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cc: Adm.

Delivery Projects & Construction
Public Service Electric and Gas Company
4000 Hadley Road, South Plainfield, New Jersey 07080
Tel: 908-412-7257



17 February 2015

**FLOOD HAZARD AREA INDIVIDUAL PERMIT APPLICATION
NOTICE TO COUNTY AND MUNICIPAL CLERKS**

**RE: NJDEP DIVISION OF LAND USE REGULATION PROGRAM APPLICATION
SUBMITTED BY PUBLIC SERVICE ELECTRIC AND GAS COMPANY (PSE&G) IN
SUPPORT OF ELECTRIC OVERHEAD TRANSMISSION RIGHTS-OF-WAY VEGETATION
MAINTENANCE - SELECTIVE HERBICIDE APPLICATION**

**REGARDING PROPERTY WITHIN THE ENTIRE PSE&G SERVICE AREA ENCOMPASSING
16 NEW JERSEY COUNTIES AND THEIR APPROXIMATELY 149 MUNICIPALITIES**

Dear County and Municipal Clerks:

PSE&G is sending you this letter to inform you that PSE&G will be submitting an application for a permit approval to the New Jersey Department of Environmental Protection (NJDEP) under the Flood Hazard Area Control Act Rules, N.J.A.C. 7:7-13. The requested permit approval will authorize PSE&G to conduct regulated activities on the overhead electric transmission line Rights-of-Way.

If approved, the permit will authorize PSE&G to selectively apply herbicide to vegetation within riparian zones, as part of the PSE&G Integrated Vegetation Management (IVM)/Vegetation Management Program Activities in order to meet both the New Jersey Board of Public Utilities (BPU) and the North American Electric Reliability Corporation (NERC) regulations concerning vegetation heights along overhead electric transmission line rights-of-way. This activity is required by the BPU and NERC in order to maintain the reliability of the regional electric transmission system.

The NJDEP regulates construction within flood hazard areas and riparian zones adjacent to certain waters. A Flood Hazard Area Individual Permit is required for this proposed Project because some of the work proposed is located within a flood hazard or riparian zone. This application for a Flood Hazard Area Individual Permit is required for the selective application of herbicide in riparian zones as part of the PSE&G IVM/Vegetation Maintenance Program Activities as described on the attached application form; and this work will take place in the locations identified on the attached application form.

PSE&G currently holds Permit DLUR File No. 0000-02-0031.2 FWW 090001 for Overhead and Underground Electric Transmission Rights-of-Way, issued during September 2011, which is for Freshwater Wetlands Statewide General Permit 1, Water Quality Certificate and Waiver of Transition Areas for Access and covers the same Municipalities in the same Counties in New Jersey for which this Flood Hazard Area Individual Permit is being requested. This Permit authorizes PSE&G to carry out the temporary disturbance of wetlands and state open waters for the purpose of vegetation maintenance and management in existing Rights-of-Way, access road improvements, tower foundation repairs, transmission line re-conductoring, and repairing underground insulation and shielding tapes.

The permit approval being requested, will be utilized in conjunction with holds Permit DLUR File No. 0000-02-0031.2 FWW 090001 for Overhead and Underground Electric Transmission Rights-of-Way as

Notice to County and Municipal Clerks

part of PSE&G's IVM/Vegetation Management Program Activities to maintain the reliability of the regional electric transmission system.

If you have any comments or questions regarding this application, please write to the NJDEP at the following address and include a copy of the first page of the attached application form to:

Attn: Richard Reilly, Section Chief
New Jersey Department of Environmental Protection,
Land Use Regulation Program
501 E. State Street, Mail Code 501-02A,
P.O. Box 420
Trenton, New Jersey 08625-0420

With regard to the application for a Flood Hazard Area Individual Permit, your comments must be sent within 15 calendar days of your receipt of this letter to ensure that the NJDEP will be able to consider your concerns during its review of this application. You can submit comments after this date but the NJDEP may not be able to address your concerns. You can also contact the NJDEP by telephone at (609) 292-0060 and can obtain general information about the Flood Hazard Area program at the following website: www.nj.gov/dep/landuse.

When the NJDEP has decided whether or not the application qualifies for approval under the Flood Hazard Area Control Act Rules, NJDEP will notify the clerk of the final decision on the application.

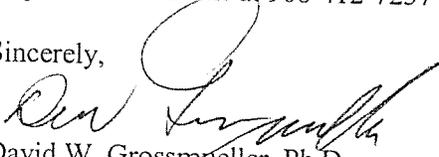
Comments or questions about the application may be addressed to:

Public Service Electric and Gas Company
David W. Grossmueller, Ph.D.
Senior Permitting Specialist
4000 Hadley Road
South Plainfield, New Jersey 07080

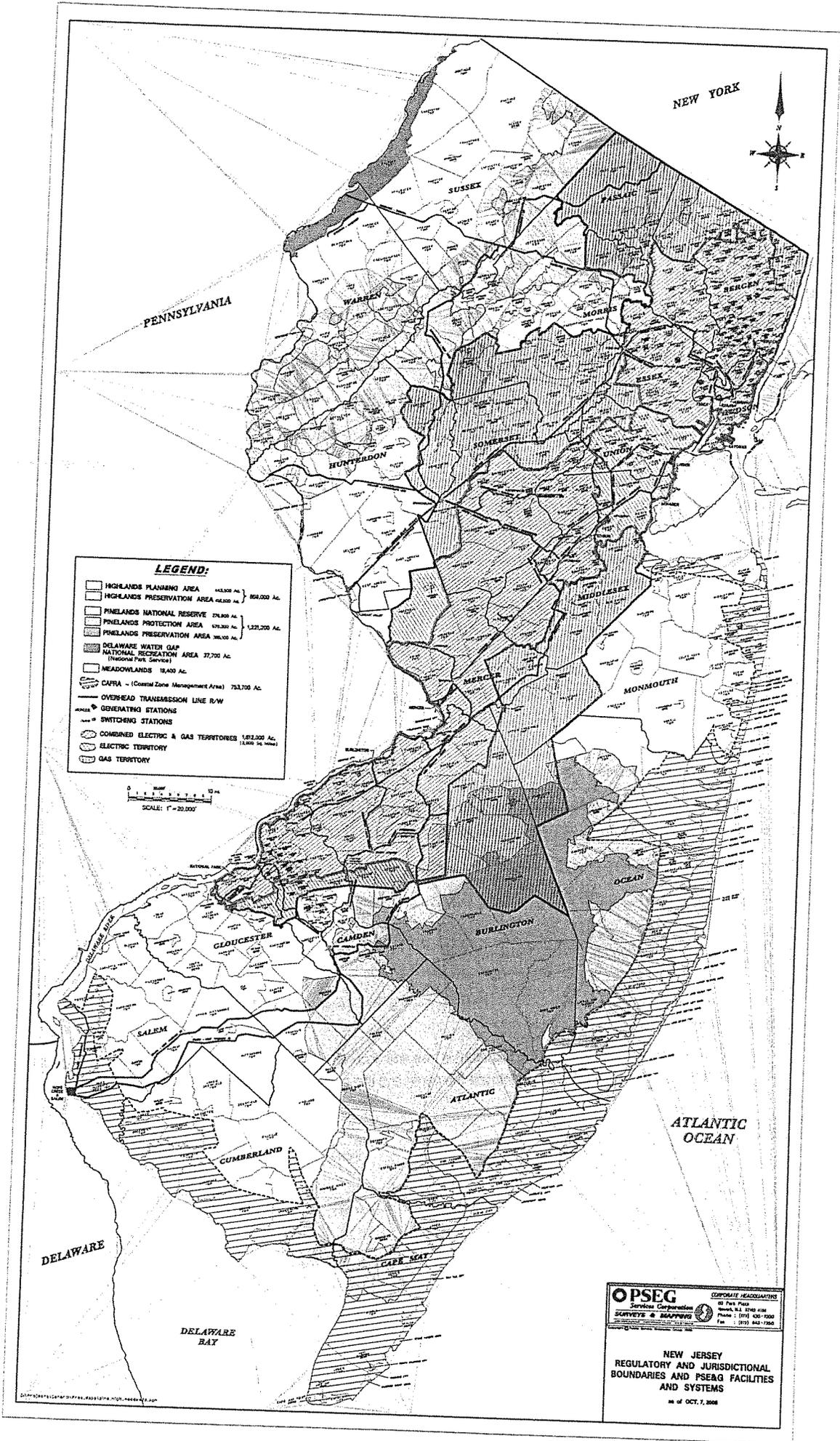
Municipal Clerks are requested to keep one (1) copy of this Public Notification available for public inspection, while distributing one (1) copy of this Public Notification to the Planning Board and one (1) copy of this Public Notification to the Environmental Commission if one exists in your Municipality.

