

Mor-Gran-Sou Electric Cooperative, Inc.

Consumer Guidelines for Electric Power Generator Installation and Interconnection

Mor-Gran-Sou Electric Cooperative seeks to provide its members and patrons with the best electric service possible, and at the lowest cost consistent with sound economy and good management. In some cases, cooperative members and patrons may become interested in installing their own electric power generation equipment. In these cases, Mor-Gran-Sou policy requires that your generation equipment be installed in a proper and safe manner, and in accordance with all applicable codes, standards, regulations, laws and insurance requirements. In most of these cases, you will also need to coordinate the installation and approval of your electric power generator with the local code inspection authority.

Table 1 summarizes the information required from a customer who is installing distributed generation.

<i>DG Information</i>		<i>Information Required from Customer</i>				
Size	Inter-connected with Coop?	Appl. Fee	Appl. Part 1	Appl. Part 2	Contract Agreement Short	Contract Agreement Long
0 to 10 kW	No	\$ 0				
	Yes	\$ 0	✓		✓	
10-50 kW	No	\$ 0				
	Yes	\$ 100	✓	✓		✓
50 - 150 kW	No	\$ 0				
	Yes	\$ 250	✓	✓		✓
Over 150 kW	No	\$ 0				
	Yes	See MGS Representative for Information and Requirements				

The remainder of this guideline details specific information that is required for different sizes and applications of customer-owned distributed generation.

Special Accelerated Application Process for Small Generators

If you are planning to install photovoltaic (PV) or other generators less than 10 kilowatts (kW) in a home residence or farm, we have established a special streamlined process to make it easy for you to complete the installation.

Not to be Interconnected

If your small generator is not to be interconnected with the electric power system, all you need to do is give us a call, and provide us with the electrical capacity, manufacturer and name of your electrical installer. We may ask you to send us a copy of your manufacturer information. There is no formal application or fee required.

To be Interconnected

If you are planning to interconnect your generator with the cooperative's electric power distribution system, you need to complete Part 1 of the attached application and submit it to us. A minimal application fee is also required (see fee schedule attached). You also need to sign our streamlined contract form (copy of Short Form Contract Agreement attached).

Generators Not Interconnected with the Cooperative Distribution System

You may be planning to install a generator for isolated operation, with no connection to the cooperative distribution system. Find your specific situation below.

Generator Installation (0-10 kW and not interconnected with the Cooperative Distribution System)

If you are considering installation of an emergency generator from 0-10 kW, typically running on gasoline or diesel fuel oil, you are probably not planning to interconnect your generator with the cooperative electric power distribution system. It is important that your installation is safe to you, safe to other customers and to our utility workers. It also should not interfere with your electric cooperative's reliable supply of electric power to your residence or other facility. To accomplish this, care must be taken to install your generator so that it will either 1) only start up to serve your entire load when you have disconnected from the electric power grid, or 2) you are only serving isolated loads where there is a choice of power supply (the cooperative system or your emergency generator). Please let us know once your generator is up and running.

Generator Installation (greater than 10 kW and not interconnected with the Cooperative Distribution System)

Installation of larger generators within a customer facility has the potential to impact distribution system operations. If you are planning to install a large generator, please complete Parts 1 and 2 of the attached application and submit it to us so we are aware of

your plans. There is NO fee associated with this application (see fee schedule attached). We will review your plans to ensure that your installation is not interconnected, and to make certain to the greatest extent possible that your installation will not endanger safety or reliability on the cooperative's electrical distribution system. We want to make sure that your installation will not place our utility workers in any danger of electric shock. We will report back to you with our findings within 20 business days of your application.

Generators Interconnected with the Cooperative Distribution System

When installing a generator and planning to interconnect with the distribution system, we must review your plans to ensure that personnel safety and system reliability will not be compromised.

If you are interested in selling some or all of the power that you generate, we have one or more programs in place for the purchase of power from consumers, and we are willing to wheel excess power for you.

Generator Installation and Interconnection with the Cooperative Distribution System (all generators)

Customers may wish to install their new generator and interconnect it with the cooperative electric distribution system. In these cases, you need to complete the attached application form and pay the application fee. If your proposed generator installation is 10,000 watts or less and no power will be exported, you only need to complete Part 1 of the application¹. If your generator is more than 10,000 watts, you must complete Parts 1 and 2. You also need to complete the Long Form Contract Agreement if you are interconnected with the cooperative. A check made out to the Cooperative in the amount of the proper fee must accompany the application. An application fee schedule is attached. Submit your application to your electric cooperative representative as indicated below.

Once we receive your application, we will review your proposed generator installation. If we approve your application, we will let you know if there are special steps you need to take during the generator installation process. We may request additional information regarding your planned installation. We will also ask you to sign a contract in which you agree to operate your generator safely, maintain the unit properly, and maintain insurance as needed. We will furnish you an advance copy of the contract upon request.

You can give us a call at anytime during this review process to find out the status of your application. If your application is not approved for any reason, we will explain the reason and be available to discuss your plans.

As part of our application review process, we will examine the ability of the cooperative electric distribution system to accept your new power generation unit. On certain parts of our system, we may need to replace existing equipment or add some new equipment in

¹ If power export is planned, you must complete Parts 1 and 2 of the application.

order to accommodate customer generation. The Cooperative will then incur costs beyond what is normally required to operate and maintain the system to benefit all members. To be fair to all members, you will need to pay for any system upgrades that will be needed. If this is the case for your planned generator installation, we will advise you of the additional cost, and seek your agreement before approving your application. You will also be asked to sign a system upgrade contract that obligates you to reimburse us for the additional expense incurred on your behalf.

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Submit your application to your electric cooperative representative as follows:

Cooperative contact: Trisha Samuelson
Title: Manager of Engineering Services
Address: Innovative Energy Alliance Cooperative
P.O. Box 297
Flasher, ND 58535
Phone: 1-701-355-5856
MGS Office: 1-701-663-0297