

## Parkland Airshed Monitoring Zone

# Available Funding Incentives and Resources

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### Action H.E.R.O. Challenge

Action for a Healthy Environment by Reducing Ozone

1/31/2011

The following resources are not specifically for ozone reduction but provide the available parameters for projects that can lead to ozone reduction as either the focus or as one of the outcomes.

# Municipalities

## Green Municipal Fund

**Responsible Organization and Website:** Federation of Canadian Municipalities

**Details:** The Federation of Canadian Municipalities' (FCM) Green Municipal Fund (GMF) provides loans and grants, builds capacity and shares knowledge to support municipal governments and their partners in developing communities that are more environmentally, socially and economically sustainable. To ensure the greatest possible impact, FCM uses the GMF to invest in plans, studies and projects that provide the best examples of municipal leadership in sustainable development that can be replicated in other communities.

**Eligible Recipients:** Municipal Governments, Others

**Overall Fund Size:** \$550 million

**Fund Duration:** On-going

**Target Technology Area(s):** Air, water or soil quality; climate or renewable resource protection through buildings, renewable energy, landfill gas, and community energy systems; potable water treatment, distribution and conservation, waste water and stormwater; waste diversion; public transit, municipal fleets, integrated and alternate transportation systems, and transportation demand management; and plans for community energy, greenhouse gas reduction, sustainable community development and brownfield redevelopment.

**Eligible Activities:** Supports projects that include an element of technology prototype/demonstration and pre-commercialization.

**Funding Limits:** Grants cover up to 50 per cent of eligible project costs, to a maximum of \$350,000.

## TD Green Streets

**Website:** [Treecanada.ca](http://Treecanada.ca)

**Details:** **TD Green Streets** is the flagship program of Tree Canada. The goal of TD Green Streets is to encourage and support the adoption of leading-edge practices in municipal forestry including:

- Innovative urban forest planning
- Single tree and forest stand innovation demonstration projects
- Policy and best management practices workshops
- Outreach and educational activities on innovative practices including arboricultural practices
- Innovative management tools to protect and maintain the urban forest
- Innovative urban design which showcases "green infrastructure"
- Innovative planting techniques

**Applications:** Funding applications for the 2011 round of Green Streets program are closed.

**Funding cycle:** Applications received in December. Announcements of winners in April.

## Moving On Sustainable Transportation Program (MOST)

**Website:** ecoMOBILITY – Transport Canada e-mail: [MOST-SRTD@tc.gc.ca](mailto:MOST-SRTD@tc.gc.ca)

**Details:** Projects are to promote sustainable transportation in Canada. There are five project proposal categories.

**Category 1** - Conduct studies, analyses or plans that make strategic recommendations on sustainable transportation issues and initiatives. *An example of a project in this category could be a study to analyze the current state of transportation within a specific community.*

**Category 2** - Develop innovative sustainable transportation. *An example of a project in this category would be to produce a map that provides cyclists and pedestrians with appropriate routes.*

**Category 3** - Undertake small scale pilot projects or demonstration projects that test new sustainable transportation approaches or alternatives. *An example of a project in this category could be to develop a program to offer the public the use of free bicycles for commuting within the city core.*

**Category 4** - Replicate successful sustainable transportation initiatives in additional communities and customize project materials to the new location. *An example of a project in this category would remount a project that has already been successfully piloted in a different jurisdiction.*

**Category 5** - Conduct workshops and conferences that educate stakeholders (professionals employed in the field or managers and staff of transportation projects) on sustainable transportation. *An example of a project in this category could be a series of workshops or conferences showcasing contributions to sustainable transportation.*

## Canada Strategic Infrastructure Fund

**Responsible Organization and Website:** Infrastructure Canada

**Details:** Through the \$5.2 billion Canada Strategic Infrastructure Fund (CSIF), the Government of Canada supports large-scale national and regional infrastructure projects aimed at:

- providing safer and faster movement of people and goods on Canada's major land transportation routes
- **reducing production of greenhouse gases and airborne pollutants**
- increasing the effectiveness of urban development
- promoting economic activity, including tourism

CSIF also promotes the use of innovative technologies and practices to minimize greenhouse gas emissions.

**Eligible Recipients:** Provincial/Territorial Governments  
Municipal Governments  
Not-For-Profit Organizations  
Private Companies or Individuals

**Overall Fund Size:** \$5.2 billion

**Fund Duration:** 2001 through March 31, 2013

**Application Cycle:** Open, however, the fund share of most jurisdictions has now been allocated to eligible projects.

# Individuals/ Community

## ecoENERGY for Personal Vehicles

**Website:** Natural Resources Canada [www.nrcan.gc.ca](http://www.nrcan.gc.ca)

**Details:** This program offers easy access to information, including fuel consumption guides and other tools, to help Canadians choose the cleanest, most efficient car or truck for their particular needs.

