



Facility Interconnection Agreement

General:

FEUS will authorize the interconnection of any photovoltaic or other qualifying renewable resource, generating system that complies with FEUS' Interconnection Requirements as stated in Rule 21.

- Systems that interconnect by means of an inverter that is UL 1741 compliant meet State and FEUS requirements.
- Interconnected systems must comply with all applicable building and electrical codes.
- A single meter will normally be used for net metering.
- FEUS requires that a utility-accessible, lockable load-break disconnect switch be installed between the output of the inverter and the point of interconnection. This switch is referred to later as the customer generation disconnect switch. This disconnect, which can be operated and controlled by FEUS, must provide a verifiable, visible air gap between the inverter and the point of interconnection. Circuit breakers and inverter software modes do not meet the disconnect switch requirement. Be sure to confirm with your installer that opening the customer generation disconnect switch will not cause some of your loads to be without power from FEUS.
- For installations where the customer generation disconnect switch is not located adjacent to the FEUS metering point, a simple site diagram showing the physical locations of all key components is required. The system one-line and site diagram drawings must identify all major equipment including the inverter, electric service panels, the customer generation disconnect switch and the FEUS metering point. These last two items must be clearly labeled on the one-line diagram.
- FEUS personnel must verify the anti-islanding operation of the inverter.
- A permanent weatherproof one-line diagram or sketch of the system must be installed at the FEUS point of service.
- A standard form of interconnection agreement between FEUS and the customer must be signed before the system can be interconnected to the FEUS system.

Detailed Process:

1. Request an application from New Service personnel in the Business Operations Division of the Farmington Electric Utility located at 101 North Browning Parkway in Farmington or call (505) 599-8310, 8312 or 8317.
2. When your project plans are finalized, complete the application for interconnection and return it along with the \$50 application fee to FEUS using the address above. The application must include a copy of the inverter manufacturer's specification sheet showing the inverter's rating and its listing under UL 1741. The application will also need to include a simple one-line diagram of the proposed system. For installations where the customer generation disconnect switch (utility accessible disconnect switch) is not located adjacent to the FEUS metering point, a simple site diagram showing the physical locations of all key components of the system is required. The system one-line and site diagram drawings must identify all major equipment including the inverter, electric

service panels, the customer generation disconnect switch and the FEUS metering point. These last two items must be clearly labeled on the one-line diagram.

FEUS will not process or approve projects without finalized project plans.

The one-line electrical diagram and, if required, the site diagram are critical components of the application for interconnection and will become part of the Interconnection Agreement. Deficiencies in the one-line diagram and site drawing are the most common cause for delays in FEUS' review and approval of an application for interconnection.

If there are any questions or concerns about the application or about the interconnection plans, FEUS will contact you or your contractor for clarification to resolve the interconnection concerns. If the application is complete and the interconnections plans are acceptable, FEUS will approve the interconnection design.

To avoid unnecessary cost and delay, it is recommended that FEUS' approval of the final interconnection design be obtained prior to purchasing material or equipment for the project.

3. After the application has been approved, FEUS will send you two originals of the standard form Interconnection Agreement. Both originals of this agreement will need to be signed by you, the FEUS customer/generator owner who is requesting the interconnection. You then return both of the signed originals to FEUS for FEUS' signature.

FEUS will execute the Interconnection Agreement when all inspections are complete and the generating system has been authorized to commence interconnected operation.

4. After construction of the generating system is complete and after it has received the final electric inspection from the local building code authority, you or your contractor will need to contact FEUS for an interconnection approval inspection. The purpose of the FEUS inspection will be:
 - a. To verify that the facility has been constructed as it is represented in the application and in the Interconnection Agreement;
 - b. To verify that the anti-islanding protection of the inverter is operational.
 - c. To install permanent warning signs and to verify that a permanent weatherproof copy of the one-line diagram and, if required, a site drawing have been installed at the point of the metering.

FEUS interconnection inspections can usually be scheduled within 10 working days of receiving a request.

5. After the interconnection has passed FEUS' inspection, FEUS will provide written authorization for you to commence interconnected operations. The written authorization to commence interconnected operation is an attachment to the fully executed Interconnection Agreement.

FEUS will return one of the fully executed agreements to you, the customer/generator owner.

The generating system may not be operated in parallel with FEUS' system without FEUS' written authorization to do so.

Waiver/Indemnification:

Customer shall indemnify and hold harmless the Utility (FEUS), the City of Farmington, its employees, representatives, agents, and subcontractors from and against all claims, liability, damages and expenses, including attorney's fees, based on an injury to any person, including the loss of life, or damage to any property, including the loss of use thereof, arising out of, resulting from, or connected with, or that may be alleged to have arisen out of, resulted from, or connected with, an act or omission by the Customer, its employees, agents, representatives, successors or assigns in the construction, ownership, operation or maintenance of the Customer's facilities used in connection with this Agreement.

