

Appendix II:

Energy and Carbon Reduction Grant Program Detail



Stream 1

Stream One: This Stream may be provided to eligible applicants for a total of 50% of eligible costs to a maximum of \$10,000.00

Eligible Cost	Eligibility / Verification Criteria
<p>Building energy and efficiency audits, recommissioning and energy retrofit feasibility studies.</p>	<p>Copy of paid invoice AND,</p> <ul style="list-style-type: none"> (1) Level II ASHRAE Energy Audit-clearly stating these guidelines were followed, including the following: <ul style="list-style-type: none"> a. Inclusion of low cost/no cost measures, modifications to system controls and building automation, operational changes and potential capital upgrades. These energy conservation measures should include the general expenses and overall performance metrics (energy, greenhouse gas and cost savings), and means (i.e. funding opportunities) for the Owner to evaluate the energy conservation measures; Or, (2) Final recommissioning report that outlines recommendations, business case and estimated energy savings, stamped by a Professional Engineer or Certified Energy Professional (through CIET). The Town highly recommends that the recommissioning process follows Natural Resource Canada's "Guide on Recommissioning for Building Owners and Managers"; Or, (3) Energy Retrofit and Renewable Energy feasibility report that clearly states and demonstrates a minimum of 25% energy savings and a minimum carbon reduction of 30%, stamped by a Professional Engineer. A cover letter must also be provided by a Professional Engineer or a certified energy professional (through CIET) certifying that the energy retrofit project is feasible. <p>*For renewable energy feasibility studies, the project must display a carbon reduction of 30% only.</p>
<p>Basic building controls, including smart thermostat, roof top unit (RTU) controls, demand control ventilation, or other smart controls as approved by the Town, that result in energy savings.</p>	<p>Copy of paid invoice AND,</p> <ul style="list-style-type: none"> (1) Proof and description of the controls installed and how they will save energy, including a photograph of the installed system.
<p>Building envelope improvements, including windows and insulation, for facilities smaller than 15,000 square feet.</p>	<p>Copy of the paid invoice AND,</p> <ul style="list-style-type: none"> (1) Invoice must include reference to ENERGY STAR windows and/or baseline insulation levels and confirmation of the new insulation levels; (2) Proof that windows are ENERGY STAR certified with photos of the window installed displaying the ENERGY STAR sticker; Or, (3) Photographs of the current insulation levels displaying the measurement of the insulation levels and post retrofit insulation levels showing the additional insulation added (i.e. R10-R34). If measurement isn't possible, contractor shall provide proof, as acceptable by the Town of the updated insulation levels.
<p>Installation of an energy recovery ventilator (ERV), or heat recovery ventilator (HRV), or drain water</p>	<p>Copy of paid invoice detailing supply and installation AND,</p> <ul style="list-style-type: none"> (1) Proof that the HRV/ERV has ENERGY STAR certification; Or,

Stream One: This Stream may be provided to eligible applicants for a total of 50% of eligible costs to a maximum of \$10,000.00

Eligible Cost	Eligibility / Verification Criteria
heat recovery, where this technology did not previously exist or is improving in effectiveness in replacement of an existing system.	<ul style="list-style-type: none"> (2) Proof that the Drain Water Heat Recovery Ventilator is found in Natural Resources Canada's product database; AND, (3) Photograph of the installed equipment; (4) Letter from a Certified Plumber or Certified Energy Professional (through CIET) that the equipment has been installed, that states the existing system effectiveness (if applicable), and the effectiveness of the installed system.
Installation of publically accessible Level II electric vehicle charging station(s).	Copy of the paid invoice AND, <ul style="list-style-type: none"> (1) ESA Certification; (2) Photo of the installed charging station.

Stream 2

Stream Two: This Stream may be provided to eligible applicants for a total of 50% of eligible costs, to a maximum of \$25,000.00.