## Tax credit for Public Transit Passes

**Website:** Canada Revenue Agency [www.cra.gc.ca](http://www.cra.gc.ca) or go to [www.transitpass.ca](http://www.transitpass.ca).

**Details:** Increasing use of public transit will help reduce traffic congestion and air pollution in our cities. Since July 1, 2006 the Government of Canada is encouraging Canadians to use public transit with a tax credit to help cover the cost of public transit. The tax credit is applicable for buses, streetcars, subways, commuter trains and local ferries.

If you regularly take the bus, subway, commuter rail or ferry, you can get a tax break equal to 15.25 per cent of the cost of a monthly transit pass just by saving your expired passes. The credit will also apply to certain weekly passes and electronic fare card purchases.

## Energy-Efficient Housing Made More Affordable with Mortgage Loan Insurance

**Website:** Canada Mortgage and Housing Corporation - CMHC Green home

CMHC has added environmentally friendly features to the Mortgage Loan Insurance it offers. If you use CMHC insured financing to buy an energy-efficient home, purchase a house and make energy-saving renovations or renovate your existing home to make it more energy-efficient, a 10 per cent refund on the Mortgage Loan Insurance premium may be available. You could also have the added flexibility of an extended amortization (up to a maximum of 35 years) without a premium surcharge.

## EcoAction Community Funding Program - Environment Canada

**Website:** Environment Canada [www.ec.gc.ca](http://www.ec.gc.ca)

**Details:** The EcoAction Community Funding Program provides financial support to community groups for projects that have measurable, positive impacts on the environment. Funded projects promote the participation of local communities to address clean air, climate change, clean water and nature to protect, rehabilitate or enhance the natural environment. The program also supports projects that build the capacity of communities to increase knowledge and skills as well as change attitudes and behaviours so that these activities may be sustained in the future.

### Who can apply?

- Non-profit non-government groups and organizations and community groups
- Environmental groups
- Aboriginal groups and First Nation Councils
- Service clubs
- Associations
- Youth and seniors organizations

**Geographic location:** Projects may be located anywhere in Canada.

**Range of funding available:** A maximum of \$100,000 per project is available. Project duration is up to three years.

**Funding deadline:** November 1 each year.

## International Environmental Youth Corps (IEYC)

**Program website:** Environment Canada [International Environmental Youth Corps](#)

**Details:** The International Environmental Youth Corps (IEYC) is a key component of the federal government Youth Employment Strategy (YES). The purpose of the program is to provide graduates with internships from six to 12 months within the environmental sector. The program helps students get the work experience, knowledge, skills, and information they need to prepare for and participate in the world of work. Within this program graduates are exposed to valuable work experience and projects within Canada, but also have the possibility of international internships, in order to face the demands of the competitive, ever-changing environmental industry. The IEYC program also provides financial support to employers.

The program is managed by Environment Canada but delivered by the Environmental Careers Organization Canada.

### Who can apply?

- Universities
- Non-governmental organizations
- Private businesses
- Students

**Geographic location:** Canada-wide

**Range of funding available:** A maximum of \$8,000 per year.

**Funding deadlines:** Visit the website for deadlines and eligibility requirements

## Science Horizons Youth Internship Program

**Program website:** Environment Canada [Science Horizons Youth Internship Program](#)

**Details:** Environment Canada's Science Horizons Youth Program is a collaborative effort with Canadian universities, the private sector and other non-government organizations which offer promising young scientists and post-secondary graduates hands-on experience working on environmental projects under the mentorship and coaching of experienced scientists and program managers.

### Who can apply?

- Not-for-profit organizations such as charitable and volunteer organizations, professional associations and non-government organizations (NGOs)
- Aboriginal organizations or associations
- Post-secondary educational institutions
- Local organizations such as community associations and groups, seniors' and youth groups, and service clubs
- For-profit organizations such as small businesses, companies, corporations and industry associations
- Municipal/local governments and provincial/territorial agencies if specified in a federal-provincial/territorial agreement or Memorandum of Understanding, or specified by the Minister of the Environment.

**Geographic location:** Canada-wide

**Range of funding available:** A maximum of \$12,000 per year.

**Funding deadlines:** For more information on funding deadlines please contact the program.

## Environmental Damages Fund

**Website:** Environment Canada **Program website:** [Environmental Damages Fund](#)

**Details:** The Environmental Damages Fund (EDF) is a specified purpose account, administered by Environment Canada on behalf of the Government of Canada, to manage funds received as compensation for environmental damage. These funds may come from court orders, awards, out-of-court settlements and voluntary awards. They primarily support the restoration of natural resources and environment, and wildlife conservation projects in the same geographic area where the damage originally occurred. The EDF also supports research and development on environmental damage assessment and restoration, and education on pollution prevention and the restoration of natural resources.

### Who can apply?

- Non-government organizations
- Community-based environmental groups
- Aboriginal communities and organizations
- Universities
- Provincial, territorial and municipal governments

**Geographic location:** Funding is available to applicants within Canada. It can be subject to either court or general use restrictions. Available funds are organized by province and territory. Find out about available funds in your region.