If you have specific questions about this application, please feel to contact me at the address below or you may also contact me at 908-412-7257 or at david.grossmueller@pseg.com.

Sincerely,


David W. Grossmueller, Ph.D.
Public Service Electric and Gas Company

Enclosures:
Area Map and DLUR Form
Municipal Clerks - Three (3) Copies



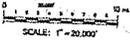
PENNSYLVANIA

NEW YORK



LEGEND:

- HIGHLANDS PLANNING AREA 143,000 AC. } 808,000 AC.
- HIGHLANDS PRESERVATION AREA 665,000 AC. }
- PINELANDS NATIONAL RESERVE 276,800 AC.
- PINELANDS PROTECTION AREA 579,300 AC. } 1,221,200 AC.
- PINELANDS PRESERVATION AREA 365,100 AC. }
- DELAWARE WATER GAP NATIONAL RECREATION AREA 37,700 AC. (National Park Service)
- MEADOWLANDS 19,400 AC.
- CAPRA - (Coastal Zone Management Area) 753,700 AC.
- OVERHEAD TRANSMISSION LINE R/W
- GENERATING STATIONS
- SWITCHING STATIONS
- COMBINED ELECTRIC & GAS TERRITORIES 1,612,000 AC. (1,800 sq. miles)
- ELECTRIC TERRITORY
- GAS TERRITORY



DELAWARE

DELAWARE BAY

ATLANTIC OCEAN

OPSEG CORPORATE HEADQUARTERS
 Service Corporation
 40 Park Plaza
 Newark, N.J. 07102-4100
 Phone: (973) 621-1200
 SURVEYS & MAPPING Fax: (973) 643-7500

NEW JERSEY
 REGULATORY AND JURISDICTIONAL
 BOUNDARIES AND PSEG FACILITIES
 AND SYSTEMS
 as of OCT. 7, 2008



State of New Jersey
Department of Environmental Protection
 Division of Land Use Regulation Application Form (DLUR)
 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 unless otherwise noted

Is this project Superstorm Sandy Related Yes No

1. Applicant/Company: Mr./Ms./Mrs Public Service Electric & Gas Company
 Address: 4000 Hadley Road
 City/State: South Plainfield, New Jersey

E-Mail: David.Grossmueller@pseg.com
 Daytime Phone: (908) 412-7257 Ext. _____
 Zip Code 07080 Cell Phone: (908) 510-8708

2. Agent Name: Mr./Ms./Mrs _____
 Firm Name: _____
 Address: _____
 City/State: _____

E-Mail: _____
 Daytime Phone: _____ Ext. _____
 Zip Code _____ Cell Phone: _____

3. Property Owner: Mr./Ms./Mrs Mr. Robert T. Pollock c/o Public Service Electric & Gas Company
 Address: 4000 Hadley Road
 City/State: South Plainfield, New Jersey

E-mail: Robert.Pollock@pseg.com
 Daytime Phone: (908) 412-7262 Ext. _____
 Zip Code 07080 Cell Phone: _____

4. Project Name: Electric Overhead Transmission Rights-of-Way Vegetation Maintenance - Selective Herbicide Application
 Municipality: Various Municipalities - Refer to Attachment #1*
 Block(s): Various - Refer to Attachment #1*

Address/Location: Various - Refer to Attachment #1*
 County: Various Counties - Refer to Attachment #1*
 Lot(s): Various - Refer to Attachment #1*

N.A.D. 1983 State Plane Coordinates(feet) E (x): Various N(y): Various
 Watershed: Various - Refer to Attachment #1* Subwatershed: Various - Refer to Attachment #1*
 Nearest Waterway: Various - Refer to Attachment #1*

Not Longitude/Latitude (www.nj.gov/dep/gis/geoweb splash.htm)

5. Project Description: Refer to Attachment #1*, which immediately follows this completed DLUR Form

Provide if applicable: Previous LUR File # (s): 0000-02-0031.2 FWW 090001 Waiver request ID # (s): _____

A. SIGNATURE OF APPLICANT (required):

I certify, under penalty of law, that the information provided in this document is true and accurate. I am aware that there are significant civil and criminal penalties for submitting false or inaccurate information. If corporate entity, print/type the name and title of the person signing on behalf of the corporate entity.

David W. Grossmueller
 Signature of Applicant

18 Feb 2015
 Date

David W. Grossmueller c/o Public Service Electric & Gas Company
 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 grants permission for the conduct of the proposed activity. In addition, I hereby give unconditional written consent 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 No
- 2. Whether any part of the entire project (e.g., pipeline, roadway, cable, transmission line, structure, etc.) will be located within property belonging to the State of New Jersey? Yes No
- 3. Whether any work is to be done on any property owned by any public agency that would be encumbered by Green Acres? Yes No
- 4. Whether any part of this project requires a Section 106(National Register of Historic Places) Determination as part of a federal permit or approval? Yes No



 Signature of Owner

 2/19/15

 Date
 Robert T. Pollock c/o Public Service Electric & Gas Company

 Print Name

 Signature of Owner

 Date

 Print Name

C. APPLICANT'S AGENT

I _____, the Applicant/Owner and _____, co-Applicant/Owner authorize to act as my agent/representative in all matters pertaining to my application the following person:

 Name of Agent

 Occupation/Profession of Agent

 Signature of Applicant/Owner

 Signature of co-Applicant/Owner

AGENT'S CERTIFICATION:

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

 Signature of Agent

NOTARY: (Required for Flood Hazard Area (FHA) applications)

Sworn to me, this day of: _____, 20 _____

 Notary Public

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

I hereby certify that the plans, specifications and engineer's report, if any, applicable to this project comply with the current rules and regulations of the New Jersey Department of Environmental Protection with the exceptions as noted. In addition, I certify the application is complete as per the appropriate checklist(s).

 Signature

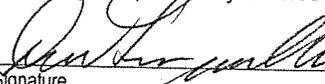
 Print Name

 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 the information submitted in the 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 in accordance with the appropriate checklist(s). I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.



 Signature
 David W. Grossmueller, Ph.D.

