

Laws



Rules



Procedures



Utility Specific Documents

Laws

Act 3 of 1939, as amended

460.10e (3)

The commission shall establish standards for the interconnection of merchant plants with the transmission and distribution systems of electric utilities.

Rules

Act 295 of 2008, as amended

460.1173 (1) Distributed generation program.

The commission shall establish a distributed generation program by order issued not later than 90 days after the effective date of the 2016 act that amended this section. The commission may promulgate rules the commission considers necessary to implement this program. Any rules adopted regarding time limits for approval of parallel operation shall recognize reliability and safety complications including those arising from equipment saturation, use of multiple technologies, and proximity to synchronous motor loads.

Procedures

Utility
Documents

Public Utility Regulatory Policies Act of 1978 (PURPA)

Laws



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Utility
Documents

- Rules may also be referred to as “standards.”
- Generally, requirements that are applicable to all utilities must go through the rulemaking process.
- Incorporating a stakeholder process to develop a draft ruleset and formal rulemaking can take 24 months.
- Rules may include a waiver process – however, any waiver must not violate the law.
- Current MPSC Electric Interconnection and Net Metering Standards

Rules (continued)

Laws



Rules



Procedures



Utility
Documents

- Current MPSC Electric Interconnection and Net Metering Standards
 - Definitions
 - Adoptions of Standards by Reference
 - Prohibited Practices
 - Designated Points of Contact
 - Alternative Dispute Resolution
 - Appointment of Experts
 - Waivers
 - Electric Utility Interconnection Procedures
 - Interconnection Fees
 - Application and Interconnection Process
 - Modifications to Project
 - Insurance
 - Disconnection
 - Easements and Rights-of-Way

(Net Metering section headings not included.)

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Utility Documents

- The Generator Interconnection Procedures, Applications and Interconnection Agreements for Category 1 and 2 Projects (up to 150 kW) were approved by Commission Order.
- Created by a utility to comply with the rules.

MICHIGAN ELECTRIC UTILITY
Generator Interconnection Procedures
Category 1 Inverter Based
Projects with
Aggregate Generator Output
20 kW or Less certified for anti-islanding in
compliance with IEEE 1547 standards et seq

December 2012

Procedures (continued)

Laws



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Procedures



Utility
Documents

- Current Category 1 Projects - Generator Interconnection Procedures (up to 20 kW, certified, inverter-based)
 - Interconnection Process
 - Operational Provisions
 - Technical Requirements
 - Relaying Design Requirements
 - Requirements for Inverter Projects
 - Maintenance and Testing
 - Miscellaneous Operational Requirements
 - Revenue Metering Requirements
 - Appendices

Procedures (continued)

Laws



Rules



Procedures



Utility
Documents

- Standard Interconnection Applications and Interconnection Agreements for Category 1 & 2 projects were approved with the Procedures.
- Rules may direct utilities to include specific information in Procedures.

Laws



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Utility Documents

- Not reviewed or approved by the Commission.
- Utility specific information
 - Example: DTE’s Service Equipment Manual

<u>SERVICE EQUIPMENT</u>		<u>INDEX</u>
		APR 2014
 <u>SECTION 5</u>		
 <u>METER & SERVICE EQUIPMENT</u>		
General Rules and Regulations.....		5-1-1
Equipment Assembly and Installation		5-1-2
Indoor Metering, Grounding, and Bonding.....		5-1-3
Meter Enclosure Connections		5-1-4
A-base and B-base Meter Enclosure – Customer Installation		5-1-5
Bonding and Ground Circuits	5-1-7 and 5-1-8	
Repair and Refastening of Equipment	5-1-9 and 5-1-10	