**Range of funding available:** Variable, since it is based on court awards and contributions to the EDF.

**Funding deadlines:** Environment Canada actively seeks project proposals from eligible groups.

## Friends of the Environment Foundation

**Website:** TD Friends of the Environment Foundation

**Details:** Friends of the Environment Foundation (TD FEF) is a national organization, formed by TD Bank Financial Group, with a grassroots focus that funds local projects dedicated to preserving the environment.

**Who can apply?** Not-for-profit groups, municipalities, schools, aboriginal groups

**Projects:** The foundation supports a wide range of environmental initiatives. Primarily, these are projects that focus on:

- Protecting and preserving the Canadian environment
- Assisting young Canadians in understanding and participating in environmental activities
- Supporting urban renewal such as environmental projects to rejuvenate smaller or at-risk neighbourhoods and "main streets"
- Enhancing cooperation among environmental organizations

**Projects include but are not limited to:**

- Wildlife rehabilitation
- Education programs for children
- Environmental cleanups
- Tree planting campaigns
- Conservation and recycling initiatives
- Urban renewal

## Retire Your Ride

**Website:** Climate Change Central

**Details:** An initiative of the Government of Canada, Summerhill Impact and its partners, designed to enable people to get their high-polluting cars off the road and reward them for doing so. The program is committed to improving air quality by responsibly recycling vehicles and aims to retire at least 50,000 vehicles per year until **March 31, 2011**. If you have a car that needs retiring, we'll recycle its parts in an environmentally responsible way and reward you for it.

**Who Can Participate?** Eligible participants must be owners of 1995 or older model year vehicles that are in running condition and have been registered and insured **in their names** in Canada for the previous consecutive six months. Rewards range from \$300 cash to \$490 discount on a bicycle to up to \$3000 credit for a new vehicle at GMC or Ford

## ENMAX residential renewable energy project

**Website:** Climate Change Central

**Details:** Launching in spring 2011, ENMAX Energy is giving Albertans an easy way to generate their own solar power at home. You don't need to be a current ENMAX customer or change your energy provider. ENMAX Energy will be responsible for all material, installation and equipment costs as well as the maintenance and warranty coverage. A similar system would cost around \$10,000 to purchase outright, but you can use a system from ENMAX for up to \$1500 initially, with a monthly user fee of \$30 and a monthly admin fee of \$10.

## My Rebates

**Website:** Climate Change Central [myrebates@climatechangecentral.com](mailto:myrebates@climatechangecentral.com)

**Details:** Rebates for individuals on energy saving purchases provided through provincial and municipal programs.

### Furnace / Boiler

All Albertans who purchase and install a qualifying replacement furnace/boiler on or after January 1, 2009 are eligible for one of the following rebates:

- \$400 for an ENERGY STAR® qualified furnace with an annual fuel utilization efficiency (AFUE) of 92% or better
- \$500 for an ENERGY STAR qualified furnace with an AFUE of 92% or better and a DC variable-speed motor
- \$600 for an ENERGY STAR qualified oil boiler with an AFUE of 85% or better
- \$600 for an ENERGY STAR qualified condensing gas boiler with an AFUE of 90% or better
- In the case of mobile homes only, where a zero-clearance furnace is being replaced, \$400 for an ENERGY STAR qualified gas furnace with an AFUE of 90% or better

### New Home

All Albertans who take possession of a new EnerGuide labelled single-family or multi-family row home (excluding stacked multi-family construction) on or after January 1, 2009 are eligible for one of the following rebates:

- \$1500 for new homes receiving an EnerGuide rating of 80 or 81
- \$3,000 for new homes receiving an EnerGuide rating of 82 to 85
- \$10,000 for new homes that meet or exceed EnerGuide 86

### Website: Alberta Ecotrust Foundation

**Details:** The Alberta Ecotrust Foundation is an environmental grantmaking foundation created through the cooperative efforts of a number of founding corporations and environmental, non-governmental organizations.

**Who can apply?** Non-profit community and environmental groups

**Grant programs:** Alberta Ecotrust will favour those projects and policy initiatives that address clean air, which often have a co-benefit of reducing greenhouse gas emissions. For example, introducing a city-wide initiative to promote walking, biking and busing rather than driving helps to reduce particulate matter, nitrogen oxides and volatile organic compounds (smog precursors) and will also reduce greenhouse gases. The following grant programs are available.

#### Community Grants Program

Community grants support community-based projects that typically focus on local opportunities for change through stewardship and action. These projects must be completed in one year. Maximum grant amount is \$7,500.

#### Major Projects Grants Program

Major projects grants support more comprehensive projects that have the potential to result in substantial environmental benefit. The application process is more comprehensive and will be undertaken in two parts. These projects must be completed within a year. Maximum grant is \$30,000.

