

APPLICATION FOR INTERCONNECTION AND PARALLEL OPERATION WITH
JERSEY CENTRAL POWER & LIGHT'S SUB-TRANSMISSION SYSTEM

Return completed application with application fee to:

FirstEnergy Corporation
c/o Metropolitan Edison Co
P.O. Box 16001
Reading, PA 19612
Attn: PA Rates - Net Metering & Interconnection
Fax: 330 – 777 - 6083

Customer's Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Account Number: _____

Contact Person: _____

Telephone Number: _____

Service Point Address: _____

City: _____ State: _____ Zip: _____

Information Prepared and Submitted By: _____

Company Name _____

City: _____ State: _____ Zip: _____

Address: _____

Telephone Number: _____ Email: _____

GENERATOR

The following information shall be supplied by the Customer or Customer's designated representative. All applicable items must be accurately completed in order that the Customer's generating facilities may be effectively evaluated for interconnection with the Company's Distribution System.

Type; Select Type, Fuel Source: Select Fuel Source _____

Number of Units: _____ Manufacturer: _____

Model Number of Inverter (If Applicable): _____

Inverter Rating (If Applicable): _____ kW, Number of Phases: __, Frequency: _____ Hz

DC Source Rating (If Applicable): _____ kW DC Voltage Rating (If Applicable): _____ V

kW Rating (@ 95°F at location): _____ kW kVA Rating (@ 95°F at location): _____ kVA

Power Factor: _____ %, Voltage Rating: _____ VAC, Ampere Rating: _____ Amps

Do you plan to export power? Select _____

If Yes, Estimated Maximum: _____ kW, Estimated Energy: _____ kWh per Select

(Attach additional sheets as necessary in the event of multiple units of various types/sizes.)

APPLICATION FOR INTERCONNECTION AND PARALLEL OPERATION – Continued

Normal Operation of Interconnection: Select

If “Other”, please describe: _____

Application Fee \$ _____¹ [Checks may be made payable to FirstEnergy Corporation.]

One-line diagram attached? Select [Note: Requires a “Yes” for a complete Application.]

Have testing results been supplied to the Company documenting conformance with the Company’s technical requirements: Select [Note: Requires a “Yes” for a complete Application.]

Have all necessary government permits and approvals been obtained for the project prior to this application? Select [Note: Requires a “Yes” for an Application to be considered complete,]

Have the generator manufacturer machine characteristics been supplied to the Company? Select [Note: Requires a “Yes” for a complete Application.]

Is there a layout sketch showing lockable, “visible” disconnect device? Select [“Yes” Required for a complete Application.]

Application fee²: \$ _____ [Checks may be made payable to FirstEnergy Corporation.]

DATE: _____

[Insert Customer Name Here] _____

By: _____
(Signature)

Name: _____
(Type or Print)

Title: _____
(Type or Print)

¹ In accordance with the regulations for Net Metering and Interconnection Standards for Class I Renewable Energy Systems, the Company shall charge each Interconnection Service Customer, eligible for net metering, that applies for Interconnection Service a nonrefundable Application fee, payable at the time the Application is submitted. Level 1 – No charge, Level 2 = \$50 +\$1 / kW, Level 3 = 100 +\$2 / kW.

² Other Interconnection Service Customers shall be assessed a \$250 nonrefundable Application Fee and shall deposit with the Company an amount equal to \$5 per kW of generation referenced in the Application for all generation units greater than 50kW. All units 50kW or less shall be assessed a \$250 nonrefundable Application Fee only as its deposit. The Company shall apply the deposit to the Company’s actual costs associated with the Interconnection. If such costs are greater than the amount of the deposit, the customer shall pay such additional costs to the Company. If such costs are less than the amount of the deposit the Company shall refund the balance of the deposit to the customer.

GENERATOR DATA
FOR STABILITY CALCULATIONS
(Not Intended for Inverter Based Systems)

Machine MVA base for each machine: _____

Step-up transformer percent impedance and MVA base

_____ % R + J _____ % X _____ MVA
_____ % R + J _____ % X _____ MVA

Value*	Description (for each machine) _____
_____	T'do (sec. 0) _____
_____	T'do (sec. 0) _____
_____	T'qo (sec. 0) _____
_____	T''qo (sec. 0) _____
_____	Inertia H Total Shaft Inertia (Turbine, exciter, generator)
_____	Speed Damping D If unavailable, program defaults to 0.0
_____	Xd
_____	Xq
_____	X'd
_____	X'q
_____	X''d = X''q
_____	X1 If unavailable, program defaults to 0.05Xd
_____	S(1.0) Saturation values 1.0 p.u. voltage; if unavailable, program defaults to 0.11
_____	S(1.2) Saturation values 1.2 p.u. voltage; if unavailable, program defaults to 0.48

<u>Excitation System</u> Brand Name: _____ Type: _____
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* Xd, Xq, X'd, X'q, X''d, X''q, X1, H, and D are in p.u. machine base.
X''q must be equal to X''d