Technology Assistance Programs
for
Alberta Environmental Entrepreneurs

Below, you will find listings to associated websites that provide a link to the named program and/or organization, the appropriate user of that program and/or organization, and a very brief description of the type of assistance.

Support Areas:

- Access to: Business Directories, Guidelines and Information
- Financial Support: Capital Loans & Leases, and Financial Advice
- Funding: Commercialization, Marketing, and Research & Development (R&D)
- Management Training: Benchmarking, Business Advice, Coaching, Mentoring, Networking, Technology Verification and Trade Promotion

Users:

- Business and Research Associations
- Canadian and Provincial Municipalities
- Educational Institutions
- Independent Researchers
- Industry in General
- Manufacturing Companies
- Research Organizations and Institutes
- Small and Medium Size Enterprises (SMEs)

How to use the information on each page:

Organization & Programs	Users & Support Areas	Description of Assistance
This column provides the name of the organization along with the name of the programs or services provided, and links to their websites.	This column outlines the users/audience that are eligible for the assistance, including: SMEs, researchers, individuals, educational and research institutions, and associations; and the support areas where assistance is provided including: funding for research and development (R & D), marketing, commercialization; and management training for: coaching, mentoring, and networking.	This column provides a very brief description of the form of assistance provided through the organization's program or service.

Organization & Programs	Users & Support Areas	Description of Assistance
Agriculture and Agri-Food Canada [AAFC] **Programs:** Advance Payments Program [APP] Advancing Canadian Agriculture and Agri-Food Program [ACAAF] Agricultural Bioproducts Innovation Program [ABIP] Agri-Innovation Program ecoAgriculture Biofuels Capital Initiative [ecoABC] Greenhouse Gas Mitigation Program National Environmental Farm Planning Initiative Other programs	**Users:** Canada's agri-food industry including: • Aboriginal groups • Canadian producers • Commodity groups • Cooperatives • Educational institutions • Federal government departments and agencies, and other public sector research organizations • For-profit companies, organizations and associations • Marketing boards • Not-for-profit organizations and associations **Support areas:** • Financial loan • Repayable capital funding • R & D funding • Technology commercialization	Agriculture and Agri-Food Canada (AAFC) provides information, research and technology, and policies and programs to achieve security of the food system, health of the environment and innovation for growth. It operates the following Delivery Programs: The **Advance Payments Program (APP)** is a financial loan guarantee program that gives producers easier access to credit through cash advances. The Spring Credit Advance Program and the previous Advance Payments Program have now been merged into a single program which is the new APP, which is now available to producers. The new APP means improved cash flow throughout the year and better opportunities for marketing the producers' agricultural products. Who is eligible: Canadian producers of eligible crops through producer organizations designated as program administrators. The limit on cash advances is $400,000; the interest-free amount on cash advances is $100,000; the coverage has expanded to include livestock and an additional variety of crops; and producers now have up to 18 months (April to September of the following year) to get and repay their cash advances. The **Advancing Canadian Agriculture and Agri-Food (ACAAF)** program is a five-year, $240 million program that was launched in April 2004 as a successor to the Canadian Adaptation and Rural Development (CARD) Fund, and will continue CARD's innovative and cooperative approach to funding projects at the national, multi-regional and regional level. Eligible recipients must be legal entities, and may include: individuals; not-for-profit organizations and associations; universities; colleges; cooperatives; marketing boards; aboriginal groups and for-profit companies. Successful applicants must demonstrate that they are able to complete their project by March 31, 2009. ACAAF now has a continuous intake process so there is no specific application deadline. The **Agricultural BioProducts Innovation Program (ABIP)** is a $145 million, multi-year program that seeks to mobilize Canada's creative talent in academia and in the private and public sectors and to integrate resources to build greater research capacity in agricultural BioProducts and bioprocesses. Through supporting networks and clusters, the program promotes research, development, technology transfer and commercialization activities in areas such as biofuels, other forms of Bioenergy, biochemicals, biopharmaceuticals, etc. Eligible network participants include universities, the private sector, federal government departments

		and agencies, and other public sector research organizations. The **Agri-Innovation Program** provides funding assistance towards identifying key agri-innovation opportunities; undertaking applied scientific and pilot processing activities undertaken in facilities which include centers of innovation and incubators, and undertaking innovation acceleration associated with new business and market opportunity development. Key areas are: agri-food, value-chain innovation; agricultural bioproducts assessment and adoption; and innovation Acceleration. The program is operational and will end March 31, 2008. Organizations or entities (e.g. cooperatives, commodity groups, agri-businesses, municipal governments, universities or colleges) that represent or involve agriculture are eligible for consideration. The **Greenhouse Gas Mitigation Program (GHG Mitigation Program)** involves identifying best management practices (BMPs) that reduce GHG emissions, raising awareness, and involving producers in adopting the practices for soil, nutrient and livestock management. Impacts on GHG reduction will be measured for specific BMPs, and results will be reviewed to improve existing BMPs. Examples of BMPs include fertilizer formulation and application practices, livestock feeding and manure handling practices, and soil management practices including enhanced carbon sequestration. Carbon sequestration, also known as 'sinks', involves the absorption of carbon from the atmosphere into the soil. Management practices such as low-till agriculture, encourages carbon produced by plants to remain in the soil. AAFC received $33 million over five years for programs to address agricultural emissions of GHGs, including $21 million for the Greenhouse Gas Mitigation Program for Canadian Agriculture to address agricultural GHG emission reduction in the areas of soil, nutrient, and livestock management. The program is a "get started" initiative to contribute towards the goal of reducing agricultural GHG emissions by 5.8 million tonnes per year of CO2 equivalent during the Kyoto commitment period of 2008-2012. The **ecoAgriculture Biofuels Capital Initiative (ecoABC)** is a federal $200 million four-year program ending on March 31, 2011 that provides repayable contributions of up to $25 million per project for the construction or expansion of transportation biofuel production facilities. Funding is conditional upon agricultural producer investment in the biofuel projects, and the use of agricultural feedstock to produce the biofuel. Funding is provided for projects that use agricultural feedstocks to produce biofuels and

		that have new agricultural producer equity investments in the projects equal to, at minimum, five percent (5percent) of the total eligible project costs. Corporations (including co-operatives), individuals, and partnerships are eligible to apply for ecoABC funding. Eligible applicants cannot be subject to controlling interest by a federal, provincial or municipal government. The **National Environmental Farm Planning Initiative** will help Canada's agricultural producers develop and implement environmental farm plans (EFPs) through provincially delivered EFP programs. **Source: Government of Canada**
Agriculture Financial Services Corporation [AFSC] **Program:** Commercial Loan Program	**Users:** Alberta incorporated commercial enterprises **Support areas:** Loan capital	Agriculture Financial Services Corporation (AFSC) is a provincial crown corporation with a private sector Board of Directors that provides farmers, agribusinesses and other small businesses loans, crop insurance and farm income disaster assistance. The **Commercial Loan Program** of Agriculture Financial Services Corporation provides an alternative source of loan capital to individuals and businesses involved in commercial enterprises in Alberta. This program promotes the development of resources and the general growth and diversification of the economy in Alberta. This loan is available to Canadian citizens or landed immigrants who meet Alberta residency requirements. Companies must be incorporated in Canada and registered to conduct business in Alberta. This Loan can be used to start, expand, purchase, or upgrade facilities, equipment, or other capital assets needed for your commercial enterprise. The maximum loan to an individual or any group of connected individuals or companies is $2 million. If you qualify, you can re-borrow up to the maximum limit as loans are paid down or paid out. Our repayment options offer you a choice of various reasonable fixed and renewable rates and terms, for a maximum period of 20 years. The interest rate can be fixed over the entire life of the loan, ensuring long-term stability and the ability to manage cash flow risk. Commercial Loans can be prepaid or paid out in full at any time without penalty.

Alberta Agriculture **Program:** Alberta Environmentally Sustainable Agriculture Farm based Program [AESA]	**Users:** • Individuals • Private companies • Universities and colleges • Others **Support areas:** Funding	The main objectives of the **Alberta Environmentally Sustainable Agriculture (AESA)** farm based program, is to facilitate the adoption of beneficial management practices and technologies that make agricultural production more environmentally sustainable. The target technology areas include: Nutrient management; sustainable grazing and riparian management; integrated crop management and responsible pest management; greenhouse gas awareness and biodiversity. Eligible activities include those that support the extension of environmentally sustainable agriculture practices and systems such as: extension program planning, coordination, and evaluation; demonstration, tours, meetings, workshops, and one-on-one; communication and educational activities and material development; staff training to support program delivery; support Environmental Farm Plan Program; and promotional support of the Canada-Alberta Farm Stewardship Program. Approved projects will be funded at a cost-sharing ratio of 75 percent by AESA and 25 percent by the applicant. Of the 75 percent funded by AESA, 70 percent must go towards the manpower cost of hiring an Extension staff member and 30 percent can be used for eligible extension costs. Funding is given for a three-year term; however projects need to update AESA each year in order to continue to be approved for funding. For the next cycle beginning in 2008, applications are due by November 2007.
Alberta Energy **Program:** Innovative Energy Technologies Program [IETP]	**Users:** Industry **Support areas:** • Commercial technical solutions assistance for industry • Royalty adjustments	The **Innovative Energy Technologies Program (IETP)** represents a $200 million commitment over five years by Alberta Energy to provide royalty adjustments to a number of specific pilot and demonstration projects that use innovative technologies to increase recoveries from existing reserves and encourage responsible, development of oil, natural gas and in-situ oil sands reserves. The program is also designed to assist industry to find commercial technical solutions to the gas over bitumen issue that will allow efficient and orderly production of both resources. The objective is to generate royalties from the increased recovery of oil, gas and oil sands resources might not otherwise be recovered under present technology. It's anticipated that successful

		technologies supported by this program will enhance resource recovery and increase royalties to fully recover, over time, program's costs. Successful applicants in the program will be provided royalty adjustment of up to a maximum of 30 percent of approved project costs. Industry must provide the remaining 70 percent or more of total project costs. The total industry/government commitment to important new technologies, assuming full subscription of the program, will be at least $667 million.
Alberta Energy Research Institute [AERI] **Program:** Research and Technology Program	**Users:** • Industry • Research organizations • Universities **Support areas:** R&D	AERI works with industry and other government ministries to promote innovation and technology that will enable Alberta's energy sector to evolve. AERI supports and invests with industry and other organizations in research and technology development in the following primary areas: bitumen upgrading, clean carbon/coal, Oil Sands Mining and Extraction, improved recovery - Conventional and non-conventional oil and gas, renewable and alternate energy, CO2 management, and water management. The **Research and Technology Program** is geared to universities, research organizations and industry. It replaces the Industry Research Program, Innovations Assistance Program and COURSE (University Research Program). Grants will typically be over $50,000 for one year projects, to millions of dollars for large, multi-year pilot and demonstration projects. AERI also supports individual inventors with smaller grants intended to help inventors gain assistance with engineering designs, building prototypes and getting patents. Inventions should have the potential to make a significant impact on the energy industry and have an industry supporter. Grants are typically less than $50,000 for project that last less than one year.
Alberta Energy Research Institute [AERI] **Program:** Alberta Energy Research Institute Industry Research Program	**Users:** • Individuals • Private Companies • Universities and colleges **Support areas:** Funding for technology development	The main objective of the **Industry Research Program** is to promote innovation and technology that will enable Alberta's energy sector to evolve, to position Alberta for the future in energy development, and to enhance the sustainable development of the province's energy resources. Target technology areas: Oil and gas, heavy oil and oil sands, coal, electricity, petrochemicals, renewable and alternative energy, water and CO2 management. Proposals eligible for funding are those that involve energy-related

		research and development, which is of strategic importance and commercial benefit to Alberta. Applicants are encouraged to pursue high-impact research projects that fit with one or more of the identified AERI goals. Sample funded activities include: • advancement and adaptation of technology for alternative energy sources like hydrogen, geothermal, and biomass, so they account for a larger portion of the energy mix • development of clean burning coal to generate electricity • improving oil and gas production • managing carbon dioxide and other emissions • upgrading of oil sands technology Funding has generally ranged from $5,000 to $2,000,000 per year. AERI does not fund capital projects or business operating costs. All other research and development costs are eligible.
Alberta Ingenuity **Programs:** Bill Bridger Award of Excellence Student Scholarships	**Users:** Natural science or engineering master's or doctoral degree students **Support areas:** Scholarships and awards	Alberta Ingenuity supports the highest quality basic and applied research in science and engineering disciplines through its awards programs. Alberta Ingenuity offers the following grants and awards programs: Bill Bridger Award of Excellence, Centre Program Awards, Industry Associates, new faculty awards, Scholar Awards, student scholarships. **Student Scholarships** support top students as they undertake full-time research training in a natural science or engineering discipline at an Alberta university leading to a research-based Master's or Doctoral degree. The Alberta Ingenuity Student Scholarship Program gives top students full-time research training experience in a natural science or engineering discipline. An Alberta Ingenuity Student Scholarship can be held for up to five years and consists of an annual stipend of up to $22,000 and a $1,500 yearly research allowance. The **Bill Bridger Award of Excellence** is given annually to an Ingenuity Student Scholarship recipient who demonstrates outstanding achievement. The award consists of a $1,500 research allowance added to the Ingenuity Student Scholarship stipend. The additional one-time funds are expected to be used by the recipient to attend an international conference of her or his choice. In addition, the recipient receives an engraved commemorative award. Selection is made each spring by Alberta Ingenuity's President in conjunction with the Manager, Awards Programs. Presentation of

		the award is made place at the annual Celebrating Ingenuity event in the fall.
Alberta Ingenuity **Program:** Centre Program Awards	**Users:** • Alberta researchers • Alberta universities, colleges and technical institutes **Support areas:** Basic and applied research in science and engineering	Through the **Centre Program Awards** (Centres Program), Alberta Ingenuity offers major grants to outstanding research groups at universities and colleges working in the areas of energy, life sciences, and information and communications technologies (ICT) - producing new discoveries, new technologies, and new jobs that will benefit Albertans and others. Alberta Ingenuity Centres must be led by researchers from Alberta universities and research organizations, either alone or in partnership. The **Alberta Ingenuity Centres Program** is one of Alberta Ingenuity's flagship programs for research support. The Centres build on established research and strategic opportunities to mobilize Alberta's research leaders in partnerships with researchers across the province, across Canada and around the world. These partnerships play a critical role in enhancing and facilitating relationships among academic institutions and Alberta's industries, and in attracting leading science and engineering researchers and trainees to the province. This program invests in Ingenuity Centres at various stages of maturity. At present, Alberta Ingenuity supports four Ingenuity Centres. The annual funding level is $1~ $2.5 million and the term is five years, renewable to 15 years. The program requires integrated proposals from teams of researchers who are addressing a major research problem in a coherent fashion. Alberta Ingenuity Centres must be led by researchers from Alberta universities and research organizations, either alone or in partnership. The strength of a proposal is enhanced by meaningful collaboration among universities, colleges, industry, and policy makers.
Alberta Ingenuity **Program:** Industry Associates Program	**Users:** Alberta-based companies **Support areas:** Research allowance	The **Industry Associates Program** enables Alberta companies to recruit recent Master's and PhD graduates to conduct research that benefits the organization. The Program addresses the increasing research personnel needs of Alberta industry. The program's primary objective is to increase the research expertise in Alberta-based companies. At the same time, recent graduates will gain applied research experience and contribute to research-related activities of the company.