#### Multi-Year Grants Program - Not Available in 2009

Multi-year grants support more comprehensive projects with distinct phases conducted over a longer period of time. This new initiative will help groups improve their organizational effectiveness and be more strategic in planning and implementing work that leads to sustained environmental benefits. Application and reporting will be undertaken in consultation with foundation staff. Maximum grant is \$60,000, to be distributed over a maximum term of three years.

#### Young Environmental Stewards Grants Program

The Young Environmental Stewards (YES) Grant Program was created to help Alberta's young environmental leaders (age 16 to 29) turn their dreams for a cleaner, healthier future into a reality. YES grants provide up to \$5,000 to a single project undertaken by an individual or group of young people who are passionate about making their world a better place.

#### Strategic Grants Program

From time to time Alberta Ecotrust will invest directly in people or projects that are effectively improving environmental health in Alberta. It does not accept applications for these strategic grants. Instead, it solicits applications from successful organizations that are making a real difference in protecting the environment in Alberta.

Examples of projects addressing the protection of the atmosphere include:

- Demonstration projects that illustrate the use of renewable energy
- Public education programs regarding energy efficiency and conservation "walking school bus" initiative whereby parents take turns walking children to school
- Local initiatives encouraging car pooling and other alternative means of commuting such as the Commuter Challenge
- Public engagement in urban land use planning initiatives such as Smart Growth

# Aboriginal Communities

## Clean Energy Initiative - Indian and Northern Affairs

**Responsible Organization and Website:** Indian and Northern Affairs Canada

**Details:** The objective of the program is to engage Aboriginal peoples and northerners in energy-related activities, and facilitate community driven strategies for addressing the use and provision of energy.

**Eligible Region(s)** Canada

**Eligible Recipients:** Eligible organizations are:

- Aboriginal and northern communities
- Band councils
- Tribal councils
- National Aboriginal organizations and other Aboriginal organizations, including professional organizations
- Aboriginal community groups (volunteer groups, community associations and institutions)
- Territorial governments and northern organizations
- Aboriginal businesses and Aboriginal industries

In all cases the funds for approved projects will flow through a financial transfer from the national office to the region.

**Overall Fund Size:** \$15 million (this amount is also for the Integrating Energy Efficiency/Renewable Energy Technologies to Community Infrastructure Projects)

**Fund Duration:** Until 2011

**Target Technology Area(s):** Energy

**Eligible Activities:** Use of INAC's Clean Energy Initiative, Large Energy Projects Contributions: INAC's Clean Energy Initiative, Large Energy Projects contributions could be allocated to one or more of the following types of project activities:

- Community climate change capacity development (directly related to the project)
- GHG emissions estimation
- GHG emissions reductions and verification, or emissions credit trading
- Technology application of energy efficiency and renewable energy technologies
- Human resource development related to energy efficiency and renewable technologies
- Project management components related to GHG estimation and management
- Pre-feasibility/Feasibility studies, Environmental Assessment, and Resource Analysis

**Application Cycle:** Not specified

# Universities and Colleges

## Discovery Grants Program

**Website:** [Natural Sciences and Engineering Research Council of Canada \(NSERC\)](#)

**Details:** The Discovery Grants Program assists in:

- Promoting and maintaining a diversified base of high-quality research capability in the natural sciences and engineering in Canadian universities
- Fostering research excellence
- Providing a stimulating environment for research training

**Eligible Region(s):** Canada

**Eligible Recipients :** Universities and colleges

**Fund Duration:** The grants are awarded for one to five years, the normal duration being five years.

**Target Technology Area(s):** Non-exclusive in all areas within natural sciences and engineering

**Eligible Activities:** Supports ongoing programs of research

**Funding Limits:** The grants are awarded for one to five years, the normal duration being five years.

**Eligible Costs:** NSERC funds are awarded to post-secondary research institutions for the direct costs of the research program or project for which the funds were awarded, such as salaries, stipends and related federal, provincial and institutional non-discretionary benefits for research work performed by research personnel (e.g., students, research associates, technicians).

**Application Cycle:** NSERC must receive the Notification of Intent to apply by August 1 and the full application by November 1.

# Industry

## Energy Assessment Funding: ecoENERGY Incentives

**Website:** [Natural Resources Canada, Office of Energy Efficiency](#)

**Details:** The ecoENERGY Energy Assessment Funding Incentives help industrial companies perform analytical and computer-model assessments of their operations to optimize their processes, reduce operating costs and use energy more efficiently.

**Funding:** Natural Resources Canada (NRCan) will provide a financial incentive of up to **50 per cent** of study costs to a maximum of **\$50,000** for Process Integration (PI) studies and **\$30,000** for Computational Fluid Dynamics (CFD) studies.

## Clean Energy Fund

**Website:** [Natural Resources Canada](#)

**Details:** The Government of Canada has committed that Canada's total GHG emissions be reduced by 20 per cent from 2006 levels by 2020 and that 90 per cent of Canada's electricity be provided by non-emitting sources such as hydro, nuclear, clean coal and wind power by 2020.