 Print Name
 Senior Permitting Specialist, Public Service Electric & Gas Company

 Position & Name of Firm

 Professional License # _____ Date 18 Feb 2015
 (If Applicable)

F. APPLICATION(S) FOR: (Check all that apply)

	CAFRA	Fee Amount	Fee Paid
<input type="checkbox"/>	Individual Permit		
<input type="checkbox"/>	Exemption Request	\$500.00	
<input type="checkbox"/>	Permit Modification		
<input type="checkbox"/>	CAFGP5 / Amusement Pier Exp	\$1,000.00	
<input type="checkbox"/>	CAFGP6 / Beach/Dune Maintenance	\$1,000.00	
<input type="checkbox"/>	CAFGP7 / Voluntary Reconstruction	\$1,000.00	
<input type="checkbox"/>	CAFGP8 / New Single Family or Duplex	\$1,000.00	
<input type="checkbox"/>	CAFGP9 / Reconstruct Single Fam/Dup	\$1,000.00	
<input type="checkbox"/>	CAFGP10 / New Bulkhead/Fill Lagoon	\$1,000.00	
<input type="checkbox"/>	CAFGP11 / Revetment	\$1,000.00	
<input type="checkbox"/>	CAFGP12 / Gabions	\$1,000.00	
<input type="checkbox"/>	CAFGP13 / Support Facilities/ Marina	\$1,000.00	
<input type="checkbox"/>	CAFGP14/Reconst Bulkhead above MHWL	\$1,000.00	
<input type="checkbox"/>	CAFGP15 / Hazard Waste Clean-up	\$1,000.00	
<input type="checkbox"/>	CAFGP16 / Landfill of Utilities	\$1,000.00	
<input type="checkbox"/>	CAFGP17 / Recreat Facility Public Park	\$1,000.00	
<input type="checkbox"/>	CAFGP18 / BulkheadConstruct/Fill upland	\$1,000.00	
<input type="checkbox"/>	CAFGP21 / Shoreline Stabilization	\$1,000.00	
<input type="checkbox"/>	CAFGP22 / Avian Nesting Structures	\$1,000.00	
<input type="checkbox"/>	CAFGP23 / Electrical Sub Facility	\$1,000.00	
<input type="checkbox"/>	CAFGP24 / Legalize Filling of Tidelands	\$1,000.00	
<input type="checkbox"/>	CAFGP25 / Construct Telecom Tower	\$1,000.00	
<input type="checkbox"/>	CAFGP26 / Tourism Indust. Construction	\$1,000.00	
<input type="checkbox"/>	CAFGP27 / Geotechnical Borings	\$1,000.00	
<input type="checkbox"/>	CAFGP29/Habitat Create/Restore/Enhance	No Fee	No Fee
<input type="checkbox"/>	CAFGP30 / 1 to 3 Turbines < 200 Feet	\$1,000.00	
<input type="checkbox"/>	CAFGP31 / Wind Turbines < 250 Feet	\$1,000.00	
<input type="checkbox"/>	Individual Permit Equivalency/CERCLA	No Fee	No Fee

	Waterfront Development	Fee Amount	Fee Paid
<input type="checkbox"/>	WDGP10 / New Bulkhead/Fill Lagoon ≤ 75'	\$1,000.00	
<input type="checkbox"/>	WDGP14 / Reconstruct Bulkhead	\$1,000.00	
<input type="checkbox"/>	WDGP19/Dock/Piers/Boat Lifts Lagoon	\$1,000.00	
<input type="checkbox"/>	WDGP20 / Minor Maint Dredge Lagoon	\$1,000.00	
<input type="checkbox"/>	WDGP21 / Shoreline Stabilization	\$1,000.00	
<input type="checkbox"/>	WDGP32 / Dredge Lagoon (post storm event)	\$1,000.00	
<input type="checkbox"/>	WDGP33 / Dredge post Bulkhead Failure	\$1,000.00	
<input type="checkbox"/>	WDGP34 / Dredge Marina (post storm event)	\$1,000.00	
<input type="checkbox"/>	WDGP35 / Aquaculture Activities	\$1,000.00	
<input type="checkbox"/>	WDGP36/Placement of Shell (shellfish areas)	\$1,000.00	
<input type="checkbox"/>	Individual Permit/Upland		
<input type="checkbox"/>	Individual Permit/Inwater		
<input type="checkbox"/>	Zane Letter	\$500.00	
<input type="checkbox"/>	Modification		
<input type="checkbox"/>	Individual Permit Equivalency/CERCLA	No Fee	No Fee

	Coastal/Tidal Wetlands	Fee Amount	Fee Paid
<input type="checkbox"/>	Coastal/Tidal Wetlands Permit		
<input type="checkbox"/>	Coastal Wetland Permit Modification		

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

	Flood Hazard Area	Fee Amount	Fee Paid
<input type="checkbox"/>	FHA Verification		
<input checked="" type="checkbox"/>	FHA Individual Permit	\$3,000.00	\$3,000.00
<input type="checkbox"/>	FHA Hardship Exception (Stand Alone)	\$4,000.00	
<input type="checkbox"/>	FHAGP1 / Chan Clean w/o Sed Removal	No Fee	No Fee
<input type="checkbox"/>	FHAGP1 / Chan Clean w/Sed Removal	No Fee	No Fee
<input type="checkbox"/>	FHAGP2A / Ag - Bank Restoration	\$1,000.00	
<input type="checkbox"/>	FHAGP2B / Ag - Channel Cleaning	\$1,000.00	
<input type="checkbox"/>	FHAGP2C / Ag - Road Crossing	\$1,000.00	
<input type="checkbox"/>	FHAGP2D / Ag - Wetlands Restoration	\$1,000.00	
<input type="checkbox"/>	FHAGP2E / Ag - Livestock Ford	\$1,000.00	
<input type="checkbox"/>	FHAGP2F / Ag - Livestock Fence	\$1,000.00	
<input type="checkbox"/>	FHAGP2G / Ag - Livestock Water Intake	\$1,000.00	
<input type="checkbox"/>	FHAGP3 / Bridge/Culvert Scour Protection	\$1,000.00	
<input type="checkbox"/>	FHAGP4 / Stormwater Maintenance	\$1,000.00	
<input type="checkbox"/>	FHAGP5 / Building Relocation	\$1,000.00	
<input type="checkbox"/>	FHAGP6 / Rebuild Damaged Home	No Fee	No Fee
<input type="checkbox"/>	FHAGP7 / Residential in Tidal FHA	\$1,000.00	
<input type="checkbox"/>	FHAGP8 / Utility Crossing <50acres	\$1,000.00	
<input type="checkbox"/>	FHAGP9 / Road Crossing <50acres	\$1,000.00	
<input type="checkbox"/>	FHAGP10 / Stormwater Outfall <50acres	\$1,000.00	
<input type="checkbox"/>	Revision of a GP, IP or Verification		
<input type="checkbox"/>	Transfer of an Approval	No Fee	No Fee
<input type="checkbox"/>	FHA Indv. Permit Equivalency/CERCLA	No Fee	No Fee

	Stormwater Review Fees	Fee Amount	Fee Paid
<input type="checkbox"/>	Fee for all Stormwater Reviews		

	Consistency Determination	Fee Amount	Fee Paid
<input type="checkbox"/>	Water Quality Certificate		
<input type="checkbox"/>	Federal Consistency	No Fee	No Fee
<input type="checkbox"/>	HMC Water Quality Certificate		

	Highlands	Fee Amount	Fee Paid
<input type="checkbox"/>	Emergency Permit		
<input type="checkbox"/>	Pre-application Meeting	\$500.00	
<input type="checkbox"/>	Preservation Area Approval		
<input type="checkbox"/>	Resource Area Determination footprint		
<input type="checkbox"/>	Resource Area Determination ≤one acre	\$500.00	
<input type="checkbox"/>	Resource Area Determination >one acre		
<input type="checkbox"/>	HPAAGP 1/ Habitat Creation/Enhance	No Fee	No Fee
<input type="checkbox"/>	HPAAGP 2 Bank Stabilization	\$500.00	
<input type="checkbox"/>	PAA with Waiver (Specify type below)		