		An Alberta Ingenuity Industry Associates Program may be held for two years and consists of a $48,000 annual stipend and a research allowance of up to $7,000 per year. Up to forty Industry Associateships will be awarded annually.
Alberta Ingenuity **Program:** New Faculty Awards Program	**Users:** Independent investigators who are in their first academic career appointment at an Alberta university or college **Support areas:** Operating funds for science and engineering research	The **New Faculty Awards Program** expands and strengthens Alberta's science and engineering research capacity by providing start-up support , primarily operating funds, to independent investigators who are in their first academic career appointment at an Alberta university or college. The grant is for up to $100,000 per year for three years and may be used to cover costs associated with the establishment of a new research laboratory and program.
Alberta Ingenuity **Program:** Scholar Awards Program	**Users:** • Alberta researchers • Alberta universities, colleges and technical institutes **Support areas:** Science and engineering research	The strategic intent of the Alberta Ingenuity's **Scholar Award's Program** is to attract to Alberta the world's best researchers and innovators in areas of strategic importance to the province. These research leaders will themselves attract further research funding to the province, thereby increasing the critical mass of research and providing a degree of leadership and focus to research efforts in Alberta. These researchers provide leadership and focus to Alberta's research efforts, and help build additional research capacity. The program provides resources to help universities and colleges recruit highly qualified researchers to build or strengthen outstanding research groups.
Alberta Research Council [ARC] **Programs:** ARC Co-Investment Industrial Research Assistance Program [IRAP] Scientific Research & Experimental Development [SR&ED]	**Users:** SMEs **Support areas:** R&D and commercialization	ARC is a not-for-profit research and development corporation wholly owned by the province of Alberta which develops and commercializes technology to grow innovative enterprises. They specialize in converting early stage ideas into marketable technology products and services. The sectors ARC serves include energy, life sciences, agriculture, environment, forestry, and manufacturing. Their key lines of business are: applied research, technology assessment, technology development and demonstration, technology commercialization, consulting, and testing and analysis. ARC provides pre-capitalized R&D infrastructure and facilities; sources technology and creates technology commercialization opportunities; promotes and facilitates partnerships, joint ventures and investment in R&D; and provides leadership and technology

		foresight to assist the government and industry in setting policy and developing innovation strategies and programs. On the environmental side, ARC's activities encompass five program areas including: Bio Waste Utilization, Climate Change Technologies, Land Reclamation, Waste Management Technologies and Waste Materials Engineering. There are a number of programs available outside ARC to help finance R&D. Some of the more popular programs include: **ARC Co-Investment**, **Industrial Research Assistance Program (IRAP)** and **Scientific Research & Experimental Development (SR&ED)**. ARC will **co-invest** in technology development and commercialization opportunities by providing in-kind services in return for either a negotiated share of equity in the company, or a royalty on downstream revenues. All investments are carefully evaluated, must be aligned with ARC's corporate strategy, and require a technical contribution from ARC. The **IRAP** is a program that assists small and medium sized Canadian enterprises by providing technological and business advice, financial assistance and a wide-range of other innovation assistance. IRAP is administered by the National Research Council. The **SR&ED** is a federal tax incentive program to encourage Canadian businesses to conduct research and development in Canada. Projects conducted by ARC are eligible expenditures under this program.
AVAC Ltd. **Programs:** Idea Builder Knowledge Investment Pre-commercial and Entrepreneurial Projects Research and Strategic	**Users:** • Commercial entities • Entrepreneurs • Researchers and research institutions • Technology developers or others who are engaged in commercialization, development and research for the agrivalue sector	AVAC Ltd. is a member-based not-for-profit corporation created to facilitate the linkage of knowledge and investment with science and enterprise to help grow Alberta's agrivalue industry. Its prime role is to help access investment capital for value-added ideas and innovations by increasing the quality and quantity of agrivalue projects and to dramatically increase the chance of project success. AVAC members are leaders in the Alberta agricultural and food value-added community and pay an annual fee. Members of AVAC include, but are not limited to existing and prospective agricultural processors, academic and research institutions, producer / industry associations and financial institutions. AVAC will provide support for entrepreneurs, commercial entities, researchers and research institutions, technology developers or

	Support areas: • Funding for agrivalue-focused research and pre-commercialization • Networking	others who are engaged in commercialization, development and research for the agrivalue sector. AVAC's present investment activities are focused in four areas, including: new and enhanced foods; wellness; bioproducts and industrial applications; and enabling technologies. AVAC's investment is limited to a maximum of 50percent of the total project costs. AVAC will fund research focused on agrivalue with the expectation of specific outcomes and AVAC will invest in pre-commercial ventures. AVAC is building a knowledge network to help bring agrivalue ideas to reality. Links to external sources of knowledge are available in the Knowledge Exchange Network. AVAC is always eager to identify new sources of knowledge and appreciates being notified of useful resources, experts or websites. Please forward helpful resources to AVAC. AVAC offers four unique Investment Programs, each with its own application form and process: 1. **Idea Builder** - a fast track program to help entrepreneurs and new venture developers get great ideas off the ground. The Program is for investments up to $25,000 for agrivalue projects, such as new food and health products, marketing innovations or breakthroughs in food processing technologies. 2. **Knowledge Investment** - for projects under $25,000 that advance value added knowledge within the province in one of AVAC's four focus areas. Applications for conference sponsorship pr event support. 3. **Pre-commercial and Entrepreneurial Projects** – for projects including product development, market assessments, prototypes or samples and business plan development for entrepreneurs and new venture developers; more than $25,000. 4. **Research and Strategic** – for researchers and their ongoing, new or applied research.
Business Development Bank of Canada [BDC]	**Users:** SMEs **Support areas:**	BDC offers Management Coaching and executive mentoring support through online Business Advisers. **Management coaching** is recommended for companies preparing for rapid growth, new

Programs: Management Coaching Online Business Advisers - Ask a Professional	• Financing • Mentoring • Online business advice	markets, or exporting. It can also help companies wanting to implement support mechanisms for their management team. Management coaching benefits companies that want: • training in and development of managerial skills for business owners or other executives • renewed commitment from the management team to a strategic vision and action plan • a disciplined approach for reviewing business results against agreed-upon objectives • increased energy and enthusiasm; enhanced communications, coordination, and decision-making processes; and improved operations Get all the advantages of a professional consultant with the benefits of a mentor. The goal is to transfer knowledge and know-how to you and to your management team. The BDC consultant will act as an extension of your own team and: • review your current situation • identify your business strengths and weaknesses • develop appropriate strategies to respond to business opportunities and threats • identify the right organizational structure to help you achieve your goals • set up a management structure (advisory committee, board of directors) to provide ongoing, objective support • help decide on the resources you need to be successful, and develop an action plan • assist with specific challenges and issues related to finance, sales, marketing, operations, human resources, succession planning, etc. BDC also offers a free online service where people can **ask a professional** from BDC Consulting for advice on the month's topic.

		Questions and answers are posted online at the end of the month. You will be notified when yours are ready. People can ask questions to the "month's consultant" about the "month's topic". The consultants have experience with assisting businesses with business planning, financial planning and production planning. A person would just need to type in his/her e-mail address and type the question about what they would like to know about this month's topic. Topics include: starting a business, production planning, purchasing equipment, Financing commercial real estate, marketing, e-business, quality management (ISO), etc. **Source: Government of Canada**
Calgary Technologies Inc. [CTI] **Programs:** Calgary Innovation Centre Entrepreneur in Residence	**Users:** SMEs **Support areas:** • Coaching • Mentoring • Networking	Calgary Technologies Inc. (CTI) works with entrepreneurs to help them accelerate the success of their technology company, and looks for opportunities to help businesses make connections within the sector. CTI is a joint partnership with the City of Calgary, the Calgary Chamber of Commerce and the University of Calgary. CTI is a not-for-profit organization and offers a suite of programs, services and resources for business commercialization and incubation. The **Calgary Innovation Centre** is a unique mentoring service established to help early stage companies grow revenue, address immediate business problems, and understand which financing options are available to grow their business. This service is especially geared to small and medium sized businesses in the technology sector and designed to help entrepreneurs move through the typical stages of business growth. The Calgary Innovation Centre is a one-on-one flexible, ad hoc coaching and consulting service available at the request of entrepreneurs. Because the services are not part of a structured program, the Centre is able to provide advice and know-how to meet the immediate business needs of each individual entrepreneur. The services are available at no cost to entrepreneurs in the technology sector. The **Entrepreneur in Residence** is an experienced, successful technology entrepreneur with a proven track record of building and financing successful start-up companies. Part of the professional team at CTI, the Entrepreneur is on hand to share his expertise and provide real-world business advice to help small and medium sized technology companies grow. Through one-on-one coaching, the Entrepreneur in Residence consults with entrepreneurs on virtually any business topic depending on the client's individual needs.

		To access this exceptional service, simply call or e-mail the Entrepreneur in Residence to schedule an appointment. At the first meeting clients introduce their business and identify specific topics they wish to discuss. For maximum effectiveness, each meeting will typically address one topic. If clients need additional meetings, they are scheduled at least one week apart. There is no limit to how much coaching clients can receive provided both parties believe the sessions are productive. All information provided by the client will be kept confidential by the EIR and CTI. Areas of Expertise include: • Business plan development • Developing investor and customer presentations • Finance (sources of money, investors, friends & family, venture capital) • General start-up issues • Growth and expansion problems • Marketing (promotion, branding, differentiation) • Partnership matters • Sales (strategy, tactics, psychology) The services of the Entrepreneur in Residence are available free of charge to technology entrepreneurs in Calgary.
Canada Mortgage and Housing Corporation [CMHC] **Program:** External Research Program [ERP]	**Users:** Canadian citizens or permanent resident researchers **Support area:** Funding for research on topics related to housing	Canada Mortgage and Housing Corporation (CMHC) helps Canadians live in safe, secure homes. As the Government of Canada's national housing agency, CMHC plays a major role in Canada's housing industry. CMHC offers a delivery program, the **External Research Program (ERP)** that offers funding assistance to help Canadian researchers carry out research investigations on topics related to housing. The intent of the program is to encourage and draw out new ideas, innovative solutions, and better understanding of housing issues. ERP grants, which may be up to $25,000, are available for a limited number of research projects each year. Once the research studies are completed, CMHC will publish and disseminate the results through the Canadian Housing Information Centre. Recipients of ERP grants are selected on the basis of the merit and significance of their proposals by a national committee of housing

		experts. Committee representatives include experienced researchers and practitioners in government, academic institutions, housing related professions and businesses. Applicants must be Canadian citizens or have obtained permanent resident status in Canada. **Source: Government of Canada**
Canada Revenue Agency [CRA] **Program:** Scientific Research and Experimental Development Program [SR&ED]	**Users:** Businesses of all sizes **Support areas:** R&D	The **Scientific Research and Experimental Development Program (SR&ED)** is a federal tax incentive program 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 or processes. Projects that qualify for SR&ED tax credits include: • applied research • basic research • experimental development • support work in computer programming, data collection, design, engineering, mathematical analysis, operations research, psychological research, or testing The above projects qualify for SR&ED tax credits only if the work is commensurate with, and directly supports, the eligible experimental development, or applied or basic research. Eligible costs include: salaries, materials, machinery, equipment, some overhead, and SR&ED contracts. Non-refundable contributions including: investment tax credits (ITC) of 20percent or 35percent of eligible expenditures related to scientific research and experimental development. Generally, a Canadian-controlled private corporation (CCPC) can earn an investment tax credit (ITC) of 35percent up to the first $2 million of qualified expenditures for SR&ED carried out in Canada, and 20percent on any excess amount. Other Canadian corporations, proprietorships, partnerships, and trusts can earn an ITC of 20percent of qualified expenditures for SR&ED carried out in Canada. Generally, a CCPC with a taxable income in the immediately preceding year that does not exceed the business limit may receive a portion of the ITC earned as a refund, after applying these tax

		credits against taxes payable. The ITC earned by a Canadian corporation that is not a CCPC is non-refundable, but may be used to reduce any taxes payable. The ITC earned by a proprietorship or certain trusts may be partially refunded after applying these tax credits against taxes payable. **Source: Government of Canada**
Canadian Commercial Corporation [CCC]	**Users:** Canadian exporters **Support areas:** • Contract management for exportation • Contract negotiation • Proposal preparation	**Canadian Commercial Corporation (CCC)** specializes in international procurement markets for Canadian exporters and provides services to help them win export sales. CCC gives Canadian businesses access to international opportunities by facilitating trade with buyers in other countries—primarily in public-sector markets. CCC provides support on proposal preparation, contract negotiation, and contract management for export success. The Corporation networks, negotiates, and advises, and when they are involved in a deal, they strengthen the competitive position of Canada's exporters with a powerful Government guarantee of contract performance. It's an exceptional advantage that gives foreign buyers peace of mind, and gives Canadian businesses the confidence and credibility they need to succeed. **Source: Government of Canada**
Canadian Environmental Technology Advancement Corporation [CETAC-WEST]	**Users:** SMEs **Support areas:** • Coaching • Commercialization • Networking	**CETAC-WEST** is a private sector, not-for-profit corporation committed to helping small and medium-sized enterprises (SMEs) commercialize environmental technologies. Some services they provide include: Environmental Business Opportunity Evaluation and connections to investor networks. CETAC also offers financial services including connections to its extensive investor network and coaching to prepare and properly present your project opportunity to potential investors. CETAC can also identify suitable government grants, loans and tax incentives. Where appropriate, CETAC can assist SMEs to seek appropriate partnering and alliance opportunities and also facilitate technology demonstrations. **Source: Government of Canada**
Canadian International Development Agency [CIDA]	**Users:** Canada's voluntary organizations and private sectors that	The **Canadian International Development Agency (CIDA)** supports sustainable development in developing countries to reduce

	work in partnership with organizations in developing countries **Support areas:** Funding for sustainable development	poverty and contribute to a more secure, equitable, and prosperous world. Working with partners in the private and public sectors, and international organizations and agencies in Canada and developing countries, CIDA supports foreign aid projects in more than 100 of the poorest countries of the world. The objective is to work with developing countries and countries in transition to develop the tools they need to eventually meet their own needs. CIDA operates a number of funding programs. Via its multilateral programs, for example, CIDA funds various United Nations agencies. Through its geographic programs, CIDA can fund many programs and projects in several countries. CIDA can also directly support governments of developing countries. Through its Canadian Partnership programs, CIDA can support organizations in Canada's voluntary and private sectors. These sectors work in partnership with organizations in developing countries. They also have activities to raise public awareness or get people involved in Canada. **Source: Government of Canada**
CANMET Energy Technology Centre [CETC-Ottawa] **Program:** Bioenergy Development Program	**Users:** • Canadian-owned firms • Municipalities • Other federal, provincial or territorial agencies • Research institutes • Universities **Support areas:** • Commercialization • R&D	CETC-Ottawa is a branch of Natural Resources Canada that works with industry, trade and professional associations, utilities, universities, and other levels of government to develop and deploy leading-edge technologies in the areas of residential, commercial and industrial energy efficiency and alternative, renewable and transportation energy technologies. CETC-Ottawa provides leadership in its energy-related technology areas through its repayable and cost-shared contract funding programs. The following funding programs are wholly or in part administered by CETC-Ottawa's offices: • Bioenergy Development Program • Canadian Transportation Fuel Cell Alliance • Emerging Technologies • Industry Energy Research and Development Program • Hydrogen, Fuel Cells and Transportation Energy The **Bioenergy Development Program** is designed to assist Canadian industry in the research and development (R&D) and commercialization of bioenergy technologies that can serve as reliable, cost-effective and environmentally responsible alternatives to conventional energy production. The program is offered to Canadian-owned firms, other federal, provincial or territorial agencies, universities, municipalities or research institutes located in Canada, or individuals who can demonstrate the ability to advance the development of one of the bioenergy technologies identified

		above and ensure its commercialization. The Bioenergy Development Program provides assistance to clients through cost-shared R&D conducted both internally and externally. Clients may be requested to make royalty payments to the Crown upon successful commercialization of the technology. Program activities include participation in demonstration projects, feasibility studies, process analysis, verification, testing and improvement, standards development, technical and economic analysis, emissions reductions, modeling, conference and workshop support, information dissemination, IEA collaboration, and committees. The program is funded in part by the **Program on Energy Research and Development (PERD)**, and the **Technology Early Action Measures (TEAM)**. It is delivered by the CANMET Energy Technology Centre-Ottawa, a major research arm of the federal government of Canada. **Source: Government of Canada**
CANMET Energy Technology Centre [CETC-Ottawa] **Program:** Canadian Transportation Fuel Cell Alliance [CTFCA]	**Users:** • Federal and provincial governments • Industry • Municipalities • Non-government organizations • Universities **Support areas:** Showcasing	The **Canadian Transportation Fuel Cell Alliance (CTFCA)** is a $33 million federal government initiative that will demonstrate and evaluate fuelling options for fuel cell vehicles in Canada. Different combinations of fuels and fuelling systems will be demonstrated by 2008 - for light, medium and heavy duty vehicles. The initiative will also develop standards and training and testing procedures as related to fuel cell and hydrogen technologies. Funding for the initiative comes from Action Plan 2000, a package of activities to reduce greenhouse gas (GHG) emissions in Canada - it is a $500 million commitment on the part of the federal government. These measures are expected to take Canada one third of the way to achieving the GHG reduction target established in the Kyoto Protocol, which is to reduce GHG emissions by 2012 to 1990 levels. The Program focuses its efforts on showcasing refueling demonstration projects, evaluating different fuelling routes for Light, medium and heavy-duty fuel-cell vehicles, monitoring the resulting greenhouse gas emission reductions, and developing the necessary supporting framework for the fuelling infrastructure, including technical codes and standards, training, certification and safety. To successfully manage this ambitious project, Natural Resources Canada (NRCan) established a Core Committee, a Project Advisory