By investing in the Clean Energy Fund the government is encouraging new technologies to help protect and preserve our environment for future generations. This funding is meant to protect long-term energy security and create high-quality jobs for Canadians.

**Eligible Region(s):** Canada

**Eligible Recipients :** For-profit and not-for-profit organizations legally incorporated or registered in Canada; including electricity and gas utilities; industry associations; research associations; academic institutions; provincial, territorial and regional and municipal governments and their departments and agencies.

**Overall Fund Size:** \$1 billion - \$850 million for the demonstration of promising technologies, including large-scale carbon capture and storage (CCS) projects, and renewable energy and clean energy systems demonstrations. It also provides \$150 million over five years for clean energy research and development (R&D).

**Fund Duration:** five years - until March 31, 2014

**Target Technology Area(s):** Renewable and clean energy systems

## Renewable Energy Technologies Program

**Responsible Organization and Website:** Natural Resources Canada

**Details:** To assist Canadian industry in the research, development and commercialization of renewable energy technologies that can serve as reliable, cost-effective and environmentally responsible alternatives to conventional energy production.

**Eligible Region(s):** Canada

**Eligible Recipients:** Federal Government  
Provincial/Territorial Governments  
Municipal Governments  
Private Companies or Individuals  
Universities and Colleges

**Fund Duration:** Fund is renewed annually

**Target Technology Area(s):** Bioenergy (combustion, biochemical conversion of biomass to ethanol, thermochemical conversion of biomass to bio-oil and bio-gas, and biomass preparation and handling), small hydro (less than 20 megawatts), active solar and wind energy.

**Eligible Activities:** Supports prototype/demonstration projects

**Funding Limits:** n/a

## Science and Technology Internship Program

**Website:** Natural Resources Canada

**Details:** The Science and Technology Internship Program provides an opportunity to recent graduates in science or engineering to gain relevant and meaningful work experience. Potential interns are invited to work on natural resource science projects of commercial potential, in cooperation with Natural Resources Canada (NRCan).

**Eligible Recipients:** Private companies or individuals (recent graduates in science or engineering)

**Fund Duration:** March 31, 2012

**Target Technology Area(s):** Natural resource sciences projects

**Eligible Activities:** Activities may include all aspects of the innovation or technology process including bench level research, scale-up testing, pilot plant operations, analytical testing, calibration, technical documentation and field tests, and work in the fields of geomatics and geology as well as environmental work in earth sciences, mining, forestry and energy.

**Funding Limits:** The maximum contribution per internship from the Science and Technology Internship Program fund will be \$13,200 over a maximum of 52 weeks.

**Application Cycle:** Open, internships can start at any time throughout the year.

## Scientific Research and Experimental Development - Tax Incentive Program

**Website:** [Canada Revenue Agency](#)

**Details:** To encourage Canadian businesses of all sizes and in all sectors to conduct research and development (R&D) in Canada that will lead to new, improved or technologically advanced products, services or processes.

**Eligible Region(s):** Canada

**Eligible Recipients:** Private Companies or Individuals

**Overall Fund Size:** The Scientific Research and Experimental Development (SR&ED) program is not a fund. However, as per the latest figures from the Department of Finance, the program allowed over \$2.6 billion in investment tax credits (ITCs) in a single year. This makes the SR&ED program the largest single source of federal government support for industrial research and development.

**Eligible Activities:** Work that qualifies for SR&ED tax credits includes:

- Experimental development to achieve technological advancement to create new materials, devices, products, or processes, or improve existing ones
- Applied research to advance scientific knowledge with a specific practical application in view
- Basic research to advance scientific knowledge without a specific practical application in view
- Support work in engineering, design, operations research, mathematical analysis, computer programming, data collection, testing, or psychological research, but only if the work is commensurate with, and directly supports, the eligible experimental development, or applied or basic research

**Funding Limits:** Canadian-controlled private corporations that meet specific criteria may receive a refundable investment tax credit (ITC) of 35 per cent of qualifying SR&ED expenditures, to a maximum of \$2 million of expenditures. Most other Canadian corporations, proprietorships, partnerships and trusts can receive an investment tax credit of 20 per cent of qualifying SR&ED expenditures.

**Eligible Costs:** Claimants can apply for SR&ED investment tax credits for expenditures such as wages; including employee stock option benefits, materials, machinery, equipment, some overhead and SR&ED contracts.

**Application Cycle:** Applicants should submit their claim with their T2 corporation or their T1 individual income tax return, or within 12 months of their income tax return's filing due date for the year in which the SR&ED expenditure was incurred. As a result, corporations have 18 months to file Form T661 and Schedule T2SCH31, while individuals have 17 1/2 months to file Form T661 and Form T2038 (IND).