Agreement:

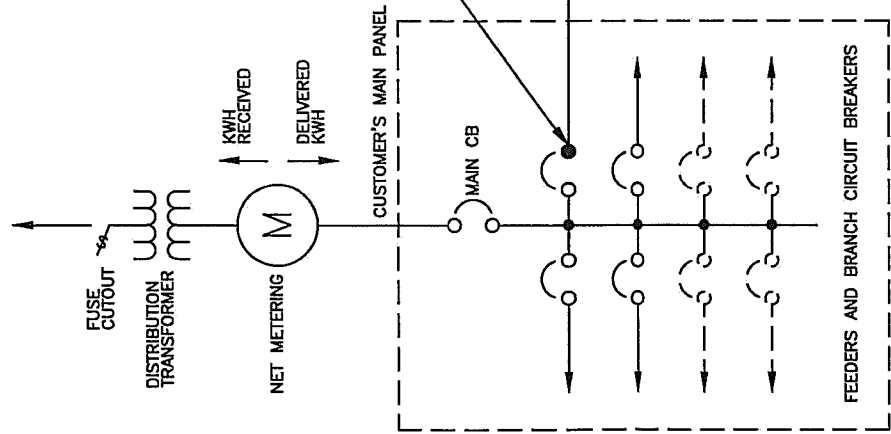
I, _____, agree to abide by these interconnection guidelines and Rule 21 as currently written or revised in the future.

Owner

Date

November 13, 2007
September 8, 2015
May 17, 2018
June 25, 2020

FARMINGTON ELECTRIC UTILITY SYSTEM LINE

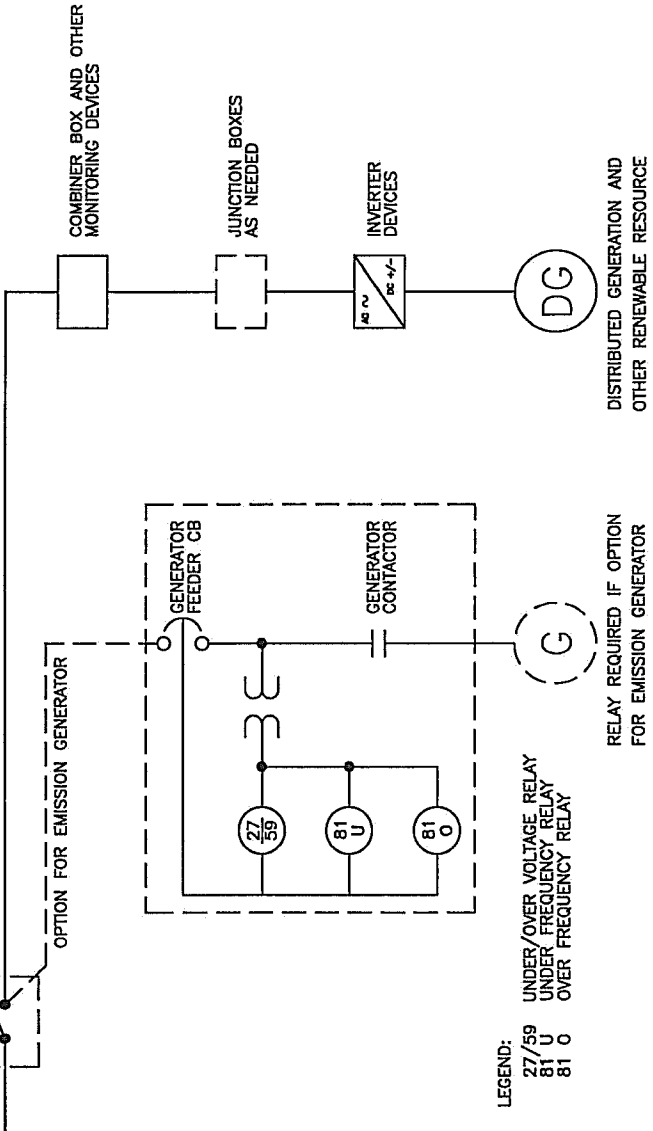


RELAY LISTS AND NOTES:

DEVICE	FUNCTION
25	SYNCHRONISM CHECK
27	UNDERVOLTAGE
32	REVERSE POWER
40	LOSS OF FIELD
41	FIELD CIRCUIT BREAKER
46	NEGATIVE SEQUENCE OR PHASE BALANCE OVERCURRENT
47	PHASE SEQUENCE AND VOLTAGE BALANCE
51V	VOLTAGE CONTROLLED TIME CURRENT
51N	RESIDUAL -- TIME OVERCURRENT
52	CIRCUIT BREAKER
59	OVERVOLTAGE
64	FIELD GROUND
81-O	OVERFREQUENCY
81-U	UNDERFREQUENCY
WH	WATT-HOUR METER
SA *	SURGE ARRESTER
	NOT USED FOR INDUCTION GENERATORS
	SUGGESTED POWER FACTOR CORRECTION FOR INDUCTION GENERATORS, 0.95 ± PF

NOTES:

- RELAYS FOR EMISSION GENERATOR TO BE UTILITY GRADE.
- OPTIONAL METERING ARRANGEMENTS AVAILABLE, REFER TO RULE 21.
- UTILITY DOES NOT SUPPLY PRODUCTION METER.



RELAY REQUIRED IF OPTION FOR EMISSION GENERATOR

DISTRIBUTED GENERATION AND OTHER RENEWABLE RESOURCE

RESIDENTIAL & SMALL FACILITY METER AND INTERCONNECTION CONFIGURATION (EMISSION GENERATOR - LESS THAN 10 KW) PHOTOVOLTAIC & OTHER RENEWABLE RESOURCE - <10KW		CITY OF FARMINGTON ELECTRIC UTILITY SYSTEM	
DATE	REVISION	APP'D.	CHECKED BY:
07/01/2022	RESIDENTIAL KW RATING	J.A.	R. GA
07/01/2022	POINT OF INTERCONNECTION	J.A.	J. ARMENTA
		DRAWN BY:	APPROVED BY:
		T. GAGHART	J. ARMENTA
		07/01/2022	DC-6.1