		Committee and five Working Groups. NRCan draws heavily on the vision and energy of about 50 key partners, ranging from industry, municipalities, non-government organizations, federal and provincial governments and universities. **Source: Government of Canada**
Department of Foreign Affairs and International Trade [DFAIT] **Program:** Going Global Science and Technology Program [S&T]	**Users:** Canadian researchers from: • Non-government research centres • Private companies • Universities **Support areas:** International R&D	The **Going Global Science and Technology (S&T) Program** is specifically designed to promote and enhance Canada's international science and technology efforts by supporting Canadian researchers in accessing international R&D collaborative opportunities through the development of partnerships with key players in other countries/economies. The program supports activities/projects that aim to build on targeted relationships between Canadian researchers and key players in other countries and allow them to proceed with the formal discussions required to initiate collaboration on future international research and development initiatives. The program funding is used for the face-to-face encounters needed to solidify the partnership and move it forward to the point where the researchers can begin the R&D phase of the initiative. These meetings may be used to formulate the partnership and conduct detailed planning of their collaborative R&D initiative. Eligible beneficiaries are Canadian researchers from private companies, universities and non-government research centres. The program provides assistance by contributing up to 50percent of eligible expenses (travel, meals, accommodation, incidentals and other non-research expenses). Applicants must request a minimum of $8,000 (equivalent to 50percent of total eligible project costs) from the Program in order for the proposal to be considered; and the maximum payable for an approved project is $50,000. **Source: Government of Canada**
EcoSmart™ Foundation Inc. **Program:** EcoSmart™ Concrete	**Users:** • Architects • Contractors • Developers • Engineers • Material suppliers	The EcoSmart Foundation is a Federal non-profit corporation that develops and manages activities and projects promoting technical solutions and innovations for a sustainable economy, including The EcoSmart™ Concrete project. EcoSmart™ Foundation Inc.'s purpose is to reduce the greenhouse gas (GHG) emissions associated with the production of Portland cement for use in concrete construction. Its main focus is on

	Support areas: Access to a technology tool	allowing the building industry to innovate and adopt new technologies that will contribute to the reduction of GHG emissions. EcoSmart links concrete suppliers, owners and developers, structural designers and concrete contractors to use EcoSmart concrete in construction projects.
Edmonton Research Park	**Users:** Research companies **Support areas:** Research	The **Edmonton Research Park** was designed to accommodate the smallest to the biggest research companies. Facilities include: • Advanced Technology Centre, an incubator for startup companies • Research Centre One, which provides flexible lab and production space for second-stage companies • Sites, which are available for larger companies to build their own research and development facilities The campus of Edmonton Research Park is designed to encourage intellectual excellence by providing a place geared for innovation and research. As the owner/operator of the park, the Edmonton Economic Development Corporation (EEDC) offers a range of services to encourage research-driven companies. It operates two buildings in the park designed to nurture research companies: the **Advanced Technology Centre** incubator and the **Research Centre One** for second-stage companies. EEDC also manages and maintains the 320-acre campus for a dozen building owners in the park and it makes land available for qualified companies planning to build research facilities. The **Biotechnology Business Development Centre (BBDC)** is a multi-tenant facility designed to help growing companies in the early stages of development access subsidized flexible lab space for the development of biotechnology products and services to unleash their innovative and commercial potential. Construction is slated to begin in the late spring of 2006. When completed in the summer of 2007, the Biotechnology Business Development Centre (BBDC) will offer more than 57,000 sq ft of cost-effective, customizable office and lab space and a 10,000 sq ft, fully equipped wet lab facility with level 2 GLP for only $20/sq ft gross.

		Another important benefit of being part of the Biotechnology Business Development Centre (BBDC) is the opportunity for collaboration with leading Biotech firms. Edmonton is home to more than 80 percent of Alberta's biotechnology companies and the BBDC will be built on land adjacent to the Alberta Research Council.
Environment Canada [EC] **Program:** Environmental Technology Advancement Program	**Users:** Upstream petroleum industry **Support areas:** Funds for Research and Development	A primary interest of Environment Canada is to encourage climate change solutions that include broader environmental benefits. It operates the following delivery program: **Environmental Technology Advancement Program.** The Program contributes to the development and application of science and technology for environmental protection. The **Oil, Gas, and Energy Branch** develops, promotes, and manages environmental research and development in the areas of oil and gas, industrial energy, electric power, and fuels. For example, research aimed at reducing or eliminating air emissions from the upstream petroleum industry, including pipelines, is supported through programs such as the **Program for Energy Research and Development (PERD)**. The branch funds research and development on topics such as the flaring of waste gases, carbon dioxide capture and storage, and contaminated soil and groundwater remediation. **Source: Government of Canada**
Environment Canada [EC] **Program:** EcoAction Community Funding Program	**Users:** • First Nations communities/organizations • Individuals • Not-for-profit organizations • Private companies • Universities and colleges **Support areas**: technology funding	The **EcoAction Community Funding Program** is an Environment Canada program that provides financial support to community groups for projects that have measurable, positive impacts on the environment. Project proposals should demonstrate support and involvement of community members. The overall fund size is approximately $5 million a year, and the maximum length of the funded projects is two years. EcoAction's TB submission is valid until 2008-2009. EcoAction encourages projects that protect, rehabilitate or enhance the natural environment, and build the capacity of communities to sustain these activities into the future. Priority for funding is given to projects that will achieve results in the following areas: Clean Air and Climate Change, Clean Water, and Nature. Funding is available for projects that: address Environment Canada's priority issues of Clean Air and Climate Change, Clean Water and/or

		Nature; provide opportunities for Canadians to take positive action at the community level; and encourage people to be more environmentally responsible. Funding is provided up to a maximum of $100,000; however, the average amount is $25,000. For every dollar received from the federal government (including EcoAction), at least the same amount must be received from non-federal government sponsors. This can include cash contributions and in-kind support. Submission deadlines to the Funding Program are February 1st and October 1st annually. **Source: Government of Canada**
Environmental Technology Verification Canada [ETV] **Program:** Environmental Technology Verification Program [ETV Program]	**Users:** • Environmental technology vendors • Equipment suppliers **Support areas:** • Benchmarking • International harmonization of protocols and methods • Technology verification	ETV Canada is the independent verification organization which manages Canada's **Environmental Technology Verification Program** under a license agreement with Environment Canada. ETV Canada offers a reliable assessment process for verifying the environmental performance claims associated with projects and programs, as well as technologies and technological processes. ETV verification provides the marketplace with the assurance that environmental performance claims are valid, credible and supported by quality independent test data and information. To make ETV Canada more relevant to stakeholders, a comprehensive three-part strategy for ETV Canada has been implemented consisting of: • Technology Verification (verifying the environmental performance of technologies) • Performance Benchmarking: (ensuring that technology performance is relevant to the marketplace) • International Harmonization of Protocols and Test Methods: (establishing relationships with other verification organizations around the globe) Technology vendors apply to the ETV Program for verification of the claims made concerning the environmental performance of their technologies. If the claim is verified successfully, the company is issued three documents: a Verification Certificate, a Technology Fact Sheet and a Final Verification Report. The graduate is also entitled to use the ETV logo (on the specified

		documentation) to market their technology in Canada and abroad. Suppliers of equipment-based environmental services (where performance can be verified) are also eligible to apply for verification. ETV Canada provides buyers with an assurance that a graduate vendor's claims regarding the environmental performance of their technology are valid, credible and supported by suitable demonstration test information. For a technology to be eligible for the ETV program, it must be either an environmental technology or process that offers an environmental benefit or addresses an environmental problem; or an equipment-based environmental service that can make claims based solely on measurable performance of the equipment. In addition to technology specific verifications, ETV Canada provides sector- and program-based performance benchmarking services. These services address the need to develop acceptable performance criteria which can be used to establish credible third-party verification of reported performance claims. To date, ETV Canada has managed the following performance benchmarking initiatives: • Bangladesh Arsenic Mitigation Program • Manure Management Technology Performance Verification Program • Mercury Amalgam Separation Technology Protocol Development ETV Canada is working closely with the Government of Canada to develop recognition agreements with other countries, improve verification methods and build on the established ETV Generic Verification Protocol. ETV harmonization is a multi-level cooperative initiative to help bring credible technologies that benefit the environment to the forefront by working with our ETV partners worldwide. ETV Canada can improve access to information on market opportunities while also facilitating a greater understanding of the needs of technology users. **Source: Government of Canada**

Environmental Technology Verification Canada [ETV] **Program:** Environmental Technology Development Assessment Program [ETDAP]	**Users:** • Environmental technology vendors • Equipment suppliers **Support areas:** • Market review • Technology assessment	The **Environmental Technology Development Assessment Program (ETDAP)** provides a market review and technical assessment of the technology. This may be desirable before submitting for the verification program. Analysis within these two fundamental areas enables the technology company to assess the direction of its research and development, thereby helping the company innovate more efficiently and effectively. The approach taken in analyzing each of these two areas is as follows: **1. Market Review and Application** - The performance requirements to meet existing or anticipated regulations and any industry standards are determined. If no existing regulatory regime is in place, client expectations for performance are determined. Alternatively, an assessment of competitive technology performance may be made using another acceptable method. **2. Technology Assessment** - The critical, quantitative performance characteristics needed for technology commercialization success are identified, and the performance of the proponent is assessed. Appropriate verifiable environmental performance criteria are determined with the technology proponent. ETV Canada provides the proponent with a report on the candidate technology incorporating the market review and technical assessment, as well as an estimate of the cost and time required to achieve ETV verification. The cost for an ETDAP report is $5,000-7,000 per technology. This amount also covers the formal verification application fee of $1,000 should the technology company decide to proceed with environmental performance verification under the ETV Canada Program. **Source: Government of Canada**
Export Development Canada [EDC]	**Users:** Canadian SMEs involved in export trade **Support areas:** • Export credit insurance • Risk mitigation services • Trade finance	**Export Development Canada (EDC)** is a Crown Corporation that provides financing and risk management services to Canadian exporters and investors in up to 200 markets worldwide. Approximately 90 percent of EDC's customers are small and medium-sized businesses. Canadian companies utilize EDC services in virtually every world market; however those services can be particularly effective in facilitating trade and investment in emerging markets that are opportunity rich but can also pose increased levels

		of risk. EDC is financially self-sufficient and operates on commercial principles. EDC's mandate is to support and develop Canada's export trade and Canadian capacity to engage in that trade and to respond to international business opportunities. To fulfill its mandate, EDC provides trade finance and risk mitigation services to Canadian companies involved in export trade. EDC provides export credit insurance to protect against uncontrollable events such as a buyer refusing to pay. This insurance is often used by Canadian companies to acquire working capital from their banks—because the bank is confident the exporter will collect payment from either the buyer or EDC. EDC operates like a business, collecting interest on loans and premiums for its insurance. This allows EDC to be financially self-sufficient. **Source: Government of Canada**
Federation of Canadian Municipalities [FCM] **Program:** Green Municipal Fund [GMF]	**Users:** Canadian municipalities, or their private or public partners **Support areas:** R&D	The **Green Municipal Fund (GMF)** operates at arms-length from the federal government, and supports municipal governments, and their partners, to improve to quality of the air, water and soil, and reduce greenhouse gas emissions. GMF supports a range of activities related to municipal environmental projects, from the early stages of project design unto and including the physical implementation of capital projects. GMF offers grant funding for feasibility studies, field tests, and sustainable community plans; and loan and grant funding for capital projects through a competitive Request for Proposals (RFP) process (in energy, waste, brownfield remediation, water, and transportation funding categories). The Government of Canada has endowed the Federation of Canadian Municipalities with $550 million to establish and manage the Green Municipal Fund (GMF). The 2005 federal budget added $300 million to the existing $250 million fund, of which $150 million is earmarked for brownfield redevelopment. The GMF's Sustainable Community Planning category provides grants of up to $350,000 towards up to half the cost of developing local action plans and sustainable community plans.

Government of Canada [GoC] **Program:** Technology Early Action Measures [TEAM]	**Users:** Projects approved under a delivery program which has the potential to contribute significant GHG reductions **Support areas:** Project funding contributions	**Technology Early Action Measures (TEAM)** is an interdepartmental technology investment program. TEAM supports projects that are designed to demonstrate technologies that mitigate greenhouse gas (GHG) emissions nationally and internationally, and that sustain economic and social development. TEAM operates under the leadership of Natural Resources Canada, Environment Canada, and Industry Canada, with the participation of several other federal government departments and agencies that provide TEAM delivery programs. Projects that are eligible for TEAM support must be approved through one of the TEAM Delivery Programs. Partners include large and small companies in Canada and around the world, provincial and municipal agencies, and foreign government organizations. TEAM provides support in five major priority areas: Cleaner fossil fuels; Energy-efficiency technology; Biotechnology; Hydrogen economy; and Decentralized energy production. There are many federal government technology advancement programs (Delivery Programs) that focus on different areas of technological innovation. If a project that is approved under a delivery program has the potential to contribute significant GHG reductions, the program can recommend the project to TEAM. If approved, TEAM may contribute up to 75 percent of the total amount of federal government funding contributions to the project – the delivery programs would provide additional financing and management resources. Several federal government departments and agencies operate delivery programs that recommend projects for TEAM funding, including: • Agriculture and Agri-Food Canada • Canadian International Development Agency (CIDA) • Canada Mortgage and Housing Corporation • Environment Canada • Industry Canada • National Research Council (NRC) • Natural Resources Canada (NRCan) • Regional Development Agencies • Transport Canada **Source: Government of Canada**

