communication conductors owned by FirstEnergy shall be maintained to the same clearance as secondary voltages, or as directed by the designated FirstEnergy representative. Allowance shall be made for wire sag and blowout due to extreme weather conditions and high winds.

Antennas, their supports, or other objects attached to or in a tree such that their placement or maintenance has or would cause someone to be in close proximity to the conductor are to be reported promptly in writing to FirstEnergy.

## **23 DEBRIS AND WOOD DISPOSAL**

The Contractor shall satisfactorily dispose of all tree parts that are pruned or removed in a manner that is acceptable to the landowner and FirstEnergy. Accepted FirstEnergy methods of disposal include windrowing, chipping, lopping and stacking. Lopping must be below knee height. Logs may be left at full length.

Brush and logs must not be left in any waterway. Debris from a clearing zone corridor that is adjacent to a road shall be kept on the edge of the clearing zone corridor away from the edge of the road.

In maintained lawn areas, the Contractor shall leave the wood that is too large to be chipped in handling lengths for the property owner to cut into final firewood lengths. The Contractor shall communicate this to the property owner at the time of notification. The Contractor shall document this notification as directed by FirstEnergy.

Debris that is generated from emergency work, where tree clearing is required, is to be left in a reasonably safe manner. Under these conditions an Emergency Work Door Card-Form 441 is to be left for the property owner. In situations that require debris generated by emergency work be cleaned up, the work shall be done at the direction of FirstEnergy.

## **24 WORK APPEARANCE UPON COMPLETION OF WORK**

Work sites shall be left in a condition equal to that which existed prior to the commencement of the Contractor's operations. All Contractor generated trash, including empty drinking cups, lunch papers, oil containers, cigarette butts, etc. must be properly disposed of and not left on site.

## **25 CLEARING NEW CLEARANCE ZONE CORRIDORS**

On new construction, the clearance zone corridor shall be cleared to the width and under the conditions as stated on the detailed property and provision list furnished by FirstEnergy, or as otherwise instructed by FirstEnergy.

All incompatible trees and brush located on the new clearing zone corridor and those adjacent to the clearing zone corridor shall be removed as determined by FirstEnergy. Trees, brushwood, and slash shall be placed or disposed of as designated by the detailed property and provision list or specified by FirstEnergy. Designated trees are to be left in lengths as long as possible, parallel to and along the edge of the clearing zone corridor and separated from other piles or windrows.



Slash and brushwood generated from the clearing operation shall be placed in piles or windrows along the edge of the corridor and separated from other piles unless otherwise specified by FirstEnergy. Any disposal of such brush, wood, slash, logs or trees shall be in accordance with the laws and regulations of the appropriate governing authority.

## **26 WORK INSPECTION PROCESS**

FirstEnergy has the responsibility for inspecting and approving work performed under this Specification. The exercise of this responsibility by FirstEnergy shall not lessen or relieve the Contractor from responsibility under this agreement. The purpose of this inspection is to ensure Specification compliance. FirstEnergy will inspect and approve all planned work performed by the Contractor to ensure compliance with this Specification.

The Contractor is required to review the work to ensure compliance with this specification as defined prior to indicating work is completed and ready for inspection before submitting a Work Inspection Form 1051. The FirstEnergy Specialist is responsible for inspecting 100% of all completed work and will provide the Contractor location(s) that did not pass inspection on the Form 1051.

FirstEnergy will inspect and communicate findings to the Contractor, within thirty (30) days of receiving notification that work is completed. The Contractor will return to the location(s) that did not pass inspection and re-work.

Any work not done to FirstEnergy's satisfaction and acceptance shall be redone by the Contractor at no additional cost to FirstEnergy. All re-work done at the Contractor's expense shall not be counted as work units. The Contractor shall complete all rework within thirty (30) days of receiving a Work Inspection Report Form 1051 and/or map from the FirstEnergy representative. A penalty may be assessed for re-work that is not completed within thirty (30) days of receiving notice from FirstEnergy.

If more than two (2) inspections are required for a location, the Contractor will then be billed for FirstEnergy inspector's time and vehicle mileage for additional trips to the same worksite. Signatures on the Form 1051 certify that all of the work covered by the Form 1051 meets this Specification. The final work verification is entered into VGMS to document that the maintenance work was completed according to this Specification.

FirstEnergy utilizes a time sheet verification process on the Timesheet Verification Form 401 designed to assess and verify that the work done in the field matches what is being reported to FirstEnergy.

## **27 CONTRACTOR OVERSIGHT**

To ensure the Contractors' understanding and actual knowledge of this Specification, periodic field observation audits may be conducted by FirstEnergy or its representatives. The field observation findings will be documented and results will be communicated to the Contractor. Field observation audits may be performed at any time throughout the course of work being performed

including pre-work, during work and post work. Periodic field observation audits may be performed on specific requirements such as work planning, tree and herbicide crew visits, and Contractor management.

FirstEnergy utilizes a scorecard system to ensure consistent monitoring of measurable program components.

## **28 SUPERVISOR RESPONSIBILITIES**

### **28.1 Resource Planning**

The Contractor shall review and provide FirstEnergy with a resource plan for notification, manual and herbicide work, outlining the current year's work, and where required, targets for monthly labor hours for each work activity, miles, and acres. These resource plans should take into account milestones for completing all scheduled maintenance work.

FirstEnergy will work with the Contractor to set targets and update as necessary for changes that arise during quarterly meetings or at other times throughout the contract term. This resource plan is due within the first month of work activities; FirstEnergy will advise if starting sooner or later is necessary.

The Contractor Supervisor shall ensure all weekly reports (crew locations, scheduled maintenance work plan status updates, and refusal tracking spreadsheet) are submitted on time. The Contractor Supervisor will also participate in quarterly contractor status meetings, and routinely communicate to FirstEnergy management team all safety, operational, and contract concerns.

### **28.2 Project Completion**

FirstEnergy is focused on accomplishing quarterly milestones for scheduled maintenance miles that are complete and ready for inspection (e.g. a minimum of 25% the first quarter, a minimum of 50% the second quarter, etc.). Contracts generally run through the end of the year, by which time all of the scheduled maintenance operations shall be complete.

### **28.3 General Foreman Responsibilities**

The General Foreman is the Contractor representative and is responsible to communicate with the FirstEnergy Specialist in all manners relating to the work being performed. The General Foreman is responsible for the supervision of the crews, their conduct, and the completion of the assigned work.

- The General Foreman shall provide a copy of this Specification to, and review with, each crew prior to starting work on the project.
- In the event of inclement weather, the General Foreman shall make the FirstEnergy Forestry Specialist aware of crew changes and availability for storm response.
- The General Foreman is to communicate the daily crew locations to the designated FirstEnergy representative.

- The General Foreman is to call into the FirstEnergy Specialist to report special conditions/changes to the crews' scheduled location.
- One week prior to starting scheduled maintenance work on a new circuit, the General Foreman and Specialist are to discuss any special conditions and/or concerns.
- The General Foreman is to contact the FirstEnergy Specialist to discuss any remaining work including skips, refusals, property owner issues, unresolved claims or complaints, and property damages.
- The General Foreman is to assure mitigation of priority trees as necessary.
- The General Foreman is to be in the work area and available to Work Planners, tree crews, and Specialists.
- The General Foreman is to communicate to the crews any changes in the scope of the work plan.
- The General Foreman is to submit timesheets to FirstEnergy weekly.
- The General Foreman is to find the most effective/productive way to do the job.
- The General Foreman is to suggest utilization of various types of equipment that will help improve efficiency.

## **29 UNPLANNED WORK PROCESS**

The Contractor shall provide adequate crew resources to complete all unplanned work assigned, as well as manage appropriate crewing levels to stay on track and complete planned annual work that is assigned.

## **30 SPECIFICATION APPLICATION**

The specifications herein contained are intended to serve as the Standard Distribution Vegetation Specification. This specification is designed to address typical situations encountered in the Vegetation Management process as well as address short- and long-term control of vegetation that may be incompatible with the intended function of electric distribution equipment.

FirstEnergy has also approved application of slight variations or modifications of this specification where there are specific goals to pursue, regulatory commitments, or requirements to meet.

### **30.1 Standard Specification**

Standard Specification includes achieving cycle length clearances, removing incompatible trees on corridor, removing defective limbs overhanging primary conductors, controlling incompatible brush, and removing off-corridor trees.

### **30.2 Enhanced Specification**

Enhanced Specification includes achieving cycle length clearances, removing incompatible trees on corridor, removing defective limbs overhanging primary conductors, controlling incompatible brush, removing off-corridor trees, and removing healthy limbs

overhanging primary conductors.

### **30.3 Inspect and Maintain Specification**

Inspect and Maintain Specification includes achieving cycle length clearances, removing defective limbs overhanging primary conductors, and removing off-corridor trees.

### **30.4 Clarifications**

Clarifications to requested variances of the above stated specifications will be provided in the terms and conditions section of the bid packages and subsequent contracts.

## **DEFINITIONS**

**“As Required”, “As Permitted”, “Approved”, “Acceptable”, “Satisfactory”,** or similar terms shall mean by or to FirstEnergy.

**Bidder:** Party or parties submitting a proposal for the specified work.

**Brush:** Incompatible vegetation with trunk diameter less than six (6) inches in diameter at breast height.

**Brush Acre:** Brush acre is calculated by multiplying the length by the width of the span. If the span is able to support incompatible vegetation within the span then the entire span is to be counted. In cases where there is an agricultural farm field, pavement, or a large body of water such as a lake, these areas are not to be included in the acreage.

**Contract:** the agreement, between FirstEnergy and Contractor, including the specification, insurance requirements, and any bond, together with any other material specifically incorporated therein.

**Contractor:** The party or parties entering into this contract with FirstEnergy for work.

**Contractor’s Representative:** Contractor’s employee who is authorized to have direct responsibility for the work.

**Days:** Unless otherwise specified shall mean calendar days.

**FirstEnergy’s Representative:** An authorized representative of the utility as specified in the Contract and in the “FirstEnergy Service Company – Supplemental Terms and Conditions for Forestry Services”.

**Incompatible Vegetation:** Is defined as all vegetation that will grow tall enough to interfere with overhead electric facilities.

**Maintain:** Ensuring line reliability.

**Maintained Lawn Area:** Defined as an area where conductor(s) are located, typically residential, where the area is covered with grass that is kept closely mowed and/or areas where the landscape is being cultivated. Cultivated landscapes may include flower beds, hedge rows and landscape plantings. This does not include wooded, agricultural, industrial sites, or areas along county and state highways.