	Freshwater Wetlands	Fee Amount	Fee Paid
<input type="checkbox"/>	FWGP1 / Main. & repair Exist Feature	\$1,000.00	
<input type="checkbox"/>	FWGP2 / Utility Crossing	\$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 Closure	\$1,000.00	
<input type="checkbox"/>	FWGP6 / Filling of NSWC	\$1,000.00	
<input type="checkbox"/>	FWGP6A /TA- Filling of NSWC	\$1,000.00	
<input type="checkbox"/>	FWGP7 / Fill ditch / swale	\$1,000.00	
<input type="checkbox"/>	FWGP8 / House Addition	\$1,000.00	
<input type="checkbox"/>	FWGP9 / Airport Sightline Clearing	\$1,000.00	
<input type="checkbox"/>	FWGP10A / Very Minor Road Crossing	\$1,000.00	
<input type="checkbox"/>	FWGP10B / Minor Road Crossing	\$1,000.00	
<input type="checkbox"/>	FWGP11 / Outfalls / Intakes	\$1,000.00	
<input type="checkbox"/>	FWGP12 / Survey / Investigation	\$1,000.00	
<input type="checkbox"/>	FWGP13 / Lake Dredging	\$1,000.00	
<input type="checkbox"/>	FWGP14 / Water Monitoring	\$1,000.00	
<input type="checkbox"/>	FWGP15 / Mosquito Control	\$1,000.00	
<input type="checkbox"/>	FWGP16 / Habitat Create / Enhance	No Fee	No Fee
<input type="checkbox"/>	FWGP17 / Trails / Boardwalks		
<input type="checkbox"/>	FWGP17A / Multiuse paths	\$1,000.00	
<input type="checkbox"/>	FWGP18 / Dam Repairs	\$1,000.00	
<input type="checkbox"/>	FWGP19 / Dock or Pier	\$1,000.00	
<input type="checkbox"/>	FWGP20 / Bank Stabilization	\$1,000.00	
<input type="checkbox"/>	FWGP21 / Above Ground Utility	\$1,000.00	
<input type="checkbox"/>	FWGP23 / Expand Cranberry	\$1,000.00	
<input type="checkbox"/>	FWGP24 / Spring Developments	\$1,000.00	
<input type="checkbox"/>	FWGP25 / Malfunction Septic System	No Fee	No Fee
<input type="checkbox"/>	FWGP26 / Channel / Stream Clean	\$1,000.00	
<input type="checkbox"/>	FWGP27 / Redevelop Disturbed Site	\$1,000.00	
<input type="checkbox"/>	FWGP Modification	\$500.00	
<input type="checkbox"/>	FWGP Extension	\$500.00	

	Freshwater Wetlands	Fee Amount	Fee Paid
<input type="checkbox"/>	Individual Wetlands Permit		
<input type="checkbox"/>	Individual Open Water Permit		
<input type="checkbox"/>	Individual Water Quality Certificate		
<input type="checkbox"/>	Individual Permit Mod. Major/Minor		
<input type="checkbox"/>	Individual Permit Extension		
<input type="checkbox"/>	Wetlands Exemption	\$500.00	
<input type="checkbox"/>	Permit Equivalency/CERCLA	No Fee	No Fee

	Transition Area Waiver		
<input type="checkbox"/>	Averaging Plan		
<input type="checkbox"/>	Reduction		
<input type="checkbox"/>	Hardship Reduction		
<input type="checkbox"/>	Special Activity Stormwater		
<input type="checkbox"/>	Special Activity Linear Development		
<input type="checkbox"/>	Special Activity Redevelopment		
<input type="checkbox"/>	Special Activity Individual Permit		
<input type="checkbox"/>	Exemption	\$500.00	
<input type="checkbox"/>	Modification Major/Minor		
<input type="checkbox"/>	Extension	\$500.00	

	Letter of Interpretation		
<input type="checkbox"/>	Presence Absence	\$1,000.00	
<input type="checkbox"/>	Presence Absence Footprint	\$1,000.00	
<input type="checkbox"/>	Delineation < 1.00 Acres	\$1,000.00	
<input type="checkbox"/>	Verification		
<input type="checkbox"/>	Extension		

Please note:

If no fee amount is specified in the "Fee Amount" column, please refer to the Regulatory Fee Schedule which can be found at www.nj.gov/dep/landuse/forms.html. The following types of applications DO NOT require a fee submittal:

- CAFRA
 - General Permit # 29 - Habitat creation, restoration, enhancement and living shoreline activities
 - Individual Permit Equivalency - CERCLA

- Applicability Determinations
 - Coastal Jurisdictional Determination
 - Highlands Jurisdictional Determination
 - Flood Hazard Area Applicability
 - Executive Order 215

- Flood Hazard Area
 - General Permit #1 - Channel cleaning under the Stream Cleaning Act without Sediment Removal
 - General Permit #1 - Channel cleaning under the Stream Cleaning Act with Sediment Removal
 - General Permit #6 - Reconstruction of a damaged or destroyed residence
 - Transfer of Approval
 - Individual Permit Equivalency - CERCLA

- Federal Consistency
 - Federal Consistency Determination

- Highlands
 - General Permit #1 - Habitat Creation, Restoration, Enhancement

- Freshwater Wetlands
 - General Permit #16 - Habitat creation and enhancement activities
 - General Permit #17 - Trails and Boardwalks (NO FEE when the activity is proposed on publicly owned lands)
 - General Permit #25 - Malfunctioning individual subsurface sewage disposal (septic) systems
 - Individual Permit Equivalency - CERCLA

Also:

In addition to the standard paper submission, an electronic copy of the entire application, including plans, may be submitted on CD-ROM to assist the Department in the review this application. Plans should be submitted as a CAD file or Shapefile, georeferenced in NJ state plane feet NAD83. Please do NOT send the electronic version via E-Mail.

Electronic permitting and/or application submittal is available for specific applications. Please see the Division website at www.nj.gov/dep/landuse/epermit.html for more information.

APPLICANT NAME: Public Service Electric & Gas Company

FILE # (if known): _____

DLUR 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	_____	_____	_____
CAFRA FORESTED (CAFRA IP - Only)	_____	_____	_____
E & T HABITAT 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	_____	_____
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	_____	_____

Appendix II - Fee Calculation Sheet

Directions:

The Fee Calculation sheet is broken down by the types of programs administered by the Division of Land Use Regulation: Coastal, Flood Hazard Area, Freshwater Wetlands, Stormwater Review.

Use the abbreviation key below in order to identify the type(s) of applications that you need to submit for your project. Once you find your application type(s) work through the **calculation column** and place the figure on the **fee amount** line. Do this for each application type and subtotal each section. In section 5 – enter the subtotals as indicated and add the fee figures to find your total fee.

- Whenever the calculation requires an acreage figure, 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.
- No matter how many types of applications are required, the stormwater review fee is applied only one time.