Government of Canada [GoC] **Program:** Chemical, Biological, Radiological, Nuclear or Explosive Research and Technology Initiative [CRTI]	**Users:** • Federal government • Individuals • Municipal government • Private companies • Provincial/territorial government • Universities and colleges **Support area:** Funding for: • Research and technology development • Technology acceleration and demonstration	The mission of the **Chemical, Biological, Radiological, Nuclear or Explosive Research and technology Initiative [CRTI]** is to strengthen Canada's preparedness, prevention and response to a chemical, biological, radiological, nuclear or explosive terrorist attack through science and technology. Overall fund size: $175 million; and $35 million per year from 2002/2003 to 2006/2007. Target technology areas include: • Collective Command, Control, Communications, Coordination and Information (C4I) Capabilities for CBRN Planning and Response • Criminal Investigation Capabilities Lab Cluster Management and Operations • Immediate Reaction and Near-Term Consequence Management Capabilities • Longer-Term Consequence Management Capabilities • Public Confidence and Psycho-Social Factors • Science and Technology in support of Equipping and Training First Responders Prevention, Surveillance and Alert Capabilities • Scientific and Technological Dimensions of Risk Assessment Eligible activities include: • Research and Technology Development Projects • Technology Accelerations Projects • Technology Demonstrations Projects Example technologies projects and capabilities of interest include but are not limited to: • Containment/countermeasures/decontamination and restoration technologies development and demonstration on buildings; structures and the environment • Information system development and demonstration related

		to CBRN threats Funding limits: Up to two-thirds (67percent) of total costs of any projects. Project partners will provide the remaining funds (33percent) through in-kind effort or direct financial support to the project. Maximum of $10 million/project. **Source: Government of Canada**
Industry Canada **Programs:** Environmental Affairs Sustainable Cities Initiative Technology Partnerships Canada [TPC]	**Users:** Industry **Support areas:** • Funding support for R&D, and demonstration • Investment attraction • Trade promotion	Through its programs and services, Industry Canada helps to build a dynamic and innovative economy where all Canadians have the opportunity to benefit from more and better-paying jobs, stronger business growth, and a marketplace that is fair, efficient, and competitive. Industry Canada promotes the growth and increased competitiveness of the Canadian environment industry. Industry Canada operates the following delivery programs: **Environmental Affairs; Sustainable Cities Initiative and Technology Partnerships Canada (TPC).** Canadian industries take the lead in bringing innovation forward to the marketplace. **Technology Partnerships Canada (TPC)** provides funding support for strategic research and development, and demonstration projects that will produce economic, social and environmental benefits to Canadians. Technology Partnerships Canada acts as a catalyst, investing strategically to accelerate the successful development of key technologies that will benefit Canadians in their everyday lives. **Environmental Affairs** offers information on the Canadian environment industry and highlights the efforts of the Government of Canada and its partners to promote the growth and increased competitiveness of the Canadian environment industry. The **Sustainable Cities Initiative** is a Canadian partnership initiative aimed at enhancing the sustainability of economic development in cities, and helping citizens in improving their quality of life without compromising their future. An innovative partnership between the Government of Canada, non-government organizations, and the private sector to pursue sustainable economic development, the Sustainable Cities Initiative, main areas of focus include clean water, waste management, clean energy, transportation, housing, capacity-building, urban planning, telecommunications, urban infrastructure projects, and port development. **Source: Government of Canada**

Industry Canada **Programs:** Canada Small Business Financing Program [CSBF] Capital Leasing Pilot Project [CLPP]	**Users:** Canadian SMEs **Support areas:** Loans and capital leases for establishing, expanding, modernizing and improving small businesses	The **Canada Small Business Financing (CSBF) Program** seeks to increase the availability of loans for establishing, expanding, modernizing and improving small businesses. While Industry Canada is responsible for the administration of the CSBF Program, financial institutions are responsible for all credit decisions and for making the loans. Today the Program continues to help Canadian small firms get business improvement loans and also helps them access financing to lease new or used equipment under the five-year **Capital Leasing Pilot Project (CLPP)**. The CSBF Program seeks to increase the availability of loans and capital leases for establishing, expanding, modernizing and improving small businesses. It does this by encouraging financial institutions and leasing companies to make their services available to small businesses. Under the Program, a small business must apply for a loan or lease to the financial institution (bank, credit union or caisse populaire) or the participating leasing company of its choice. If the application is granted, the federal government will guarantee 85 percent of the lender's losses in the event of default. Most small businesses starting up or operating in Canada are eligible for CSBF loans and leases, as long as their estimated gross revenues do not exceed $5 million during the fiscal year in which they apply. Sole proprietorships, partnerships and incorporated companies all qualify. Not eligible are farming and charitable or religious enterprises. Commercial term loans can finance up to 90 percent of the cost of the purchase or improvement of real property and immovable; the purchase of leasehold improvements, or improvements to leased property; and the purchase or improvement of new or used equipment. **Capital leases** (containing an option to purchase) can finance the cost of various types of new and used equipment, including: vehicles; hotel and restaurant equipment; medical and health services equipment; computer hardware and software; telecommunications equipment; and manufacturing equipment. The maximum amount a small business can access under the Program is $250 000. This is the combined total it is allowed for all its CSBF loans and capital leases, including any loans under the earlier Small Business Loans Program**.**

		Interest rates on loans may be either floating or fixed. The floating rate cannot be more than 3 percent higher than a lender's prime lending rate. Fixed rates cannot be more than 3 percent higher than the lender's residential mortgage rate for the term of the loan. Lease payments include an interest rate of up to 13.25 percent plus the Government of Canada bond rate for the term of the lease. The interest rates include a 1.25 percent administration fee. In addition, at the time of registration all participants must pay a 2 percent registration fee. The fees cover the costs of the CSBF Program, which is self-financing. All loans and leases must be paid in full within 10 years. The **Capital Leasing Pilot Project (CLPP)** is designed to build on the success of the Canada Small Business Financing Program, which is one of the federal government's most important programs to help small and medium-sized enterprises (SMEs) access financing. Industry Canada administers CLPP through participating lessors who are responsible for making, registering, and administering leases with Industry Canada. For a lease application under the CLPP of Industry Canada, small businesses should communicate directly with participating lessors. The following are the participating lessors under the CLPP: • Brome Financial Corporation Inc • City National Leasing (Division of City Buick Pontiac Cadillac Ltd.) • CLE Leasing • Equirex Leasing Corp. • Jim Peplinski's Leasemaster National • Landmark Vehicle Leasing • Nexcap Finance Corporation • Stampede Toyota & Leasing Ltd. • Vernon & District Credit Union • Wells Fargo Equipment Finance Company **Source: Government of Canada**
Industry Canada **Program:** Canadian Environmental Solutions [CES]	**Users:** • Canada's Trade Commissioners • Industry Canada • Foreign buyers	The **Canadian Environmental Solutions (CES)** is an online searchable database/directory that includes more than 1,600 export and export-ready Canadian environmental companies. This free of charge directory is intended for Canadian providers of environmental goods and/or services who are active or are looking to expand their business into international markets as well as for local and international end-users/buyers of such goods and services.

	• Government agencies • Other international organizations • Trade Team Canada Environment **Support areas:** Environmental Business directory	This valuable public resource is used extensively by Industry Canada, Canada's Trade Commissioners, Trade Team Canada Environment, foreign buyers, government agencies and other international organizations in Canada, the United States and abroad to find Canadian environmental firms capable of servicing the needs of the global market. CES is being promoted at major national and international events related to environmental issues such as the United Nations Climate Change 11th Conference of the Parties (COP11); Globe 2006, Americana 2007, and other sector specific events. **Source: Government of Canada**
Industry Canada **Program:** Trade Team Canada Environment	**Users:** Environmental companies **Support areas:** Promoting Canadian Environmental Solutions Abroad	Looking for export development services specific to the environment industry? Get connected to **Trade Team Canada Environment**, part of the Team Canada Inc. network. This team brings government and industry together to plan trade promotion activities that can make your company a winner in global markets. The services provided in both domestic activities and business development missions abroad include: • market intelligence • onsite briefings and tailored business programs • technical seminars and showcasing opportunities • networking opportunities with foreign buyers and decision makers • site visits both abroad and for incoming delegations Trade Team Canada Environment provides you with trade development tools which allow you to gain access to valuable market information, learn more about services provided to exporters, explore business opportunities available abroad and get connected to relevant and up-to-date news sources. Trade development tools include: business opportunities, export advice, Federal trade links, financing, market information, provincial trade links, national/industry associations and advice on where to register for the latest news and information. **Source: Government of Canada**
Infrastructure Canada **Program**: Infrastructure Canada Program [ICP]	**Users:** • Individuals • Municipal government	The **Infrastructure Canada Program (ICP)** is now in a wrap-up stage. The Program was created to enhance municipal infrastructure and has funded more than 3,500 urban and rural projects over the past 6 years. In Budget 2006, the Government of Canada committed almost $8 billion in new infrastructure funding. This commitment was reaffirmed on November 23, 2006 in the

	• Private companies • Provincial/territorial government **Support areas:** Funding	Government's Economic and Fiscal Update. Overall fund size is $2.05 billion, & fund duration is: October 2000 to March 31, 2009. Fifty percent of funding under ICP, on a national basis, was targeted toward "green infrastructure" projects. Priority projects for green infrastructure are: water and wastewater systems; water management; solid waste management and recycling; and energy efficiency in local government buildings. Other program priorities include local transportation, roads and bridges, affordable housing, telecommunications and tourist, cultural and recreational facilities. On average, the federal government contributes one-third of the cost of municipal infrastructure projects. The provincial and municipal governments contribute the remaining funds and, in some instances, there may be private sector investment as well. **Source: Government of Canada**
Infrastructure Canada **Program:** Canada Small Business Financing Program	**Users:** Small private companies or individuals **Support areas:** Financing for establishing, expanding, modernizing and improving small businesses	The **Canada Small Business Financing Program** seeks to increase the availability of loans and capital leases for establishing, expanding, modernizing and improving small businesses. It does this by encouraging financial institutions and leasing companies to make their financing available to small businesses. Under the program, a small business must apply for a loan or lease at a financial institution (bank, credit union or caisse populaire) or a participating leasing company of its choice. If the loan or lease is granted by the financial institution or the leasing company, the federal government will reimburse 85 percent of the lender's or lessor's losses in the event of default. Eligible activities: most small businesses starting up or operating in Canada - excluding farming, charitable and religious enterprises - with an estimated annual gross revenues of $5 million or less. Funding limits: A maximum of $250,000 for the purchase or improvement of real property or immovable, equipment or for the purchase of leasehold improvements. Eligible costs: Loan proceeds may be used to finance up to 90 percent of the cost of the asset, including non-refundable taxes and duties. Loan terms: Maximum 10 years from the date the loan agreement was entered into. **Source: Government of Canada**

Infrastructure Canada **Program:** Canada Strategic Infrastructure Fund [CSIF]	**Users:** • Individuals • Municipal government • Not-for-profit organizations • Private companies • Provincial/territorial government **Support areas:** Funding	Through the $4 billion **Canada Strategic Infrastructure Fund**, 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; and promoting economic activity, including tourism. CSIF also promotes the use of innovative technologies and practices to minimize greenhouse gas emissions. Fund duration: 2001 through March 31, 2013. In Budget 2006, the Government of Canada committed almost $8 billion in new infrastructure funding. This commitment was reaffirmed on November 23, 2006, in the Government's Economic and Fiscal Update. The program provides funding in five categories of infrastructure that are vital to advancing Canada's social and economic objectives: • Broadband • Highway Infrastructure • Local Transportation Infrastructure • Tourism or Urban Development Infrastructure • Water or Sewage Infrastructure Investments are strategically targeted to help promote sustainable growth and competitive communities by ensuring that investments reflect Government of Canada objectives on climate change, urban development, clean water, trade and innovation. The fund will continue to target large-scale projects, with key Government of Canada priorities guiding project eligibility. **Source: Government of Canada**
Infrastructure Canada **Program:** Municipal Rural Infrastructure Fund [MRIF]	**Users:** • Individuals • Municipal governments • Not-for-profit organizations • Provincial/territorial governments	The $1 billion **Municipal Rural Infrastructure Fund** helps support local infrastructure projects such as water and wastewater treatment, and cultural and recreation projects, particularly for smaller communities. In Budget 2006, the Government of Canada committed almost $8 billion in new infrastructure funding. This commitment was reaffirmed on November 23, 2006, in the Government's Economic and Fiscal Update. Overall fund size: $1 billion. Fund duration: 2004 through March 31, 2011. Sixty percent of funding under MRIF, on a national basis, is targeted

	• Private companies **Support areas:** Funding for green infrastructure projects	towards "green infrastructure" projects. Priority projects for green infrastructure are: drinking water, wastewater, solid waste management and recycling, and energy efficiency in local municipal buildings. Other program priorities include transit, roads and bridges, tourist, cultural and recreational facilities and broadband connectivity. Agreements have been signed with every province and territory and funding is flowing to various municipalities and communities across the country. 80 percent of MRIF funding is dedicated to municipalities with a population of less than 250,000. In total across Canada, a minimum of 60 percent of funding under the MRIF targets "green infrastructure," which includes drinking water, wastewater, solid waste, municipal energy improvements, and public transit. On average, the federal government contributes one-third of the cost of municipal infrastructure projects. The provincial/territorial and municipal governments contribute the remaining funds and, in some instances, there may be private sector investment as well. **Source: Government of Canada**
Foreign Affairs & International Trade Canada [DFAIT] **ExportSource.ca** **Programs:** Export Diagnostic Export Training Programs Guides and Tools Roadmap to Exporting Services for Business Guides TradeMap/ Product Map Canada Virtual trade Commissioner	**Users:** SMEs with and without exporting experience **Support areas:** Guidelines and access to information	Foreign Affairs and International Trade Canada [DFAIT] offers several programs and tools to SMEs interested in developing businesses overseas. It offers the following key resources: Export Diagnostic, Export Training, Guides and Tools, Roadmap to Exporting, Services for Business Guides, TradeMap and Virtual trade Commissioner. **1. Roadmap to Exporting** Team Canada Inc. (TCI) prepared this resource guide to help potential and experienced Canadian exporters with all aspects of international trade. It provides resources and contact information to help businesses with export counseling; marketing strategy information; market entry support; export financing; and in-market assistance. It provides resources and contact information to help businesses with export counseling; marketing strategy information; market entry support; export financing; and in-market assistance. **2. Export Diagnostic** The Export Diagnostic will help to evaluate your export readiness and will provide useful feedback on areas for potential improvement.

		The online Diagnostic takes 30 - 60 minutes to complete. You can answer some of the questions, save your answers and then return later to complete it. Once you've completed the Diagnostic, you can also try changing answers to run "what if" scenarios. **3. Export training Programs** A) Interactive Export Tutorial. This interactive online version of the popular Step-by-Step Guide to Exporting is designed to help you understand the process of putting your company on the international stage. It was created especially for small- and medium-sized Canadian enterprises that are considering their first venture into the export market. B) Going Global Workshops. In partnership with Team Canada Inc and Vubiz, FITT presents our Going Global Workshops ONLINE. C) Canada-United States Relations. D) Forum for International Trade Training (FITT). FITT is Canada's centre for international trade training and certification. FITT programs are delivered across Canada through community colleges, universities, private organizations, and online. FITT is the only organization in Canada to accredit a professional designation to international trade practitioners, the C.I.T.P. (Certified International Trade Professional). Take the next step in pursuing your career goals and get FITT for global trade. E) ExportUSA. ExportUSA consists of three programs: NEBS, EXTUS and Reverse NEBS, which, through the efforts of Team Canada Inc partners, support the government's initiative to increase the number of active exporters to the United States. Since 1984 over 21,000 Canadian companies have participated in these export programs. F) Making Trade Shows Work. Participation in shows can give your organization an edge if executed properly. Join over 15,000 companies who have participated in Barry Siskind's highly acclaimed workshop over the past 12 years and get the show results you really deserve. G) Canadian International Freight Forwarders Association professional development programs. CIFFA provides high quality, industry-related, and relevant education and training programs. H) Training Workshops at the World Trade Centre Montréal. To

		increase your chances of success on foreign markets, to improve your business practices, to enhance your competitive stance and advance your knowledge of international trade, the WTC Montréal offers an annual calendar of more than 60 training workshops in international trade divided into 6 theme-based modules. **4. Export Guides and Tools** A) Elsewhere on ExportSource. Team Canada Inc (TCI) develops export guides and tools to help you at various stages of exporting. B) Exporting to the United States. No matter whether you're an aspiring, new or established exporter to the United States, this guide will provide you with practical information that will make your export business to the U.S. easier to start, maintain, and expand. C) Planning a Business Trip Abroad. This publication is designed to help small- and medium-sized enterprises (SMEs): define their business travel objectives; explore sources of financial assistance for international business travel; make all preparations necessary for a successful trip; and follow up on a business trip abroad. D) Preparing for the Visit of a Foreign Buyer. This guide is designed to assist small and medium-sized Canadian companies in preparing to host visiting customers and potential customers, whether on their own premises, or at a domestic trade show. E) Responding to Unsolicited Orders. A guide that helps small businesses to respond to unexpected inquiries from abroad. F) Speaking Globally: An Exporter's Guide to Effective Presentations. A guide that provides step-by-step information for creating effective international presentations and understanding the cultural challenges of presenting your product or service internationally. G) Step-by-Step Guide to Exporting. This guide is the principal export preparation manual for small and medium-sized enterprises (SMEs) preparing to export. H) Guide to International Development Project Bidding. A comprehensive, practical roadmap to pursuing international development business opportunities in projects funded by Multilateral Development Banks (MDBs), United Nations agencies, the Canadian International Development Agency (CIDA), foreign bilateral development agencies, and other international development

		funding sources. I) Interactive TradeMap Canada Tutorial. This interactive tutorial will get you up to speed on one of Canada's most powerful trade databases; TradeMap Canada. J) TradeShowSearch. Start here to locate sources of trade show information around the world. Simply select your industry and country or region of interest. We'll link you up with hundreds of trade show information sources and sites from around the world. **5. TradeMap / Product Map Canada** TradeMap Canada is an innovative tool created by the International Trade Centre (UNCTAD/WTO) in Geneva to allow exporters and trade professionals to easily access key international trade data. Team Canada Inc is pleased to provide this service to Canadians. A TradeMap registration also provides free access to Product Map, another tool for analyzing international trade data. Product Map gathers information for 72 industries that can be used to assess global market trends, identify opportunities in product categories and network internationally. **6. Your Guide to Services for Business** These guides feature selected programs and services that the Government of Canada offers to small and medium-sized businesses (including aboriginal entrepreneurs) in all regions in Canada. **7. Virtual Trade Commissioner** The Virtual Trade Commissioner is a free service to your personal gateway to the Canadian Trade Commissioner Service. By registering, you can receive: market and sector specific information; business leads and news; on-line service delivery; and information about your company available to Trade Commissioners abroad. **Source: Government of Canada**
National Research Council [NRC] **Program:** Industrial Research Assistance Program [IRAP]	**Users:** Incorporated SMEs with fewer than 500 employees **Support areas:** R&D	The **Industrial Research Assistance Program (IRAP)** offers research and development (R&D) and pre-commercialization support to incorporated SMEs with fewer than 500 employees. IRAP's main objective is to support basic research, applied research, conceptual research, experimental development, technological development or product development up to validation of the technical design.

