



OVERVIEW OF NRCAN PROGRAMS AVAILABLE TO MUNICIPALITIES
FOR PROGRAM INFORMATION - SEE LINKS UNDER CONTACT

Focus of Program	Summary	Financial Assistance, Tools, Training	Contact
EXISTING BUILDINGS			
Financial – ecoENERGY Retrofit Incentive for Buildings	Owners of small buildings (< 20000 m ²) are eligible for an incentive of \$10 per gigajoule of estimated energy savings or 25 percent of eligible project costs. When applying, you need to provide a pre-project energy audit of your buildings and not have incurred any costs related to the project. Energy retrofits and energy-saving practices in your existing municipal buildings can save 20 percent on average.	Financial Incentive Program http://oee.nrcan.gc.ca/commercial/financial-assistance/existing/retrofits/index.cfm	Office of Energy Efficiency Info-Service Line 1-877-360-5500 http://oee.nrcan.gc.ca/
Financial – ecoENERGY Retrofit Incentive for Homes	A municipality can apply to upgrade municipal housing stock such as low-income units to a maximum of \$5,000 per unit.	Financial Incentive Program http://www.ecoaction.gc.ca/ecoenergy-ecoenergie/retrofit-homes-renovation-maisons-eng.cfm	Office of Energy Efficiency Info-Service Line 1-877-360-5500 http://oee.nrcan.gc.ca/
Financial - ecoENERGY for Renewable Heat	This program provides an incentive of 25 percent of the purchase, installation and certain other costs of qualifying solar heating systems. Municipalities can use the power of the sun to heat buildings and water, not only lowering costs, but also reducing the amount of harmful emissions produced.	Financial Incentive Program http://www.ecoaction.gc.ca/ecoenergy-ecoenergie/heat-chauffage/index-eng.cfm	Electricity Resources Branch Info-Service Line 1-877-360-5500 http://ecoACTION.gc.ca
Financial - ecoENERGY for Renewable Power	Municipalities are eligible for an incentive of one cent per kilowatt-hour for up to 10 years for eligible low-impact, renewable electricity projects constructed before March 31, 2011.	Financial Incentive Program: http://www.ecoaction.gc.ca/ecoenergy-ecoenergie/power-electricite/index-eng.cfm	Electricity Resources Branch Info-Service Line 1-877-360-5500 http://ecoACTION.gc.ca




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<p>Tools & Software for Existing Buildings</p>	<ul style="list-style-type: none"> • Since a gigajoule can provide a single number to represent all your energy sources, these measurements are useful if you want to establish a baseline or compare your facility with others. • An Energy Management Plan can summarize current energy use and planned energy savings • Before you decide to go forward with an energy investment or retrofit, you will want to know the “payback,” or how many years it will take a measure to pay for itself. Another link will show you simple calculations of how much you could save by using more efficient equipment. • It is important to make sure all your building systems are working together. These technical fact sheets can help you. • This guide provides ideas on how to promote energy efficiency plans and savings in your organization. <p>http://oee.nrcan.gc.ca/commercial/technical-info/tools/</p> <ul style="list-style-type: none"> • RETScreen - This free software evaluates energy production, life-cycle costs and reductions in greenhouse gas emissions for various renewable energy technologies (RETs). It also includes product, cost and weather data, as well as a detailed online user manual. • 	<p>Gigajoule and Energy Intensity Calculator</p> <p>Energy Management Plans</p> <p>Simple Payback Calculator</p> <p>Energy Efficient Equipment</p> <p>Recommissioning – Optimising Building Operations</p> <p>Recommissioning – Mechanical and Electrical System Optimisation </p> <p>RETScreen International Clean Energy Project Analysis Software </p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca/</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca/</p>
<p>Energy Saving Workshops</p>	<p>Since 1998, NRCan has provided a series of four Dollars to \$ense Energy Management workshops. 15,000 participants have enrolled, saving over \$180 million in energy costs with estimated energy savings of over 13,000 terajoules.</p> <p><u>Workshops include:</u></p> <ul style="list-style-type: none"> . Energy Master Plan . Spot the Energy Savings Opportunities . Energy Monitoring . Energy Efficiency Financing <p>Customized workshops are also available for municipalities. Just contact Dollars to \$ense.</p>	<p>http://oee.nrcan.gc.ca/industrial/training-awareness/index.cfm?attr=20</p> <p><u>Customized Municipal Workshops:</u></p> <ul style="list-style-type: none"> . Energy 101: Opportunities & Insights for Municipalities . Municipal Energy Management: How to Make it Work for You 	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca/</p>