**Non-Maintained Lawn Area:** Defined as a rural setting where the area covered with grass is **not** kept closely mowed and/or areas where the landscape is **not** being cultivated, which includes wooded, agricultural, industrial sites, or areas along county or state highways.

**Notification:** To inform and let landowners know that vegetation management work will be performed on the property for power line clearance. Notification may take place using door card,

personal contact, or other approved methods.

**Priority Tree(s):** Tree(s) located adjacent to the clearing zone corridor that are dead, diseased, declining, severely leaning or significantly encroaching the clearing zone.

**Specification:** FirstEnergy's requirement including these general conditions, the specific conditions, and other documents specified under the contents page.

**Structurally Weak Limbs:** Is defined as limbs that have narrow angle of attachment, included bark, co-dominant stems of equal diameter or any other structural condition that may cause limbs to fail.

**Subcontractor:** The party or parties entering into a subcontract with Contractor or another subcontractor to perform a portion of the work covered by this contract.

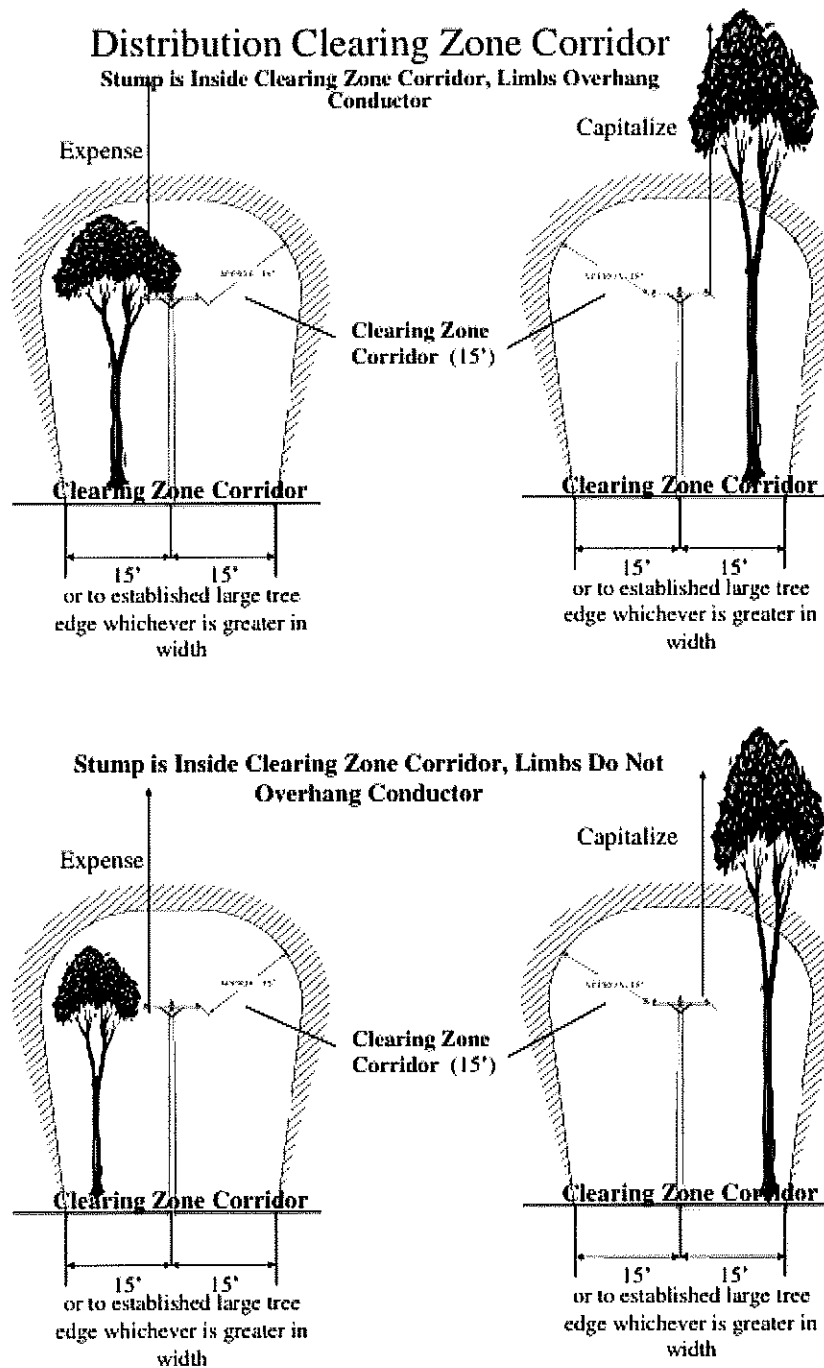
**Work:** Labor, material, equipment, and all requirements specified.

**Figure 1: Specification Application Types**

<b>Requirements</b>	<b>Standard Specification</b>	<b>Enhanced Specification</b>	<b>Inspect/Maintain Specification</b>
<b>Achieve cycle clearance</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Remove incompatible trees on corridor</b>	<b>x</b>	<b>x</b>	<b>-</b>
<b>Remove defective limbs overhanging primary conductors</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Control incompatible brush</b>	<b>x</b>	<b>x</b>	<b>-</b>
<b>Remove off-corridor priority trees</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Remove healthy limbs overhanging primary conductors</b>	<b>-</b>	<b>x</b>	<b>-</b>

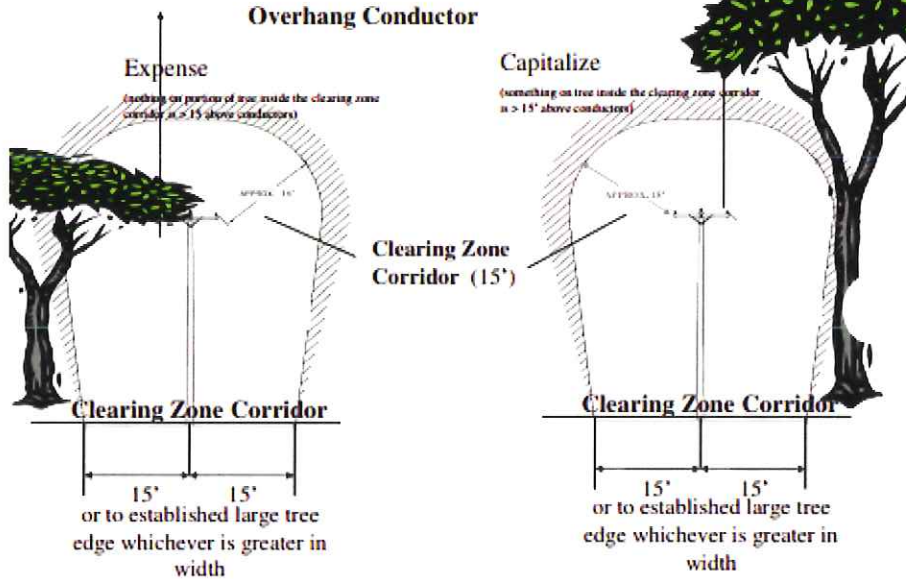


**Figure 2: Examples of Capital Policy (4 diagrams)**

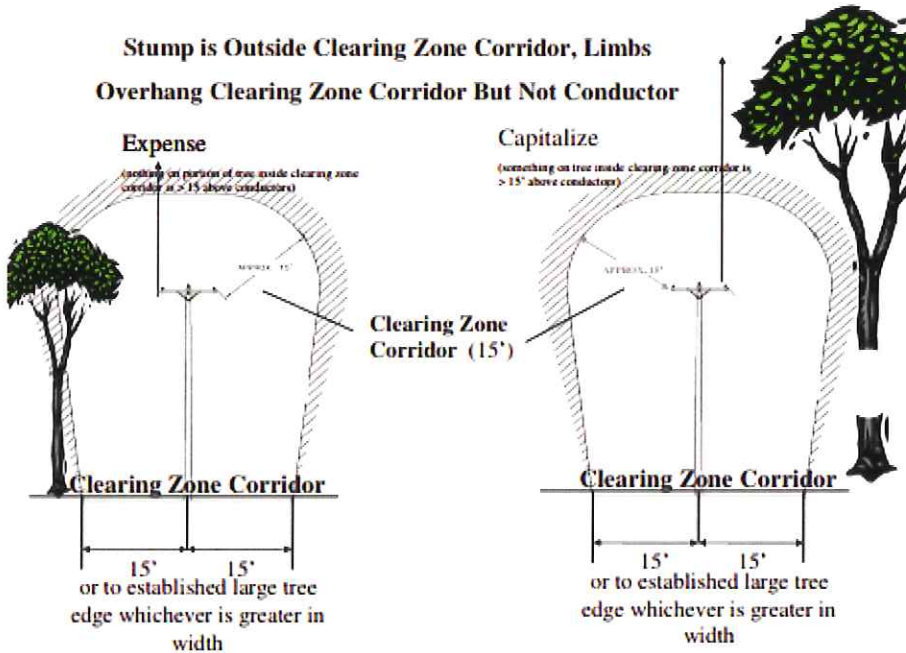


### Stump is Outside Clearing Zone Corridor and Limbs

#### Overhang Conductor



### Stump is Outside Clearing Zone Corridor, Limbs Overhang Clearing Zone Corridor But Not Conductor



## **APPENDIX A-2**

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### **JCP&L Vegetative Maintenance Program Transmission Specifications**



Summary of JCP&L  
Vegetative Maintenance Program

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FirstEnergy Transmission Vegetation Management



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## **1 TRANSMISSION VEGETATION MANAGEMENT OBJECTIVE AND SCOPE**

The objective of all work covered by this FirstEnergy Transmission Vegetation Management Contractor Specification (Specification) is to ensure vegetation with the potential to interfere with electric transmission lines is managed to prevent outages from vegetation located on the transmission corridor and minimize outages from vegetation located adjacent to the transmission corridor to maintain safe and reliable operation of the electric transmission system. All incompatible vegetation is managed to ensure there are no encroachments from vegetation on or adjacent to the transmission corridor.

The transmission corridor shall be free of all vegetative obstructions, which interfere or may interfere with the construction, operation, maintenance, and repair of the electric facilities. The Contractor's work is described in detail and shall be completed in conformance with this Specification and all other provisions of the contract documents.