		Eligible projects are those that include acquisition of new technical skills, adapting existing technologies, identifiable commercial benefit, increased capacity for innovation, technical feasibility studies, R & D projects, novelty/innovation, technical risks and challenges. Eligible costs (funded) include direct payroll costs and service fees for subcontractors and consultants. The project provides non-repayable contributions to SMEs including a maximum of 50percent of total eligible cost with a limit of $ 350,000. Maximum project duration is 36 months and the company contribution is a minimum of 25 percent of total project cost. IRAP provides access to technology and expert business advice, financial assistance, access to business information, contacts, and national and international networks. **Source: Government of Canada**
National Research Council [NRC] **Program:** Canadian Technology Network [CTN]	**Users:** SMEs **Support areas:** Advisory service and Networking	The **Canadian Technology Network (CTN)** links federal and provincial government labs and agencies, universities, community colleges, industry associations, technology centres and economic development agencies. Together these organizations provide innovative Canadian companies with quick and personal access to expertise, advice and information about how to meet technology and related business challenges. The CTN can give **SMEs** access to a wide range of technology and related business assistance through a cross-country network of advisory and affiliate members. The Canadian Technology Network is an initiative of the National Research Council of Canada's Industrial Research Assistance Program (IRAP). IRAP is committed to assisting the CTN as a key facilitator of exchanges and collaborative agreements among the major players in the Canadian Innovation System. By building a nation-wide network of collaborative partnerships with the support of more than 260 IRAP Industrial Technical Advisors, IRAP provides innovative small and medium-sized Canadian enterprises with industrial and financial advice and support. A **CTN Advisory Member** is the first point of contact for SMEs. Each Advisory Member provides a Network Advisor who is prepared to work with you to help identify your needs and find solutions to your technology and related business challenges. The Network Advisor acts as a pathfinder, defining needs and identifying potential sources of assistance both from the network of CTN Affiliate

		Members and elsewhere. A **CTN Affiliate Member** is a selected organization that offers complementary services in specific areas of expertise in technology and related business. CTN Affiliate Members cover a wide spectrum of services that keep growing as new needs are identified and more members join in to serve SMEs. As appropriate, Affiliate Members may negotiate a fee for their services directly with SMEs. **Source: Government of Canada**
National Research Council [NRC] **Program:** Emerging Technologies Program [ETP]	**Users:** • Canadian-owned firms • Individuals • Other federal, provincial or territorial agencies, universities, municipalities or research institutes located in Canada **Support areas:** Funding	The **Emerging Technologies Program (ETP)** is administered by the Industry Group of CETC-Ottawa. It identifies and develops emerging energy efficiency technologies that have significant potential for energy use reduction, improved manufacturing competitiveness, and reduced environmental impact, in Canada. It provides up to 50 percent funding assistance. The activities are developed cooperatively, and are co-managed and cost shared with industry and other stakeholders, such as gas and electric utilities, other governments, and equipment manufacturers. CETC's contributions are repayable from revenues or cost savings realized from successful projects. There are four components to the program: **Sector Studies, Technology Assessments, Follow-On R&D Activities** and **Field Trials**. ETP supports the development and implementation of technological solutions that contribute to a cleaner environment, improved energy efficiency and productivity, higher quality products, reduced waste, and a stronger market position for Canadian companies. In particular, the program focuses on energy-efficient technologies that offer the highest rate of return on R&D investment for Canada's industrial sector. Industry sets the strategic direction and ETP provides coordination, bringing together interested companies and industrial stakeholders. Activities are developed, managed and funded in cooperation with industry and other partners, including gas and electric utilities, other levels of government, and equipment manufacturers. **Source: Government of Canada**
National Research Council [NRC] **Program:** Technology Inflow Program [TIP]	**Users:** SMEs **Support areas:** R&D	The **Technology Inflow Program (TIP)** has a domestic and international component and is designed to assist Canadian SMEs access Canadian or foreign technology and to help develop R&D partnerships. The program targets all technology areas. It supports activities related to the partnering or acquisition of foreign technology. Funding is based on cost-sharing principles and covers

		costs. Support for specific TIP projects will not normally exceed $10,000. TIP funding covers costs associated with technical staff time for domestic/international activities. TIP helps acquire technology by offering information and advice on Canadian sources, technology licensing and strategic partnerships, and visitor services through its specialized advisory services; and by providing modest financial support for certain eligible activities related to the partnering or acquisition of this foreign technology. The domestic version of the program assists Canadian SMEs access Canadian technology not locally available. These services are provided locally to the SMEs through IRAP's Industrial Technology Advisors (ITA's). **Source: Government of Canada**
National Research Council [NRC] **Program:** Institute for Chemical Process and Environmental Technology [ICPET]	**Users:** Chemistry intensive industry **Support areas:** • Research development • Technology commercialization	The **Institute for Chemical Process and Environmental Technology (ICPET)** is one of 18 NRC research institutes across Canada. With its partners, NRC-ICPET contributes to increasing the competitiveness of Canada's chemistry intensive industries through research into innovative processes and technologies that enable sustainable development. Chemistry intensive industries are those where chemistry is a central component of the value-added transformation of materials. ICPET's chemical science and engineering capabilities contribute significantly to NRC research, development and technology commercialization while supporting environmentally responsible manufacturing within three areas of application that are economically and socially important to Canada: Bioproducts, Fuel Cells and Oil Sands. The Institute's core competency focuses on multiphase reactive systems within a sustainability framework. This includes scientific and technical expertise in: Computer Modeling: including computational fluid dynamics (CFD), life cycle and sustainability analyses and molecular modeling; Material Sciences: including polymers, ceramics, colloids and nanostructured materials; and Process technologies: involving electrochemistry, separations, interfacial and particulate technology and combustion science. ICPET, along with other NRC research institutes and centres, is contributing its core competencies and establishing specific programs that will develop and deploy technologies targeted to these initiatives: fuel cells, life sciences, nanotechnology, and the **Environmental Management Research Laboratory Network**

		(**EMRLnet)**. **Source: Government of Canada**
Natural Resources Canada (NRCan) - Office of Energy Efficiency [OEE] **Program**: Industrial Energy Innovators	**Users:** Companies involved in: • Manufacturing • Mining • Upstream oil and gas activities **Support areas:** • Access to information and NRCan industry officers • Financial incentives • R&D support • Workshop discounts	The **Industrial Energy Innovators** initiative is part of the Canadian Industry Program for Energy Conservation (CIPEC), a joint industry-government program sponsored by Natural Resources Canada's (NRCan's) Office of Energy Efficiency (OEE). Today, more than 1,000 facilities from a wide range of industrial sectors have registered their commitment to energy-saving improvements with CIPEC. This includes companies involved in manufacturing, mining and upstream oil and gas activities. As an Industrial Energy Innovator, your company will enjoy the following benefits: financial incentives; eligibility for a Government of Canada incentive of up to $5,000 for an energy audit of your facility; discounts for NRCan's Dollars to $ense Energy Management workshops; and customized on-site workshops; a wealth of information at your fingertips and access to NRCan industry officers to help you find what you are looking for, whether it's information on energy-related incentive programs, support for research and development, technical guidebooks or case studies. CIPEC's Secretariat provides support to Industrial Energy Innovator companies and works with CIPEC task forces to organize meetings, benchmark energy intensity in various sectors, develop energy efficiency guidebooks and deliver workshops; and recognition for corporate responsibility. To register, you just need to submit a letter (on a template provided by NRCan) to the Canadian Industry Program for Energy Conservation (CIPEC) confirming your company's intention to implement energy-efficient measures and to report on its progress. When you submit your letter to CIPEC you are making a public commitment to establish energy efficiency targets, quantify base-year energy consumption and GHG emissions, and report annually on energy-efficient measures implemented and results achieved by your company. **Source: Government of Canada**

Natural Resources Canada [NRCan] **Program:** ecoEnergy Technology Initiative • news release	**Users:** Industry **Support Areas:** Technology Research, development & demonstration	On January 17, 2007, the Minister of Natural Resources and the Minister of the Environment, announced the **ecoEnergy Technology Initiative**—a $230-million investment in the research, development and demonstration of clean-energy technologies. The new Initiative is a focused, integrated approach built on key priorities that include carbon dioxide sequestration, clean coal, clean oil sands production and renewable energy. Priorities will be further developed with provinces and industry partners through consultations. Projects under the ecoEnergy Technology Initiative will be expected to lead to significantly reduced emissions of particulates, gaseous pollutants, toxic substances and greenhouse gases from the production and use of energy. Most of the projects will be carried out by public–private partnerships. Additional program details are being developed and will be available in April 2007. **Source: Government of Canada**
Natural Resources Canada (NRCan) - Office of Energy Efficiency [OEE] **Programs**: OEE Programs and Incentives **Building and Construction** ecoENERGY Efficiency – Regulations ecoENERGY for Existing Buildings and Houses ecoENERGY for New Buildings and Houses ecoENERGY Retrofit program EnerGuide for Equipment ENERGY STAR® Symbol Federal Buildings Initiative **Industry**	**Users:** Canadian: • SMEs • Individuals • Industry • Public institutions **Support areas:** • Grants and incentives	The Office of Energy Efficiency (OEE) advocates sound energy conservation and management in every sector of the Canadian economy. Through the **ecoENERGY Efficiency Initiative**, the OEE offers the following programs and incentives: • ecoENERGY Retrofit • ecoENERGY for Buildings and Houses • ecoENERGY Efficiency – Regulations • ecoENERGY for Industry • ecoENERGY for Personal Vehicles • ecoENERGY for Fleets and Transportation (manufacturers, federal and alternative fuels). The **ecoENERGY Retrofit** program provides 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. **ecoENERGY for Buildings and Houses** (Commercial and Institutional buildings). This program encourages owners of

Canadian Industry Program for Energy Conservation [CIPEC] ecoENERGY Assessment Incentive for Industry **Transportation** Alternative Fuels ecoAUTO Rebate Program Energy for Fleets ecoENERGY for Personal Vehicles ▪ Buying a Fuel-Efficient Vehicle ▪ Fuel-Efficient Driving ▪ Vehicle Maintenance Excise Tax on Fuel Inefficient Vehicles Federal Vehicles Initiative Motor Vehicle Fuel Efficiency Initiative **Utilities** ecoENERGY for Renewable Power ecoENERGY for Renewable Heat Process Integration [PI] Study Incentive		workplaces and living spaces to take steps to improve energy efficiency in: • existing buildings that they own, or • in new buildings they plan to construct. For buildings owned by the Government of Canada, the **Federal Buildings Initiative** is a proven, turn-key solution that enables federal departments and agencies to retrofit their buildings without necessarily using their own capital funds. **ecoENERGY Efficiency – Regulations** The OEE is working to improve the energy efficiency of consumer products and equipment in Canada by amending Canada's Energy Efficiency Regulations. **Energy-Efficient Equipment** The OEE helps Canadians make energy-efficient choices when buying, selling or manufacturing energy-using equipment. By prescribing minimum energy efficiency performance levels, inefficient energy-using equipment is eliminated from the Canadian market. • **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. • The international **ENERGY STAR® symbol** identifies the most energy-efficient products in their class. Products that carry the ENERGY STAR symbol meet premium levels of energy efficiency – most are 10 to 50 percent more efficient than the minimum regulated standard in Canada. **ecoENERGY for Industry** The OEE works to encourage Canada's industry sector to invest in, develop and use methods and industrial processes that are more energy efficient by: o Helping companies assess their capacity to reduce energy use.

		o Training managers in energy efficiency and conservation o Identifying least-cost options for companies taking steps to reduce greenhouse gases and other emissions o Providing a forum for sharing information on new technologies and best practices. The **Canadian Industry Program for Energy Conservation (CIPEC)** is an industry-government partnership that helps Canada's industries improve their energy efficiency and reduce greenhouse gas emissions that contribute to climate change. It is a voluntary program that brings together industry associations and companies that represent more than 95 percent of all industrial energy use in Canada. **ecoENERGY for Personal Vehicles** The Personal Vehicles 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. • The new **ecoAUTO rebate program** makes it easier for you to buy a fuel-efficient vehicle. • NEW – the **Excise Tax (Green Levy) on Fuel Inefficient Vehicles** is in place to promote purchase of energy efficient vehicles. **ecoENERGY for Fleets** The ecoEnergy for Fleets Initiative benefits trucking companies and other commercial fleet operations by helping them cut fuel costs and reduce harmful emissions through emphasis on information-sharing, **workshops** and **training** to help fleets increase their fuel efficiency. **Transportation** (manufacturers, federal and alternative fuels). The transportation sector is the largest single source of greenhouse gas emissions in Canada. We can all make a big difference by making energy-efficient choices. • **Federal Vehicles** The Federal Vehicles Initiative aims at helping Government of Canada departments cut costs by increasing the efficiency of their fleets and helping reduce the environmental impact of operating them.