Eligible Cost	Eligibility / Verification Criteria
Replacing existing heating systems and air conditioners with a more efficient condensing boiler or condensing furnace, and air conditioners Note: this measure does not apply for transitioning electricity systems to natural gas.	Copy of the paid invoice AND, <ul style="list-style-type: none"> (1) Proof that the condensing boiler or condensing furnace has a minimum efficiency rating of 90%, boiler make(s), model(s), and boiler input ratings(s) (MBH); Or, (2) Proof that the air conditioner has a minimum of an 18 SEER Rating AC and is equipped with demand or other smart controls.
Major works associated with HVAC system upgrades or retrofits that results in a switch from a carbon-based fuel system to an electricity-based system (such as heat pumps).	Copy of the paid invoice AND, <ul style="list-style-type: none"> (1) Certified letter from a Professional Engineer or Certified Energy Professional (through CIET) outlining the works completed, fuel source, and an outline of the estimated energy and emissions savings OR an energy feasibility study report that meets the requirements from Stream 1.
Building automation system and controls and energy management information systems.	Copy of the paid invoice AND, <ul style="list-style-type: none"> (1) Certified letter from a Professional Engineer, or Certified Energy Professional (through CIET) outlining the works completed, and an outline of the estimated energy and emissions savings OR an energy audit report that meets the requirements from Stream 1.
Building envelope improvements for facilities larger than 15,000 square feet.	Copy of the paid invoice AND, <ul style="list-style-type: none"> (1) Invoice must include reference to ENERGY STAR windows and/or baseline insulation levels and confirmation of the new insulation levels; AND,

Stream Two: This Stream may be provided to eligible applicants for a total of 50% of eligible costs, to a maximum of \$25,000.00.

Eligible Cost	Eligibility / Verification Criteria
	<p>(2) Proof that windows are ENERGY STAR certified with photos of the window installed displaying the ENERGY STAR sticker; Or,</p> <p>(3) Photographs of the current insulation levels with a measurement and retrofit post insulation picture of the additional insulation added (i.e., R10-R34). If measurement isn't possible, contractor shall provide proof, as acceptable by the Town of the updated insulation levels.</p> <ul style="list-style-type: none"> o A certified letter from a Professional Engineer or Certified Energy Professional (through CIET) outlining the works completed, and an outline of the estimated energy and emissions savings OR an energy audit report (that meets the requirements from Stream 1) that details the energy conservation measure.

Stream 3

Stream Three: This Stream may be provided to eligible applicants for a total of 50% of eligible costs, to a maximum of \$40,000.00

Eligible Cost	Eligibility / Verification Criteria
Eco-roofs, including green roofs, cool roofs, and blue roof systems, as well as any required structural analysis.	<p>Copy of the paid invoice AND,</p> <p>(1) Photo of the installed roof.</p> <p>(2) Proof that the cool/white roof has an SRI of >82 (low slope) or SRI >39 (steep slope).</p> <p>(3) Any drawings detailing the landscape plan for a green roof.</p>
Installation of ground or air source heat pumps.	<p>Copy of the paid invoice AND,</p> <p>(1) Photo of the installed heat pump system;</p> <p>(2) Proof that the air source heat pump system is ENERGY STAR rated; Or,</p> <p>(3) For ground source only: Certified letter from a Professional Engineer or Certified Energy Professional (through CIET) or otherwise approved by the Town, outlining the works completed, fuel source, and an outline of the estimated energy and emissions savings OR an energy retrofit feasibility report that meets the requirements outlined in Stream 1.</p>
Industrial waste heat recovery that reduces the buildings energy	<p>Copy of the paid invoice AND,</p>

Stream Three: This Stream may be provided to eligible applicants for a total of 50% of eligible costs, to a maximum of \$40,000.00

Eligible Cost	Eligibility / Verification Criteria
(fossil-fueled source) thermal consumption by 20%.	<p>(1) Certified letter from a Professional Engineer outlining the installed system and estimated energy and emissions savings and confirm that the system meets the minimum requirements of the grant OR an energy retrofit feasibility report that meets the requirements as outlined in Stream 1.</p>
Installation of renewable energy systems (including solar thermal and solar photovoltaic systems).	<p>Copy of the paid invoice AND,</p> <p>(1) Photo of the installed system.</p> <p>(2) Certified letter from a Professional Engineer outlining the size, and estimated energy produced/savings from the renewable energy system or an energy retrofit/renewable energy feasibility report that meets the requirements as outlined in Stream 1.</p>
Installation of publically accessible Level III electric vehicle charging station(s).	<p>Copy of the paid invoice AND,</p> <p>(1) Confirmation of electrical capacity or notification to Hydro One.</p> <p>(2) ESA Certification.</p> <p>(3) Photo of the installed charging station.</p>
Improvements to industrial process (excluding lighting and HVAC systems) that result in significant energy efficiencies and that do not utilize carbon-based fuels as an energy source.	<p>Copy of the paid invoice AND,</p> <p>(1) Certified letter from a Professional Engineer or Certified Energy Professional (through CIET) outlining the works completed (including details of the base case equipment to prove an improvement in efficiency), and an outline of the estimated energy and emissions savings OR an energy audit report or retrofit feasibility study (that meets the requirements outlined in Stream 1) that details the energy conservation measure.</p>