## **2 NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)**

FirstEnergy's vegetation management program for the bulk power transmission system follows the requirements of the NERC Vegetation Management Standard. (Applicable to 200kV and above and lines designated as Interconnection Reliability Operating Limit (IROL) transmission lines). Current standard can be found on the NERC website: <http://www.nerc.com>, Program Areas & Departments > Standards > US Effective Dates > Facilities Design, Connections, and Maintenance (FAC) > (FAC-003) Transmission Vegetation Management.

The Contractors performing transmission vegetation management work for FirstEnergy shall adhere to all Federal, State, and Local laws and requirements as well as statutes, regulations, ordinances, and standards governing the completion of the work.

## **3 TRAINING REQUIREMENTS**

Contractor personnel directly involved with the implementation of the FirstEnergy Transmission Vegetation Management program shall be trained. This will include, although not limited to, Contractor Supervision and Work Planners. On an annual basis, FirstEnergy Transmission Vegetation Management program training will be conducted to assure an understanding of overall program knowledge and operational implementation.

## **4 LANDOWNER NOTIFICATIONS**

Landowner notification for transmission vegetation management is conducted in accordance with the regulations promulgated by the New Jersey Public Board of Utilities.

- FirstEnergy Contractors adhere to all specific state regulations that relate to Landowner notification requirements.
- Contractor shall provide qualified and competent personnel to perform landowner notifications to clearly communicate specification requirements, explain the vegetation methods that will be used, and address their associated benefits.



## **5 DOCUMENTED MAINTENANCE STRATEGIES, PROCEDURES, PROCESSES, SPECIFICATIONS**

FE's vegetation maintenance strategies, procedures, processes, and specifications are designed to prevent both encroachments of vegetation into the MVCD and vegetation related outages. FE uses integrated vegetation management techniques to create and sustain a stable and compatible vegetated community within and along the transmission corridor.

The approach that FirstEnergy employs is the control or removal of all incompatible vegetation in the Wire Zone and Border Zone (further defined in Table 1 below) that has the potential to interfere with the safe and efficient operation of the transmission system. This is accomplished through either removal by mechanical means or the application of herbicides. The goal in the Wire Zone is to promote a low growing plant community of grasses, herbs, and low growing shrubs, and in the Border Zone, to support a plant community of forbs and compatible shrubs.

Along the transmission corridor, Priority Trees are also identified and removed to prevent encroachments into the MVCD. Priority Trees include those trees that are dead, dying, diseased, structurally defective, leaning or significantly encroaching where the transmission facilities are at risk of arcing or failing should the tree or portions of the tree (i) fall near or into the transmission facilities or (ii) grow towards or into the transmission facilities.

Work activities are performed under established vegetation management cycles, considering the inter-relationships between vegetation growth rates, vegetation control methods, local conditions, and inspection frequency. These cycles also take into consideration vegetation conditions, species characteristics, and the movement of applicable line conductors under their Rating and all Rated Electrical Operating Conditions, as well as terrain.

The vegetation management program also acknowledges legal, safety, and environmental requirements during maintenance activities; including, but not limited to:

- Interconnection Reliability Operating Limit (IROL) designation
- Easement rights and limitations
- State, Federal and Local laws and requirements as well as statutes, regulations, ordinances, and standards
- Public, FirstEnergy employee, and contractor safety
- Environmental restrictions and guidelines
- NESC Clearances
- Worker approach distance requirements
- Fire risk

## **6 INTEGRATED VEGETATION MANAGEMENT (IVM) TECHNIQUES**

FirstEnergy utilizes IVM methods to manage vegetation, which requires the evaluation of the transmission corridor to identify incompatible vegetation, defining the timeframe for control, and performing an evaluation and selection of control options. IVM control options include manual, mechanical, cultural, and chemical methods that are used to prevent encroachments from vegetation located on and adjacent to transmission corridors. The choice of control options considers site characteristics, environmental impact, and worker/public safety. The goal of using IVM techniques is to create and sustain a stable and compatible vegetated community within and along the transmission corridor.

## **7 VEGETATION MANAGEMENT CYCLES**

Work activities are performed under established maintenance cycles which have been developed based on existing vegetation conditions and species, anticipated growth rates, conductor movement, as well as terrain, State regulatory requirements, easement restrictions, typical right-of-way (ROW) widths, and environmental concerns.

### **7.1 Vegetation Management Cycles**

The vegetation management cycles for the operating companies are as follows:

- New Jersey Operating Company (Board of Public Utilities mandate) – Four Years
- Ohio Operating Companies, Pennsylvania Operating Companies, Maryland Operating Company, West Virginia Operating Company and Virginia Operating Company– Four to Five Years

## **8 TRANSMISSION VEGETATION MANAGEMENT (TVM) PROCEDURES**

FirstEnergy has established vegetation maintenance and target clearances to prevent encroachments between vegetation and overhead conductors, taking into consideration transmission line voltage, the effects of ambient temperature on conductor sag under maximum design loading, and the effects of wind velocities on conductor blowout. TVM procedures are to be implemented at the time of maintenance, as demonstrated below in Table 1: Vegetation Maintenance Implementation on page 5. The required maintenance clearances are demonstrated in Table 2: Required Maintenance Clearance by Voltage on page 6.

Target Clearances, a FirstEnergy established best practice, are target vegetation clearances that exceed the MVCD, allowing FirstEnergy to avoid encroachments into the MVCD for Applicable Lines. The vegetation Target Clearances are shown in Table 3: Target Clearance by Voltage and are based on vegetation to conductor distances on page 6.



*Summary of JCP&L Vegetative Maintenance Program***8.1 Vegetation Maintenance**

FirstEnergy's Vegetation Maintenance procedures are to be implemented as described in Table 1: Vegetation Maintenance Implementation.

<b>Table 1: Vegetation Maintenance Implementation</b>			
<b>Procedures to Implement</b>		<b>Applicable Facilities</b>	
		<b>200kV and Above</b>	<b>138kV IROL</b>
<b>1</b>	<b>Typical ROW Width:</b> The transmission corridor typical ROW widths by Operating Company, Voltage, and Facility are identified, and all vegetation management work is completed within the corridor.	√	√
<b>2</b>	<b>Wire Zone:</b> All incompatible vegetation is controlled in the entire wire zone to promote a low-growing plant community dominated by grasses, herbs, and low growing shrubs (approximately 3 – 5'); the wire zone is the section of the transmission corridor directly under the wires, and extending outward to 15' on each side of the wires.	√	
<b>3</b>	<b>Border Zone:</b> All incompatible vegetation is controlled in the border zone to support a plant community of forbs and compatible shrubs (approximately 12-15'); the border zone is the section of the transmission corridor that extends from 15' outside the wires to the ROW edge.	√	
<b>4</b>	<b>Wire Zone Border Zone Concept:</b> The wire zone border zone concept is the preferred method of controlling incompatible vegetation, however, in some instances, it may not be suitable due to topography; for these locations, all incompatible vegetation is controlled on the transmission corridor, edge to edge.	√	
<b>5</b>	<b>Limited Width Corridors:</b> In locations where the transmission corridor width is limited (typically 100' or less), all incompatible vegetation is controlled from edge to edge.		√
<b>6</b>	<b>Tree Pruning:</b> To the greatest extent possible, all branches overhanging the	√	√

*Summary of JCP&L Vegetative Maintenance Program*

	transmission corridor are to be pruned to ANSI A300 standards or removed back to the main stem. Tree Pruning is to be performed back to the typical ROW width via mechanical or manual methods.		
7	<b>Priority Tree:</b> Trees that are dead, dying, diseased, structurally defective, leaning or significantly encroaching where the transmission facilities are at risk of arcing or failing should the tree or portions of the tree (i) fall near or into the transmission facilities or (ii) grow towards or into the transmission facilities.	√	√
8	<b>Pruning (no-easement):</b> In cases where FirstEnergy does not have an easement authorizing it to control vegetation and cannot otherwise obtain permission from the landowner, then vegetation shall be pruned following directional pruning methods, as defined in the ANSI 300 Standards and Amendments.	√	√
9	<b>Maintenance Clearance by Voltage:</b> Maintenance Clearance is the appropriate clearance distance to be minimally achieved between vegetation and any overhead ungrounded supply conductors at the time of vegetation maintenance, which is based upon local conditions and time frame of the next scheduled maintenance cycle.	√	√



Pruning for the transmission corridor is dependent on the voltage of the conductor and shall be done in such a manner to achieve the following clearances:

**Table 2: Vegetation Maintenance Clearance by Voltage**

<b>Voltage</b>	<b>Required Clearance</b>
69kV	Shall be cleared 15' or greater from conductor
115-138kV	Shall be cleared 25' or greater from conductor
200kV and Above	Shall be cleared 30' or greater from conductor

**Table 3: Target Vegetation Clearance by Voltage**

<b>Voltage</b>	<b>Target Clearance</b>
138kV IROL	Vegetation less than 12' from conductor
230kV	Vegetation less than 15' from conductor
345kV	Vegetation less than 20' from conductor
500kV	Vegetation less than 25' from conductor

## **9 VEGETATION WORK PROCEDURES AND SPECIFICATIONS**

Vegetation management is required to prevent encroachment and vegetation related outages. Vegetation control is the removal of vegetation that has the potential to interfere with the safe and efficient operation of the transmission system. Methods used to manage, and control vegetation include manual control methods using hand-operated tools, mechanical control using equipment-mounted saws, mowers or other devices, and various selective herbicide application techniques such as, selective basal, stem foliage and cut stubble.

### **9.1 Tree Pruning**

All pruning shall be done in accordance with modern arboricultural standards using the current ANSI A300 Standards and Amendments. Directional pruning is the preferred method of line clearance pruning. Directional pruning involves removing entire branches and limbs back to the main trunk of the tree that is growing under, beside and over the electric conductors. Pruning shall be done in a manner that will promote growth away from the power lines. Branches that are growing away from the electrical facilities are usually undisturbed unless they impede access to facilities.

### **9.2 Tree Removal**

Trees that are expected to be removed or controlled are:

- Incompatible trees located within the transmission corridor
- Dead or defective trees which pose a threat to the conductor or facilities (i.e., guy wires, poles, or structures)

*Summary of JCP&L Vegetative Maintenance Program*

- Priority Trees: trees that are dead, dying, diseased, structurally defective, leaning or significantly encroaching where the transmission facilities are at risk of arcing or failing should the tree or portions of the tree (i) fall near or into the transmission facilities or (ii) grow towards or into the transmission facilities.
- When using tree removal as a control method, the worker will consider relevant factors pertaining to the tree and site and shall take appropriate actions by selecting and cutting a notch that is best suited to allow the tree to fall safely in the desired direction ensuring a safe removal operation (ANSI Z133 - Safety Requirements for Arboricultural Operations)

**9.3 Brush Removal**

Brush that may grow tall enough to interfere with overhead electric facilities or impedes access and/or the ability to visually inspect the transmission corridor is removed and/or treated with an herbicide.