Abbreviation KEY

CAFRA = CAF	General Permit = GP	Single Family Home = SFH
Coastal (Tidal) Wetlands = CSW	Individual Permit = IP	Transion Area Waiver = TAW
Extension = EXT	Letter of Interpretation = LOI	Verification = VER
Flood Hazard Area = FHA	Mean High Water Line = MHWL	Waterfront Development = WD
Freshwater Wetlands = FWW	Modification = MOD	Water Quality Certificate = WQC

Section 1 - Coastal Application Type

	<u>Calculation</u>	<u>Fee Amount</u>
All General Permits (Except those listed in notes on Page 4)	\$1,000 x _____ # of GPs requested = Fee	_____
CAF – IP SFH or Duplex	\$2,000	_____
CAF – IP Residential other than SFH/duplex	\$3,000 x _____ # of units = Fee	_____
CAF – IP Commercial, Industrial or Public	\$3,000 x _____ acres of the site = Fee	_____
CSW – IP SFH or Duplex	\$2,000	_____
CSW – IP All Development other than SFH/duplex	\$3,000 x _____ acres of wetlands disturbed = Fee	_____
WD - IP SFH or Duplex (Landward of MHWL)	\$2,000	_____
WD – IP Residential other than SFH/duplex (Landward of MHWL)	\$3,000 x _____ # of units = Fee	_____
WD – IP Commercial, Industrial or Public	\$3,000 x _____ acres of the site = Fee	_____
WD - IP SFH or Duplex (Waterward of MHWL)	\$2,000	_____
WD – IP All Development other than SFH/duplex (Waterward of MHWL)	\$3,000 x _____ acres of water area disturbed = Fee	_____
CAF, CSW, WD – IP Minor Modification	\$500 x _____ # of items to be revised = Fee	_____
CAF, CSW, WD – IP Major Modification	0.30 x _____ original fee = Fee (Minimum \$500)	_____
Subtotal for Coastal Applications		_____

Section 2 - Freshwater Wetlands Application Type

	<u>Calculation</u>	<u>Fee Amount</u>
All General Permits (Except those listed in notes on Page 4)	\$1,000 x _____ # of GPs requested	_____
FWW – LOI Presence/Absence, Footprint, Delineation < 1 acre	\$1,000	_____
FWW – LOI Line Verification	\$1,000 + (\$100 x _____ # of acres of the site)	_____
FWW – TAW with valid LOI	\$1,000 + (\$100 x _____ # acres FWW disturbed)	_____
FWW – TAW without valid LOI	\$1000 + (\$100 x _____ acres TAW disturbed) + LOI Fee	_____
FWW – IP or Open Water Fill SFH or Duplex	\$2,000	_____
FWW – IP or Open Water Fill other than SFH or Duplex	\$5,000 + (\$2,500 x _____ # acres FWW disturbed)	_____
FWW – GP, TAW, IP, Open Water Fill Minor Modification	\$500 x _____ # of items to be revised	_____
FWW – GP, TAW, IP, Open Water Fill Major Modification	0.30 x _____ original fee = Fee (Minimum \$500)	_____
FWW – EXT LOI Presence/Absence, Footprint, Delineation < 1 acre	\$500	_____
FWW – EXT LOI Line Verification	0.50 x _____ original fee = Fee (Minimum \$500)	_____
FWW – EXT GP or TAW	\$500 x _____ # of items to be extended	_____
FWW – EXT IP or Open Water Fill	0.50 x _____ original fee = Fee (Minimum \$500)	_____
Subtotal for Freshwater Wetlands Applications		_____

Appendix II - Fee Calculation Sheet - Continued

<u>Section 3 - Flood Hazard Area Application Type</u>	<u>Calculation</u>	<u>Fee Amount</u>
All General Permits (Except those listed in notes 1 on Page 4)	\$1,000 x _____ # of GPs requested=Fee	_____
FHA – VER Methods 1, 2, 3, 5 (Fee not applicable to one (1) SFH)	\$1,000	_____
FHA – VER Method 4	\$4,000 + (\$400 x _____ per 100 linear feet) = Fee	_____
FHA – VER Method 6	\$4,000 + (\$400 x _____ per 100 linear feet) = Fee	_____
FHA – IP SFH	\$2,000	_____
FHA – IP * Fee not applicable to one (1) SFH	\$3,000 base	\$3,000.00
*Bank/Channel (stabilization, reestablishment, etc.) No Calculation Review --	+ \$1,000	_____
*Bank/Channel (stabilization, reestablishment, etc.) With Calculation Review-	+ (\$4,000 + (\$400 x _____ per 100 linear ft.))	_____
*Bridge, Culvert, Footbridge, Low Dam, etc. No Calculation Review--	+ \$1,000 x _____ # of structures	_____
*Bridge, Culvert, Footbridge, Low Dam, etc. With Calculation Review-	+ \$4,000 x _____ # of structures	_____
*Review of Flood Storage Displacement (net fill) Calculations-----	+ \$4,000	_____
Review of Hardship Exception Request-----	+ \$4,000	_____
*Utility Line-----	+ \$1,000 x _____ # of water crossings	_____
FHA – VER, IP, GP Minor Revision	\$500 x _____ # of items to be revised = Fee	_____
FHA – VER, IP, GP Major Revision	0.30 x _____ original fee = Fee (Minimum \$500)	_____
FHA – Department Delineation Minor Revision	\$500	_____
FHA – Department Delineation Major Revision	\$4,000 + (\$400 x _____ per 100 linear feet) = Fee	_____
Subtotal for Flood Hazard Area Applications		\$3,000.00

<u>Section 4 – Individual Water Quality Certificate</u>	<u>Calculation</u>	<u>Fee Amount</u>
WQC	\$5,000 x (\$2,500 x _____ # acres regulated area disturbed)	_____

<u>Section 5 - Additional Stormwater Review Fee</u>	<u>Calculation</u>	<u>Fee Amount</u>
Stormwater Review	\$3,000 base	_____
Review of Groundwater Recharge Calculations-----	+ \$250 x _____ # acres disturbed	_____
Review of Runoff Quantity Calculations-----	+ \$250 x _____ # acres disturbed	_____
Review of Water Quality Calculations-----	+ \$250 x _____ # acres disturbed	_____
Fee if project disturbs vegetation within SWRPA-----	+ \$2,000	_____
Subtotal of Stormwater Review Fee		_____

<u>Section 6 – Total of Application Fees</u>	
Subtotal of Section 1 - Coastal Applications	_____
Subtotal of Section 2 - Freshwater Wetlands Applications	_____
Subtotal of Section 3 - Flood Hazard Area Applications	\$3,000.00
Subtotal of Section 4 – Individual Water Quality Certificate	_____
Subtotal of Section 5 - Additional Stormwater Review	_____

Total Application Fee \$3,000.00

Total Fee: \$3,000.00

Check #: _____

Instructions for completing the DLUR Form

(Please print clearly or type all information in every section)

Section 1. Applicant Information

- ✓ Please check off whether the project is Superstorm Sandy related.
- ✓ Make sure all applicant information is correct and up to date.
- ✓ Do not provide telephone numbers with call intercept.
- ✓ Must include correct E-mail address.

Section 2. Agent Information

- ✓ Make sure all agent information is correct and up to date.
- ✓ Do not provide telephone numbers with call intercept.
- ✓ If you do not have an agent, leave this section blank.
- ✓ Must include correct E-mail address.

Section 3. Property Owner Information

- ✓ Identify the property owner if different from applicant.

Section 4. Project Site Information/Fees and Costs

- ✓ List the street address if known along with the correct zip code for the property.
- ✓ List all blocks and lots if more space is needed please attach a list to the LURP2 form.
- ✓ Make sure the state plane coordinates are given and that they are 1983 datum otherwise the application will be rejected.
 - Applicants can find state plane coordinates on USGS maps or by going to the NJDEP website and using the IMAP feature to find the location of property and the exact state plane coordinates
- ✓ Make sure to list total fees paid and check number(s) of the fee. Also list the estimated cost for the project in the regulated area if applying for a coastal permit or the total cost of the project if applying for any non-coastal permit or waiver. A separate fee breakdown sheet must be attached to the DLUR form detailing the breakdown of all fees paid.

Section 5. Project Description

- ✓ Briefly describe what you are proposing to construct within regulated areas. In addition, list any previous LUR file number(s) and if a Waiver Request has been submitted to the Office of Permit Coordination and Environmental Review please list the Waiver Request ID number(s) on the line provided.

