

**Electronic Information to Support
Environment Canada's 2005-2006 Report on Plans and Priorities**

Details on Project Spending

Details on Transfer Payment Programs

Details on Foundations

Details on Project Spending for Environment Canada

| (\$ millions) | Current Estimated Total Cost | Forecast Spending to March 31, 2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 | Future Year Spending Requirement |
|---|------------------------------------|---|---|----------------------------------|----------------------------------|--|
| Reduced Impact of Weather and Related Hazards | | | | | | |
| Weather station construction Eureka NWT (EPA) | 14.7 | 10.8 | 2.7 | 1.0 | 0.0 | |
| Hydrometric Program | 10.0 | 9.5 | 0.4 | – | – | |
| Canadian Meteorological Centre – Facility Extension (EPA) | 8.3 | 7.6 | 0.3 | 0.2 | 0.1 | |
| Adaptation to Environmental Changes | | | | | | |
| Modernization of the Climate Observing Program (EPA) | 8.6 | 5.0 | 2.0 | 1.6 | – | -- |

Tables may differ between and with tables due to rounding of figures.

Details on Transfer Payment Programs for Environment Canada

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|--|-----------------------------------|---|----------------------------------|----------------------------------|
| Contribution to Support Environmental and Sustainable Development Initiatives | | | | |
| Start Date: April 1, 2004 | | End Date: March 31, 2009 | | Total Funding: |
| <p>Purpose of Transfer Payment Program (TPP):</p> <ul style="list-style-type: none"> - Enable Canadian groups, associations and organizations to plan, manage and complete projects and initiatives aimed at protecting, conserving, enhancing and restoring habitats, sites and ecosystems; - Encourage Canadians and Canadian organizations to become actively and concretely involved in environmental and sustainable development projects and initiatives that will result in tangible, measurable environmental benefits; and - Increase and improve, within Canadians, the level of awareness and understanding of environmental and sustainable development issues and encourage environmentally responsible action by helping build the capacity of Canadians, Canadian groups, associations and organizations to network and form partnerships with others for the exchange and dissemination of information. | | | | |
| <p>Expected results and outcomes:</p> <ul style="list-style-type: none"> - Reduced adverse human impact on the atmosphere and on air quality; - Understanding, and prevention or reduction of the environmental and human health threats posed by toxic substances and other substances of concern; - Conservation of biological diversity; - Understanding and reduction of human impacts on the health of ecosystems; - Conservation and restoration of priority ecosystems; - Reduced impact of weather and related hazards on health, safety and the economy; and - Adaptation to day-to-day and longer-term changes in atmospheric, hydrological and ice conditions. | | | | |
| Contributions by Program Activity (\$ millions) | Forecast Spending 2004-2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 |
| Biological diversity is conserved | 4.76 | 7.17 | 8.80 | 3.54 |
| Reduced impact of weather and related hazards | 0.19 | 0.19 | 0.19 | 0.20 |
| Reduced greenhouse gas emissions | 2.77 | 3.28 | -- | -- |
| Adaptation to environmental changes | 0.05 | 0.05 | 0.05 | 0.05 |

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|--|-------|-------|-------|-------|
| Improved air quality | 0.61 | 0.88 | 0.22 | -- |
| Clean, safe and secure water for people and ecosystems | -- | 0.19 | 0.19 | 0.07 |
| Priority ecosystems are conserved and restored | 7.47 | 5.50 | 4.79 | 5.11 |
| Reduced risk from toxics and other substances of concern | 1.33 | 1.31 | 1.34 | 1.42 |
| Total Transfer Payment Program | 17.18 | 18.56 | 15.59 | 10.40 |