Mowing of brush on the transmission corridor may be utilized, at times, for sites where vegetation heights and densities exceed requirements for other vegetation management methods.

Mowing may be required on company-owned properties that are subject to local maintenance ordinances.

**9.4 Herbicide Applications**

Herbicide application is the preferred method to control immature trees (brush). Herbicide control options are determined by terrain, brush height, and density and are designed to control only incompatible vegetation, with emphasis placed on preserving low-growing shrubs, grasses, ferns, and all other herbaceous plants. This includes controlling brush in all fence rows, around down guys and tower centers. In cases where a landowner will not allow the application of herbicide on the transmission corridor for purposes of controlling incompatible vegetation FirstEnergy will explore and fully exercise legal rights and options regarding herbicide refusals. FirstEnergy requires Contractors to use proper and appropriate herbicide treatment.

- FirstEnergy contractors leave buffer zones as specified when applying herbicides near streams, lakes, ponds and reservoirs and must abide by the appropriate Federal and State requirements.
- The Contractor does not spray any area when conditions are found to not be conducive to herbicide application, and any area FirstEnergy instructs the Contractor to avoid. The Contractor is liable for any damages, claims, and related expenses resulting from any violation of these requirements and/or spraying within specified buffer zones.
- Desirable vegetation, such as forbs, grasses and low growing shrubs, shall not be sprayed deliberately.



Herbicide application methods are:

- Cut Stubble Treatment
  - Cut stubble is used in areas that have been mowed for access or because vegetation was too tall to foliar treat
  - A broadcast treatment is made over areas that were just mowed
- High Volume Foliage applications
  - High volume applications usually cover large areas of incompatible brush
  - This control method is best suited for medium to high-density incompatible vegetation species
- Low Volume Foliage applications
  - This method of application targets specific incompatible vegetation species by spraying the herbicide directly on the foliage of the target vegetation. It is a selective application
  - This control method is used where there is low density incompatible brush
- Basal Herbicide applications
  - This control option should be limited to highly visible areas and sometimes is the only method allowed in sensitive areas such as parks or large tracts of government use land
  - This control method is used where there is low-density incompatible brush
- Stump applications
  - The herbicide mixture is applied to the freshly cut stump to completely wet the cambium area, which is the area next to the bark.

## **10 REQUIREMENTS FOR CLEARING ACCESS**

On transmission corridors, a fifteen foot (15') wide access lane shall be maintained or treated with herbicide to allow travel from structure to structure (including fence rows). This lane shall be wide enough to allow access for line maintenance, vegetation control equipment, and personnel for the duration of the maintenance cycle.

- Access lanes are required on corridors that are accessible by mechanical equipment, unless otherwise specified by FirstEnergy.
- Where practical, utilize the path of least resistance or existing access lanes located on the corridor. This would include utilizing an agricultural field or grassy lane as a path of least resistance; therefore no herbicide treatment is required.
  - Vegetation, such as briars or bramble, are to be treated with herbicide if it impedes access.
  - If herbicide treatment is not an option, or if brush conditions warrant, mowing may be performed if approved by FirstEnergy.

## **11 TRANSMISSION FACILITY CLEARANCE**

Where vegetation is causing mechanical damage or abrasion against a transmission facility, brush, vines, and trees shall be removed. If vines are entwined in electrical equipment, FirstEnergy shall be notified. Transmission facilities include, but are not limited to, static wires, shields, insulators, conductors, structures (wood or steel poles, steel towers, H-frames, etc.), and



guy wires.

- If trees located adjacent to transmission facilities are dead, dying, diseased, structurally defective, leaning or significantly encroaching, where the transmission facility is a target, the tree shall be removed.
- In locations where brush, vines, and trees are removed, stumps are to be treated and debris cleared away from all structures at the ground line to a distance of five feet (5'), unless otherwise specified by FirstEnergy.
- All brush, vines, and trees shall be treated in the tower centers, except where herbicide treatment is not an option, then manual removal is required.
- Vines growing on facilities will be cut at ground line and as high as can be safely reached from the ground. Notification to the property owner shall be given prior to removing cultivated vines.
- Down and span guys are to be freed of weight, strain, or displacement because of pressure caused by contact with tree parts, particularly from fast growing trees.

Access around Substation fences and in Substation clearings:

- The Contractor shall inspect vegetation conditions around the perimeter of the substation fence, including all substation wire exits within the substation property.
- Priority trees that may fall and hit substation fences or facilities shall be removed.
- Contractor shall report the following to the FE TVM Specialist:
  - o Vegetation that is overgrown and against the fence,
  - o Vegetation inside substation fence that is a concern,
- Vegetation conditions on substation wire exits other than the corridor being maintained

## **12 ANNUAL WORK PLAN DOCUMENTATION**

Completed vegetation maintenance cycle activities are documented in FirstEnergy's annual work plan. Work activities are documented on weekly Transmission Vegetation Management (TVM) timesheets by the contractors and are entered into the Vegetation Management System (VGMS).

## **13 TVM WORK VERIFICATION**

FirstEnergy TVM specialists inspect and approve all planned work performed by TVM contractors to ensure compliance with FirstEnergy's work procedures and specifications, as defined in the FE FAC-003 Vegetation Management Program. VGMS is the final repository for documenting the completion of the annual work plan.



## **ATTACHMENT J**

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### **JCP&L CAFRA Zone Substation Location Table**



## JCP&amp;L SUBSTATIONS LC ED IN THE CAFRA ZONE

Substation	Address	Township	County	State	Zip Code	Block	Lot
Allenhurst	Main St. & Allen Ave.	Allenhurst Boro	Monmouth	NJ	07711	21	2-7
Atlantic Highlands	Rt. No. 36 & First Avenue	Atlantic Highlands Boro	Monmouth	NJ	07716	105	2
Avon	Main St. & Belmar Inlet	Avon by the Sea Boro	Monmouth	NJ	07717	42A	1A
Manitou	4th St. & 3rd Ave.	Berkeley Twp.	Ocean	NJ	08757	4	66
Motts Corner	Korman Rd. & Rt. No. 9	Berkeley Twp.	Ocean	NJ	08721	10	856
Pinewald	Rt. No. 9 & Lewis Ave.	Berkeley Twp.	Ocean	NJ	08721	1410	1A-3
Bradley Beach	Main St. & Ocean Park Ave.	Bradley Beach Boro	Monmouth	NJ	07720	32	11-12-13
Cedarbridge	Cedar Bridge Rd. & Rt. No. 70	Brick Twp.	Ocean	NJ	08723	465	22
Herbertsville	Driscoll Drive & Laurel Drive	Brick Twp.	Ocean	NJ	08724	1060	1
Laurelton	Burrsville Rd. & Rt. No. 88	Brick Twp.	Ocean	NJ	08724	1172	88-89, 103-107
Silverton	Hooper Ave. & Brick Blvd.	Brick Twp.	Ocean	NJ	08723	378	2
Elberon	Norwood Ave. & S. Lincoln Ave.	Deal Boro	Monmouth	NJ	07723	3	6
Hooper Ave	Hooper Ave. & Schancks Mill Line Rd.	Dover Twp.	Ocean	NJ	08732	394	126
Island Heights	Adams Ave. & Collage Ave.	Dover Twp.	Ocean	NJ	08732	813-3	5 to 9, 29
Leisure Village	Silverton Rd. & New Hampshire Ave.	Dover Twp.	Ocean	NJ	08732	192A	34
Ocean Beach	Kittiwake Ave. & Rt. No. 35	Dover Twp.	Ocean	NJ	08732	934	3
Ortley Beach	Tunney Ave. & Washington Ave.	Dover Twp.	Ocean	NJ	08751	1098	11 to 16
Pleasant Plains	Silverton Rd. & Rt. No. 9	Dover Twp.	Ocean	NJ	08732	172	47
Toms River	Water St. & Public Rd.	Dover Twp.	Ocean	NJ	08732	566	3
Fort Monmouth	Malterer Ave. & Rt. No. 71	Eatontown Boro	Monmouth	NJ	07724	89	22
Fair Haven	Ridge Road & Fair Haven Road	Fair Haven Boro	Monmouth	NJ	07701	77	38A
Highlands	Highlands Ave. & Valley Road	Highlands Boro	Monmouth	NJ	07732	36	9
Keansburg	Main St. & Rt. No. 36	Keansburg Boro	Monmouth	NJ	07734	126	6-7
Clark St.	Adams St. & Madison St.	Keyport Boro	Monmouth	NJ	07735	1	4 & 5
Forked River	800-804 South Main St.	Lacey Twp.	Ocean	NJ	08734	1001	4.02
Oyster Creek	Rear of So. Main St.	Lacey Twp.	Ocean	NJ	08734	1001	4.04
Forked River Construction	Rear of So. Main St.	Lacey Twp.	Ocean	NJ	08734	1001	4.05
Lacey	Lake Side Dr. & Rt. No. 9	Lacey Twp.	Ocean	NJ	08734	226, 231	12-13, 8-9
Meredeconk	New Hampshire Avenue	Lakewood	Ocean	NJ	08701	*	*
Lavallette	Rt. No. 35 & Washington Ave.	Lavallette Boro	Ocean	NJ	08735	40	19-20
Little Silver	Birch Rd. & Railroad Tracks	Little Silver Boro	Monmouth	NJ	07739	30	121
Bath Ave	West Ave. & Bath Ave.	Long Branch City	Monmouth	NJ	07740	492	19G
Branchport	Rt. No. 36 & Myrtle Ave.	Long Branch City	Monmouth	NJ	07740	346	2
Long Branch	Long Branch Ave. & North Broadway	Long Branch City	Monmouth	NJ	08008	309	5
West End	West End Ave. & Sairs Ave.	Long Branch City	Monmouth	NJ	07740	122	5B
Manasquan	Colby Ave. & Main St.	Manasquan Boro	Monmouth	NJ	08736	90	15-B
American Smelting	Rt. No. 70 & Rt. No. 539	Manchester Twp.	Ocean	NJ	08759	74	5
Whittings	Rt. No. 530 & Rt. No. 539	Manchester Twp.	Ocean	NJ	08759	86	1
Mantoloking	Rt. No. 35 (Ocean Ave.) & Alberson	Mantoloking Boro	Ocean	NJ	08738	40	15

