

City of Dover
Generator Interconnection Application – Long Form
 (For Use with Generators Greater than 50 kW & Less than 500 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.
 Direct Axis Transient Reactance, X'_d : _____ P.U. Zero Sequence Reactance: _____ P.U.
 Direct Axis Subtransient Reactance, X''_d : _____ P.U. KVA Base: _____

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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 Manufacturer: _____ Type: _____ Style/Catalog No.: _____ Proposed Setting: _____
 Manufacturer: _____ Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

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 the City of Dover, **must be included** for all generators greater than 50 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 No

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Is Any Available Documentation Enclosed?: Yes No

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 No

Prior to installation send the completed Pages 1-3 to the City of Dover, Public Utilities, Attn: Jeremy Johnson, Phone: (302) 674-7551 FAX: (302) 736-7081 Email: jjohnson@dover.de.us or mail to 860 Buttner Place, Dover, DE 19904.

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 Dover.

Signed (Inspector): _____ Date: _____

(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

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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 the City of Dover’s *Technical Considerations Covering Parallel Operations of Customer Owned Generation of Greater than 50 kW to 500 kW and Interconnected with the City of Dover 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 50 kW. However, certain generator types/sizes and the location of the Point of Interconnection with the City of Dover 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. The City of Dover 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 on or near my service meter location.

Signature of Applicant: _____ Date: _____

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Section 9, Approval or Non-Approval

City of Dover : _____ 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:	Yes	No
Notify Billing Dept. of Interconnected Generation:	Yes	No
Notify District Engineering of Interconnected Generation:	Yes	No
Notify System Protection of Interconnected Generation:	Yes	No

At completion send Pages 4 - 5 to the City of Dover, Public Utilities, Attn: Jeremy Johnson Phone: (302) 674-7551 FAX: (302) 736 – 7081 Email: jjohnson@dover.de.us or mail to 860 Buttner Place, Dover, DE 19904