Section A. Applicant's Signature

- ✓ The person or corporate officer applying for this permit and to whom the permit will be issued must sign here.

Section B. Property Owner's Signature

- ✓ The legal owner of the property on which the regulated activities are proposed must sign here and certify items one through four in this section.

Section C. Applicant's Agent Authorization

- ✓ If the applicant is represented by a consultant or engineer, that individual shall fill out this section.

Section D. Statement of the Preparer of Plans

- ✓ For all Stream Encroachment (Flood Hazard Area), and Waterfront applications require that the person preparing the plans and reports fill out this section

Section E. Statement of the Preparer of Application, Reports and Supporting Documents

- ✓ Anyone who prepares and is the responsible person for part of the application, reports or supporting documents must fill out this section

Section F. Type of Application you are submitting

- ✓ Place a check mark next to each type of activity you are requesting in this application package. Please fill in the amount of fee required for each permit and the amount of fees paid for each permit. The fee paid may be different from the amount required for each permit since the amount required may differ due the three payment plan for fees in excess of \$1,000. A Fee Calculation is now included to allow an applicant to determine the fee for applications where the fee will vary due to size of site, impacts, etc.

***Attachment 1
NJDEP DLUR Form**

Question Number 4. - Page 1 - Municipality: Linear Project - See Attached List*

Alphabetical List of Counties and Municipalities included in the PSE&G Electric Overhead Transmission Service Area:

County	Municipalities
Bergen	Lyndhurst Township
	North Arlington Borough
	Ridgefield Borough
Burlington	Bordentown Township
	Burlington City
	Burlington Township
	Chesterfield Township
	Cinnaminson Township
	Delran Township
	Eastampton Township
	Evesham Township
	Florence Township
	Lumberton Township
	Mansfield Township
	Medford Township
	Mount Laurel Township
	Pemberton Township
	Shamong Township
	Southampton Township
	Springfield Township
	Tabernacle Township
	Westhampton Township
Willingboro Township	
Camden	Bellmawr Borough
	Berlin Borough
	Berlin Township
	Brooklawn Borough
	Cherry Hill Township
	Gloucester City
	Gloucester Township
	Mount Ephraim Borough
	Pennsauken Township
	Pine Hill Borough
	Pine Valley Borough
	Runnemede Borough
	Voorhees Borough
	Waterford Township
	Winslow Township
	Essex
	Bloomfield Township
	Cedar Grove Township
	Livingston Township
	Newark City
	North Caldwell Borough
	Nutley Township
	Roseland Borough
	West Caldwell Township
	West Orange Township

*** Attachment 1
NJDEP DLUR Form**

Alphabetical List of Counties and Municipalities included in the PSE&G Electric Overhead Transmission Service Area (Continued):

County	Municipalities
Gloucester	Deptford Township
	Franklin Township
	Monroe Township
	West Deptford Township
	Westville Borough
	Woodbury City
Hudson	Jersey City
	Kearny Town
	North Bergen Township
Hunterdon	Secaucus Town
	Alexandria Township
	Delaware Township
	East Amwell Township
	Franklin Township
	Holland Township
	Lambertville City
	Raritan Township
	Readington Township
	Tewksbury Township
	West Amwell Township
Mercer	East Windsor Township
	Ewing Township
	Hamilton Township
	Hopewell Borough
	Hopewell Township
	Lawrence Township
	Robbinsville Township (formerly Washington Township)
West Windsor Township	
Middlesex	Carteret Borough
	Cranbury Township
	East Brunswick Township
	Edison Township
	Highland Park Borough
	Metuchen Borough
	Middlesex Borough
	Milltown Borough
	Monroe Township
	New Brunswick City
	North Brunswick Township
	Piscataway Township
	Plainsboro Township
	South Brunswick Township
Woodbridge Township	
Morris	Boonton Township
	Chatham Borough
	Chatham Township
	East Hanover Township
	Florham Park Borough
	Jefferson Township
	Kinnelon Borough
	Long Hill Township

*** Attachment 1
NJDEP DLUR Form**

Alphabetical List of Counties and Municipalities included in the PSE&G Electric Overhead Transmission Service Area (Continued):

County	Municipalities
Morris (Continued)	Montville Township
	Mount Olive Township
	Parsippany-Troy Hills Township
	Rockaway Township
	Washington Township
Passaic	Clifton City
	Little Falls Township
	Ringwood Borough
	West Milford Township
Salem	Alloway Township
	Elsinboro Township
	Lower Alloways Creek Township
	Pennsville Township
	Pittsgrove Township
	Quinton Township
	Upper Pittsgrove Township
Somerset	Bernards Township
	Bound Brook Borough
	Branchburg Township
	Bridgewater Township
	Franklin Township
	Hillsborough Township
	Manville Borough
	Millstone Borough
	Raritan Borough
	Somerville Borough
	Warren Township
	Watchung Borough
Sussex	Andover Borough
	Byram Township
	Fredon Township
	Hardyston Township
	Hopatcong Borough
	Newton Town
	Ogdensburg Borough
	Sparta Township
	Stanhope Borough
	Stillwater Township
	Union
Clark Township	
Cranford Township	
Elizabeth City	
Fanwood Borough	
Linden City	
New Providence Borough	
Roselle Borough	
Scotch Plains Township	
Westfield Town	
Warren	Blairstown Township
	Hardwick Township

***Attachment 1
NJDEP DLUR Form**

Question Number 4. - Page 1 - County: Linear Project - See Attached List*

Alphabetical List of Counties included in the PSE&G Electric Overhead Transmission Service Area:

- Bergen County
- Burlington County
- Camden County
- Essex County
- Gloucester County
- Hudson County
- Hunterdon County
- Mercer County
- Middlesex County
- Morris County
- Passaic County
- Salem County
- Somerset County
- Sussex County
- Union County
- Warren County

Question Number 4. - Page 1 - Watershed

The following are the Watersheds included in the PSE&G Electric Overhead Transmission Service Area:

The Fold-Out Map entitled “*New Jersey Regulatory and Jurisdictional Boundaries and PSE&G Facilities and Systems*” included in Section 2a of this Permit Application shows the PSE&G Overhead Electric Transmission Line Rights-of-Way (ROWs), as well as other pertinent information including: PSE&G’s Generating and Switching Stations; PSE&G’s Electric Territory, Gas Territory, and PSE&G’s combined Electric and Gas Territory. This map also identifies various pertinent regulatory and jurisdictional boundaries related to environmental concerns throughout the entire State of New Jersey.

There are several documents and a series of maps that are utilized by PSE&G in order to carry out their IVM/Vegetation Maintenance Program Activities required by federal and State regulations. The PSE&G Delivery Project and Construction (DP&C) Project Management Procedures contain a “Vegetation Management Procedure - Attachment D”, which describes in detail specific procedures for vegetation management along PSE&G transmission ROWs including: New Construction, General Vegetation Management, Precautionary Measures, Vegetation Management in Uplands Areas, Vegetation Management in Wetlands Areas, Vegetation Management in the Pinelands, and Right-of-Way Barriers.

Another important document utilized is the “Utility Right-of-Way No-Harm Best Management Practices” developed in conjunction with the NJDEP. Both of these resources, as well as the available mapping, are “living”, functional, guidance documents that are updated periodically as conditions and environmental resources change.

***Attachment 1**
NJDEP DLUR Form

Another document is a “living” resource that is constantly evolving, as well as being updated as required and is utilized by PSE&G to track and comply with the State timing restrictions for threatened and endangered species as prescribed in the “*Electric Transmission Environmental Compliance Matrix for Overhead Electric Transmission ROWs*”. PSE&G utilizes this document to determine species of concern (i.e., endangered, threatened and/or species of special concern).