		• **Vehicle Efficiency** A voluntary initiative with vehicle manufacturers aimed at promoting improvements in motor vehicle fuel efficiency, including introduction of fuel efficiency technologies in new vehicles. **Alternative Fuels** Vehicle fuel choices that we make today can greatly impact greenhouse gas emissions resulting from transportation. Our initiatives inform the public and encourage the production and end-use of alternative fuels such as biodiesel, ethanol, natural gas and hydrogen as well as cleaner conventional fuels such as low-sulphur diesel and reformulated gasoline. **ecoENERGY Assessment Incentive** Discover the benefits of hiring a qualified consultant to conduct a process integration study. Natural Resources Canada (NRCan) offers a financial incentive to help industrial companies conduct process integration studies that identify opportunities for increasing energy efficiency and improving production processes. Register with NRCan's leadership network of **Industrial Energy Innovators** to become eligible for the incentive outlined below. Incentive applications must be approved by NRCan before the assessment begins. The **Process Integration (PI) Study incentive** goes beyond conventional energy audits to look at the systematic and rigorous analysis of plant processing steps, utility systems, and their interactions, PI studies determine the most efficient use of energy, water and raw materials. The Process Integration (PI) Study Incentive can be used to help defray the cost of hiring a professional engineering firm to identify and assess the most effective and efficient energy-saving opportunities in a large or moderately complex industrial process, including the design of new production units and/or modifications to existing installations. Funding is available for up to 50 percent of the cost of a PI study, to a maximum of $50,000. **Renewable Energy.** Find out how the ecoENERGY Renewable Initiative funds renewable heat and power projects. The ecoENERGY Renewable Initiative provides $1.5 billion in funding to boost

		Canada's renewable energy supplies. There are two programs: • **ecoENERGY for Renewable Power.** Increases supply of clean electricity from low-impact renewable sources such as wind, biomass, hydro, geothermal, solar photovoltaic and ocean energy through a production incentive of 1 cent per kilowatt-hour over ten years on eligible projects. • **ecoENERGY for Renewable Heat** (for business, commercial and institutional sectors). Increases the use of renewable thermal energy; helps develop renewable thermal energy industry capacity; and contributes to clean air by displacing fossil fuel-based energy use for space heating and cooling and water heating. Incentives will be offered to the Industrial/Commercial/Institutional Sector to support the installation of solar space and water heating. Preliminary estimates suggest that, by 2011, the program will support installations in about 700 buildings. In addition, projects conducted with collaborations (energy utilities, energy service companies, community groups and other interested groups) will explore increasing the market for residential solar hot-water systems. The program will not be offering incentives directly to homeowners. These collaborations should result in the installation of solar hot-water systems into several thousand homes across the country. ecoENERGY for Renewable Heat will also help establish solar and geothermal technologies in the marketplace by supporting the development of standards and certification, promoting the adoption of these technologies in building codes and provincial and municipal regulations, and training energy designers, technicians and installers. **Source: Government of Canada**
Natural Resources Canada (NRCan) - Office of Energy Efficiency [OEE] **Program:**	**Users:** Companies registered as Industrial Energy Innovators **Support areas:** Training	Since 1997, over 11, 000 representatives of Industrial, Commercial and Institutional organizations from across Canada has enrolled in **Dollars to $ense Energy Management Workshops** offered by Natural Resources Canada's Office of Energy Efficiency. The energy-

Dollars to $ense Energy Management Workshops		saving tips they learned in these workshops have given their organizations and facilities a number of benefits including lower operating and production costs, an improved competitive position, reduced greenhouse gas emissions, increased operational efficiency and a better work environment. The space is limited to register in these management workshops. The Office of Energy Efficiency offers four one-day Dollars to $ense Workshops in which participants are able to learn how to: • be more competitive while enhancing their corporate image • discover no-risk strategies • optimize their business case • reduce energy consumption and cut costs across their organization • take the guesswork out of energy management planning **Source: Government of Canada**
Natural Resources Canada (NRCan) - Office of Energy Efficiency [OEE] **Program:** Employee Awareness Program [EAP]	**Users:** Employees of companies registered as Industrial Energy Innovators **Support areas:** Training and access to information	A crucial part of a successful energy management program is getting your employees on board. Much of your organization's success will depend on your employees' awareness and understanding of energy efficiency and their investment in helping you achieve your energy management goals. Natural Resources Canada's (NRCan's) Office of Energy Efficiency (OEE) has put together an **Employee Awareness Program** (toolkit) to help companies bring home the idea of energy conservation. The toolkit includes a guidebook to assist you in getting started and several off-the-shelf tools to help you develop an Employee Awareness Program (EAP) within your organization. These tools include posters, fact sheets, stickers, slide presentations and more, offered in hard copies and also online. Everyone in your organization will benefit when they become aware of how small every day actions can significantly reduce energy waste, decrease operating costs and increase competitiveness. **Source: Government of Canada**
Natural Resources Canada (NRCan) - Office of Energy Efficiency [OEE] **Program:** Energy Benchmarking and Best Practices Program	**Users:** Companies registered as Industrial Energy Innovators **Support areas:** Training and access to information	The **Canadian Industry Program for Energy Conservation (CIPEC)**, sponsored by Natural Resources Canada (NRCan) has developed an **Energy Benchmarking and Best Practices Program** for Canada's industrial sectors. The program is designed to help industry achieve significant energy efficiency gains. Energy benchmarking involves the development of quantitative and qualitative indicators through the collection and analysis of energy-

		related data and energy management practices. CIPEC, in collaboration with its association partners, has established indicators to enable industrial companies to compare their energy use, greenhouse gas emissions and practices with similar operations. These indicators can help guide industry toward achieving greater energy efficiency by identifying energy cost-saving opportunities for each industrial sector. **Source: Government of Canada**
Natural Resources Canada (NRCan) - Office of Energy Efficiency [OEE] **Program**: Energy Managers Network [EMN]	**Users:** Companies registered as Industrial Energy Innovators, Consultants & Educators **Support areas:** Networking	Natural Resources Canada's Office of Energy Efficiency, through CIPEC, provides sponsorship and support for the EMN. The goal of the CIPEC Energy Managers Network (EMN) is to develop a knowledge-sharing and learning network for industrial energy management practitioners. The EMN comprises professional energy management practitioners from Canadian industrial companies who strive to make their companies more competitive by sharing knowledge, information, tools and skills. In addition to participating in meetings, members gain access to technical guides, case studies and discussion boards. Consultants and educators are welcome to apply for limited EMN membership privileges. The EMN encourages the participation of people who are championing energy efficiency in their organization. The EMN's vision is to make energy efficiency part of everyone's daily work. Front-line plant operators and immediate support staff have the greatest opportunity to reduce energy use. With the support of energy managers, they have the capacity to make energy efficiency an integral component of day-to-day business life. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Energy Management Services Directory	**Users:** Companies registered as Industrial Energy Innovators **Support areas:** Access to information	The Energy Management Services Directory is a searchable list of consultants, engineers and other professionals that offer products and services to help organizations manage and measure their energy use. This national directory puts energy efficiency services at your fingertips in one convenient location. It is constantly being updated, so be sure to visit often for the most up-to-date information. Natural Resources Canada's Office of Energy Efficiency hosts this site as a service, but does not pre-qualify, endorse or guarantee any of these firms, their work or the information provided. **Source: Government of Canada**

Natural Resources Canada (NRCan) - Office of Energy Efficiency [OEE] **Program:** EnerGuide for Industry	**Users:** Companies registered as Industrial Energy Innovators **Support areas:** Access to information and guidelines	EnerGuide for Industry is an initiative of NRCan's OEE that provides you with valuable information to assist in the selection and purchase of energy efficient products for your industrial facilities. It offers interactive tools, tips, return-on-investment analysis, and business cases to help energy-wise industries make the most energy-efficient choices when they buy off-the-shelf equipment. Current EnerGuide for Industry product categories for the industrial, commercial and institutional sectors include electric motors, dry-type distribution transformers, lighting products and large air-conditioning units. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Delivery programs	**Users:** • Industry • educational institutions • governments • the scientific community **Support areas:** R&D	NRCan operates the following delivery programs: Industry Energy Research and Development Program (IERD Program); Buildings Energy Technology Advancement Plan; Transportation Energy Technologies Program; Renewable Energy Technologies Program; Community Energy Systems Program; Clean Electric Power Generation Program (CEPG program); Programs of the CANMET Energy Technology Centre – Devon; Programs of the CANMET Energy Technology Centre – Varennes; Advanced Separation Technologies; National Centre for Upgrading Technology; Processing and Environmental Catalysis Program (PEC program); and Program of Energy Research and Development. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Industry Energy Research and Development Program [IERD]	**Users:** • All companies established in Canada • formal or informal groupings of companies or individuals • trade and research organizations • consulting firms **Support areas:** R&D	The **Industry Energy Research and Development (IERD) Program**, funded by the Program on Energy Research and Development (PERD), is administered by the CANMET Energy Technology Centre (CETC-Ottawa) of Natural Resources Canada (NRCan). Canadian companies engaged in energy efficiency **research and development** can receive financial assistance for their work under the IERD program. IERD encourages and supports the development and application of leading-edge, energy-efficient and environmentally responsible processes, products, systems, and equipment. Projects that have received support under the program include the development of energy efficient fireplaces and space heaters, the development of large, highly efficient industrial electric motors, a process for recycling used crankcase and lube oils, radio frequency drying of lumber and the production of high performance automotive parts using powder metallurgy. IERD may provide repayable financial assistance up to 50percent of

		the total estimated allowable cost of an approved project. Repayment is conditional upon the commercial success of the project. The cost-sharing ratio will depend on the degree of risk, the magnitude of potential energy savings, and the degree to which the technology developed can be used by other companies. All companies established in Canada, formal or informal groupings of companies or individuals, trade and research organizations, and consulting firms are eligible for assistance from IERD. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Buildings Energy Technology Advancement Plan [BETA]	**Users:** • Industry • Government, • Universities **Support areas:** Market development	Bringing together government, industry, and universities, the **Buildings Energy Technology Advancement (BETA) Plan** is an integrated set of programs dedicated to the advancement and commercialization of energy-efficient and passive solar technologies for residential and commercial buildings in Canada. The Sustainable Buildings and Communities (SBC) group works closely with the building sector to innovate energy technologies for commercial, institutional and multi-unit residential (MURBs) buildings. The technology focus is on integrated design process and whole building design; building envelope systems; lighting and day lighting; heating, ventilation and air conditioning; renewable energy technologies; and support of NRCan building energy programs and policies. To increase industry awareness and capacity for innovative energy technologies, BETA Plan helps **develop market** infrastructure through: participating in the development of industry standards and rating and labeling systems; developing software tools; and through outreach activities including publications, training, charettes and workshops. They also organize and take part in a range of conferences and events attended by energy technology researchers, innovators and early adopters. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Hydrogen and Fuel Cell Research and Development Program Transportation Energy Research and Development Program	**Users:** • Equipment manufacturers • Fleet managers • Industry associations • International Energy Agency • Other federal departments • Provincial governments • Research organizations • Transit authorities	The Hydrogen, Fuel Cell and Transportation Energy (HyFATE) group partners with industry and government organizations to develop and deploy leading-edge hydrogen, fuel cell and transportation energy technologies that minimize environmental impacts, increase the potential for job and economic growth and extend the lifespan of Canada's energy resource base. HyFATE's work is concentrated in two main areas: **Hydrogen and Fuel Cells**; and **Transportation Energy R&D**. The Hydrogen and Fuel Cells area of HyFATE is made up of two

	• Universities • U.S. Department of Energy • Utilities **Support areas:** R&D workshops and seminars, publications	programs - the Hydrogen and Fuel Cell R&D Program; and the Canadian Transportation Fuel Cell Alliance. The **Hydrogen and Fuel Cell Research and Development Program** works on the following: hydrogen production - to develop clean, efficient technologies for hydrogen production; hydrogen storage - to develop safe, efficient and cost-effective hydrogen storage materials, components and systems; fuel cells - to improve fuel cell technologies to lower costs and increase efficiency, reliability and lifetime; and codes, standards and safety - to create and validate models to support the development of codes and standards and to develop technology for the safe use of hydrogen. The HyFATE group **Transportation Energy Research and Development Program** works in partnership with industry, universities and other governments to share the costs of transportation energy R&D. HyFATE funding in FY 2005/06 for transportation energy R&D was about $4M. By working with private industry and other government programs funding is leveraged considerably. The funding is allocated in the following areas: natural gas vehicles; biodiesel; electric vehicles; and transportation energy. In the past, work also addressed end-use issues with ethanol and methanol. At home and abroad, HyFATE supports R&D studies, workshops and demonstration projects, usually through cost-sharing arrangements. The group works in cooperation with a number of stakeholders in the domestic and international transportation industries, including original equipment manufacturers, industry associations, fleet managers, transit authorities, utilities, provincial governments, research organizations, universities, other federal departments, as well as the U.S. Department of Energy and the International Energy Agency. Program activities include: R&D toward the development of technologies with short-to-medium term commercial and market potential; technology assessments conducted in the lab and through technical demonstration projects and field trials to provide data on factors such as fuel economy, reliability, safety, environmental impacts and cost benefits; development of technical and safety standards; and technology transfer through sponsorship of workshops and seminars, publication of technical reports, and information exchanges with public and private sector organizations. HyFATE also manages the **Canadian Transportation Fuel Cell Alliance (CTFCA) Program** which is demonstrating and evaluating fueling options for fuel cell vehicles in Canada. They also play a key role in the creation of codes, standards as well as training ad

		certifications programs. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Renewable Energy Technologies Program	**Users:** Industry **Support areas:** Development of renewable energy technologies	The **Renewable Energy Technologies Program** supports Canadian industry's efforts to develop and deploy renewable energy technologies that can serve as cost effective and environmentally responsible alternatives to conventional energy generation. Technologies include small hydro (less than 20 MW units), active solar, wind energy, and bioenergy. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Community Energy Systems Program	**Users:** • Communities • Energy utilities • Industry • Municipalities • SMEs • Various levels of government **Support areas:** Consulting service	The **Community Energy Systems Program** is a consulting, service-oriented program that assists small and medium Canadian enterprises, industry, energy utilities, municipalities, communities, and various levels of government in improving their energy efficiency by applying technologies that interconnect heat sources and sinks. The program also helps to identify ways to satisfy the demand for cooling with more efficient and ozone-friendly methods. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Clean Electric Power Generation Program [CEPG]	**Users:** • Other levels of government • Private firms • Public sector • Trade and professional associations • Universities • Utilities **Support areas:** R&D	CETC-Ottawa works on a consulting service-orientated basis with private firms, the public sector, trade and professional associations, utilities, universities, and other levels of government to develop and deploy leading-edge technologies in the areas of residential, commercial and industrial energy efficiency, renewable and transportation energy technologies. CETC offers several "fee-for-service" programs including: • **Clean Electric Power Generation (CEPG)** • Energy Technologies for High Temperature Processes • Energy Technology Applications • Processing and Environmental Catalysis These programs are supported by an analytical testing laboratory specializing in the analysis of process-derived chemicals, fuels, fuel-related products and by-products in solid, liquid, or gaseous state. The CEPG program is administered by CANMET Energy Technology Centre (CETC-Ottawa) of Natural Resources Canada (NRCan). CEPG is Canada's centre of excellence for the development of efficient

		stationary combustion processes and pollution abatement technologies to support industrial development both nationally and internationally. The group's research focuses on optimizing the performance of stationary equipment and evaluating and developing new products, fuels and retrofit technologies. Processes under study use conventional fuels: oil, coal and natural gas, biomass and specialty fuels. The CEPG research areas include: • pressurized gasification • fluidized bed combustion • O_2 /CO_2 combustion • computational fluid dynamics • advanced measurement techniques • simulation • mercury capture • fine particulates research • advanced control systems • flaring • fuels and byproduct characterization • biomass combustion • isokinetic sampling CEPG researchers undertake both lab-scale and pilot-scale research from within well-equipped facilities. The facilities also include laboratories for equipment testing, laser diagnostics and fuel characterization as well as emissions monitoring capabilities and a strong computer modeling team. Field demonstrations, to promote the implementation of new technologies, are often undertaken in cooperation with private sector companies, universities and special interest groups. CEPG's services are available to public and private groups with an interest in combustion for process heat, steam and power generation, including pollution abatement. Collaborative projects are usually task or cost-shared with clients. Staff specialists can assist clients in developing state-of-the-art control technologies such as expert systems and artificial intelligence. Using their advanced computational modeling skills, scientists can assist clients to increase process production and energy efficiencies. Residential and commercial oil and gas-fired heating systems, woodstoves, fireplaces and boilers can be tested and redesigned in co-operation with manufacturers, with the goal of increasing efficiency and reducing environmental emissions.

