

# Rule 024 (Version 1.0)

## Rules Respecting Micro-Generation

This revised rule was approved by the Alberta Utilities Commission on June 15, 2017, and is effective on July 4, 2017.

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## 1 Definitions

In this rule,

- (a) “aggregated sites” means aggregated sites as defined in the *Micro-Generation Regulation*;
- (b) “Commission” means the Alberta Utilities Commission;
- (c) “customer” has the meaning set out in the *Electric Utilities Act*;
- (d) “inverter” means an electronic device that converts DC electricity into AC electricity;
- (e) “micro-generation generating unit” means a micro-generation generating unit as defined in the *Micro-Generation Regulation*;
- (f) “micro-generation notice” means a micro-generation notice provided by the customer to the owner in accordance with Section 2(1) or 2.1(1) of the *Micro-Generation Regulation* and this rule;
- (g) “notice of dispute” means a notice prepared by the owner and filed with the Commission in accordance with Section 2(2) or 2.1(2) or Section 4(3) or 4(3.1) of the *Micro-Generation Regulation* and this rule;
- (h) “notice of complaint” means a notice prepared by the customer and filed with the Commission in accordance with Section 3(5) of the *Micro-Generation Regulation* and this rule;
- (i) “owner” means the owner of an electric distribution system in the service area where the customer plans to construct or alter and operate a micro-generation generating unit.

## 2 Exemption from power plant application

A customer who plans to construct or alter and operate a micro-generation generating unit to meet all or a portion of the customer’s total energy consumption, and the unit’s total nameplate capacity does not exceed five megawatts, and who intends to connect the unit to the interconnected electric system may proceed without filing a power plant application under Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations and Hydro Developments* to the Commission if the construction or alteration and operation of the unit

- (a) does not directly and adversely affect any person;
- (b) does not have any adverse environmental impact; and
- (c) the unit is constructed or altered and operated, in compliance with Rule 012: *Noise Control*.

### 3 Micro-generation notice process

- (1) Prior to filing a micro-generation notice with the owner, a customer must notify and consult with stakeholders, in accordance with Appendix A1- Participant involvement program guidelines of Rule 007, on the plan to construct or alter and operate a micro-generation generating unit.
- (2) A customer who intends to construct or alter and operate a micro-generation generating unit shall complete a micro-generation notice, Form A, and send the completed notice and all supporting documents to the owner.
- (3) Within 14 days of the receipt of a micro-generation notice, the owner shall
  - (a) notify the customer of whether the notice and required documents are complete;
  - (b) if the notice and the required documents are complete,
    - (i) notify the customer that the owner accepts the notice and inform the customer of the estimated connection date of the micro-generation generating unit; or
    - (ii) notify the customer that the owner is disputing that the proposed generating unit qualifies as a micro-generation generating unit.
- (4) If the owner does not dispute that the micro-generation generating unit qualifies as a micro-generation generating unit or in the event that the Commission decides that a disputed unit is a micro-generation generating unit, the customer must provide notice in writing to the customer's retailer or regulated rate provider of the micro-generation generating unit in order to receive credit compensation for micro-generation.

### 4 Qualification as a micro-generation generating unit

- (1) Within 14 days of receipt of a completed micro-generation notice from a customer, if the owner considers that the customer's proposed micro-generation generating unit will not qualify as a micro-generation generating unit, the owner shall complete a notice of dispute, Form B, and send a copy of the notice of dispute to the customer, at the contact address in the manner indicated in the micro-generation notice.
- (2) An owner shall file a notice of dispute with the Commission through the Commission's eFiling System within 14 days of receipt of a complete micro-generation notice.
- (3) On receipt of the notice of dispute, the Commission shall, within 30 days or such longer period as the Commission considers necessary, issue its decision in accordance with Section 2(3) or 2.1(3) of the *Micro-Generation Regulation*.

## 5 **Costs of bi-directional interval meter**

- (1) If a customer requests the installation of a bi-directional interval meter for small micro-generation under Section 3(3) of the *Micro-Generation Regulation*, and the owner declines the request, the owner shall notify the customer of its decision at the customer's contact address in the manner indicated in the request, within 14 days following receipt of this request.
- (2) Within 14 days of the receipt of a notification declining the bi-directional interval meter request, the customer may apply for an order requiring the owner to comply with the customer's request for the installation of a bi-directional interval meter by completing a notice of complaint, Form C, and filing it with the Commission through the Commission's eFiling System.
- (3) The customer shall send a copy of the notice of complaint to the owner at the owner's contact address in the manner indicated in the notification given by the owner.