## JCP&amp;L SUBSTATIONS LOCATED IN THE CAFRA ZONE

Substation	Address	Township	County	State	Zip Code	Block	Lot
E.P.A.	Rt. No. 36 & Rt. No. 516	Middletown Twp.	Monmouth	NJ	07748	-	-
Sandy Hook	Hartstone Drive & Ocean Ave. (Rt. No. 36)	Middletown Twp.	Monmouth	NJ	07748	-	-
Monmouth Beach	Seaview Ave. & Central Rd.	Monmouth Beach Boro	Monmouth	NJ	07750	18	8
Neptune	Hawthorne Ave. & 3rd Ave.	Neptune City Boro	Monmouth	NJ	07753	75	36 to 40, 66
Waretown	Rt. No. 4 & Rt. No. 9	Ocean Twp.	Ocean	NJ	07712	48	9A
Monmouth Park	Rt. No. 36 & Oceanport Ave.	Oceanport Boro	Monmouth	NJ	07757	78	1
Laurence Harbor	Rt. No. 35 & G.S. Parkway	Old Bridge Twp.	Middlesex	NJ	08857	1051	9
Pine Beach	Lee Ave. & Rt. No. 9	Pine Beach Boro	Ocean	NJ	08741	74	27-29-31-33-35-39
Drum Point	Drum Point Rd E/O Rt 631	Point Pleasant	Ocean	NJ	08742	*	*
Lanes Mill	Herbertsville Rd	Point Pleasant	Ocean	NJ	08742	*	*
Woodland	Lynn Ave. & Lakewood Rd. (Rt. No. 88)	Point Pleasant Boro	Ocean	NJ	08742	204	13 & 14
Point Pleasant	Atlantic Ave. & Cincinnati Ave.	Pt. Pleasant Beach Boro	Ocean	NJ	08742	51	3 to 18
Runson	Center St. & Ward Lane	Runson Boro	Monmouth	NJ	07760	52	13
Sea Bright	River St. & Shrewsbury River	Sea Bright Boro	Monmouth	NJ	07760	14	22C
Stockton	Rt. No. 71 & Rt. No. 524	Sea Girt Boro	Monmouth	NJ	08750	-	-
Seaside Heights	Bay Terrace & Grant Ave.	Seaside Heights Boro	Ocean	NJ	08751	14	14-15
Seaside Park	13th Ave. & Bay View Ave.	Seaside Park Boro	Ocean	NJ	08752	1	12
Belmar	Rt. No. 30 (18th Ave.) & Railroad Tracks	South Belmar Boro	Monmouth	NJ	07719	6	13
Spring Lake Heights	Essex Ave. & Sixth Ave.	Sp Lake Heights Boro	Monmouth	NJ	07762	77	2
Bay	Rose Lane & Rt. No. 36	Union Beach Boro	Monmouth	NJ	07735	248	1
Keyport	Florence Ave. & Poole Ave.	Union Beach Boro	Monmouth	NJ	07735	103	1
Allenwood	Allaire St. & Allen Ave.	Wall Twp.	Monmouth	NJ	07719	820	1
Woodbine	Wolf Hill Ave. & Rt. No. 36	West Long Branch Boro	Monmouth	NJ	07764	16G	18
Manchester	Walbur Ave. & Volante Rd.	Manchester Twp.	Ocean	NJ	08733	59	656
Midland	Cliffwood Ave., Rt. 35	Aberdeen Twp.	Monmouth	NJ	07747	-	-
Vermont Ave.	Vermont Ave.	Lakewood	Ocean	NJ	08701	1078	2

## **ATTACHMENT K**

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**Previous Vegetative Maintenance Permit  
and Typical Aquatic Use Permit**







STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF LAND USE REGULATION

Mail Code 501-02A, P.O. Box 420, Trenton, New Jersey 08625-0420  
Telephone: (609) 777-0454 or Fax: (609) 777-3656  
www.state.nj.us/dep/landuse



PERMIT

<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the limitations, terms and conditions listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>		Approval Date
		September 10, 2015
		Expiration Date
		September 9, 2020
Permit Number(s):	Type of Approval(s):	Enabling Statute(s):
0000-05-0010.1 FHA150001 0000-05-0010.1 CSW150001 0000-05-0010.1 CAF150001 0000-05-0010.1 FWW150001	Individual Permit Coastal Wetlands Permit Coastal General Permit 23 Freshwater Wetlands General Permit 1 Water Quality Certificate	NJSA 58:16A FHACA NJSA 13:9A WA NJSA 13:19 CAFRA NJSA 13:9B FWPA NJSA 13:19 NJSA 12:5-3
Permittee: Jersey Central Power Light Co 300 Madison Ave. Morristown, NJ 07692		Site Location: Block(s) & Lot(s): [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] [N/A, N/A] Municipality: [N/A] County: Statewide
<p><b>Description of Authorized Activities:</b></p> <p>This Statewide "blanket" permit authorizes disturbance to freshwater wetlands, transition areas, state open waters, coastal wetlands and flood hazard areas necessary to preform vegetative and utility infrastructure maintenance and repair of existing distribution and transmission facilities within Jersey Central Power and Light Company's power line and transmission right(s)-of-ways and service areas. The conditionally approved vegetative maintenance activities include but are not limited to selective directional pruning, hand cutting, selective hazardous tree removal, mowing of existing herbaceous and small shrub vegetation and selective herbicide use. The utilities repair and maintenance activities approved by this permit also include pole and tower repair, replacement and relocation. Also authorized are the temporary activities necessary to access work sites.</p> <p>This permit does not authorize the construction of new towers or power lines beyond the existing limits of the cleared and maintained right(s)-of-way, nor does it permit vegetation removal activities necessary for the creation of new utility right(s)-of-ways or the expansion or widening of the cleared and maintained right(s)-of-ways.</p> <p>Additionally, JCP&amp;L is authorized to conduct emergency vegetative maintenance, access road maintenance, tower foundation repairs and tower reconductoring during emergency conditions including but not limited to, restoring power during power outages, disruption due to storm damage, or to security related incidents</p> <p>This permit is authorized under and in compliance with the Freshwater Wetlands Protection Act Rules, N.J.A.C. 7:7A, Flood Hazard Area Control Act Rules, N.J.A.C. 7:13, N.J. Water Pollution Control Act, N.J.S.A. 58:10A-1 and the Coastal Zone Management Rules, N.J.A.C. 7:7E.</p>		
Prepared by:  Matthew Resnick		Received and/or Recorded by County Clerk:
<p>THIS PERMIT IS NOT EFFECTIVE AND NO CONSTRUCTION APPROVED BY THIS PERMIT, OR OTHER REGULATED ACTIVITY, MAY BE UNDERTAKEN UNTIL THE APPLICANT HAS SATISFIED ALL PRE-CONSTRUCTION CONDITIONS AS SET FORTH HEREIN.</p>		
<p>This permit is not valid unless authorizing signature appears on the last page.</p>		

**PRE-CONSTRUCTION CONDITIONS:**

1. **Timing:** If this permit contains a condition that must be satisfied prior to the commencement of construction, the permittee must comply with such condition(s) within the time required by the permit or, if no time specific requirement is imposed, then within six months of the effective date of the permit, or provide evidence satisfactory to the Division that such condition(s) cannot be satisfied.

**SPECIAL CONDITIONS:**

2. **Recording of Permit:** This permit shall be recorded in its entirety in the office of the County Clerk or the Registrar of Deeds and Mortgages for each county where this project is located. Verified notice of this action shall be forwarded to the Division immediately thereafter.
3. **Material Disposal:** All excavated material and dredge material shall be disposed of in a lawful manner. The material shall be placed outside of any flood hazard area, riparian zone, regulated water, freshwater/coastal wetlands and adjacent transition area, and in such a way as to not interfere with the positive drainage of the receiving area.
4. The permittee shall adhere to all procedures and conditions in the document entitled "**JCP&L Practices for Maintenance Work In Water Resources Areas; Including regulated freshwater wetlands, freshwater wetlands transition areas (buffers), coastal wetlands, coastal wetlands buffers, coastal zone, flood hazard areas and riparian zones (WRA's)**", dated September 8, 2015. This document discusses JCP&L's proposed maintenance practices in regulated areas, as well as types of activities covered by maintenance practices. Maintenance practices discussed in the documents include seasonality, trout associated waters, threatened or endangered species habitat, wildlife management areas, right-of-way maintenance-vegetative, vegetation height and community composition, vegetation disposal, watercourse buffers, herbicide use, right-of-way maintenance-repair or replacement of structures, operation of heavy equipment, access roads/structure work areas, sediment control, channel flow, and restoration. **All maintenance practices in this document are incorporated as conditions of this permit and shall be complied with.**
5. Any clearing of wetlands, transition areas, coastal areas, or riparian zones beyond the legally existing/previously authorized vegetation maintenance boundaries shall require additional Freshwater Wetlands Permits, Flood Hazard Area Permits or other permits depending on the jurisdictional location of the proposed clearing. This prohibition includes any widening as required by the current BPU standards.
6. For the purposes of this permit, the Department has determined that this project is not a Major Development as defined in the Stormwater Management rules at N.J.A.C. 7:8-1.2. Therefore, the Department did not review the project for compliance with these rules.
7. This permit authorizes the repair or "in-kind" replacement of any culverts or bridge crossing within JCP&L's Utility right(s)-of-way network. All bridge and culvert repairs and replacements shall be conducted in-kind, such that the pre-construction hydraulic opening, length, material, and roadway profile will be maintained in the post-construction condition at each crossing where the contributory drainage area of the receiving waters is at least 50 acres.
8. This permit authorizes the repair of access roads as described in the document entitled "**JCP&L Practices for Maintenance Work In Water Resources Areas; Including regulated freshwater wetlands, freshwater wetlands transition areas (buffers), coastal wetlands, coastal wetlands buffers, coastal zone, flood hazard areas and riparian zones (WRA's)**", dated September 8, 2015". These roads shall

be repaired to their originally constructed elevation, using materials similar to those used in their original construction. Roads shall not be elevated beyond their originally constructed elevation.