		CEPG's staff serves clients from the following sectors: electrical utilities and other operators of stationary combustion facilities; oil, coal and natural gas producers; pulp and paper industry; combustion equipment manufacturers; software developers; industry associations; federal and provincial government departments; as well as standards writing organizations. As a group we work in partnership with provincial departments and agencies, national and international agencies, Environment Canada, DOE/EPA USA and the International Energy Agency, Standards Organizations (i.e. CGSB, ASTM, ASHRAE, ISO) as well as universities and other research institutes in Canada and overseas. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Energy Technologies for High-Temperature Processes Program [EHTP]	**Users:** Coal mining, iron-making and related industries in Canada and abroad. **Support areas:** R&D	The **Energy Technologies for High-Temperature Processes Program (EHTP)** conducts research and development investigations for government and industry on the ecological use of fuels for metallurgical industries. Investigations include evaluation of coal, coke, and alternative fuels for ironmaking. Research conducted by EHPT includes support for Canadian coal producers and ironmakers, with research covering areas such as carbonization technology; fuel evaluation; coal, natural gas and biofuel injection into blast furnaces enhancing fuels qualities to improve energy efficiency and reduce GHG emissions. The Group's facilities include coal preparation capabilities, four coke ovens, three sole-heated ovens, a coal injection pilot plant and computer models of the blast furnace process and an injection simulator. Supporting these pilot scale facilities is a comprehensive laboratory capability for the evaluation of coals and cokes and alternative fuels. Clients use the facilities to optimize their coal, coke, and blast furnace operations by improving fuel properties. EHTP's services are available to coal mining, iron-making and related industries in Canada and abroad. Collaborative projects are usually task or cost-shared with clients. Many larger projects are collaborative with involvement of Canadian and provincial governments, universities, and industry. Experimental R&D projects conducted for clients have been focused on the energy efficiency of the iron-making process, super strength coke for PCI, extending coke oven life, mineral and coke quality, and pulverized coal injections. Computer modeling capabilities for blast furnace optimization have also been developed. Study areas include evaluation of the suitability of coals, biomass,

		and alternative fuels for blast furnace injection by: • computer modeling of the injection process • evaluating char/coke reactivity under simulated raceway conditions • development of "supercokes" for use in blast furnaces with high fuel injection levels • more practical conversion and utilization of coke and steel plant gas streams to minimized GHG emissions • development of "alternative" coke and ironmaking processes to meet future environmental regulations • evaluation of the suitability of coking coals for domestic and foreign markets • extension of coke-oven life and reduction of emissions by controlling coke expansion, thereby improving operational safety. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Programs of the CANMET Energy Technology Centre – Devon	**Users:** Federal, provincial and municipal governments and private sector **Support areas:** R&D hydrocarbon technologies for energy efficiency and sustainable development	The **CANMET Energy Technology Centre – Devon** is the federal government's primary research group for the development of hydrocarbon supply technologies and related environmental technologies, with an emphasis on oil sands and heavy oil. Consisting of two science and technology groups, Advanced Separation Technologies and the National Centre for Upgrading Technology, the CANMET Energy Technology Centre – Devon delivers a range of science and technology programs that contribute to energy efficiency and sustainable development. By developing hydrocarbon technologies that use less energy and have less environmental impact, the centre is helping to ensure that Canada's oil industry is a sustainable, environmentally responsible contributor to our energy supply. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Advanced Separation Technologies [AST]	**Users:** • Educational institutions • Industry • Governments • Scientific community **Support areas:** R&D	**Advanced Separation Technologies (AST)** conducts fundamental and applied research to develop and implement leading-edge multiphase separation technologies for the petroleum and environmental industries. Research activities are focused on finding solutions for industrial science and technology problems. AST combines a world-class research and development facility with first-rate scientists and engineers. AST conducts fundamental and applied research to develop and implement leading-edge multiphase separation technologies for the petroleum and environmental industries. Employing a multi-disciplinary team approach, AST's focus is to find solutions for industrial science and technology problems.

		This approach is based on a fundamental understanding of the principles governing industrial processes and is enhanced by strategic partnerships and collaborative initiatives with industry, educational institutions, governments, and the scientific community. The facility, located in Devon, Alberta, includes a wide range of equipment and sophisticated instruments at various scales: laboratory, bench, pilot and field. For example, pilot plants found on-site are fully operational and being used, jointly with industry, to assess breakthrough technologies in heavy oil processing. Many emerging technologies derived from the research being conducted by AST are transferable to other industries. AST champions research and development initiatives that offer Albertan and Canadian companies competitive advantages in the world marketplace. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** National Centre for Upgrading Technology [NCUT]	**Users:** • Engineering firms • Oil companies • Technology licensors **Support areas:** Research and technical services	The **National Centre for Upgrading Technology (NCUT)** is a Canada-Alberta heavy oil upgrading research alliance that provides independent research and technical services to help oil companies, engineering firms, and technology licensors to solve problems encountered in their processing units when upgrading oil sands bitumen. NCUT focuses on reducing the capital, operating, and environmental costs of upgrading bitumen and heavy oil; and improving the quality of transportation fuels produced from synthetic crude oil. NCUT's main goals is to make bitumen upgrading and refining attractive in Canada; fit bitumen into the future refineries, and get bitumen to the upgraders and refiners. Companies can interact with NCUT through any one of a variety of approaches that best suits their business needs. Past examples include straight contract for services, joint project work, one-on-one projects, and multi-company consortia. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Processing and Environmental Catalysis Program [PEC]	**Users:** Oil & gas, petrochemical and chemical Canadian and foreign private sector firms. **Support areas:** R&D	The **Processing and Environmental Catalysis (PEC) Program** builds on expertise in catalysis to provide solutions to industrial process problems and research in selected areas that have the potential for significant environmental and economic benefits. The PEC program focuses its efforts on the development of environmentally sound and economically viable technologies for the production of: alternative transportation fuels, fuel additives and petrochemicals from natural gas; the treatment and recycling of waste oils; the reduction of NO_x emissions from mobile sources; and the sustainable use of industrial low-grade heat.

		PEC's services are available to Canadian and foreign private sector firms including: refineries, petroleum producers, natural gas producers, natural gas utilities, petrochemical research organizations, specialty technology development companies, used oil refiners, pulp and paper producers, and manufacturers of engines and catalytic converters. R&D projects are task- or cost-shared with clients and can be customized usually to meet client needs. The following technology areas are currently being addressed: synthesis gas production by partial oxidation of methane using membrane reactor; used-oil purification processes; catalysts for emission reduction from mobile sources; the utilization of low grade waste industrial heat for increased efficiency; the treatment and utilization of fuels from renewable sources; and upgrading tire pyrolysis oils to value-added products. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Program of Energy Research and Development [PERD]	**Users:** • Associations • Federal laboratories • International organizations • Other funding agencies such as NSERC, IRAP, and TEAM • Private sector • Provincial and municipal governments and research organizations • Universities **Support areas:** Funds Energy R&D conducted in Canada by the federal and provincial governments	The **Office of Energy Research and Development (OERD)** is the Government of Canada's coordinator of energy research and development activities. OERD manages and funds two main energy R&D programs, the **Program of Energy Research and Development (PERD)** and the **Technology and Innovation Research and Development (T&I R&D) Initiative**, both of which support the energy-related R&D activities of federal departments, including Natural Resources Canada. OERD also coordinates Canada's involvement in international energy R&D activities through linkages with the U.S. Department of Energy, the International Energy Agency (IEA), the European Union and the Asia-Pacific Economic Co-operation (APEC). PERD is a federal, interdepartmental program operated by Natural Resources Canada (NRCan). PERD funds research and development designed to ensure a sustainable energy future for Canada in the best interests of both our economy and our environment. The program directly supports 40percent of all non-nuclear energy research and development conducted in Canada by the federal and provincial governments, and is concerned with all aspects of energy supply and use, with the exception of nuclear energy. It directly supports energy R&D conducted in Canada by the federal and provincial governments, and is concerned with all aspects of energy supply and use. OERD provides PERD funds directly to partner departments and agencies, which then team up with the following agents: federal laboratories; the private sector (industry, research institutes, companies, consortia and alliances, individuals);

		associations; other funding agencies such as the Natural Sciences and Engineering Research Council (NSERC), the Industrial Research Assistance Program (IRAP), and Technology Early Action Measures (TEAM); universities; provincial and municipal governments and research organizations; and international organizations. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program**: Technology and Innovation Research and Development Initiative [T&I R&D]	**Users:** • Associations • Federal laboratories • International organizations • Other funding agencies such as NSERC, IRAP, and TEAM • Private sector • Provincial and municipal governments and research organizations • Universities **Support areas:** R & D	The **Technology and Innovation Research and Development (T&I R&D) Initiative** was established in 2003 to advance promising greenhouse gas (GHG) technologies through R&D. The T&I R&D budget is $115 million over five years. OERD provides T&I R&D funds directly to partner departments and agencies, which then team up with provinces, the private sector and/or universities. To achieve significant GHG reductions in the near term, T&I R&D aims to ensure that clean technology options which provide incremental advances are brought into the energy economy as quickly as possible, e.g. vehicles with reduced fuel consumption, energy-efficient buildings. In the medium to longer term, bridging technologies will pave the way for the transition to a low-emission energy future but will need financial support for bringing them to the market-ready stage, e.g. hybrid vehicles, technologies to access unconventional oil and gas supplies. Transformative or "next generation" technologies will eventually take us into a clean energy future and require S&T investments now, e.g. hydrogen fuel cells and production, and carbon dioxide (CO_2) capture and storage. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Renewable Energy Deployment Initiative [REDI]	**Users:** • Private sector • Federal departments and public institutions **Support areas:** Market development and financial incentive	The **Renewable Energy Deployment Initiative (REDI)** was announced in December 1997, and came into effect on April 1, 1998. REDI is a 9-year, $51 million program designed to stimulate the demand for renewable energy systems for water heating, space heating and industrial process heating. These systems include: active solar water heating systems; active solar air heating systems; or high efficiency/low emissions biomass combustion systems of between 75kW and 2MW capacity. Under REDI, NRCan undertakes market development activities and provides an incentive to encourage the private sector, federal departments and public institutions to gain experience with active solar and efficient biomass combustion systems. Corporations are eligible for a refund of 25 percent of the purchase, installation and certain other costs of a qualifying system, to a maximum refund of

		$80,000 per installation and a maximum of $250,000 per corporate entity. Some incentives are also provided on a pilot project basis. In remote communities, business, institutions and other organizations may be eligible for a refund of 40 percent of the purchase and installation of a qualifying system, up to a maximum refund of $80,000. Under REDI, remote communities are classified using the following criteria: neither connected to the North American electrical grid nor to the piped natural gas network; and comprising at least 10 permanent or long-term (5 years or more) buildings. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Renewable Energy Technologies Group [RET]	**Users:** Small hydroelectric facilities in Canada **Support areas:** R&D	Natural Resources Canada supports the development of small hydroelectric facilities in Canada through the following activities: **Renewable Energy Technologies (RET) Group**; and **CANMET Energy Technology Centre - Varennes (CETC–Varennes).** The objective of the Renewable Energy Technologies (RET) Group is to promote the development of appropriate technology to make it more economical to develop a greater range of small-scale and low-head hydroelectric resources. The group responds to the needs of the Canadian small hydroelectric industry and brings together the expertise in industry, universities and government. The group is now concentrating on tools and techniques for reducing equipment and construction costs. In the short term, the main project tasks of the Small Hydroelectric Research and Development Group are to develop: innovative micro- and mini-hydro turbines, generators, and automated control systems for targeted low-head ranges and niche markets; improved plant designs and measures to mitigate environmental impacts (for example, fish protection measures); new techniques and methodologies for assessing the economic and technical feasibility of potential small-hydro sites, with consideration of the latest technological developments (new turbines, plant design, etc.); and international joint research projects through the establishment of multinational consortia, and participation in IEA. **Source: Government of Canada**
Natural Resources Canada [NRCan] **Program:** Programs of the CANMET Energy	**Users:** • Federal, provincial and municipal governments	The **CANMET Energy Technology Centre [CETC] -Varennes'** mission is to encourage targeted sectors of the Canadian economy to reduce their greenhouse gas (GHG) emissions, use energy more sustainably, and improve their innovation capabilities. CETC-Varennes designs and implements technological solutions. It also

Technology Centre – Varennes [CETC-Varennes]	• Private sector **Support areas:** R&D	gathers and disseminates knowledge in order to produce and use energy in ways that are more efficient and sustainable, and in order to stimulate the health of the Canadian economy. The Centre's activities focus on four main areas: Buildings, Industry, Clean power, and RETScreen International Clean Energy Decision Support Centre. Thanks to its research and development (R&D) activities, CETC-Varennes is able to develop solutions that help targeted sectors achieve sustainable development in three areas of activity: Environmental: Reducing greenhouse gas (GHG) emissions associated with energy production and consumption and, thus, making a contribution to addressing climate change; Economic: Promoting organizations' cost-effectiveness and competitiveness; and Social: Generating knowledge to allow more enlightened energy decisions. Contributing to the development of human resources, especially of university graduates, by fostering the development of scientific and technical expertise in the field of energy. In addition, CETC-Varennes may lend its expertise to support Natural Resources Canada in its decision-making activities including formulating policies, developing programs and regulations, and setting/managing standardization criteria. **Source: Government of Canada**
Sustainable Development Technology Canada [SDTC] **Program:** SDTC funding	**Users:** SMEs with expertise in sustainable development technology, and part of a project consortium. **Support areas:** Technology funding and networking.	**Sustainable Development Technology Canada (SDTC)** is a not-for-profit foundation created by the Government of Canada that operates a $550 million fund to support and finance the development and demonstration of clean technologies which provide solutions to issues of climate change, clean air, water quality and soil, and which deliver economic, environmental and health benefits to Canadians. Besides funding groundbreaking technologies, SDTC also works closely with an ever-growing network of stakeholders and partners to build the capacity of Canadian clean-technology entrepreneurs, helping them form strategic relationships, formalize their business plans, and build a critical mass of sustainable development capability in Canada. SDTC bridges the gap in the innovation chain by fast-tracking groundbreaking clean technologies through development and demonstration in preparation for commercialization. SDTC fosters and encourages innovation and collaboration among private, academic and public-sector partners, and strives to ensure the

		dispersion of clean technologies in relevant market sectors throughout Canada. SDTC helps innovators sharpen their market savvy, increase their ability to identify the economic and environmental strengths of sustainable development projects, and define the investment potential that their clean technologies ultimately represent to venture capital financiers. Technologies should have application in the following primary sectors of Canada's economy: Energy Exploration, Production, Transmission and Distribution; power generation; Energy utilization; transportation; Agriculture, Forestry and Mining; waste management; and Cross-sectoral. To be considered for SDTC funding, applicants should have expertise in sustainable development technology and be part of a project consortium. Eligible projects must focus on the development and demonstration of new technologies that address issues of climate change, clean air, water, and soil quality. The projects must be undertaken primarily in Canada. SDTC holds two rounds of funding each year, in August and January. The Foundation may fund, on average across its portfolio of funded projects, up to 33 percent of Eligible Project Costs and never more than 50 percent of eligible project costs for any given project. Individual project-funding limits are set by the SDTC Board of Directors at the time of project approval. On December 6, 2006, SDTC approved $30 million in new funding for the development and demonstration of clean technologies that benefit both the environment and the economy. The money will be allocated to 13 projects, covering a wide array of clean technologies. The vast majority of SDTC funded projects deliver more than one environmental benefit contributing to clean air, greenhouse gas emission reduction, clean water and/or clean soil. In this round of funding, 92 per cent of the projects address clean air benefits while 69 per cent of those projects also focus on clean water or soil. SDTC encourages the submission of technology solutions designed to improve sustainability for all Canadian economic sectors including energy exploration and production, power generation, energy utilization, transportation, agriculture, forestry, and waste management. SDTC actively seeks applications for technology innovations that deliver clean water, clean soil, clean air, and a reduction in greenhouse gas emissions. Technologies that are designed to deal with more than one of these environmental issues simultaneously are encouraged. **Source: Government of Canada**

TEC Edmonton **Program:** Alberta Deal Generator Program JumpStart Program Technology Transfer Program VenturePrize Program	**Users:** • Companies • Entrepreneurs • University researchers **Support areas:** Development of technology, entrepreneurs and companies	TEC Edmonton offers the following programs for University of Alberta researchers who are considering forming a spin-off company: **JumpStart Program** and **VenturePrize Program.** TEC Edmonton also offers the following programs for early-stage companies not based on University of Alberta: **Deal Generator Program,** and **VenturePrize Program.** The **Alberta Deal Generator Program** helps entrepreneurs become investment ready and then connects them with its network of angel investors, Venture Capital firms and other investor groups in special presentation forums. The **JumpStart Program** is designed to assist spin-off companies that have been created from the results of university research. It helps U of A advanced-technology researchers, inventors, and entrepreneurs to evaluate the feasibility of forming a company and licensing the technology to that company as its platform technology; and offers them free consultation, discussion of development options and explanation of aspects to consider. TEC Edmonton become involved after the inventor has moved through the Technology Transfer Program. The JumpStart Program provides one-on-one assistance and advice in the following phases: pre-start-up assistance; formation and launch assistance; early stage company development; and Growth-Stage Stewardship and Partnership. The **Technology Transfer Program** TEC Edmonton provides assistance with IP protection services and business development to inventors. Its main purpose is to help inventors to commercialize inventions, processes, and know-how. The VenturePrize Program is a joint venture of EEDC and the University of Alberta. The VenturePrize Business Plan Competition is designed for individuals, new companies, and faculty & students of post-secondary institutions from across Alberta who have high-growth business ideas. There are four main components to the program: A seminar series; mentoring; feedback on all business plans; and competition for $180,000 worth in prizes.