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|--|-----------------------------------|---|----------------------------------|----------------------------------|
| Habitat Stewardship Contribution Program | | | | |
| Start Date: October 9, 2003 | | End Date: March 31, 2008 | | |
| <p>Purpose of Transfer Payment Program (TPP):</p> <ul style="list-style-type: none"> - Contribute to the recovery of endangered, threatened, and other species of concern, and to prevent other species from becoming a conservation concern, by engaging Canadians in conservation actions to benefit wildlife; and - Enable non-government organizations, landowners, the private sector, Aboriginal organizations, educational institutions, community groups, and other levels of government to plan, manage and complete projects that will achieve the program goal. | | | | |
| <p>Objectives:</p> <ul style="list-style-type: none"> - To support habitat projects that benefit species at risk; - To enable Canadians to become actively and concretely involved in stewardship projects for species at risk that will result in tangible, measurable environmental benefits; and - To improve the scientific, sociological, and economic understanding of the role stewardship has as a conservation tool. | | | | |
| <p>Expected results and outcomes:</p> <ul style="list-style-type: none"> - Securing or protecting important habitat to protect species at risk and support their recovery; - Mitigating threats to species at risk caused by human activities; and - Supporting the implementation of other priority activities in recovery strategies or action plans, where these are in place or under development. | | | | |
| Contributions by Program Activity (\$ millions) | Forecast Spending 2004-2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 |

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|---------------------------------------|------|------|------|------|
| Biological diversity is conserved | 10.0 | 10.0 | 10.0 | 10.0 |
| Total Transfer Payment Program | 10.0 | 10.0 | 10.0 | 10.0 |

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|---|-----------------------------------|---|----------------------------------|----------------------------------|
| Contribution to EcoAction 2000 – Community Funding Initiative | | | | |
| Start Date: April 1, 2004 | | End Date: March 31, 2009 | | |
| Purpose of Transfer Payment Program (TPP): Provide financial support to non-profit organizations to undertake environmental projects that have positive, measurable results at the community level. | | | | |
| Objectives: | | | | |
| <ul style="list-style-type: none"> - To support and promote environmental improvements by funding community groups undertaking action, outreach and/or capacity building activities that address the following Government of Canada and EC priorities: climate change, nature, water quality and air quality; - To lever monetary and voluntary in-kind support for environmental activities which have measurable environmental benefits; and - To provide Canadians with the tools they need to act on their knowledge and values as individuals and members of communities in support of sustainable development. | | | | |
| Expected results and outcomes: | | | | |
| <ul style="list-style-type: none"> - The successful completion of community-based projects that support action, capacity building and outreach on priority environmental issues at the local and regional levels; - Measurable results that are supportive of the Government of Canada's climate change objectives, as detailed in the Climate Change Plan for Canada and the One-Tonne Challenge; and - Measurable results that are supportive of EC's Clean Environment and Nature business lines. | | | | |
| Contributions by Program Activity (\$ millions) | Forecast Spending 2004-2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 |
| Reduced greenhouse gas emissions | 2.10 | 2.10 | -- | -- |
| Improved air quality | 1.47 | 1.47 | 2.52 | 2.52 |
| Priority ecosystems are conserved and restored | 1.47 | 1.47 | 2.52 | 2.52 |
| Total Transfer Payment Program | 5.04 | 5.04 | 5.04 | 5.04 |

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|--|-----------------------------------|---|----------------------------------|----------------------------------|
| Contributions for the Opportunities Envelope Program | | | | |
| Start Date: 2005 (not yet approved) | | End Date: March 31, 2008 | | |
| <p>Purpose of Transfer Payment Program (TPP):</p> <p>To fund projects/programs that generate cost-effective emission reductions in collaboration with provinces and territories.</p> | | | | |
| <p>Objectives:</p> <ul style="list-style-type: none"> - Enable Canadian provinces and territories to plan, manage and complete projects/programs aimed at early greenhouse gas reductions; - Encourage Canadian provinces and territories to become actively and concretely involved in climate change projects/programs that will result in measurable and incremental greenhouse gas reductions; and - Lever non-federal government, voluntary in-kind and financial support for greenhouse gas reductions projects/programs. <p>Expected result and outcome:</p> <ul style="list-style-type: none"> - A significant portion of the expected emission reductions should be realized in support of Canada's Kyoto target for the first commitment period. | | | | |
| Contributions by Program Activity (\$ millions) | Forecast Spending 2004-2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 |
| Reduced greenhouse gas emissions | -- | 5.19 | 4.70 | -- |
| Total Transfer Payment Program | -- | 5.19 | 4.70 | -- |

