Generator Supplement Michigan Standard Distributed Generation Application Form

APPLICANT NAME				
LAST NAME	FIRST NAME		MIDDLE NAME	
1. ENGINE / GENERATOR INFO	DRMATION			
				,
ENGINE / GENERATOR MANUFACTURE	R			
MODEL NUMBER		NUMBER OF UNITS INSTAL	LED	
Generation Type: Synchronous	s Induction	Other (provide attachm	nents to describe)	
Single-phase	e Three-phase			
If three-phase, specify configuration	3-wire delta 3-wire w	ye 4-wire wye		
Interface Information: Generator Sy	ynchronizer			
			kV	'A
MANUFACTURER		SWITCH RATING		
		Automatic Synchronize	er Manu	ial Synchronizer
MODEL NO				
Fuel Source: Diesel Pe	etroleum Natural gas Bio	ogas Hydro Ot	ther (specify)	
Generator Maximum Ratings				
kW k	VA Volts	Amps	Hertz	Power Factor %
Power Factor Adjustment Range	min		max	
Neutral Grounding System Used	Ungrounded Solidly Ground	nded Grounding Im	pedance	z
For synchronous generators (kVA bas	se)	For induction generators (kVA base)	
Synchronous reactance	(Xd %)	Locked rotor current	_	Amps
Transient reactance	(Xd' %)	Stator leakage resistance	_	(Rs %)
Sub-transient reactance	(Xd" %)	Rotor resistance	_	(Rr %)
Zero sequence reactance	(X _o %)	Rotor leakage resistance	_	(Rı %)
Negative sequence reactance	(X1 %)			
For induction machines, what is the ir	nrush (startup) current	Amps		

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If the generator is > 1MW (category 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		(X _d %)
If the system includes more than o	ne type of engine/generator, incl	ude additional copies of this μ	page as needed.	
2. SYSTEM TOTALS				
System Total Maximum Ratings:				
kW kV	A Volts	Amps	Hertz	Power Factor %
Total inrush (startup) current	Amp	s		
3. INTERCONNECTION DISCO	NNECT SWITCH SHORT CIR	CUIT CURRENT SPECIFIC	ATIONS	
3a) Total short circuit current contrib	ution of the generating system (at p	oint of interconnection)		
Amps (single-phase) Amps (thr	ee-phase symmetrical)		Amps (asymmetrical)
3b) Load break capability rating of dis	sconnection device (Must be greate	r than or equal to #3a above)		
Amps (single-phase) Amps (thr	ee-phase symmetrical)		Amps (asymmetrical)
4. WILL APPLICANT INSTALL A		ee-phase symmetrical) _		Amps (asymmetrical)
		· · · · · ·		Amps (asymmetrical) [LV winding]
4. WILL APPLICANT INSTALL A	DEDICATED TRANSFORMER? If yes, specify winding configuration	on: [HV wir		
4. WILL APPLICANT INSTALL A Yes No	DEDICATED TRANSFORMER? If yes, specify winding configuration	on: [HV wir	ding]	
4. WILL APPLICANT INSTALL A Yes No If yes, provide the following and attack	DEDICATED TRANSFORMER? If yes, specify winding configuration can be manufacturer specification data so the primary Volts	on: [HV wir sheets Secondary Volts	ding]	[LV winding]
4. WILL APPLICANT INSTALL A Yes No If yes, provide the following and attack kVA rating kVA If three-phase, specify connection co 5. PROTECTIVE EQUIPMENT (DEDICATED TRANSFORMER? If yes, specify winding configuration the manufacturer specification data so the primary Volts V Infiguration: 3-wire delta	on: [HV wireliheets Secondary Volts 4-wireliheets	v v ve grounded wye	[LV winding]
4. WILL APPLICANT INSTALL A Yes No If yes, provide the following and attack kVA rating kVA If three-phase, specify connection co 5. PROTECTIVE EQUIPMENT (IF EQUIPMENT IS KNOWN, A	DEDICATED TRANSFORMER? If yes, specify winding configuration the manufacturer specification data is Primary Volts	on: [HV wire sheets Secondary Volts 4-wire wye 4-wire BY THE ELECTRIC SERVICE S	v v ve grounded wye E PROVIDER).	[LV winding]
4. WILL APPLICANT INSTALL A Yes No If yes, provide the following and attack kVA rating kVA If three-phase, specify connection co 5. PROTECTIVE EQUIPMENT (IF EQUIPMENT IS KNOWN, A	DEDICATED TRANSFORMER? If yes, specify winding configuration the manufacturer specification data is Primary Volts	on: [HV wind wheets Secondary Volts 4-wind wheets	v v ve grounded wye E PROVIDER).	[LV winding]
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