

## Micro-Generation Policy and Program Summary<sup>1</sup>

The Yukon government's *Micro-Generation Policy* provides opportunity for electrical utility customers in the Yukon to produce electricity from renewable technologies for their own consumption, and to export any generated surplus to the grid for reimbursement. It encourages the development and adoption of new individual renewable energy sources to offset and reduce personal energy consumption, provide local energy supply and in some cases to reduce greenhouse gas emissions. The policy also supports ongoing research that could diversify Yukon's renewable energy sources.

### Eligible Energy Sources

Only renewable technologies are eligible. These include wind power, micro-hydro, biomass, and solar systems. Other renewable technologies will be considered as they emerge.

### Size of Electricity Projects

Micro-generation projects with a name plate capacity of less than 5 kilowatts for customers on a shared transformer, and less than 25 kilowatts for customers on a single transformer will be assessed through a streamlined utility approval process.

Micro-generation projects with name plate capacities larger than the limits mentioned above, up to 50 kilowatts, will be considered on a case-by-case basis by the utilities and will be subject to a detailed review of the customer's current infrastructure capacity and the local grid reliability factors. Costs related to this review will be the responsibility of the customer.

### Installation of a Micro-generation Project

Customers considering micro-generation projects are cautioned not to incur any expenses until discussing the anticipated design with an electrical contractor and/or an electrical engineer and/or a senior energy advisor at the Energy Solutions Centre. For systems larger than 25 kilowatts, the appropriate utility must also be consulted for approval of the micro-generation project for connection to the grid.

### Connection to the Electrical Grid

Micro-generation customers must meet the utilities' technical requirements which are necessary to ensure the safety of utility workers, micro-generation customers, buildings and equipment.

Important: Micro-generation customers **must** notify the Energy Solutions Centre of micro-generation plans before they can proceed through the micro-generation incentive program. Customers will also be required to make available and provide access to the electrical generation project for inspection by the utilities, or the applicable government regulator. The installation of all eligible energy sources must conform to relevant municipal by-laws, and to territorial and federal regulations and codes.

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<sup>1</sup> To view the full government policy please see *Energy Strategy for Yukon Micro-Generation Policy October 23, 2013* available at [www.energy.gov.yk.ca](http://www.energy.gov.yk.ca)

The utilities will pay for, own, operate and maintain the metering equipment for the micro-generation customer. The metering equipment will include a dual register meter that minimizes interconnection costs but allows the utility to measure both imported energy from the grid and exported energy from the micro-generation customer. Note that reimbursement will only be based on exported electricity as recorded on calibrated, revenue-approved and utility-installed meters.

The micro-generation customer is responsible for the other interconnection costs and any potential transformer upgrade requirements.

### **Production Incentive Program**

All potential micro-generation projects must complete and submit the Micro-generation Project Interconnection Application for approval.

Once approved Yukon micro-generation clients are eligible for the Yukon government's Micro-Generation Production Incentive Program. This program will reimburse customers annually for the amount of electricity exported to the grid at a rate reflective of the avoided cost of new generation in the territory (see Appendix A of the full policy document).

### **For More Information**

- Consult the full Micro-generation Policy at [www.energy.gov.yk.ca/microgeneration.html](http://www.energy.gov.yk.ca/microgeneration.html).
- Visit the Energy Solutions Centre in Whitehorse at 206A Lowe Street.
- Contact the Energy Solutions Centre at 393-7063 or toll free at 1-800-661-0408, or send an e-mail to [energy@gov.yk.ca](mailto:energy@gov.yk.ca).