## 6 **Extraordinary interconnection costs**

- (1) Following receipt of a complete micro-generation notice from a customer, if the owner considers the costs of connecting a customer's micro-generation generating unit to be extraordinary for the reasons set out in Section 4(3) or 4(3.1) of the *Micro-Generation Regulation*, the owner shall file a completed notice of dispute, Form B, through the Commission's eFiling System within 14 days from the date in which the owner finalizes its cost estimate.
- (2) The owner shall send a copy of the notice of dispute to the customer, at the customer's contact address in the manner indicated in the micro-generation notice within 14 days from the date in which the owner finalizes its cost estimate.

## 7 **General provisions**

- (1) With respect to a notice of dispute or a notice of complaint filed with the Commission, the Commission will determine the process for the notice.
- (2) Rules 007 and 012 apply to a micro-generation generating unit.
- (3) Rule 021: *Settlement System Code Rules* applies to all transactions conducted under the *Micro-Generation Regulation*.

## 8 **Retention of records**

- (1) A customer shall retain, as long as the micro-generation generating unit is in operation,
  - (a) all information on the participant involvement program conducted under Section 3(1) respecting the construction or alteration and operation of a micro-generation generating unit;

- (b) all information and documents filed in support of a power plant application under Rule 007, if the micro-generation generating unit is not exempt from the filing of a power plant application;
  - (c) the completed micro-generation notice and all supporting documents submitted to the owner under Section 3(2);
  - (d) all documents related to a dispute under Section 4 or a complaint under Section 5;
  - (e) all records pertaining to the construction or alteration and operation of the micro-generation generating unit.
- (2) An owner shall retain all information and documents pertaining to a customer's micro-generation generating unit, as long as the micro-generation generating unit is in operation.
  - (3) The Commission may request from a customer or an owner the information or documentation required to be kept under this section.
  - (4) A customer or an owner shall submit the information or documentation required to be kept under this section in accordance with the Commission's request.

Owner's Logo

## Form A – Micro-Generation Notice

(If you have questions on how to fill in the form, refer to Micro-Generation Notice Submission Guideline posted on the AUC website: [www.auc.ab.ca](http://www.auc.ab.ca))

### Check the appropriate boxes to identify your micro-generation project:

Project meets micro-generation generating unit size requirements (i.e. not to exceed 5 MW)? Yes  No

Are you an existing micro-generation customer? Yes , existing capacity: \_\_\_\_ kW; No

Are you planning to increase or decrease the generation capacity? Yes , capacity change (+/-): \_\_\_\_ kW; No

Is this notice being used for aggregating multiple sites? Yes  No

1. CUSTOMER IDENTIFICATION			
Name:		Company Name:	
Address:		City:	
Province:	Postal code:	Phone:	Fax:
Email address:		Preferred method of contact: Email <input type="checkbox"/> Mail <input type="checkbox"/> Fax <input type="checkbox"/>	
Consultant name:		Consultant phone #:	
Consultant address/city/province/postal code:			
Other interested parties:			
2. PROJECT DESCRIPTION			
Site Legal Description: (If the project involves aggregated sites, list the sites in the following table. Expand the list in separate sheets of paper if required.)		Site ID:	
Legal land description(s): Site 1. Site 2. Site 3. Site 4.		Site ID(s): Site 1. Site 2. Site 3. Site 4.	
Service address(s): Site 1. Site 2. Site 3. Site 4.		Retailer name(s): Site 1. Site 2. Site 3. Site 4.	
Energy source(s) of the Generator(s): Solar <input type="checkbox"/> Wind <input type="checkbox"/> Hydro <input type="checkbox"/> Biomass <input type="checkbox"/> Fuel cell <input type="checkbox"/> Geothermal <input type="checkbox"/> Other <input type="checkbox"/> Specify: _____ (If the project involves aggregated sites and consists of generators using different energy sources, list them out in a separate table.)			
Type(s) of Generator(s) connected to the utility interface: Inverter based <input type="checkbox"/> Induction <input type="checkbox"/> Synchronous <input type="checkbox"/> (If the project involves aggregated sites and consists of different types of generators, list them out in a separate table.)			
Micro-generation Generating Unit(s) total nameplate a.c. capacity (kW): Site 1: Site 2: Site 3: Site 4:	Estimate a.c. Demand (kVA): Site 1: Site 2: Site 3: Site 4:	Estimate customer annual energy consumption (kWh): Site 1: Site 2: Site 3: Site 4:	
Projected total net a.c. annual energy production (kWh) from the micro-generation generating unit(s) :			