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NEW BUILDINGS			
<p>Technical Assistance and Training</p> <p>ecoENERGY for New Buildings</p>	<p>Natural Resources Canada provides free software tools to help you validate the design of your new building or addition that is at least 25% better than the current Model National Energy Code for Buildings. Essential tools and training for staff of municipal buildings, health care facilities, colleges, universities, etc. will help you maximize potential savings in your energy efficiency projects.</p>	<p><u>Program:</u></p> <ul style="list-style-type: none"> . Validation of new buildings design http://oee.nrcan.gc.ca/commercial/newbuildings/validation.cfm?attr=20 <p><u>Training:</u></p> <p>Simulation software and energy efficiency design practices (EE4 version 1.7) http://oee.nrcan.gc.ca/commercial/technical-info/tools/software-new.cfm?attr=20</p> <p><u>Workshops:</u></p> <ul style="list-style-type: none"> . Municipal Energy Management (see Dollars to \$ense Workshops) . Commissioning and re-commissioning <p><u>Energy rating and labelling system</u> for new and existing buildings http://oee.nrcan.gc.ca/commercial/regulations-standards/labelling.cfm?attr=20</p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca/</p>

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<p>Tools & Software for New Buildings</p>	<p>Several free software tools from Natural Resources Canada can help you determine your building or arena's energy performance. Training and workshops are available for some of these tools.</p>	<p>EE Wizard  simulates the energy performance for arenas and supermarkets compared to a reference design built to the requirements of the Model National Energy Code for Buildings.</p> <p>EE4  software simulates the energy performance of new building design compared to a reference design built to the requirements of the Model National Energy Code for Buildings (MNECB)</p> <p>ENERGY STAR® Simple Savings Calculator compares the energy use of energy-efficient office equipment, lighting, electronics, etc. with standard equipment and other measures.</p> <p>Gigajoule and Energy Intensity Calculator calculates the energy intensity of your building</p> <p>Simple Payback Calculator (Lighting) – Estimates return on lighting investments</p> <p>RETScreen - If you are utilizing renewable energy in your building, you can also use RETScreen International Clean Energy Project Analysis Software . This optional tool evaluates energy production, life-cycle costs and reductions in greenhouse gas emissions for various renewable energy technologies (RETs). This free software also includes product, cost and weather data, as well as a detailed online user manual.</p>	<p>Office of Energy Efficiency</p> <p>http://oee.nrcan.gc.ca/commercial/technical-info/tools/</p> <p>1-877-360-5500</p> <p>Retscreen: CANMET Energy Technology Centre</p>
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Communities			
<p>Communities –</p> <p>Community Energy Planning</p>	<p>Municipalities have access to <i>The Community Energy Planning Guide</i>, a step by step procedure to developing a long-term plan for the community, who to involve, what to do, what to ask and what to expect.</p> <p>It includes an outline of energy efficiency programs and other activities that can be undertaken within the community. It also contains case studies of initiatives that have been undertaken throughout Canada and the world.</p>	<p>Community Energy Planning Guide</p>	<p>http://www.nrcan-nrcan.gc.ca/com/index-eng.php</p>
Forest Communities			
<p>Forest Communities Program</p>	<p>The program, from Canadian Forest Services, is providing 5-year funding to 11 forest-based communities to:</p> <ul style="list-style-type: none"> • Develop new forest-based economic opportunities through collaboration with industry and other community stakeholders • Facilitate capacity-building and engagement of communities to meet sector transition issues • Promote and share integrated, multi-sectoral approaches to forest-land management <p>Share best practices and information tools with forest communities across Canada and internationally</p>	<p><u>Information, Best Practices</u></p> <p>Website: Forest Communities Program</p>	<p>(613) 995-0947 http://cfs.nrcan.gc.ca/index/fcpgm</p>
<p>First Nations Forestry Program</p>	<p>Canadian Forest Services is providing funding annually to over 100 First Nations communities to help build their forest management capacities. Projects can include training, business development and all aspects of sustainable forest management.</p>	<p><u>Training, Business Development, Sustainable Forest Management</u></p> <p>Website: First Nations Forestry Program</p>	<p>(613) 995-0947 http://cfs.nrcan.gc.ca/index/fcpgm</p>

