## VERENDRYE ELECTRIC COOPERATIVE

## Application for Operation of Customer-Owned Generation

This application should be completed as soon as possible and returned to the Cooperative Customer Service representative in order to begin processing the request. Visit our website for additional information.

INFORMATION: This application is used by the Cooperative to determine the required equipment configuration for the Customer interface. Every effort should be made to supply as much information as possible.

Company:			
Mailing Address:			
City:	County:	State:	Zip Code:
		•	
	N/ENGINEERING (AI		
Company:			
Mailing Address:			
City:	County:	State:	Zip Code:
Phone Number:		Representative:	
	NTRACTOR (as appli		
Company:			
1			
Mailing Address:			
Mailing Address: City: Phone Number:	County:	State:	Zip Code:
Mailing Address: City: Phone Number:	County:	State:	Zip Code:
Mailing Address: City: Phone Number:  TYPE OF GENERA	County:	State: _Representative:	Zip Code:

ESTIMATED LOAD, GENERATOR RATING AND MODE OF OPERATION INFORMATION

The following information will be used to help properly design the Cooperative customer interconnection. This information is not intended as a commitment or contract for billing purposes.

Total Site Load	(kW)			
Residential	Commerci	al	Industrial	
Generator Rating			imated Generation	(kWh)
Mode of Operation	_ ( )			(== = )
-				
Isolated	Paralleling	Po	wer Export	
DESCRIPTION OF PRO	POSED INSTALLA	ATION AND OPE	RATION	
Give a general description of twhen you plan to operate the g	generator.	-	d description of its plann	
PART 2				
(Complete all applicable items	. Copy this page as rec	quired for additional	generators)	
SYNCHRONOUS GENERA	TOR DATA			
Unit Number:		units with listed speci	fications on site:	
Manufacturer:				
Type:		Date of manufacture:		
Serial Number (each):				
Phases: Single Three	R.P.M.:	Vilowett	Frequency (Hz):	ilovolt Ammana
Rated Output (for one unit): _ Rated Power Factor (%):	Pated Vol	_Kiiowaii	Pated Amperes:	novon-Ampere
Field Volts: F	Kaicu voi Field Amns:	Motoring	Kated Amperes	
Synchronous Reactance (Xd):	icia i impo.	wotoning	, power (k**).	KVA base
Transient Reactance (X'd):				KVA base
Subtransient Reactance (X'd);				
Negative Sequence Reactance				
Zero Sequence Reactance (Xo				
Neutral Grounding Resistor (in				
I <sub>2</sub> <sup>2</sup> t or K (heating time constant Additional information:				
INDUCTION GENERATOR		a	( <b>D</b> )	ī
Rotor Resistance (Rr):	oh:	ms Stator Resi	stance (Rs):	ohms

Rotor Reactance (X	(r):		ohms			ohms
Magnetizing Reacta	ance (Xm)	):	ohms	Short Circ	uit Reactance (Xd	"): ohms
Design letter:				Frame Size	e:	
Exciting Current:				Temp Rise	(deg C°):	
Reactive Power Re	quired:		Vars	(no load),		Vars (full load)
Additional informa	tion:					
PRIME MOVER Unit Number:						
Serial Number			Date o	of manufacture		
H.P. Rated:		H.P. Max.:		Inertia Con	nstant:	lbft. <sup>2</sup>
Energy Source (hyd	dro, steam	, wind, etc.) _				
	RANSFO	RMER (Comp	lete all applicat			
				of manufactur	rom	
Manufacturer:	ibei		Date	or manuraciui	iei	
Sorial Number:						
Serial Number:		KV Conn	action: dolto	wwo Nouts	rol colidly ground	ed?
Low Voltage:		KV, Conne	ection: delta	wye, Neuti	ral solidly ground	led?
						KVA base.
						KVA base.
						KVA base.
INVERTER DA	<b>TA</b> (if ap	oplicable)				
Manufacturer:						
Rated Power Fact	tor (%): _	R	ated Voltage (	Volts):	Rated A	mperes:
Inverter Type (fer						
	ion: Max Maxi I availabl	imum Single mum Total H e calculations	[armonic (%) _			wing inverter output
POWER CIRCU				••••••		
Manufacturer:				Model:	·	
						res)
Interrupting ratin	g (Ampe	 res):			BIL Rating:	
Interrupting medi	um / inst	ılating mediu	m (ex. Vacuur	n. gas. oil )		/
Control Voltage (	Closing)		(ch. vacuul	In 543, OH / _ Volts) AC	DC	
Control Voltage	Trinning)	·	(V	Volte) AC	DC Rattory	Charged Capacitor
					De Dantery	Charged Capacitor
Close energy: S Trip energy: S	pring	Motor	Hydraulic	Pneumati	c Other	
Trip chergy.	Pring	1410101	11y di dulle	i neuman	· Juici	

_		(Max. ratio) Relay Accuracy Class:	_
Multi ratio?	No	Yes: (Available taps)	-
			•••
ADDITIONAL INFO	RMATI	ON	
all applicable elements breakers, protective redocuments necessary	ntary dio clays, etc for the p	above, please attach a detailed one-line diagram of the proposed facingrams, major equipment, (generators, transformers, inverters, circ.) specifications, test reports, etc., and any other applicable drawing proper design of the interconnection. Also describe the project's plant heat and power, peak shaving, etc.), and its address or grid coordinate	cuit s or enea
END OF PART	2		
SIGN OFF AREA			
		the Cooperative with any additional information required to complete shall operate his equipment within the guidelines set forth by the	the
Applicant		Date	_
ELECTRIC COOPE INFORMATION:	RATIVI	E CONTACT FOR APPLICATION SUBMISSION AND FOR MO	RE
Cooperative contact:	Tom R	afferty	
Title:	Memb	er Services Manager	
Address:	615 Hv	wy 52 West	
	Velva,	ND 58790	
Phone:	701-33	8-2855	
Fax:	701-62	4-0353	
e-mail:	tomdr	@verendrye.com	
			•••