## ecoENERGY Assessment Incentives and Process Integration Study Incentive

**Website:** [Natural Resources Canada](#)

**Details:** Natural Resources Canada offers a financial incentive to help industrial companies conduct process integration studies that identify opportunities for increasing energy efficiency and improving production processes. By using energy more efficiently industry can become more competitive and help reduce greenhouse gases (GHGs) and air pollution.

Process integration studies go beyond conventional energy audits to look at the overall plant processes and systems and their interactions. Through the systematic and rigorous analysis of processing steps, utility systems, and their interactions, process integration studies determine the most efficient use of energy, water and raw materials.

**Eligible Recipients:** Canadian private companies or individuals

**Overall Fund Size:** Not specified

**Fund Duration:** No set termination date

**Target Technology Area(s):** Increasing energy efficiency

**Funding Limits:** Funding is available for up to 50 per cent of the cost of a process integration study to a maximum of 50,000.

**Application Cycle:** Open

## ecoENERGY Technology Initiative

**Website:** [Natural Resources Canada](#)

**Details:** The Initiative will fund research, development and demonstration (RD&D) to support the development of next-generation energy technologies needed to break through to emissions-free fossil fuel production, as well as for producing energy from other clean sources, such as renewables and bio-energy. It will also advance the development and use of new clean energy technologies in end-use sectors such as buildings and community systems.

**Eligible Recipients:** Federal government  
Provincial/territorial governments  
Municipal governments  
Private companies or individuals  
Universities and colleges

**Overall Fund Size:** \$230 million

**Fund Duration:** Until 2011

**Target Technology Area(s):** Eight priority areas will concentrate RD&D efforts and accelerate outcomes:

- Clean fossil fuels - focusing on the environmental aspects of oil sands development
- Clean coal and carbon capture and storage
- Distributed electricity generation from renewable energy and other clean energy sources, including grid management
- Next-generation nuclear energy technologies
- Bio-based energy systems
- Low-emission industrial systems
- Clean transportation systems
- Built environment, focusing on the integration of renewable energy technologies into buildings and community systems

**Application Cycle:** There are several calls for proposals per year. Please see the website at the top of the section for details.

# Commercial Businesses and Other

The following three programs can be found on the website: **Climate Change Central**

## Trucks of Tomorrow

This provincial program helps commercial trucks reduce fuel use and greenhouse gas emissions, and save money in the process. You can be an owner/operator or a manager of a fleet to participate in our program. Rebates are offered to companies up to a maximum of \$30,000. <http://www.trucksoftomorrow.com/>

## Hybrid Taxi

All Alberta taxi owners/operators who purchase and register a new gasoline-electric hybrid vehicle as a taxi on or after July 1, 2008 are eligible for a rebate of up to \$3,000 depending on model type.

## Light it Right

This is a commercial incentive pilot program aimed at people with a business in one of five sectors to encourage them to get rid of old wasteful and expensive lighting and replace it with a more efficient system – with the added benefit of seeing a rebate cheque at the end of the process. Five building types are eligible for rebates when they retrofit their lighting:

- Restaurant
- Retail
- Multi-Unit residential
- Offices/hotels
- Warehouse/ rec centres

For information on this opportunity, visit [LightitRight.ca](http://LightitRight.ca).

## Freight Technology Incentives Program

**Website:** Transport Canada [www.tc.gc.ca](http://www.tc.gc.ca)

**Details:** Provides cost shared funding to support the purchase and installation of proven technologies throughout the freight transportation system that can reduce the emissions of air pollutants and greenhouse gases.

Examples of eligible projects under the program include (but are not limited to):

- Purchase of diesel anti-idling equipments in rail yards, ports, airports and trucking stations
- Purchase of hybrid switching locomotives
- Purchase of electronic speed control systems

### Who can apply?

Canadian and non-Canadian private enterprises, including not-for-profit organizations, which operate freight transportation in Canada using any of the four modes (air, marine, rail, and road). Examples include air carriers, railways, trucking companies, marine carriers, and eligible port and airport facilities.

### How do you apply?

The application process for Round 2 of funding for the Freight Technology Incentives Program is now closed.

### How does it work?

Projects can be funded to cover a maximum of:

- 50% of project total eligible costs
- \$500,000 over a two-year period

The program requires a minimum funding request of \$25,000 to be considered for funding.

## Fleet Smart Program

**Website:** Natural Resources Canada <http://fleetsmart.nrcan.gc.ca>

**Details:** Natural Resources Canada's Fleetsmart Program offers free practical advice on how energy-efficient vehicles and business practices can reduce fleet operating costs, improve productivity and increase competitiveness.

## ecoENERGY Retrofit Grants and Incentives

**Website:** [Natural Resources Canada](#)

**Details:** Natural Resources Canada's ecoENERGY Retrofit program provides financial support to homeowners, small and medium-sized businesses, public institutions and industrial facilities to help them implement energy saving projects that reduce energy-related greenhouse gases and air pollution, thereby contributing to a cleaner environment for all Canadians.

