

Micro-Generator



ACE's current Micro-Generator rate is **\$0.2850 + *EMR / kWh (28.50 cents + *EMR / kWh** and expires Dec 31, 2023)

What is micro-generation?

Micro-generation is small-scale local electricity production, which uses renewable and alternative energy sources. Solar power, or Solar Photovoltaic (PV), is one of the most common types of micro-generation in Alberta and you can use the power you generate to offset a portion of your own electricity consumption.

What are the types of micro-generators?

Per provincial Micro-Generation Regulation, there are two types of micro-generators:

- small-scale (under 150 kilowatts)
- large-scale (between 150 kilowatts and 5 megawatts).

Most residential, farm or small business micro-generators are small-scale micro-generators.

Considerations if you want to become a micro-generator:

- By generating your own electricity, you can:
 - reduce your carbon footprint and energy charges on your electricity bill
 - receive a credit from ACE for every kilowatt-hour (kWh) you generate and don't use.
- The cost of delivering energy is essentially fixed and cannot be reduced by generating your own electricity. Therefore, you will still have to pay fees like distribution charges, transmission charges, local access fee, delivery charges and balancing pool allocation on your bill.
- In addition, you will also pay your contracted energy prices if you do not produce enough energy from your micro-generating system and need to take power from the grid.

How much can micro-generators earn for their electricity?

- If you're a small-scale micro-generator, ACE will credit you at the same rate you pay for excess electricity you supply to the grid and you may use these credits to offset your monthly electricity bill.
- If you're a large-scale micro-generator, ACE will credit you as per the AESO Pool Price.

All Credits are Subject to Alberta Regulations

How can someone become a micro-generator?

Anyone wishing to become a micro-generator, may follow the step-by-step guide at <https://www.alberta.ca/micro-generation.aspx> The Alberta Utility Commission's Rule 024 outlines the forms that must be completed to be approved by the AUC as a micro-generator.

For more detailed information on the process and rules on micro-generation in Alberta, visit:

- [Alberta Utilities Commission \(AUC\) website](https://www.auc.ab.ca/)
- <https://www.auc.ab.ca/micro-generation>
- <https://media.www.auc.ab.ca/prd-wp-uploads/2022/01/Rule024.pdf>