Generator Supplement Wisconsin Standard Distributed Generation Application Form

APPLICANT NAME				
LAST NAME	FIRST NAME		MIDDLE NAME	
1. ENGINE / GENERATOR INFORM.	ATION			
ENGINE / GENERATOR MANUFACTURER			-	
MODEL NUMBER	N	UMBER OF UNITS INSTALLE	E D	
Generation Type: _ Synchronous	➡ Induction ➡	Other (provide attachme	nts to describe)	
■ Single-phase	➡ Three-phase			
If three-phase, specify configuration	3-wire delta = 3-wire wye			
Interface Information: Generator Synch	ronizer			
			kVA	1
MANUFACTURER	S	WITCH RATING		
		Automatic Synchronizer	<u></u> ■ Manua	l Synchronizer
MODEL NO				
Fuel Source: Diesel Petrole	eum <u> </u>	s _ Other (specify)		_
Generator Maximum Ratings				
kW kVA	Volts	Amps	Hertz	Power Factor %
Power Factor Adjustment Range	min		max	
Neutral Grounding System Used _ Ung	grounded Solidly Grounde	d Grounding Impe	edance	z
For synchronous generators (kVA base)	F	or induction generators (k\	/A base)	
Synchronous reactance	(Xd %) Lo	ocked rotor current		Amps
Transient reactance	(X _{d'} %) S	tator leakage resistance		(Rs %)
Sub-transient reactance	(X d'' %) R	otor resistance		(Rr %)
Zero sequence reactance	(X_° %) R	otor leakage resistance		(Rı %)
Negative sequence reactance	(X ₁ %)			
For induction machines, what is the inrush	(startup) current	Amps		

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If the generator is > 1MW (category	y 4) provide the following:		
M1	(momentum constant)	Stator Reactance	(Xs %)
M2	(momentum constant)	Rotor Reactance	(Xr %)
Field Voltage	Volts	Magnetizing Reactance	(Xm %)
Field Current	Amps	Short Circuit Reactance	(Xd %)
If the system includes more than	n one type of engine/generator, inclu	de additional copies of this page as	needed.
2. SYSTEM TOTALS			
System Total Maximum Ratings:			
kW	kVA Volts	Amps Hertz	Power Factor %
Total inrush (startup) current	Amps	S	
3. INTERCONNECTION DISC	CONNECT SWITCH SHORT CIRC	CUIT CURRENT SPECIFICATIONS	;
3a) Total short circuit current cont	tribution of the generating system (at po	oint of interconnection)	
Amps (single-pha	se) Amps (three	ee-phase symmetrical)	Amps (asymmetrical)
3b) Load break capability rating of	disconnection device (Must be greater	r than or equal to #3a above)	
Amps (single-pha	se) Amps (three	ee-phase symmetrical)	Amps (asymmetrical)
4. WILL APPLICANT INSTALL	A DEDICATED TRANSFORMER?		
_ Yes _ No	If yes, specify winding configuration	n: [HV winding]	[LV winding]
If yes, provide the following and at	ttach manufacturer specification data sl	heets	
kVA rating kVA	Primary Volts V	Secondary Volts V	Impedance %
If three-phase, specify connection	configuration: 3-wire delta	□ 3-wire wye □ 4-wire ground	ded wye
	Γ (THIS MAY BE DETERMINED B N, ATTACH MANUFACTURER SP	BY THE ELECTRIC SERVICE PROPECIFICATION DATA SHEETS.	VIDER).
6. WILL AN ENERGY STORA (IF SO, FILL OUT ENERGY	AGE SYSTEM BE INSTALLED? Y STORAGE SUPPLEMENT AND	ATTACH SPECIFICATION SHEE	TS)
_ Yes _ No	_ If Yes, is specification sheet att	ached?	
7. ANY ADDITIONAL COMME	ENTS?		