**Eligible Region(s):** Canada

**Eligible Recipients;** Not-for-profit organizations  
Private companies or individuals  
Universities and colleges  
Others (homeowners)

**Overall Fund Size:** The grant is based on the individual upgrades completed.

**Fund Duration:** April 1, 2007 to March 31, 2011

**Target Technology Area(s):** Energy efficient building retrofits

**Eligible Activities:** Energy saving projects that reduce energy-related greenhouse gases and air pollution.

**Funding Limits:**

- For homeowners: \$5,000
- For owners of small and medium-sized buildings in the commercial and institutional sectors: up to 25 per cent of eligible project costs to a maximum of \$50,000
- For owners of industrial facilities: up to 25 per cent of eligible project costs to a maximum of \$50,000 per application and \$250,000 per corporate entity.

**Application Cycle:** Open

## ecoENERGY for Biofuels Program

**Website:** [Natural Resources Canada](#)

**Details:** The ecoENERGY for Biofuels program supports the production of renewable alternatives to gasoline and diesel and encourages the development of a competitive domestic industry for renewable fuels. The program provides an operating incentive to facilities that produce renewable alternatives to gasoline and diesel in Canada.

**Eligible Recipients:** Canadian crown corporations, private companies or individuals

**Overall Fund Size:** Up to \$1.5 billion

**Fund Duration:** April 1, 2008 to March 31, 2017

**Target Technology Area(s):** Biofuels

**Eligible Activities:** The production of renewable alternatives to gasoline and diesel and activities that promote the development of a competitive domestic industry for renewable fuels.

**Funding Limits:** Incentive rates will be up to \$0.10/L for renewable alternatives to gasoline and up to \$0.20/L for renewable alternatives to diesel for the first three years. These maximum rates will decline after three years. Recipients will be entitled to receive incentives for no more than seven (7) consecutive years.

**Application Cycle:** Open, but production must begin within 90 days of signing the Contribution Agreement under the program, else the funding will not commence.

## ecoENERGY for Renewable Power

**Website:** [Government of Canada](#)

**Details:** To increase Canada's supply of clean electricity from renewable sources such as wind, biomass, low-impact hydro, geothermal, solar photovoltaic and ocean energy. It will encourage the production of 14.3 terrawatt hours of new electricity from renewable energy sources, enough electricity to power about one million homes.

**Eligible Recipients:** Businesses, municipalities, institutions and organizations are eligible.

**Overall Fund Size:** \$1.48 billion

**Fund Duration:** March 2018

**Target Technology Area(s):** Clean electricity from renewable sources such as wind, biomass, low-impact hydro, geothermal, solar photovoltaic and ocean energy.

**Eligible Activities:** The production of clean, renewable energy

**Funding Limits:** ecoENERGY for Renewable Power will provide an incentive of one cent per kilowatt-hour for up to 10 years to eligible low-impact, renewable electricity projects constructed over the next four years, April 1, 2007 to March 31, 2011.

**Eligible Costs:** Most costs involved in the production of clean, renewable energy.

**Application Cycle:** Open

## NextGen Biofuels Fund

**Website:** [Sustainable Development Technology Canada](#)

**Details:** The NextGen Biofuels Fund is aimed at supporting the establishment of first-of-kind commercial scale demonstration facilities for the production of next-generation renewable fuels and co-products. The fund will help Canada sustainably meet its Renewable Fuels Standards. The purpose of the fund is to encourage retention and growth of technology expertise and innovation capacity for cellulosic ethanol and biodiesel production in Canada.

**Eligible Recipients:** Private Companies or Individuals

**Overall Fund Size:** \$500 million

**Fund Duration:** Up to March 31, 2017

**Target Technology Area(s):** Next generation biofuels

**Eligible Activities:** Activities involved in supporting the establishment of first-of-kind commercial scale demonstration facilities for the production of next-generation renewable fuels and co-products.

**Eligible Costs:** To be considered Eligible Project Costs, costs must be directly attributable to the funded project, whether for next-generation renewable fuels or related co-products. Eligible Project Costs are:

- Costs for initial project definition and assessment (e.g. to confirm project parameters, investment level requirements, market and environmental impacts)
- Contract costs for design, engineering, procurement and construction services
- Costs associated with environmental assessments
- Costs for production systems and equipment, including monitoring and tracking systems
- Salary costs for design, engineering, procurement and construction
- Salary and contract costs for implementing and commissioning
- Project management and related administrative costs
- Costs related to project reporting

**Repayment Terms:** The NextGen Biofuels Fund incorporates a requirement that all contractual agreements between SDTC and eligible recipients include repayment terms that incorporate the sharing of financial benefits commensurate with risks.

**Application Cycle:** Open

## Global Environment Fund

**Website:** [Global Environment Fund](#)

**Details:** Established in 1990, the Global Environment Fund (GEF) invests in businesses around the world that provide cost-effective solutions to environmental and energy challenges. The firm manages private equity dedicated to clean technology, emerging markets and sustainable forestry, with approximately \$1 billion in aggregate capital under management.