These documents and the accompanying mapping including New Jersey’s Landscape Project Mapping; information provided by the NJDEP Division of Fish and Wildlife’s Endangered and Nongame Species Program (DFW-ENSP); the United States Fish and Wildlife Service (USFWS) and/or information provided by Natural Heritage Grid Mapping are all utilized to both constantly maintain and modify IVM/Vegetation Maintenance Program Activities in coordination with the regulatory agency representatives.

Watersheds included in and waterbodies that traverse the PSE&G Service Area are all taken into account as a part of this mapping coverage.

Question Number 6. - Page 1 -

Electric Overhead Transmission Rights-of-Way Vegetation Maintenance:

As detailed within this Flood Hazard Area Individual Permit Application (FHA-IP), PSE&G is requesting the use of herbicide application in riparian zones; in support all of PSE&G’s Integrated Vegetation Management (IVM)/Vegetation Maintenance Program Activities. Although primarily upland habitats are associated with Rights-of-Way (ROWs), riparian zones do occur within the PSE&G Electric Service Area. They are a relatively small percentage of total ROWs and are located in or adjacent to waters of the United States. Flood Hazard Area Permits are required by the NJDEP prior to the performance of Vegetation Maintenance Program Activities within these ecologically sensitive areas. The New Jersey Flood Hazard Area Control Act Rules at N.J.A.C. 7:13-2.4(a)2., indicate that “*The clearing, cutting and/or removal of vegetation in a riparian zone;*” is a regulated activity in a regulated area and therefore requires a Flood Hazard Area Permit.

In accordance with the Flood Hazard Area Act Rules (N.J.A.C. 7:13), the Applicant, Public Service Electric and Gas Company (PSE&G), is requesting the above authorization from the NJDEP. This authorization will enable PSE&G to maintain its Overhead Electric Transmission System on an ongoing basis in an effort to provide safe and reliable electrical energy to its approximately 2.2 million customers within an approximate 260,000-square-mile diagonal corridor across the State of New Jersey from Bergen to Gloucester Counties; as required by the State of New Jersey Board of Public Utilities (BPU).

In the State of New Jersey this approximately 1,500-mile long system connects generating stations with electric switching stations, electric substations and other electric transmission systems, primarily through a network of ROWs corridors that traverse sixteen (16) Counties and approximately 149 Municipalities within the PSE&G Service Area.

With respect to vegetation management requirements, the Federal Energy Regulatory Commission (FERC)-approved North American Electric Reliability Corporation (NERC) Standards are the minimum requirements to which a utility must adhere. State regulations may be more restrictive than the NERC standards; however, they cannot be less restrictive than NERC

***Attachment 1**
NJDEP DLUR Form

Standards, or conflict with them. If there is a direct conflict, the federal regulations will replace the state regulations. In the case of the New Jersey, state BPU regulations are stricter than the federal regulations. Therefore, no conflict between the two regulations exists and the state BPU regulation must be met.

The alignment, geometrics and configuration of the existing overhead electric transmission line ROWs are now, under both federal and state regulations, required to be particular widths and the vegetation within the ROWs must be cut to specific heights. The determination regarding the necessary ROW widths and specific vegetation heights are based primarily on the elevation of the electric lines (i.e., distance from the ground), the number of circuits and the voltage of the conductors that are attached to the transmission towers. Also taken into account are the presence of any existing, adjacent ROWs. PSE&G ROWs widths may vary from 60 feet to 350 feet (60' to 350').

Under the current regulations, a utility must continue to remove all trees that have the ability to exceed three feet (3') in height in the wire zone. In addition, a utility is now required to follow IVM in the border zone. IVM is an industry standard that requires the removal of all "incompatible species" from transmission ROWs. Depending on the topography and height of the wires, the height of trees that are allowed to remain in the border zone varies. Generally, IVM requires the removal of any tree that has the ability to exceed 20 to 25 feet (20'-25') in height at maturity.

Vegetation Maintenance Information Regarding the New Jersey Pinelands

All Vegetation Maintenance Program Activities within the Pinelands will be conducted in accordance with the provisions of the "*Pinelands Comprehensive Plan*" and "*Pinelands Prescription for Vegetation Maintenance along Utility Rights-of-Way in the Pinelands*". The application of herbicides to any PSE&G Transmission Rights-of-Way in the Pinelands Area is prohibited.

The Public Service Electric and Gas Company (PSE&G) is required by the State of New Jersey Board of Public Utilities (BPU) to maintain its Overhead Electric Transmission System on an ongoing basis in an effort to provide safe and reliable electrical energy to its approximately 2.2 million customers within an approximate 260,000-square-mile diagonal corridor across the State of New Jersey from Bergen to Gloucester Counties. In the State of New Jersey this approximately 1,500-mile long system connects generating stations with electric switching stations, electric substations and other electric transmission systems, primarily through a network of ROWs corridors. Electric power is transmitted at high voltage (138kV to 500kV) through a system of overhead transmission towers that support electric conductors. The electric power is then directed through switchyards and substations to local distribution networks at much lower voltage, (i.e., 13kV to 69kV). (Refer to the Fold-Out Map entitled "*New Jersey Regulatory and Jurisdictional Boundaries and PSE&G Facilities and Systems*" included in Section 2a). This Map shows the PSE&G Overhead Electric Transmission Line Rights-of-Way, as well as other pertinent information including: PSE&G's Generating and Switching Stations; PSE&G's Electric Territory, Gas Territory, and PSE&G's combined Electric and Gas Territory. This map also identifies various pertinent regulatory and jurisdictional boundaries related to environmental concerns throughout the entire State of New Jersey.

There are several documents and a series of maps that are utilized by PSE&G in order to carry out their IVM/Vegetation Maintenance Program Activities required by federal and State regulations.

***Attachment 1**
NJDEP DLUR Form

The PSE&G Delivery Project and Construction (DP&C) Project Management Procedures contain a "Vegetation Management Procedure - Attachment D", which describes in detail specific procedures for vegetation management along PSE&G transmission ROWs including: New Construction, General Vegetation Management, Precautionary Measures, Vegetation Management in Uplands Areas, Vegetation Management in Wetlands Areas, Vegetation Management in the Pinelands, and Right-of-Way Barriers.

Another important document utilized is the "Utility Right-of-Way No-Harm Best Management Practices" developed in conjunction with the NJDEP. Both of these resources, as well as the available mapping, are "living", functional, guidance documents that are updated periodically as conditions and environmental resources change.

Another document is a "living" resource that is constantly evolving, as well as being updated as required and is utilized by PSE&G to track and comply with the State timing restrictions for threatened and endangered species as prescribed in the "*Electric Transmission Environmental Compliance Matrix for Overhead Electric Transmission ROWs*". PSE&G utilizes this document to determine species of concern (i.e., endangered, threatened and/or species of special concern).

These documents and the accompanying mapping including New Jersey's Landscape Project Mapping; information provided by the NJDEP Division of Fish and Wildlife's Endangered and Nongame Species Program (DFW-ENSP); the United States Fish and Wildlife Service (USFWS) and/or information provided by Natural Heritage Grid Mapping are all utilized to both constantly maintain and modify IVM/Vegetation Maintenance Program Activities in coordination with the regulatory agency representatives.