9. Maintenance of components of substations, transmission line infrastructure, and distribution line infrastructure shall not result in the loss of flood fringe storage volume within the flood hazard area. Therefore, above ground replacement components shall not be larger in footprint than existing components within the flood hazard area
10. All herbicide products used by JCP&L contractors shall be approved for use by State and Federal regulation and applied by licensed contractors with qualified applicators.
11. All herbicide application shall be performed in accordance with the pesticide products federal registered label, the NJDEP Pesticide Control Program, Aquatic Pesticide Use Permit and NJDEP Pesticide Control Regulations. This includes, but is not limited to the area wide notification requirements and regulations regarding pesticide applications adjacent to schools.
12. No herbicide spraying shall be performed in or on State or tidal open waters. No herbicide spraying shall be performed adjacent to State or tidal open waters that would result in runoff of the herbicide into the water. No herbicide spraying shall be performed two hours prior to an anticipated heavy rainstorm.
13. JCP&L shall be responsible for any actions of its employees or contractors that result in a violation of this permit authorization and shall fully cooperate with the NJDEP to resolve any violation arising from the misuse of this authorization.
14. General Construction Methods:
  - a. No activity shall interfere with the natural hydrologic characteristics of any wetland or watershed.
  - b. All in-stream work must be done in dry or dewatered conditions. No work may occur in any watercourse in wet or flowing conditions.
    - c. Raw or unset concrete shall not come in contact with any surface waters, since such contact can be toxic to aquatic biota.
    - d. Construction equipment shall not be stored, staged or driven within any channel, freshwater wetland or transition area, unless expressly approved by this permit and/or described on the approved plans.
    - e. The permittee shall ensure that temporary mats are utilized to protect wetland and riparian zone vegetation and soils when access across wetlands or riparian zones is necessary to complete the authorized activities.
15. During the course of construction, neither the permittee nor its agents shall cause or permit any unreasonable interference with the free flow of the stream by placing or dumping any materials, equipment, debris or structures within or adjacent to the stream corridor. Upon completion or abandonment of the work, the permittee and/or its agents shall remove and dispose of in a lawful manner all excess materials, equipment and debris from the stream corridor and adjacent lands.

16. All activities shall be stabilized in accordance with the *Standards for Soil Erosion and Sediment Control in New Jersey*, or equal engineering specifications, to prevent eroded soil and sediment from entering adjacent waterways and wetlands at any time during and subsequent to construction.

**RESTORATION OF DISTURBED AREAS:**

17. All freshwater wetlands, transition areas, stream channels, flood hazard areas, riparian zones, intertidal subtidal shallows, and tidal waterways that are temporarily disturbed for access shall be restored upon completion of the associated activity. For the purposes of this project, restoration shall include the removal of all matting and construction debris. All areas must be restored to their original vegetative condition, or a condition that is compliant with current federal standards, and the soils shall not be compacted by equipment in a way that promotes the establishment of invasive species. Said restoration is to be accomplished under the recommendation of the local soil conservation district.
18. Any excavated area shall be backfilled with suitable soil material. The upper 18 inches must be backfilled with the original topsoil material to the pre-existing elevation.
19. All disturbed stream channels or stream banks shall be restored to pre-construction elevations and shall maintain low-flow fish passage.
20. The permittee shall be responsible for monitoring disturbed areas to assure that indigenous species have been successfully reestablished. The Department reserves the right to require supplemental plantings if restoration activities fail to adequately stabilize the areas.
21. The **Watercourse Buffers** maintenance practices discussed in the above referenced document (Special Condition, No. 4) shall also include the following additional conditions:
  - a. To insure stream bank stability, woody vegetation within 50 feet of top of bank shall be managed to ensure a "no net loss" of live root mat.
  - b. To the greatest extent practicable for buffers adjacent to trout production waters, and within the 50 feet of top of bank, shrub species management should result in a vegetative community that provides shade to the adjacent waters.

**CONDITIONS APPLICABLE TO FRESHWATER WETLANDS:**

22. Freshwater Wetlands General Permit No. 1 Authorization: The authorized General Permit No.1 activities involve the disturbance of freshwater wetlands and state open waters for the replacement, rehabilitation, repair and relocation of existing overhead utility poles, towers, lines, and access roads. This authorization also permits vegetative maintenance activities within the existing and established limits of the maintained and cleared portions of JCP&L's right(s)-of-way. Any net increase in impacts to freshwater wetlands, transition areas, or state open waters for culvert and pole or tower replacement shall require the permittee to obtain the appropriate Freshwater Wetlands Permit prior to commencing any such activity.
23. The activities authorized by the Freshwater Wetlands GP-1 shall comply with the conditions noted in the Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A-4.3, *Conditions that apply to all general permit authorizations*.

**CONDITIONS APPLICABLE TO COASTAL ZONE MANAGEMENT AREAS:**

24. In accordance with N.J.A.C. 7:7-2.2(b), it is prohibited to apply any pesticide on areas containing significant stands of herbaceous vegetation including but not limited to high vigor *Spartina alterniflora* (Saltmarsh cordgrass), *Zizania aquatica* (Wildrice), *Typha* sp. (Cattail), and *Scirpus americanus* (common three-square) as shown generally on the wetlands base maps promulgated pursuant to the Wetland Act of 1970.
25. Minor utility tower relocations or reconstruction above the mean high water line are exempt from Waterfront Development Jurisdiction as per N.J.A.C. 7:7-2.3(d)3. This exemption does not extend to any structures being replaced below the mean high water line. Towers installed below the mean high water line shall require a Waterfront Development In-Water Individual Permit prior to installation.
26. Coastal Wetlands Permit Authorization: This Coastal Wetlands Permit authorizes impacts within the coastal wetlands promulgated line to access work locations, perform routine vegetative maintenance activities, repair existing structures, and relocate existing towers, provided that the original structure is removed and the area is restored to a wetland condition and is revegetated with appropriate species. This permit does not authorize a net increase of permanent impacts to mapped coastal wetlands.
27. Coastal General Permit 23: This coastal general permit authorizes the modification of existing electrical substations within the existing fence line to accommodate substation and electrical load and system reliability provided that the activities occur within the cleared, maintained portions of the site within existing fenced areas and will not adversely impact any Special Areas as defined at N.J.A.C. 7:7E-3.
28. This permit is authorized under, and in conditional compliance with the Rules on Coastal Zone Management, N.J.A.C. 7:7E-1.1 et seq. and is compliant with N.J.S.A. 13:19-10 (Section 10 of the New Jersey Coastal Area Facility Review Act.)

**PINELANDS AREA SPECIFIC CONDITIONS:**

29. All vegetation maintenance activities within the Pinelands shall be conducted in accordance with the provisions of the "NEW JERSEY PINELANDS ELECTRIC-TRANSMISSION RIGHT-OF-WAY VEGETATION-MANAGEMENT PLAN", dated March 2009.
30. In the Pinelands Areas the application of herbicides to vegetation is prohibited.

**HISTORIC PRESERVATION CONDITIONS:**

31. No less than sixty days (60) prior to any approved activities within freshwater wetlands, state open waters, or adjacent to tidal waters that require ground disturbance, the permittee shall notify the State Historic Preservation Office and provide the following information;
  - a. The specific location of the proposed work, including the nearest roadway intersection or other landmark and the name of the nearest waterway;
  - b. The municipality and county;
  - c. The location highlighted on a portion of the appropriate USGS quadrangle;
  - d. A brief description of the proposed work;
  - e. The name and telephone number of the environmental representative supervising the work;
  - f. The timeframe of the proposed work including start and anticipated finish dates;

g. The area of the proposed freshwater wetlands and state open waters.

32. The Permittee shall be required to address any adverse comments received from these offices in order to be in compliance with the Freshwater Wetlands Protection Act. No work shall begin until any adverse comments have been addressed to the satisfaction of the Division of Land Use Regulation

**FISHERIES TIMING RESTRICTIONS:**

33. In order to protect fishery resources, no grading, construction or clearing is permitted within any watercourse containing the following species during the time periods specified in the table below. Furthermore, any activity outside a watercourse, which would likely introduce sediment into the watercourse and/or increase its turbidity, is also prohibited during this period. The Department reserves the right to suspend all regulated activities onsite should it be determined that the applicant has not taken proper precautions to ensure continuous compliance with this condition. Additionally, turbidity control measures shall be utilized for all in-water work.

**RESTRICTED TIME PERIODS FOR WATERS WITH FISHERY RESOURCES**

Water and classification	Time period (inclusive) during which activities are prohibited
<b>1. Trout Waters</b>	
• All trout production waters except rainbow trout	September 15 through March 15
• Rainbow trout production waters	February 1 through April 30
• Trout stocked waters	March 15 through June 15
• Trout maintenance waters	
• Any water located within 1 mile upstream of a trout stocked or a trout maintenance water	
<b>2. Non-Trout Waters</b>	
• Waters that support general game fish	May 1 through June 30
• Waters that support pickerel	Ice out through April 30
• Waters that support walleye	March 1 through May 30
<b>3. Anadromous Waters</b>	
• All unimpeded tidal waters open to the Atlantic Ocean or any coastal bay	April 1 through June 30
• All waters identified as anadromous migratory pathways	
• Delaware River upstream of U.S. Route 202	April 1 through June 30 and September 1 through November 30
• Delaware River between U.S. Route 202 and Interstate 276 (Pennsylvania Turnpike Bridge)	March 1 through June 30
• Delaware River between Interstate 276 (Pennsylvania Turnpike Bridge) and Interstate 295 (Delaware Memorial Bridge)	March 1 through June 30 and September 1 through November 30
• Tidal portions of Raccoon, Rancocas Creek, Crosswicks Creeks and Cooper River	
• All unimpeded tidal waters open to the Delaware River downstream of Interstate 295 (Delaware Memorial Bridge)	March 1 through June 30 and October 1 through November 30
• Tidal portions of the Maurice River, Cohausey River and Salem River	



The combined effects of the timing restrictions above shall not restrict activities to less than 183 calendar days per year. The permittee shall coordinate with the Department in the event that the timing restrictions above would limit the activities to less than 183 calendar days per year.

