

# Atlantic City Electric Generator Interconnection Application

## Long Form

(For Use with Generators Greater than 10 kW to 2 MW)

An applicant (Generator Owner) makes application to Atlantic City Electric (ACE) to install and operate a generating facility greater than 10 kW to 2MW interconnected with the Atlantic City Electric utility system.

### Section 1, Applicant Information

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Facility Location (if different from above): \_\_\_\_\_

Telephone (Daytime): Area Code \_\_\_\_\_ Number \_\_\_\_\_ (Evening) Area Code \_\_\_\_\_ Number \_\_\_\_\_

Atlantic City Electric Account No. : \_\_\_\_\_ Pole Number: \_\_\_\_\_

Energy Service Provider Name: \_\_\_\_\_ Account No.: \_\_\_\_\_

### Section 2, Generator Qualifications

Is the generator a Qualifying Facility as defined under Subpart B, Section 201 of the Federal Energy Regulatory Commission's regulations per the Public Utility Regulatory Policies Act of 1978?

Yes  No

Is Generator powered from a Renewable Qualifying Energy Source:

Yes  No

Type Qualifying Energy Source (if applicable):  Solar  Wind  Hydro

Other generator energy source:  Diesel, Natural Gas  Diesel, Fuel Oil  Other: \_\_\_\_\_

Will excess power be exported to ACE?  Yes  No

Site Load: \_\_\_\_\_ kW (Typical) Maximum Export: \_\_\_\_\_ kW.

### Section 3, Generator Technical Information

Type of Generator:  Synchronous  Induction  DC Generator or Solar with Inverter

Generator (or solar collector) Manufacturer, Model Name & Number: \_\_\_\_\_

(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)

\_\_\_\_\_ Output Power Rating in kW: \_\_\_\_\_

Inverter Manufacturer, Model Name & Number (if used): \_\_\_\_\_

(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)

\_\_\_\_\_ Rating in kW: \_\_\_\_\_

Generator Characteristic Data (for rotating machines):

(Not needed if Generator Nameplate and Manufacture's Specification Sheet is provided)

Direct Axis Synchronous Reactance,  $X_d$ : \_\_\_\_\_ P.U. Negative Sequence Reactance: \_\_\_\_\_ P.U.

Ddirect Axis Transient Reactance,  $X'_d$ : \_\_\_\_\_ P.U. Zero Sequence Reactance: \_\_\_\_\_ P.U.

Direct Axis Subtransient Reactance,  $X''_d$ : \_\_\_\_\_ P.U. KVA Base: \_\_\_\_\_

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### Section 4, Interconnecting Equipment Technical Data

Will an interposing transformer be used between the generator and the point of interconnection?  Yes  No

Transformer Data (if applicable, for Customer Owned Transformer):

(A copy of transformer Nameplate and Manufacturer's Test Report may be substituted)

Size: \_\_\_\_\_ KVA . Transformer Primary : \_\_\_\_\_ Volts  Delta  Wye  Wye Grounded

Transformer Secondary: \_\_\_\_\_ Volts  Delta  Wye  Wye Grounded

Transformer Impedance: \_\_\_\_\_ % on \_\_\_\_\_ KVA Base

Transformer Fuse Data (if applicable, for Customer Owned Fuse):

(Attach copy of fuse manufacturer's Minimum Melt & Total Clearing Time-Current Curves)

Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Size: \_\_\_\_\_ Speed: \_\_\_\_\_

Interconnecting Circuit Breaker (if applicable):

(A copy of breaker's Nameplate and Specification Sheet may be substituted)

Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Load Rating: \_\_\_\_\_ Interrupting Rating: \_\_\_\_\_ Trip Speed: \_\_\_\_\_  
(Amps) (Amps) (Cycles)

Circuit Breaker Protective Relays (if applicable):

(Enclose copy of any proposed Time-Overcurrent Coordination Curves)

Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Style/Catalog No.: \_\_\_\_\_ Proposed Setting: \_\_\_\_\_

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Current Transformer Data (if applicable):

(Enclose copy of Manufacturer's Excitation & Ratio Correction Curves)

Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Accuracy Class: \_\_\_\_\_ Proposed Ratio Connection: \_\_\_\_\_/5

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Generator Disconnect Switch:

A generator disconnect device, accessible to ACE **must be included** for all generators greater than 25 kW.

Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Catalog No.: \_\_\_\_\_ Rated Volts: \_\_\_\_\_ Rated Amps: \_\_\_\_\_

Single or 3 Phase: \_\_\_\_\_ Mounting Location: \_\_\_\_\_

### Section 5, General Technical Information

Enclose copy of site One-Line Diagram showing configuration and interconnection of all equipment, current and potential circuits and protection and control schemes. Is One-Line Diagram Enclosed?:  Yes

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Is Any Available Documentation Enclosed?:  Yes

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### Section 5 (Continued)

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits. Are Schematic Drawings Enclosed?:  Yes

### Section 6. Installation Details

Generating System will be installed by:  Owner  State Licensed Electrician

Installing Electrician: \_\_\_\_\_ Firm: \_\_\_\_\_ License No.: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone: Area Code: \_\_\_\_\_ Number: \_\_\_\_\_

Installation Date: \_\_\_\_\_ Interconnection Date: \_\_\_\_\_

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_  
(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

### Section 7. Generator/Equipment Certification

Generating systems that use utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with *Atlantic City Electric's Technical Considerations Covering Parallel Operations of Customer Owned Generation of Less than One (1) MW and Interconnected with the Atlantic City Electric System* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Signed (Applicant): \_\_\_\_\_ Date: \_\_\_\_\_

A Pre-Interconnection Study is normally required for generators greater than 25 kW. However, certain generator types/sizes and the location of the Point of Interconnection with Atlantic City Electric may permit a waiver of the Pre-Interconnection Study.

Does the Generation Owner request a waiver of the Pre-Interconnection Study?  Yes  No

**A "Yes" response cannot insure that the Pre-Interconnection Study requirement will be waved. Atlantic City Electric has the sole authority to grant release from the requirement based on the merits of each individual Interconnection Application.**

### Section 8. Applicant Signature

**I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct. I also agree to install a Warning Label provided by Atlantic City Electric on or near my service meter location.**

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

**Send the completed application to Atlantic City Electric, ATTN: Cathy Long, Net Energy Metering Team  
Phone: (866) 634-5571 FAX: (856) 351-7545 Email: [nem@pepcoholdings.com](mailto:nem@pepcoholdings.com) or mail to 5 Collins Drive  
MS 84CP22 Carneys Point NJ 08069**

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**This page for use by ACE Only**

**Section 9, Approval or Non-Approval**

Atlantic City Electric:  Has Approved  Has Not Approved this Interconnection Application.

Name : \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Reason of Not Approving: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Approval to connect to the Company system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.**

**Section 10, Internal Notifications**

Send Applicant Warning Label for installing on/ near service meter:	<input type="checkbox"/>	Yes
Notify Billing Dept. of Interconnected Generation:	<input type="checkbox"/>	Yes
Notify District Engineering of Interconnected Generation:	<input type="checkbox"/>	Yes
Notify System Protection of Interconnected Generation:	<input type="checkbox"/>	Yes

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