Voltage level of connection:	Phase: Single <input type="checkbox"/> Three <input type="checkbox"/>
If you have inverter(s) in your micro-generating unit(s), does it comply with "CSA Standard C22.2 107.1 – Power Conversion Equipment" in particular standards respecting "Anti-islanding"? Yes <input type="checkbox"/> No <input type="checkbox"/> If you have inverter(s), please specify the inverter(s) type(s) used: Line commutated type <input type="checkbox"/> or Self commutated type <input type="checkbox"/> If you have synchronous-based micro-generating unit(s), does it comply with the owner's technical requirements for connecting generators, in particular requirements regarding "Anti-islanding"? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Requested in service date (YYYY-MM-DD) for connection:	
<b>3. SUPPORTING DOCUMENTS REQUIRED:</b>	
Submit the following supporting documentation: a) Electric single-line diagram b) Site Plan c) Electrical Permit d) Electrical Inspection Report (to be submitted after installation of the micro-generator(s) is completed and inspected) e) Other supporting document(s), if any, please specify: _____	
Have you met all applicable municipal and zoning requirements, including noise rules and by-laws? Yes <input type="checkbox"/> No <input type="checkbox"/> Please specify: _____ * Have you completed the participant involvement program stated in AUC Rule 007? Yes <input type="checkbox"/> No <input type="checkbox"/> Please specify: _____ * Have you met the requirements stated in AUC Rule 012? Yes <input type="checkbox"/> No <input type="checkbox"/> Please specify: _____ * Have you met all applicable environmental requirements? Yes <input type="checkbox"/> No <input type="checkbox"/> Please specify: _____ * Are you aware of any outstanding objections from any person regarding your project? Yes <input type="checkbox"/> Please specify: _____ No <input type="checkbox"/>	
<b>Applicant Signature:</b>	<b>Submission date:</b>
<b>4. ELECTRIC DISTRIBUTION SYSTEM OWNER USE ONLY:</b>	
Owner's notice reference #:	AESO asset ID (if any):
Date received:	Interconnection Line:
<b>Accepted:</b> Yes <input type="checkbox"/> No <input type="checkbox"/> Reason(s) for dispute:	
Interconnection agreement signed? Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable <input type="checkbox"/>	
Meter type: Interval <input type="checkbox"/> Cumulative <input type="checkbox"/>	Substation Number:
Meter Installed Date:	
Remarks:	

\* Notes: The micro-generation customer must ensure that the criteria for an exemption from filing an application with the Commission as stated in Section 2 of this rule are satisfied.

In order to receive electricity generation credits, the micro-generation customer must notify its retailer or regulated rate provider once the notice is accepted by the owner or in the event that the Commission decides that a disputed unit is a micro-generation generating unit.

## Form B – Notice of Dispute

To be completed by owner when there is a dispute with respect to the customer's eligibility to become a micro-generator or on the question of extraordinary costs.

Information required must include the following:

Contact person for the dispute notice:	Name:
	Phone:
Is owner represented by another person?	Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, provide name and contact information
Is a copy of the MG project notice (Form A) attached?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Dispute type:	<input type="checkbox"/> Qualification (MG Regulation - Sections 2(2) or 2.1(2)) <input type="checkbox"/> Extraordinary costs (MG Regulation - Sections 4(3) or 4(3.1))
If dispute is related to Section 2(2) or 2.1(2), has owner served notice on customer within 14 days?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Dispute rationale:	
Other information attached:	

Date of submission: \_\_\_\_\_



## Form C – Notice of Complaint

To be completed by micro-generation customer when there is complaint on the metering cost.

Information required must include the following:

Contact person who submits the complaint notice:	Name:
	Phone:
If customer is represented by another party?	Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, provide name and contact information:
Attached a copy of the MG project notice (Form A):	Yes <input type="checkbox"/> No <input type="checkbox"/>
Type of complaint:	<input type="checkbox"/> Interval metering costs (MG Regulation Section 3(5))
Provide full details of the complaint:	
Other Information attached:	

Date of submission: \_\_\_\_\_