**THREATENED AND ENDANGERED SPECIES SPECIFIC CONDITIONS:**

34. The following conditions are to be followed when conducting vegetation maintenance or other maintenance activities conducted with the footprint of existing features or structures.
- a. To the greatest extent feasible, vegetation maintenance within areas identified as State endangered or threatened faunal species habitat shall follow the guidance provided in the draft "*Utility Right-of-way No Harm Best Management Practices*", dated August 3, 2006, last revised July 2011 by the Department's Division of Fish and Wildlife, Endangered and Nongame Species Program. Relief from the recommended timing restrictions outlined in this document shall be coordinated as provided under condition 35 (a-f), below.
  - b. Pursuant to the Department's March 1993 Memorandum of Agreement with the U.S. Fish and Wildlife Service (USFWS), regulated activities can not adversely affect federally listed species. In order to ensure that all activities conducted under this permit do not result in adverse effects on federally listed species, we recommend that JCP&L consult directly with the USFWS to ensure compliance with the Endangered Species Act of 1973 and other relevant federal laws protecting federal trust resources.
  - c. Mowing of vegetation in State endangered or rare flora habitat as identified by the Natural Heritage Program (NHP) Grid maps and/or in a NHP Database Search letter will be conducted using small machinery, or by hand, and must be maintained at a minimum of 3 inches height. Any deviation from this guideline, for example, a lower maintenance height, requires prior DLUR review and approval. DLUR will respond within 60 days of notification by JCP&L.
  - d. Herbicide use in State endangered or rare flora habitat is prohibited unless specifically authorized by DLUR. Relief of this prohibition may be granted on a case by case basis after review of the justification for such relief. Such justification must be submitted to DLUR for review 60 days prior to proposed maintenance date.
  - e. On an annual basis Jersey Central Power and Light Company (JCP&L) will provide the Department's Division of Land Use Regulation (DLUR) with GIS compatible shapefiles of its bulk transmission Rights-of-Way (ROW) to be managed during the up-coming calendar year. Such shapefiles will have existing Landscape Threatened & Endangered (T&E) Species Habitat areas indicated on them. DLUR will, within 60 days, review the submitted shapefiles alongside any recent endangered or threatened flora or fauna data not available to JCP&L, and return comments to JCP&L regarding such changes. JCP&L will work with DLUR to develop practices designed to avoid harm to T&E species within regulated areas of the ROW.
35. In order to protect State and Federally listed threatened and endangered species, the following procedures must be employed by the permittee, Jersey Central Power and Light Company (JCP&L), at least 60 days prior to conducting any repair, replacement or maintenance activities (or as expeditiously as possible in association with any emergency repairs or maintenance) within regulated

areas approved by this authorization that will involve **activities other than ROW vegetation maintenance or work within existing footprints of disturbance.**

- a. Work location(s) and access disturbances shall avoid threatened and endangered species habitat(s) wherever feasible. The permittee, JCP&L, shall determine the possible presence of threatened or endangered species on or in the vicinity of proposed projects by utilizing the most current version of New Jersey's Landscape Project mapping (Version 3.1, at the time of permit authorization), as well as the New Jersey Natural Heritage Program Grid Map (NHP Grid Map).
- b. With regard to use of the NHP Grid Map, whenever a proposed work location falls within an area documented by the NHP Grid Map for an "S" ("seconds") precision plant record, and suitable habitat is deemed to exist within the proposed footprint of impact, further coordination with the Division of Land Use Regulation (DLUR) is required as outlined below. The permittee may make the assumption that there will be no adverse impact to protected plant species if the NHP Grid Map documentation is for an "M" ("minutes") precision record, or if an NHP letter confirms that the plant record(s) are not located within or immediately adjacent to the footprint of proposed activities.
- c. With regard to the use of the Department's Landscape Project maps, whenever a proposed work location falls within an area documented as rank 3, 4 or 5 and suitable habitat is deemed to exist within the proposed footprint of impact, further coordination with DLUR is required as outlined below.
- d. If further coordination is required as outlined in b and c above, JCP&L must notify the Department of the proposed activities. In an email addressed to both the appropriate DLUR project manager and the head of the Endangered & Threatened Species Unit (presently Larry Torok: [Larry.Torok@dep.nj.gov](mailto:Larry.Torok@dep.nj.gov)), JCP&L must include the following information:
  - i. The type of work proposed at the specific project area;
  - ii. The date(s) when the proposed activity is set to commence;
  - iii. The complete footprint of disturbance of wetlands impacts (both temporary and permanent) of the proposed project area or delineation of spans of ROW being maintained, electronically submitted in the form of a GIS shapefile (preferred) or USGS map (PDF);
  - iv. Identification of the threatened and/or endangered plant or animal species of concern, as well as any potential fisheries resources of concern; and
  - v. Identification of any potential project-related impacts to the resources cited in item "iv." above, and all proposed avoidance measures employed to eliminate potential impacts, proposed best management practices to minimize impacts, and/or proposed mitigation methods to restore anticipated impacts. The permittee should specifically address the ability to comply with/implement the timing restrictions and BMP's recommended for State listed species in the Division of Fish and Wildlife – Endangered and Nongame Species Program's "*Utility Right-of-way No Harm Best Management Practices*" spreadsheet (most recently revised July 2011), or should justify why this is not feasible at the particular project site.
- e. The Department will review and reply to the e-mail within 14 calendar days of receipt of such requests.

- i. "The proposed activities **will not adversely impact** threatened or endangered plant or animal species or their habitats, and JCP&L has satisfactorily demonstrated compliance with this permit condition," or;
  - ii. "The proposed activities **will not adversely impact** threatened or endangered plant or animal species or their habitats *provided* JCP&L accepts and complies with the following specific additional project related conditions or timing restrictions: (required conditions would be attached). Upon receipt of confirmation from JCP&L that the referenced additional permit conditions or timing restrictions required for the proposed project are accepted, JCP&L will have satisfactorily demonstrated compliance with this permit condition," or;
  - iii. "The activities, as proposed, **will adversely impact** threatened or endangered plant or animal species habitats. Additional coordination with the Department is required prior to the commencement of the proposed activities, including any clearing or site preparation." Coordination will commence between JCP&L and the Department to expeditiously remedy the areas of non-compliance, or the Department will indicate that the proposed project cannot be authorized under this blanket general permit.
- f. No work shall commence until JCP&L obtains confirmation from the Department, consistent with item "e.i)" or "e.ii)" above, that states that JCP&L has satisfactorily demonstrated compliance with this permit condition. Should the Department not respond within 14 days, compliance with this section has been demonstrated and the permittee may commence activities. Note: Emergency repair, replacement or maintenance projects or other time-sensitive situations which cannot be afforded the requested 60 days advance notice should be brought to the Department's attention immediately, and will be handled in a project-related timeline appropriate to ensure timely action may be taken by JCP&L.
36. These conditions do not alleviate JCP&L's need to comply with other state or federal laws that govern the protection of endangered or threatened species from direct or indirect "take" as defined under such laws.

**STANDARD CONDITIONS:**

**37. Responsibilities:**

- a. The permittee, its contractors and subcontractors shall comply with all conditions of this permit, authorizing and/or supporting documents and approved plans and drawings.
- b. A copy of this permit, other authorizing documents, records and information including all approved plans and drawings shall be maintained at the authorized site at all times and made available to Department representatives or their designated agents upon request.

**38. Permit modification:** Plans and specifications in the application and conditions imposed by this permit shall remain in full force and effect so long as the proposed development or any portion thereof is in existence, unless modified by the Department. No change in plans or specifications upon which this permit is issued shall be made except with the prior written permission of the Department. The filing of a request to modify an issued permit by the permittee, or a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.

**39. Duty to minimize environmental impacts:** The permittee shall take all reasonable steps to prevent, minimize or correct any adverse impact on the environment resulting from activities conducted

pursuant to the permit, or from noncompliance with the permit. The permittee shall immediately inform the Department of any unanticipated adverse effects on the environment not described in the application or in the conditions of this permit. The Department may, upon discovery of such unanticipated adverse effects, and upon the failure of the permittee to submit a report thereon, notify the permittee of its intent to suspend the permit

40. **Proper site maintenance:** While the regulated activities are being undertaken, neither the permittee, its contractors nor subcontractors shall cause or permit any unreasonable interference with the free flow of a regulated feature by placing or dumping any materials, equipment, debris or structures within or adjacent to the regulated area. Upon completion or abandonment of the work, the permittee, its contractors or subcontractors shall remove and dispose of in a lawful manner all excess materials, debris, equipment, silt fences and other temporary soil erosion and sediment control devices from all regulated areas. Only clean non-toxic fill shall be used where necessary.
41. **Sediment control:** Development which requires soil disturbance, creation of drainage structures, or changes in natural contours shall conduct operations in accordance with the latest revised version of "Standards for Soil Erosion Sediment Control in New Jersey," promulgated by the New Jersey State Soil Conservation Committee, pursuant to the Soil Erosion and Sediment Control Act of 1975, N.J.S.A. 4:24-42 et seq. and N.J.A.C. 2:90-1.3-1.14.
42. **Rights of the State:**
  - a. This permit does not convey any property rights of any sort, or any exclusive privilege.
  - b. Upon notification and presentation of credentials, the permittee shall allow Department representatives or their designated agents, to enter upon the project site and/or where records must be kept under the conditions of this permit, inspect at reasonable times any facilities, equipment, practices or operations regulated or required under the permit, and sample or monitor for the purposes of determining compliance. Failure to allow reasonable access shall be considered a violation of this permit and subject the permittee to enforcement action.
  - c. The issuance of this permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction, structure or structures. Neither the State nor the Department shall, in any way, be liable for the loss of life or property which may occur by virtue of the activity of development resulting from any permit.
43. **Duty to Reapply:** If the permittee wishes to continue an activity covered by the permit after the expiration date of the permit authorization, the permittee must apply for and obtain a new permit authorization.
44. **Transfer of Permit:** This permit may not be transferable to any person unless the transfer is approved by the Department. Please refer to the applicable rules for more information.
45. **Other Approvals:** The permittee must obtain any and all other Federal, State and/or Local approvals. Authorization to undertake a regulated activity under this permit does not indicate that the activity also meets the requirements of any other rule, plan or ordinance.
46. **Noncompliance:**
  - a. Any noncompliance with this permit constitutes a violation, and is grounds for enforcement action, as well as modification, suspension and/or termination of the permit.



- b. The permittee shall immediately report to the Department by telephone at (877) 927-6337 any noncompliance that may endanger health or the environment. In addition, the permittee shall report all noncompliance to Bureau of Coastal and Land Use Compliance and Enforcement, 401 E. State Street, 4th Floor, P.O. Box 420, Mail Code: 401-04C, Trenton, NJ 08625, in writing within five business days of the time the permittee becomes aware of the noncompliance. The written notice shall include: a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and, if the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter.