Purpose and Need for Vegetation Maintenance

In the aftermath of the August 14, 2003 Northeast blackout, which was caused by a tree coming in contact with an overhead electrical transmission line, the United States Department of Energy (USDOE) issued a report instructing all states to initiate new vegetation management rules to prevent future catastrophic loss of electrical transmission capabilities. As a result, on February 7, 2006, the North American Electric Reliability Corporation (NERC) established a transmission vegetation maintenance program entitled FAC-003-1. This program requires public utilities to maintain vegetation on transmission facilities of 200kV and higher¹ at minimum clearance distances that are no less than those set forth in the Institute of Electrical and Electronics Engineering (IEEE) Standards 516-2003 (*Guide for Maintenance Methods on Energized Power Lines*) and as specified in its Section 4.2.2.3, Minimum Air Insulation Distances Without Tools in the Air Gap (FAC-003-1.2.2).

Similarly, pursuant to N.J.S.A. 48:2-13 and 14, on December 18, 2006, the New Jersey Board of Public Utilities (BPU), enacted Vegetation Management Standards promulgated at N.J.A.C 14:6-9.1, *et seq.* The regulations were subject to significant public debate, and on March 17, 2008, the BPU amended the regulations.

The March 17, 2008 edition of BPU's regulations required the complete removal of all vegetation that has the ability to grow to a height exceeding three feet (3') under the wire zone, as well as the removal of all vegetation that has the ability to exceed 15 feet (15') in height at maturity within

¹ NERC has proposed amendments to lower the required voltages subject to the vegetation management program to 100kV and above.

***Attachment 1**
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the border zone [as defined in the BPU regulation at N.J.A.C. 14:5-9.6(e)(2) and (e)(3), respectively].

Since the enactment of amended regulations on March 17, 2008, BPU has subsequently conducted three (3) additional public hearings on their regulations. Based upon comments received during the public hearings, BPU enacted further amendments to their regulations on January 19, 2010.

The alignment, geometrics and configuration of the existing overhead electric transmission line ROWs are now, under both federal and state regulations, required to be particular widths and the vegetation within the ROWs must be cut to specific heights. The determination regarding the necessary ROW widths and specific vegetation heights are based primarily on the elevation of the electric lines (i.e., distance from the ground), the number of circuits and the voltage of the conductors that are attached to the transmission towers. Also taken into account are the presence of any existing, adjacent ROWs. PSE&G ROWs widths may vary from 60 feet to 350 feet (60' to 350').

Under the current regulations, a utility must continue to remove all trees that have the ability to exceed three feet (3') in height in the wire zone. In addition, a utility is now required to follow IVM in the border zone. IVM is an industry standard that requires the removal of all "incompatible species" from transmission ROWs. Depending on the topography and height of the wires, the height of trees that are allowed to remain in the border zone varies. Generally, IVM requires the removal of any tree that has the ability to exceed 20 to 25 feet (20'-25') in height at maturity.

With respect to vegetation management requirements, the Federal Energy Regulatory Commission (FERC)-approved NERC Standards are the minimum requirements to which a utility must adhere. State regulations may be more restrictive than the NERC standards; however, they cannot be less restrictive than NERC Standards, or conflict with them. If there is a direct conflict, the federal regulations will replace the state regulations. In the case of the New Jersey, state BPU regulations are stricter than the federal regulations. Therefore, no conflict between the two regulations exists and the state BPU regulation must be met.

Transition of PSE&G Vegetation Maintenance Activities Performed in Overhead Electric Transmission System ROWs

Moving forward with this Vegetation Maintenance Program it is hoped that ROWs overgrown with woody vegetation will become the exception, rather than the usual situation. The PSE&G Vegetation Maintenance Program is also moving away from a span-by-span maintenance program, to maintaining the entire ROW on a schedule, based on the dominant vegetation within the particular span. Subsequent to vegetation cutting, those areas will be seeded with a native species mix dominated by herbaceous and low-growing shrub species.

In the future, PSE&G anticipates maintaining the ROWs using conventional mowers and spot herbicide applications (*with the exception of work in the New Jersey Pinelands*) to prevent the growth of non-compatible and invasive species.

There are several documents and a series of maps that are utilized by PSE&G in order to carry out their IVM/Vegetation Maintenance Program Activities required by federal and State regulations. The PSE&G Delivery Project and Construction (DP&C) Project Management Procedures contain

***Attachment 1**
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a "Vegetation Management Procedure - Attachment D", which describes in detail specific procedures for vegetation management along PSE&G transmission ROWs including: New Construction, General Vegetation Management, Precautionary Measures, Vegetation Management in Uplands Areas, Vegetation Management in Wetlands Areas, Vegetation Management in the Pinelands, and Right-of-Way Barriers.

Another important document utilized is the "Utility Right-of-Way No-Harm Best Management Practices" developed in conjunction with the NJDEP. Both of these resources, as well as the available mapping, are "living", functional, guidance documents that are updated periodically as conditions and environmental resources change.

Riparian Zones within the PSE&G Overhead Electric Transmission System ROWs

This Flood Hazard Area Individual Permit Application is requesting the use of herbicide application in riparian zones, in support all of PSE&G's IVM/Vegetation Maintenance Program Activities.

Although primarily upland habitats are associated with ROWs, riparian zones do occur within the PSE&G Electric Service Area. They are a relatively small percentage of total ROWs and are located in or adjacent to waters of the United States. Flood Hazard Area Permits are required by the NJDEP prior to the performance of Vegetation Maintenance Program Activities within these ecologically sensitive areas.

The New Jersey Flood Hazard Area Control Act Rules at N.J.A.C. 7:13-2.4(a)2., indicate that "*The clearing, cutting and/or removal of vegetation in a riparian zone;*" is a regulated activity in a regulated area and therefore requires a Flood Hazard Area Permit.

In the State of New Jersey, a riparian zone exists along every regulated waterway that ranges from 50 to 300 feet (50' - 300') from the top of bank of the waterway, as described in N.J.A.C. 7:13-4.1 - The riparian zone. The riparian zone constitutes a "*regulated area*" for every regulated waterway. The riparian zone includes the land and vegetation within each regulated water, as well as the land and vegetation within a certain distance of each regulated water. The portion of the riparian zone that lies outside of a regulated water is measured landward from the top of bank. If a discernible bank is not present along a regulated water, the portion of the riparian zone outside a linear fluvial water is measured landward of the feature's centerline, while the portion of the riparian zone outside a non-linear fluvial water, such as a lake or pond, is measured landward of the normal water surface limit.

The width of the riparian zone is dependent on the classification of the regulated water as described below:

- The riparian zone is 300 feet (300') wide along both sides of any Category One water, and all upstream tributaries situated within the same HUC-14 sub-watershed.
- The riparian zone is 150 feet (150') wide along both sides of any trout production water and all upstream waters (including tributaries), as well as any trout maintenance water and all upstream waters (including tributaries) within one (1) linear mile as measured along the length of the regulated water.

***Attachment 1**
NJDEP DLUR Form

- The riparian zone is 150 feet (150') wide along both sides of any segment of a water flowing through an area that contains documented habitat for a threatened or endangered species of plant or animal, which is critically dependent on the regulated water for survival and all upstream waters (including tributaries) within one (1) linear mile as measured along the length of the regulated water.
- A 150 feet (150') wide riparian zone is also located along both sides of any segment of water flowing through an area that contains acid producing soils.
- All other regulated waters have a riparian zone that is 50 feet (50') wide along both sides of the water.

There will be no loss of riparian zones associated with the Vegetation Maintenance Program Activities that are the subject of this Permit Application.

Under the current BPU regulations, a utility must remove all trees that have the ability to exceed three feet (3') in height in the wire zone and follow IVM in the border zone. IVM is an industry standard which requires the removal of all "incompatible species" from a transmission ROW. An integral part of IVM is the use of selective herbicides to help control woody vegetation.