Technology Partnerships Canada [TPC] **Program:** Industrial Research Assistance Program Technology Partnerships Canada [IRAP-TPC]	**Users:** Incorporated SMEs with fewer than 500 employees **Support areas:** Pre-commercialization and mentoring support	TPC and IRAP have joined forces to support the development and demonstration of innovative products, technologies and processes in the pre-commercialization phase. The TPC-IRAP program is offered to incorporate SMEs with fewer than 500 employees. Projects involved with the development of innovative technologies beyond the proof-of-concept stage (technical feasibility of product or process is proven) are eligible for funding including those related to: new and innovative technologies; Environmental technologies; Cutting-edge industrial materials; Cutting-edge manufacturing; Biotechnologies; and Information technologies. The program accepts projects of up to $3,000,000 of eligible costs; maximum 33percent of total eligible costs; and $990,000 limit. Eligible costs include: payroll costs; service contracts; materials and furniture; Materials, equipment and other capital expenditures; and general direct expenses. TPC-IRAP provides non-repayable contributions to Canadian SMEs interested in growing by using technology to commercialize services, products and processes in Canadian and international markets. The Program also provides **mentoring support** and invests on a cost-shared basis for **research** and pre-competitive development technical projects, upon assessment of a project and firm by a team of **Industrial Technology Advisors (ITAs).** The Program offers to enabling technologies, environmental technologies, and Aerospace and defense (including defense conversion). TPC's environmental strategy enables companies to further their technologies, and pursue significant breakthroughs in the development of sustainable energy alternatives; and in pollution prevention, abatement and remediation. Environmental R&D investments cover promising Canadian technologies in five key areas: traditional environmental media (such as clean water, and waste reduction), eco-efficient industrial practices, improved energy efficiency, alternate energy sources (including hydrogen and fuel cell technologies) and renewable energy. **Source: Government of Canada**
Technology Partnerships Canada [TPC] **Programs:** Hydrogen Early Adopters Program [h2EA]	**Users:** Companies, agencies and institutions operating in Canada **Support areas:** R&D	TPC's main objective is to encourage innovation by investing in private-sector **research and development** initiatives. TPC supports companies, agencies and institutions operating in Canada. TPC offers two main programs as part of its ongoing mandate: the **TPC R&D program** and the **h2EA Program**. The TPC R&D program is geared to pre-competitive projects across a wide spectrum of technological development, including environmental technologies,

TPC R&D Program		life sciences, information and communications technologies and advanced manufacturing. Eligible projects include: environmental technologies; industrial research; pre-competitive development; and studies. Evaluation Criteria: Technological and economic spin-offs for Canada; Technological feasibility of project; Job creation or maintenance; Investment essential to project realization; contribution must be paid back. Contribution: TPC accepts projects of more than $3,000,000 of eligible costs; case-by-case, based on percentage of eligible costs, but not exceeding 33percent. Eligible costs include: Payroll and material costs directly related to project; and General expenses such as indirect payroll, material and equipment costs. The **h2 Early Adopters (h2EA) program** is designed to foster the development and early adoption of hydrogen and hydrogen-compatible technologies into the marketplace. Working in partnership with industry, the h2EA program supports demonstration projects that illustrate the potential benefits of hydrogen and the infrastructure components required to produce, store and distribute hydrogen as a fuel source. The h2EA program is being wound down, and therefore new project outlines are no longer being accepted. **Source: Government of Canada**
The Business Link **Program:** Small business guides; small business seminars; Guest Advisor Program; Brown Bag Presentations; and Business Link Library	**Users:** Entrepreneurs **Support areas:** • Access to information • Guidelines and bulletins • Participation in business seminars • Receive business advice	**The Business Link** is a not-for-profit organization supported by the Alberta and Canadian governments. As a member of the Canada Business Network, The Business Link is connected to similar centres across Canada providing services to entrepreneurs. While most services are free, a small fee may apply to certain publications, seminars and other enhanced services. The Business Link provides information and guidelines to Entrepreneurs (start-up or running) to assist them with the challenges they face as entrepreneurs in all sectors including: retail, wholesale, manufacturing, service and home-based. Through the Business Link, entrepreneurs can get access to documents, information, and bulletins to assist them in the development of their businesses; learn about different business events and business seminars available in the province for entrepreneurs; participate in the Guest Advisor Program and also get access to the Business Link Library (also available on-line) which has a collection of resources and reference services to help you find the business information you need.

		The **Guest Advisor Program** provides you with the opportunity to speak with management consultants, lawyers, accountants, financial representatives and e-business experts, all who volunteer their time to discuss your business concerns. The program is a free and confidential service that offers: one-on-one consultation over the phone or in person; provides an introduction into the variety of business services available to you within the private sector; gives you an insight into how working with a professional can assist in the development of your business; and provides you with an opportunity to discuss your business situation with a professional in a neutral location. You can access this expertise via video conference through the Entrepreneurship Learning Centre (ELC) Network. This service allows speaking with a Guest Advisor, just as if you were there in person. No appointments are necessary; however, time limitations may apply.
Transport Canada **Program:** Transportation Development Centre – Research and Development Program	**Users:** Industry **Support areas:** R&D	Transport Canada is committed to keeping Canada at the leading edge of transportation technology, helping to ensure that Canadians have the best transportation system in the world. Programs provided by Transport Canada contribute to a safe, efficient, and environmentally friendly transportation system, Canada's economic growth and social development, and protection of the physical environment. Transport Canada operates the **Transportation Development Centre (TDC) – Research and Development Program.** The Transportation Development Centre is Transport Canada's research organization. It manages the Research and Development Program, which is aimed at ensuring that Canada's transportation system remains safe, smart, strategic, and sustainable. The program covers all transportation modes – air, marine, road, and rail – as well as transportation of dangerous goods, accessibility, human factors, and intelligent transportation systems. TDC's research program ensures a sustained commitment to meeting Canada's evolving transportation requirements through technological innovation. Developed on the basis of priorities established by the departmental R&D Management Board, the program addresses policy issues, regulation and safety, technology development, operations, and technology transfer, in support of strategic planning and decision-making in the department, the federal government, and the Canadian transportation sector.

		A number of research projects are co-funded by TDC's research partners in other federal departments, other levels of government, and the private sector. TDC also has partnerships with research groups in the United States, Mexico, Europe, and Pacific Rim countries, participating in cooperative ventures of international importance through memoranda of understanding, intergovernmental agreements, and scientific exchanges. **Source: Government of Canada**
Western Economic Diversification Canada [WD] **Program:** Western Diversification Program [WDP]	**Users:** • Not-for-profit organizations (including industry associations, community and/or economic development organizations and research organizations) • Post-secondary institutions, health organizations/regions engaged in research • Provincial or municipal governments or agencies • Crown corporations **Support areas:** Funding for applied R&D	Western Economic Diversification Canada (WD) works to strengthen Western Canada's economy and advance the interests of the West in national economic policy with programs and services that support three strategic directions: Innovation, Entrepreneurship, and Sustainable Communities. WD receives an annual allocation, approved by Parliament, for grants and contributions that support a wide range of programs responding to Western Canada's economic development needs and priorities. WD's direct programs include: Western Diversification Program (WDP); Loan and Investment Program; Canada Foundation for Innovation Support Program; and Western Canada Business Service Network. WD's grants and contributions also support projects delivered directly by WD, either alone or in partnership with other organizations. Groups eligible to apply under these programs include universities and other post-secondary academic institutions, research institutes, industry associations and other not-for-profit organizations. The **Western Diversification Program (WDP)** invests in projects that support WD's strategic priorities of innovation, entrepreneurship and community economic development, including a number of partnership programs undertaken with other levels of government. The aim of the program is to facilitate innovation, promote a competitive and expanded business sector and develop sustainable communities. Increasingly, the WDP is used to partner with other levels of government to create sub-programs or agreements (i.e., Western Economic Partnership Agreements, Urban Development Agreements) designed to respond to economic priorities in Western Canada. Funding is normally only provided to not-for-profit organizations and may include: Industry associations, community and/or economic development organizations & research organizations; Post-secondary institutions, health organizations/regions engaged in

		research; and Provincial or municipal governments, agencies, and crown corporations. Funding under the WDP may support the following activities: Applied R & D leading to commercialization; Community innovation & capacity building; Cross industry collaboration; Developing and increasing participation in domestic and international markets; Improving business productivity; Supporting community adjustments to economic changes; and Supporting investment in skills, knowledge, and competencies development to support WD's strategic objectives. Incremental operating and capital costs that are incurred by the recipient and which are required to achieve the desired outcomes are eligible for consideration. **Source: Government of Canada**
Western Economic Diversification Canada [WD] **Program:** Loan and Investment Program	**Users:** SMEs **Support areas:** Loan and Investment	Western Economic Diversification Canada (WD) helps to fill the gap between traditional bank lending and the availability of venture capital for small business by working in partnership with western financial institutions and not-for-profit organizations. The **Loan and Investment Program** allows financial institutions to supply loan capital to clients to whom it would not otherwise make loans. Through the Loan and Investment Program, WD contributes to a loan loss reserve, which offsets a portion of the risk financial institutions experience when lending to small businesses. Eligible clients apply directly to the financial institutions partnered with WD under this program. The following loan programs target specific industry sectors: Business Loans For Knowledge And Growth for companies that develop or apply advanced technologies; and Growth Capital for small and medium-sized B.C. companies in traditional industries. A second series of loan programs is designed specifically to meet the needs of very small businesses in Vancouver, Victoria, Edmonton, Regina, Saskatoon and Winnipeg: • Assiniboine Credit Union Micro-Loan Program • Coast Capital Savings Micro Loan Program • Saskatoon Credit Union Micro Loans Program • Servus Credit Union Micro Loan Program • VanCity Self-Reliance Loan Program The **Entrepreneurs with Disabilities Program (EDP)** provides loans and other services to help people with disabilities start and

		build their own small businesses. These programs are available throughout the western provinces. In rural communities, the program is offered by WD's network of Community Futures Development Corporations. **Source: Government of Canada**
Western Economic Diversification Canada [WD] **Program:** Canada Foundation for Innovation Support Program [CFI-SP]	**Users:** Western college or university, hospital or non-government not-for-profit organization **Support areas:** Research	The **Canada Foundation for Innovation (CFI)** is an independent corporation established by the Government of Canada to fund research infrastructure in the areas of health, environment, science or engineering. The **Canada Foundation for Innovation Support Program (CFI-SP)** is designed to enhance western institutions' rates of participation in the Canada Foundation for Innovation and help them access a fair share of the funds. Delivered by Western Economic Diversification Canada (WD) the program provides eligible applicants with access to funds in order to prepare a proposal for the CFI program. CFI-SP reimburses qualified western research institutions up to 90 per cent of eligible direct costs incurred, to a maximum of $20,000, to assist with the cost of preparing a Canada Foundation for Innovation proposal. Potential eligible applicants for CFI-SP must be a college or university, hospital or non-government not-for-profit organization doing research in Western Canada and have the financial and managerial capability to undertake a research infrastructure project as defined by the CFI. The applicant must be applying for the Canada Foundation for Innovation project and currently or soon to be involved in the modernization, acquisition or development of research infrastructure. Research infrastructure refers to equipment, specimens, scientific collections, computer software, information databases, communication linkages and other intangible properties used or to be used primarily for carrying on research. It also includes housing and installations essential for use and servicing. **Source: Government of Canada**
Western Economic Diversification Canada [WD] **Program:**	**Users:** Independent organization **Support areas:** Access to information	**Western Canada Business Service Network** is a group of several **independent organizations** that receive funding from WD to provide a range of services to help create and build small businesses across the West. Canada Business reduces the complexity of dealing

Western Canada Business Service Network		with various levels of government by serving as a single point of access for information on federal and provincial/territorial government services, programs and regulatory requirements for business. These offices also serve as the referral point for the Aboriginal Business Service Network. • **Community Futures Development Corporations (CFDCs)** offer a variety of services to rural entrepreneurs, including business counseling, loan programs and services targeted to youth and entrepreneurs with disabilities. • **Francophone Economic Development Organizations (FEDOs)** provide enhanced services to Francophones, including training, access to capital, information services, networking and marketing advice. • **Women's Enterprise Initiative (WEI)** offices provide loan programs, business information, mentoring and other services designed to support women entrepreneurs. **Source: Government of Canada**
Western Economic Diversification Canada [WD] **Program:** Partnership Programs and National Programs	**Users:** SMEs **Support areas:** Funding	A majority of WD's grants and contributions are delivered in partnership with other levels of government. These partnerships allow us to cost share initiatives that respond to regional needs and opportunities. WD offers the following **Partnership programs:** • **Western Economic Partnership Agreements (WEPAs)** are multi-year funding commitments to strengthen economic activity and improve quality of life in western communities. WEPAs are cost-shared equally with each of the four western provinces, with a total of $200 million allocated to initiatives identified as federal and provincial priorities. • **Urban Development Agreements** are partnerships of federal, provincial and municipal governments working in collaboration on broad issues such as inner city revitalization, strengthened innovation or sustainable economic development. • **Canada-Saskatchewan Northern Development Agreement** is a five-year $20 million agreement that will help northern Canadians improve regional economic infrastructure, employment prospects, educational and

		business expertise. It will also increase research and industry innovation, and improve the region's ability to attract business investment. WD delivers a number of **National programs** in the western provinces, including: • The **Infrastructure Canada Program** is a six-year program that has invested over $543 million in more than 1,600 projects that are improving the environment, supporting long-term economic growth and enhancing community infrastructure across the West. Although no new applications are being accepted, program funds are still being disbursed. • The **Municipal Rural Infrastructure Fund** will invest $278 million in the West to improve and increase the stock of core public infrastructure in areas such as water, wastewater, culture and recreation. Delivered by WD in the West, the source of funding for this program is Transport, Infrastructure and Communities. • **Urban Aboriginal Strategy**, funded by Indian and Northern Affairs Canada, aims to reduce the level of disparity that urban Aboriginal people currently face by tailoring government programs to address the local needs and priorities of Aboriginal people living in cities. WD is responsible for implementation of Urban Aboriginal Strategy projects in British Columbia, Alberta and Manitoba. Service Canada delivers this initiative in Saskatchewan. **Source: Government of Canada**