**Eligible Recipients:** Private companies or individuals

**Overall Fund Size:** Approximately \$1 billion

**Fund Duration:** On-going

**Target Technology Area(s):** Environmental technologies with a focus on renewable energy and sustainable resource management.

**Repayment Terms:** Repayable. Terms depend on the investment conditions.

**Application Cycle:** Open. The GEF is known to approach companies they are interested in.

## Internship Program with Innovative Small and Medium-sized Enterprises (SMEs)

**Website:** [National Research Council Canada](http://www.nrc.ca)

**Details:** This program provides financial assistance to innovative small and medium-sized enterprises (SMEs) in Canada to hire post-secondary science, engineering, technology, business and liberal arts graduates. Graduates work on innovative projects within the SMEs and may participate in research, development and commercialization of technologies. In some cases SMEs may be collaborating with a National Research Council (NRC) institute or with Industry Canada's Communications Research Centre (CRC). In addition to meeting the needs of innovative SMEs, this program will facilitate the transition of highly skilled young people to a rapidly changing labour market.

The program is an initiative of the Youth Employment Strategy (YES) of the Government of Canada with funds from Human Resources and Social Development Canada (HRSDC).

### Eligible Recipients: SMEs Eligibility

To be eligible for these programs, your firm must:

- Be a small or medium-sized enterprise (SMEs) with less than 500 employees
- Be incorporated and for profit
- Wish to enhance its innovation capability
- Be willing to establish a trusting relationship with NRC-IRAP
- Have graduate eligibility

To be eligible, a graduate must:

- Be a Canadian citizen or a permanent resident or a person granted refugee status in Canada
- Be between 15 and 30 years old (inclusive)
- Have completed post-secondary education
- Be a first-time youth participant in a placement of the Career Focus Program of the Youth Employment Strategy (YES) not be in receipt of Employment Insurance benefits
- Be legally entitled to work according to relevant provincial legislation and regulations

**Target Technology Area(s):** Both firms and graduates benefit from this program: firms benefit from the graduate's expertise in a diverse variety of disciplines and graduates gain valuable work experience that will help open the doors for future employment.

**Eligible Activities:** Firms will receive financial support towards the employment of post-secondary graduates, who will work on technical opportunities in the firm and on non-technical but technology related projects such as:

- Research and development, engineering, multi-media
- Development of new products and processes
- Market analysis for a new technology-based product
- **Business development related to science and technology activities**
- Improvement of customer services, etc.

**Funding Limits:** Maximum support provided will be \$15,000 to help cover a part of the graduate's salary. Your firm is responsible for covering other expenses such as fringe benefits and overhead costs.

**Application Cycle:** On going

# Agriculture

## OnFarm Energy-Efficiency Program

**Website:** [Climate Change Central - OnFarm Efficiency Program](#)

**Details:** This is a pilot program that offers subsidized energy assessments to small and mid-sized dairy, poultry and swine producers throughout Alberta. It was developed, and is operated, by Climate Change Central and Alberta Agriculture and Food's AgTech Centre in Lethbridge.

**Program offering:** Trained assessors come to your farm and conduct a thorough assessment of your operation's energy use and subsequently identify various measures you can take to reduce your electricity and natural gas bills.

**Cost:** Participating producers pay only \$200 of the \$1,800 cost of the assessment and report. This detailed report breaks down your operation's energy use and offers customized recommendations for changing operational practices and making capital upgrades – including their costs and resulting energy savings.

## ecoAgriculture Biofuels Capital Initiative (ecoABC)

**Website:** [Agriculture and Agri-food Canada](#)

**Details:** It is designed to provide an opportunity for agricultural producers to diversify their economic base and participate in the biofuels industry through equity investment/ownership in biofuels production facilities. As well, ecoABC will help achieve the federal government's goal of reaching an average of five per cent renewable content in gasoline by 2010 and two per cent renewable content in diesel fuel and heating oil by 2012.

The initiative can contribute a repayable contribution up to \$25 million or 25 per cent of eligible project costs, whichever is less. First round of funding for \$50 million ended March 31, 2008.

**Eligible Recipients:** Canadian private companies or individuals

**Funding Amount:** \$200 million repayable multi-year federal initiative

**Application cycle:** The deadline for the construction or expansion of biofuels facilities funded by ecoABC has been extended **from March 31, 2011 to September 30, 2012**. This will provide more time for projects to secure necessary financing and complete construction.

## ecoEnergy for Biofuels

**Website:** [Natural Resources Canada](#)

**Details:** Incentives rates will be up to \$0.10 per litre for renewable alternatives to gasoline  
Up to \$0.20 per litre for renewable alternatives to diesel for the first three years, then declining thereafter.

**Eligible Recipients:** Agricultural producers and individuals

**Funding Amount:** 1.5 billion over nine years

Applicable to eligible production between April 1, 2008 and March 31, 2017