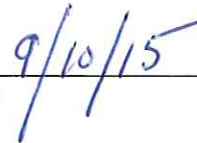
**47. Appeal of Permit:** In accordance with the applicable regulations, any person who is aggrieved by this decision or any of the conditions of this permit may request a hearing within 30 days after notice of the decision is published in the DEP Bulletin. This request must include a completed copy of the Administrative Hearing Request Checklist. The DEP Bulletin is available through the Department's website at <http://www.nj.gov/dep/bulletin> and the Checklist is available through the Division's website at [http://www.nj.gov/dep/landuse/download/lur\\_024.pdf](http://www.nj.gov/dep/landuse/download/lur_024.pdf). In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see the website [www.nj.gov/dep/odr](http://www.nj.gov/dep/odr) for more information about this process.

If you need clarification on any section of this permit or conditions, please contact at or via phone (609) 777-0450.

Approved By:

  
\_\_\_\_\_  
Christopher Jones, Manager  
Bureau of Urban Growth and Redevelopment  
Division of Land Use Regulation

Date

  
\_\_\_\_\_  
9/10/15

Original sent to Agent to record  
c: Permittee



## Summary of Aquatic Pesticide Permit Service

### Summary Of Aquatic Pesticide Permit Service

#### Service Information

**Service ID:** 909420

**Service Name:** Apply For Aquatic Pesticide Permit - February 12, 2019

**Created On:** 02/12/2019

**Project Description:** With over 200 miles of Right-Of-Way throughout Northern and Central New Jersey, thousands of properties will be worked upon. Mail and/or personal contact will be made in all instances by a third party contractor and JCP&L staff. All records of contact will be held by contractors and employees for up to five years.

#### Aquatic Site Information

**Aquatic Site Name:** JCPL NORTH BULK/NORTH SUB ROW

**County/Municipality:** Morris/Morris Twp

**Site State Plane Coordinate(X):** 505846.07

**Site State Plane Coordinate(Y):** 710328

#### Set Aquatic Site Information

**Line 1:** N/A

**Line 2:**

**Line 3:**

**City:** Morris Twp (Morris)

**State:** New Jersey

**Zip Code:** 07960

**County:** Morris

**Municipality:** Morris Twp

**Set Location X Coordinate:** 505846.07

**Set Location Y Coordinate:** 710328



Permit Start Year:

2019

For this aquatic site, do water usage types apply? No

Type of Outlet:

Wetlands

Receiving Waters:

Maps available by request

For this aquatic site, are there any wells with intakes less than 50 feet in depth, within 50 feet of any potential treatment area? Yes

Well Water Usage ID	Well Water Usage
1	Potable Water

For this aquatic site, do trout restrictions apply? No

Please select all pest problems for this aquatic site that you are aware of (you must select at least one):

Pest ID	Pest
1	Aspens and Poplars - Populus sp.
2	Autumn Olive - Elaagnus umbellata
3	Black Willow - Salix nigra
4	Multiflora Rose - Rosa multiflora
5	Red Maple - Acer rubrum
6	Willow Species - Salix sp.

Are there any Integrated Pest Management practices currently being used at this aquatic site? No

Does your proposed treatment program require other DEP permits? Yes

Permit ID	Permit Type
1	Wetlands Permit

Is this aquatic site owned or controlled by only one person?: No

☒ I hereby certify that I will obtain consent from all owners/controllers for this treatment program.

**Detailed explanation of all entities that own/control this aquatic site in addition to the contracting party:**

With over 200 miles of Right-Of-Way throughout Northern and Central New Jersey, thousands of properties will be worked upon. Mail and/or personal contact will be made in all instances by a third party contractor and JCP&L staff. All records of contact will be held by contractors and employees for up to five years.

**Applicator Business License #:** 98361A

**Applicator Business Name:** THE DAVEY TREE EXPERT CO

**Pesticide Product Information**

ID	Product	Product Name	EPA Registration #	Primary Pest Targeted	Max Dosage Rate	Application Method	Proposed Treatment Area (surface acres)	Treatment Area Avg. Depth (in feet)
1	GARLON 3A SPECIALTY HERBICIDE/062719-00037	GARLON 3A SPECIALTY HERBICIDE	062719-00037	Maple - Acer sp.	8 qt/A	From Land	75	0.5
2	ARSENAL HERBICIDE APPLICATORS CONCENTRATE/000241-00299	ARSENAL HERBICIDE APPLICATORS CONCENTRATE	000241-00299	Multiflora Rose - Rosa multiflora	40 oz/A	From Land	75	0.5
3	RODEO HERBICIDE/062719-00324	RODEO HERBICIDE	062719-00324	Autumn Olive - Elaeagnus umbellata	6 pt/A	From Land	75	0.5
4	VASTLAN/062719-00687	VASTLAN	062719-00687	Maple - Acer sp.	2 lbs ai/A/year	From Land	75	0.5

**Uploaded Attachments**

Attachment Type	Attachment Description	File Name
Aquatic Site Diagram (Required)	Include treatment sites and Contracting Party info	DTE AUP Northern Info.xlsx

**Contacts**

**Name:** Charles Larkey  
**Title:** Commercial Pesticide Applicator  
**Contact Type:** Permittee

**Organization Name:**  
**Organization Type:**  
**E-Mail:** Charles.Larkey@davey.com  
**Phone:** (609) 970-8492 (Cell Phone Number)  
**Contact Address:** PO Box 436  
Mantua, New Jersey 08051

**Name:** JOSE RIVERA  
**Title:**  
**Contact Type:** Permittee Employer  
**Organization Name:** THE DAVEY TREE EXPERT CO  
**Organization Type:** Private  
**E-Mail:** jose.rivera@davey.com  
**Phone:** (609) 752-7016 (Work Phone Number)  
**Contact Address:** P O BOX 436  
Mantua, New Jersey 08051

**Certification**

**Certifier:** Kevin O'Connor  
**Certifier ID:** JCPLFORESTRY  
**Challenge/Response Question:** Something you always wanted to do?  
**Challenge/Response Answer:** \*\*\*\*\*  
**Certification PIN:** \*\*\*\*\*  
**Date/Time of Certification:** 04/02/2019 15:00

I certify that this Aquatic Pesticide Permit submission is, to the best of my knowledge and belief, true, accurate and complete. Inaccurate or incomplete submissions may result in a revocation of the permit and further legal action.

**Kevin O'Connor** 04/02/2019  
**Individual With Direct Knowledge** **Date**

Certific...

Certifier ID:

Challenge/Response Question:

Challenge/Response Answer:

Certification PIN:

Date/Time of Certification:

Charles Larkey

LARKEY123

What is your favorite game?

\*\*\*\*\*

\*\*\*\*\*

04/02/2019 16:32

I certify that this Aquatic Pesticide Permit submission is, to the best of my knowledge and belief, true, accurate and complete. Inaccurate or incomplete submissions may result in a revocation of the permit and further legal action.

Charles Larkey

Commercial Pesticide Applicator

04/02/2019

Date

### Payment Information

Status:

Paid

Confirmation Number(s): 016007

Total Payment Amount: \$150.00

Payment Date:

04/02/2019

Payment Method:

Pay via Credit Card

Credit Card Service Fee: \$3.85

Total Amount Charged: \$153.85



## **ATTACHMENT L**

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### **Sample of Standard and Emergency Doorknob Notification**





FRONT

**FirstEnergy**

Ohio Edison • The Illuminating Company • Toledo Edison  
Met-Ed • Penskelec • Penn Power • Jersey Central Power & Light  
West Penn Power • Mon Power • Potomac Edison

**PLEASE COMPLETE AND SIGN THE REVERSE  
SIDE OF THIS FORM AND HANG IT ON YOUR  
DOOR FOR PICK UP TOMORROW**

Some of the trees on your property have grown near the electric line(s) and require removal and/or pruning.

\_\_\_\_\_ is attempting to notify you about performing vegetation clearance on the power line right-of-way. This work is being scheduled to help prevent electric service interruptions to you and the rest of our customers supplied by these facilities. This work will be performed at no expense to you and will be completed by professional tree contractors using proper arboricultural practices.

The maintenance work intended for your property is indicated below.

☐ **Remove Trees.** (Large wood remains on site) \_\_\_\_\_

☐ **Clear Right-of-Way.** (Selectively clear tall-growing, woody plant species within the right-of-way and the occasional off right-of-way tree which threatens service.)

☐ **Brush Disposal Method.** \_\_\_\_\_

☐ **Apply Herbicides.** (Selectively apply EPA registered and approved herbicides to control tall-growing, woody plant species on the right-of-way.)

☐ **Prune Trees.** \_\_\_\_\_

☐ **Other.** \_\_\_\_\_

Work is scheduled to start after: \_\_\_\_\_

BACK

☐ Yes, I am the property owner and have read your notice about right-of-way maintenance.

\_\_\_\_\_(Signature)

\_\_\_\_\_(Date)

☐ No, I am not the property owner. Please contact:

\_\_\_\_\_(Owner's Name)

\_\_\_\_\_(Phone No.)

☐ I would like to discuss the work indicated on the reverse side, before it is performed. Please contact me at ( ) \_\_\_\_\_ - \_\_\_\_\_ at the following day(s) and time(s):

\_\_\_\_\_

\_\_\_\_\_

☐ Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**CONTACT INFORMATION**

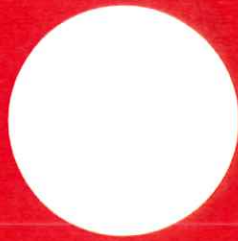
Name

Phone No.

Q. How will the trees be pruned?

A. When tree pruning is prescribed a method called "Natural Directional Pruning" is used. This method is recommended by the International Society of Arboriculture and the National Arborists Association as the most desirable method. The amount pruned from the powerline depends upon the species of tree. Fast-growing trees such as maples, sycamores, willows and locusts must be pruned to achieve greater clearance distances that slower-growing species like spruce.





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## EMERGENCY WORK

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Emergency work in your area has required tree clearing. The resulting tree debris was left in as safe a manner as conditions allowed.

Since this is not part of our scheduled tree maintenance operations, clean up of the debris created by the emergency is the responsibility of the property owner.

Signed \_\_\_\_\_

***FirstEnergy***

*Ohio Edison • The Illuminating Company • Toledo Edison  
Met-Ed • Penelec • Penn Power • Jersey Central Power & Light*

FORM 441 (REV. 12-03)  
ID NO. 58059883

FORM 441  
ID NO. 58059883  
Door Hanger  
Color - Fluorescent Strawberry  
Actual size - 4.25 x 8  
This form is ordered  
from Stationery - A-GO-2  
using FORM X-2092