(For Use with Generators Greater than 25 kW)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility greater than 25kW interconnected with the Delaware Electric Cooperative utility system.

Section 1, Applicant Information			
Name:			
Mailing Address:			
City:	State:_	ZipCode:	
Facility Location (if different from above)):		
Telephone (Daytime): Area Code N	Number	(Evening) Area Code	_Number
Delaware Electric Cooperative Account N	lo.:		
Rate Coo	de:		
Section 2, Generator Type			
Is Generator powered from a Renewable I	Energy Source:	Yes No	
Type of Energy Source (if applicable):	Solar [Wind Hydro	
Other generator energy source: Diese	l, Natural Gas[Diesel, Fuel Oil Other:	
Will excess power be exported to Delawar	re Electric Coo	perative? Yes	No
Site Load:kW (Ty	pical) Maximu	m Export:	kW.
Section 3, Generator Technical Informa	ation_		
Type of Generator: Synchronous	Induction	DC Generator or Solar wit	h Inverter
Generator (or solar collector) Manufacture			
(A copy of Generator Nameplate and Manufactur		n Sheet may be substituted) Output Power Rating in kW:	
Inverter Manufacturer, Model Name & Nu (A copy of Inverter Nameplate and Manufacturer		theet may be substituted)	
		_ Rating in kW:	
Generator Characteristic Data (for rotating (Not needed if Generator Nameplate and Manufa		ion Sheet is provided)	
Direct Axis Synchronous Reactance, X _d : _	P.U.	Negative Sequence Reactance: _	P.U.
Ddirect Axis Transient Reactance, X'.			P.U.
Direct Axis Subtransient Reactance, X":			

Section 4, Interconnecting Equipment Technical Data

Will an interposing t	ransformer be	used between the ger	nerator and the	point of int		□ Na
Transformer Data (if (A copy of transformer)				uted)	Yes	No
Size: KVA .	Transformer P	rimary : V	olts De	elta 🔲 V	Vye Wye (Grounded
	Transformer S	econdary:	Volts De	elta 🔲 V	Wye Wye	Grounded
Transformer Impeda	nce:%	on KVA Bas	se			
Transformer Fuse Da (Attach copy of fuse man				nt Curves <u>)</u>		
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:(Amps			Trip Speed	(Cycles)
<u>Circuit Breaker Protective Relays (if applicable):</u> (Enclose copy of any proposed Time-Overcurrent Coordination Curves)						
Manufacturer:	Type:	Style/Catalog I	No.: F	Proposed Se	etting:	
Manufacturer:	Type:	Style/Catalog I	No.: F	Proposed Se	etting:	
Manufacturer:	Type:	Style/Catalog I	No.: F	Proposed Se	etting:	
Manufacturer:	Type:	Style/Catalog I	No.: F	Proposed Se	etting:	
Manufacturer:	Type:	Style/Catalog I	No.: F	roposed Se	etting:	
Current Transformer Data (if applicable): (Enclose copy of Manufacturer's Excitation & Ratio Correction Curves)						
Manufacturer:	Type:	Accuracy Class	s: Pr	oposed Rat	tio Connection: _	/5
Manufacturer:	Type:	Accuracy Clas	s: Pr	oposed Rat	tio Connection:	/5
Generator Disconnec	et Switch:					
A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.						
Manufacturer:	Type:	Catalog No.:	Rated V	olts:	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?:
Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Is Any Available Documentation Enclosed?: Yes
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, PJM Interconnection Queue
The Generator Owner must submit a Generation Interconnection Request directly to PJM if: any Generation is designated in whole or in part as a Capacity Resource to PJM or, if generator intends to sell output to another entity at another electrical location. Generation which is operating "behind the meter" in isolation from the PJM bulk power transmission system and which does not intend to participate in the PJM wholesale energy market may not need to apply to the PJM interconnection queue. PJM has sole discretion on interconnection queue requirements.
Prior to installation send the completed Pages 1-3 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering: Phone: (302) 349-3125 Email: tdickerson@decoop.com or mail to P.O. Box 600 Greenwood, DE 19950
Section 7, Preliminary Approval to Proceed with Interconnection
Delaware Electric Cooperative: Has Approved Has Not Approved this Preliminary Application.
Name : Date:
Signature:
Reason of Not Approving:

<u>Section 8, Installation Details</u> Generating System will be installed	hv: Owner	State Licensed Floatrician
Generating System win de histaned	by. \square Owller \square	State Licensed Electrician
Installing Electrician:	Firm:	License No.:
Mailing Address:		
City:	State:	Zip Code:
Telephone with Area Code:		
Installation Date:	Interconnec	ction Date:
		talled and inspected in compliance with the
Signed (Inspector):		Date:
(In lieu of signatur	re of Inspector, a copy of the fin	Date:al inspection certificate may be attached)
Section 9, Generator/Equipment	<u>Certification</u>	
Lab. UL 1741. Generating systems Requirements for Parallel Operation certify that the installed generation can supply documentation that	s must be compliant with ion of Member Owned G ng equipment meets the confirms compliance. epresentative has perfor	compliant with <i>IEEE 1547</i> and <i>Underwriters</i> Delaware Electric Cooperative's " <i>Technical eneration</i> " document. The Applicant must appropriate preceding requirement(s) and Generation cannot be turned on until a med a site visit, installed a warning label nterconnection.
Section 10, Applicant Signature		
I hereby certify that, to the Interconnection Application is tru		e, all the information provided in the
Signature of Applicant:		Date:

(For Use with Generators Greater than 25 kW)

This page for use by Delaware Electric Cooperative Only

Delaware Electric Cooperative: Has Approved Has Not App	roved this Interconnection Application.
Name:	Date:
Signature:	
Reason of Not Approving:	
Approval to connect to the Company system indicates only that proper interconnection have been satisfied. Such approval	does not imply that the Generator
Owner's facility meets all federal, state and local standards or resection 11, Internal Checks and Notifications	egulations.
DEC has performed a site visit and approved the system:	Yes
DEC has installed a Warning Label on or near the service meter:	Yes
Notify Billing Dept. of Interconnected Generation:	Yes
Notify Mapping Dept. of Interconnected Generation:	Yes
Notify Metering Dept. of Interconnected Generation:	Yes
Notify System Protection of Interconnected Generation:	Yes

At completion send Pages 4 - 5 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering: Phone: (302) 349-3125 Email: tdickerson@decoop.com or mail to P.O. Box 600

Greenwood, DE 19950