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Transportation			
<p>Fleet Operations - ecoENERGY for Fleets (FleetSmart)</p>	<p>FleetSmart offers free practical advice on how energy-efficient vehicles and business practices can reduce fleet operating costs, improve productivity and increase your competitiveness.</p>	<ul style="list-style-type: none"> . Smart Driver Training: . Alternative Fuels . Fuel Management Workshop: workshop . Fuel Calculator: calculator <p>Website: FleetSmart</p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>
<p>Fleet Idling -</p>	<p>Natural Resources Canada offers free practical advice on how better practices can reduce fleet operating costs, improve productivity and increase your competitiveness.</p>	<p><u>Programs:</u></p> <ul style="list-style-type: none"> . Idle-Free quiet Zone for commercial vehicles . Idling reduction Toolkit . Idling gets you nowhere <p>Website: ldling</p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>


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Programs For Municipal Residents			
<p>Energy Efficient Equipment</p>	<p>Municipalities can provide information to residents on how to save money through energy efficient equipment and practices.</p>	<p>.Standards and Regulations .Equipment and Technical Information .Tips and Tools on choosing and maintaining energy efficient equipment .Savings Calculators http://oee.nrcan.gc.ca/commercial/index.cfm?attr=0</p>	<p>Office of Energy Efficiency Info-Service Line 1-877-360-5500 http://oee.nrcan.gc.ca</p>
<p>Energy Efficient Rating & Labelling – EnerGuide for Equipment</p>	<p>Municipalities can provide information to residents on how to save money through energy efficient equipment and practices. EnerGuide for Equipment rates and labels the energy efficiency of major household electrical appliances and heating, ventilating and air-conditioning (HVAC) equipment. The EnerGuide label shows how much energy major appliances use so you can easily compare models of the same size and class.</p>	<p>.Tips on choosing and maintaining energy efficient equipment .Qs&As .Interactive Energy Cost Calculators .Grants and Incentives http://oee.nrcan.gc.ca/residential/personal/index.cfm?attr=0</p>	<p>Office of Energy Efficiency Info-Service Line 1-877-360-5500 http://oee.nrcan.gc.ca</p>
<p>Energy Efficient Products - ENERGY STAR® symbol</p>	<p>Municipal procurement officials can promote ENERGY STAR and include high energy-performance specifications in their purchasing plans or policies. Organizations may save between 30 and 65 percent of energy and maintenance costs, when compared to comparable, non-qualified products</p>	<p><u>Tools & Publications:</u> . Procurement Tool Kit . Simple Savings Calculators . ENERGY STAR Purchasing Guide . Guide to an Energy-Smart Office . ENERGY STAR Website</p>	<p>Office of Energy Efficiency Info-Service Line 1-877-360-5500 http://oee.nrcan.gc.ca</p>

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Title of Program	Summary	Tools/Training	Responsibility
<p>Vehicles - ecoENERGY for Personal Vehicles</p>	<p>Municipalities can provide information to residents on how to save money through better choices and driving practices.</p> <p>This program provides Canadian motorists with helpful tips on buying, driving and maintaining their vehicles to reduce fuel consumption and greenhouse gas emissions that contribute to climate change.</p>	<p><u>Driver Training and Education</u> Auto\$mart Driver Education Kit Auto\$mart Registration Auto\$mart Acknowledgements Auto\$mart Thinking – Fuel-Efficient Driving Tips Others</p> <p>http://oee.nrcan.gc.ca/transportation/business/driver-educators.cfm?attr=8</p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>

