GENERATION INTERCONNECTION REQUEST (Application Form)

For generation greater than 40 kW connecting to 100 kV and below

Transmission Owner: Southern Illinois Power Cooperative (SIPC)

Designated Contact Person: Attn: Power Delivery Department

Address: 11543 Lake of Egypt Rd.

Marion, IL 62959

Telephone Number: (618) 964-1448

An Interconnection Request is considered complete when it provides all applicable and correct information required below as well as the processing fee discussed below.

Preamble and Instructions

An Interconnection Customer who requests an interconnection must submit this Interconnection Request by hand delivery, mail or e-mail to the Transmission Owner.

Processing Fee or Deposit

The Interconnection Customer shall submit to the Transmission Owner a non-refundable deposit of either Five Thousand Dollars (\$5,000) for sites less than or equal to 5 MW or Twenty Thousand Dollars (\$20,000) for sites greater than 5 MW but smaller than 50 MW towards the cost of required studies and equipment. All application processing fees will be applied to the total interconnection cost if an Interconnection Agreement is fully executed.

Legal Name of the Interconnection Customer (or, if an individual, individual's name)

Interconnection Customer Information

Name:	
Contact Person:	
Mailing Address:	
City: State: _	Zip:
Facility Location (if different from	m above):
Telephone (Primary):	Telephone (Alternate):
Fax:	E-Mail Address:
Alternative Contact Information ((if different from the Interconnection Customer)
Contact Name:	

Title:			
Address:			
Telephone (Primary):	Telephone (Alternate):		
Fax:	E-Mail Address:		
	New Generating Facility (40 – 5,000 kW) Capacity addition to Existing Generating Facility New Generating Facility (> 5,000 kW)		
If capacity addition to exiexisting net capability):	sting facility, please describe (including a description of the		
Will the Generating Facil	ity be used for any of the following?		
MISO Market Par	ticipant? Yes No		
To Supply Power	to the Interconnection Customer? YesNo		
To Supply Power	to Others? Yes No		
•	onnection (GPS Coordinates):		
Interconnection Customer	s's Requested In-Service Date:		
For installations at location Generating Facility will in	ons with existing electric service to which the proposed nterconnect, provide:		
•	rovider*) (Existing Account Number*) Interconnection Customer if the local electric service provider is assisting Owner]		
Contact Name:			
Title:			
Address:			
Telephone (Primary):	Telephone (Alternate):		

Fax: E-Mail Address:
Generating Facility Information
Type of Generator: InverterSynchronous Induction
Generator Nameplate AC Rating:kW Generator Nameplate kVAR: (leading/lagging)
Interconnection Customer or Customer-Site Load:kW (if none, so state)
Typical Reactive Load (if known):
Maximum Physical Export Capability Requested:kW
Total Number of Generators to be interconnected pursuant to this Interconnection Request: Single phaseThree phase
Generating Facility Characteristic Data (for inverter-based machines)
Type: (Solar, Wind, Storage, Hydro, Biomass, etc.):
Inverter manufacturer and model:
AC and DC Nameplate Rating kW:
Max design fault contribution current: Instantaneous or RMS
Harmonics Contribution:
Generating Facility Characteristic Data (for rotating machines) Generator Manufacturer, Model Name & Number: RPM Frequency: (*) Neutral Grounding Resistor (If Applicable):
Synchronous Generators: Direct Axis Synchronous Reactance, Xd: P.U. Direct Axis Transient Reactance, X' P.U.
Direct Axis Subtransient Reactance, X" d:P.U.
Negative Sequence Reactance, X ₂ : P.U.
Zero Sequence Reactance, X ₀ : P.U.
KVA Base: Field Volts: Field Amperes:

Motoring Power (kW): I ₂ t or K (Heating Time Constant): Rotor Resistance, Rr: Stator Resistance, Rs:	
Rotor Resistance, Rr:	
MARKET AND THE HALL THE STATE OF THE STATE O	
Stator Reactance, Xs:	
Rotor Reactance, Xr:	
Magnetizing Reactance, Xm:	
Short Circuit Reactance, Xd":	
Exciting Current:	
Temperature Rise:	
Frame Size:	
Design Letter:	
Reactive Power Required In Vars (No Load):	
Reactive Power Required In Vars (Full Load):	
Total Rotating Inertia, H: Per Unit on kVA Base	
Note: Please contact the Transmission Owner prior to submitting the Interconnec Request to determine if the specified information above is required. Excitation and Governor System Data for Synchronous Generators Only Provide appropriate IEEE model block diagram of excitation system, governor sy and power system stabilizer (PSS) in accordance with the regional reliability courcriteria. A PSS may be determined to be required by applicable studies. A copy of manufacturer's block diagram may not be substituted.	ystem ncil
Interconnection Facilities Information Will a transformer be used between the generator and the point of common coupl	ing?
YesNo	
YesNo Will the transformer be provided by the Interconnection Customer?Yes	_No
Will the transformer be provided by the Interconnection Customer?Yes Transformer Data (If Applicable, for Interconnection Customer-Owned Transforms the transformer:Single phaseThree phase Size:kVA	mer):
Will the transformer be provided by the Interconnection Customer?Yes Transformer Data (If Applicable, for Interconnection Customer-Owned Transforms the transformer:Single phaseThree phase Size:kVA Transformer Impedance:% onkVA Base	mer):
Will the transformer be provided by the Interconnection Customer?Yes Transformer Data (If Applicable, for Interconnection Customer-Owned Transforms the transformer:Single phaseThree phase Size:kVA Transformer Impedance:% onkVA Base If Three Phase:	mer): A
Will the transformer be provided by the Interconnection Customer?Yes Transformer Data (If Applicable, for Interconnection Customer-Owned Transform Is the transformer:Single phaseThree phase Size:kVA Transformer Impedance:% onkVA Base If Three Phase: Transformer Primary:Volts DeltaWye Wye Grounder	mer): A
	mer): A d ded

Manufacturer:		Type:			
Load Rating (Amps	Load Rating (Amps): Interrupting Rating (Amps):				
Trip Speed (Cycles)					
Interconnection Pro	tective Relays ((If Applicable):			
If Microprocessor-C	Controlled:				
List of Functions ar	nd Adjustable So	etpoints for the protective equ	ipment or software:		
G		N.C	3.6		
Setpoint Function		Minimum	Maximum		
1					
2					
70.71					
If Discrete Compon			G		
(Enclose Copy of an	ny Proposed Tii	ne-Overcurrent Coordination	Curves)		
Manufaatuman	Tymas	Style/Catalog No.	Droposed Cattings		
		Style/Catalog No.:			
Manufacturer:	Type:	Style/Catalog No.:	_ Proposed Setting:		
Current Transforme	or Data (If Appl	icabla):			
Current Transforme	n Data (II Appi	icable).			
Manufacturer	Tyn	e: Accuracy C	lacc·		
Proposed Ratio Cor	nnection:	recuracy C	1435		
Troposed Ratio Cor	meetion:				
Potential Transform	ner Data (If Apr	olicable):			
	ioi Butti (ii i ipp				
Manufacturer:	Typ	e: Accuracy C	lass:		
Proposed Ratio Cor					
1	,				
General Informati	on to include v	vith application:			
One-Line Diagram		• •	YesNo		
Site Plan with .KM	Z if available		YesNo		
System Protection a	and Control Sch	eme Documentation	YesNo		
Relay, Alarm, Cont			YesNo		
			YesNo		
<u> </u>			eYesNo		
J 1 1 — —			YesNo		
CT Manufacturer's Excitation and Ratio Correction CurvesYesNo					
Applicant Signatur	re				
		my knowledge, all the inform	ation provided in this		
Interconnection Red			•		
	=				
Interconnection Cus	stomer:		Date:		