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Tools and Assistance For Technicians (Engineers, Architects, Planners, etc.)			
Building Design and Performance	<p>Municipal planners can request that the latest software be utilized to ensure the most energy efficient building design for the construction of commercial, institutional and multi-unit residential (MURBs) buildings. NRCan works closely with the building sector with respect to innovative energy technologies and to support programs and codes.</p>	<p>EE4 is recognized by the Canada Green Building Council for LEED® Canada . It is currently being modified for use with the Ontario Building Code.</p>	<p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>
Housing Design and Performance	<p>Municipal planners can encourage developers to build energy efficient buildings. Building energy simulation software is available for use by architects and engineers to optimize the energy performance of building designs and to demonstrate compliance with the Model National Energy Code and Natural Resources Canada programs such as R-2000 and ecoENERGY.</p>	<p>GS2000™ is a software program, for the sizing of ground heat exchangers for ground-source heat pumps (earth energy systems, geothermal heat pumps, Geoexchange).</p> <p>FRAME™plus Online is ideal for specifying windows for new and retrofit building designs. The online software is used to assess the thermal performance of window and curtain wall assembly or product.</p> <p>HOT2000™ is a low-rise residential energy analysis and design software. It is used to demonstrate compliance with NRCan's R-2000 and ecoENERGY programs.</p>	<p>http://canmetenergy-canmetenergie.nrcan-rncan.gc.ca/eng/software_tools/g2000.html</p> <p>http://canmetenergy-canmetenergie.nrcan-rncan.gc.ca/eng/software_tools/frameplus.html</p> <p>http://canmetenergy-canmetenergie.nrcan-rncan.gc.ca/eng/software_tools/hot2000.html</p>

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Programs for Industry			
<p>Financial - Industry</p> <p>ecoENERGY Retrofit Incentive for Industry</p>	<p>Municipalities can provide information on this NRCan program designed to help industrial facilities overcome financial barriers to improving the energy efficiency of their operations.</p> <p>NRCan will provide a financial incentive of up to 25 percent of project costs to a maximum of \$50,000 per application and \$250,000 per corporate entity to help small- and medium-sized industrial facilities implement energy-saving projects.</p>	<p>Incentive Program http://oee.nrcan.gc.ca/industrial/financial-assistance/retrofit/index.cfm?attr=20</p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>
<p>Financial - Industry</p> <p>ecoEnergy Assessment Incentive for Industry</p>	<p>Municipalities can encourage local industry to investigate NRCan's financial incentive to help industrial companies conduct process integration studies that identify opportunities for increasing energy efficiency and improving production processes.</p>	<p>Incentive Program http://oee.nrcan.gc.ca/industrial/financial-assistance/assessment/index.cfm?attr=20</p>	<p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>
<p>Financial - Industry</p> <p>ecoENERGY for Biofuels</p>	<p>ecoENERGY for Biofuels program provides an operating incentive to facilities that produce renewable alternatives to gasoline and diesel in Canada.</p>	<p>Incentive Program http://oee.nrcan.gc.ca/transportation/ecoenergy-biofuels/index.cfm?attr=16</p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>
<p>Energy Saving Workshops</p>	<p>Since 1998, NRCan has provided a series of four Dollars to \$ense Energy Management workshops. 15,000 participants have enrolled, saving over \$180 million in energy costs with estimated energy savings of over 13,000 terajoules. <u>Workshops include:</u></p> <ul style="list-style-type: none"> . Energy Master Plan . Spot the Energy Savings Opportunities . Energy Monitoring . Energy Efficiency Financing 	<p>http://oee.nrcan.gc.ca/industrial/training-awareness/index.cfm?attr=20</p>	<p>Office of Energy Efficiency</p> <p>Info-Service Line 1-877-360-5500</p> <p>http://oee.nrcan.gc.ca</p>

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<p>Tools</p>	<ul style="list-style-type: none"> • An Employee Awareness Program (EAP) is a crucial part of a successful energy management program. The toolkit includes a <u>guidebook</u> to assist you in getting started and several off-the-shelf tools to help you get the employees on board. These tools include <u>posters</u>, <u>fact sheets</u>, <u>stickers</u>, <u>slide presentations</u> • <u>The Boiler Efficiency Calculator</u> helps managers quickly analyze the efficiency of boiler operations associated with heating and steam plants fired by natural gas and fuel oil. 	<p><i><u>A Guide to Implementing an Energy Efficiency Awareness Program.</u></i></p> <p><u>http://oee.nrcan.gc.ca/industrial/training-awareness/employees/index.cfm?attr</u></p> <p><u>http://oee.nrcan.gc.ca/industrial/technical-info/tools/boilers/index.cfm?attr=20</u></p>	<p><u>Info-Service Line</u> 1-877-360-5500</p> <p><u>http://oee.nrcan.gc.ca</u></p>
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