Details on Foundations (Conditional Grants) for Environment Canada

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|---|---|-----------------------|
| Name of Foundation: Canadian Foundation for Climate and Atmospheric Sciences (CFCAS) | | |
| Start Date: 2000 | End Date: 2010 | Total Funding: \$110M |
| <p>Purpose of Funding: To invest strategically in excellent university-based research to: provide relevant science to policy makers; generate better knowledge of climate change and its impacts on the natural environment; provide results to help Canada respond to its international environmental commitments; and ensure a supply of skilled human resources to meet future environmental challenges.</p> | | |
| Objectives | Expected Results | |
| Enhance Canada's scientific capacity by funding the generation and | Improved weather predictions and policies, environmental security and risk management | |

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| <p>dissemination of knowledge in areas of national importance and policy relevance, through focused support for excellent university-based research in climate and atmospheric sciences. Major objectives are to:</p> <ul style="list-style-type: none"> ○ Channel and strengthen Canada's scientific capacity to address climate change and air quality issues. ○ Provide the scientific basis for a better understanding of climate change, the climate system, (including processes and predictions), extreme weather, air quality, and marine environmental prediction. ○ Provide the scientific basis for policies addressing the impacts of extreme weather, climate change and air quality as well as their implications for human health and the natural environment, including northern Canada. ○ Foster collaborative and interdisciplinary approaches to research on meteorology, atmospheric science, air quality, climate and climate change. ○ Encourage the participation and support of others, including the private sector, in climate and atmospheric sciences. | <p>strategies.</p> <p>Enhanced economic stability through generation and application of new knowledge on climatic conditions conducive to smog, disease vectors, exotic pest and plant species, avalanches, forest fires and other threats.</p> <p>Better prediction and understanding of severe weather events (drought, winter storms, floods).</p> <p>Generation of skilled scientists to meet societal and industry needs, and fill positions vacated by retirements.</p> <p>More efficient and effective use of facilities and technologies for monitoring regional climates (including earth observation systems).</p> <p>Better data on climate system processes influencing greenhouse gas sources and sinks.</p> <p>Improved knowledge of oceans and atmospheric processes, for better marine environmental predictions and a better understanding of the role of oceans in climate.</p> <p>Enhanced prestige and profile of Canadian researchers; greater involvement of Canadians in international scientific activities.</p> |
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Summary of Annual Plans: CFCAS is currently preparing a report to Canadians on the science of climate change, as requested by the Prime Minister in August 2003. This will be released in mid 2005. It continues to support projects as well as major group and networked initiatives, stimulate research in priority areas, foster work on the impacts of our changing climate and encourage multidisciplinary research.

| | Forecast Spending 2004-2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 |
|----------------------|-----------------------------|-----------------------------------|----------------------------|----------------------------|
| Conditional Grant(s) | n/a | n/a | n/a | n/a |

URL to Foundation site: http://www.cfcas.org/index_e.html

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|---|-----------------------------|---|----------------------------|----------------------------|
| Name of Foundation: Sustainable Development Technology Canada (SDTC) | | | | |
| Start Date: 2001 | End Date: 2012 | | Total Funding: \$550M | |
| Purpose of Funding: To stimulate the development and demonstration of Canadian technologies aimed at climate change, air quality, clean water and clean soil. | | | | |
| Objectives | | Expected Results | | |
| <p>To fund the accelerated development and demonstration of collaborative projects which address the issues of climate change and air quality.</p> <p>With the \$200 million from Budget 2004, SDTC's mandate was broadened to include the development and demonstration of new technologies for clean water and soil.</p> | | <p>Upon diffusion of successful projects, major reductions in greenhouse gas emissions will result to facilitate reaching Canada's Kyoto objectives. Other Environment Canada priorities related to Clean Air will be met with new innovative technologies.</p> | | |
| <p>Summary of Annual Plans:</p> <p>In April 2003, SDTC published its Initial Plan, a forward-looking document that describes how it intends to operate. Following Treasury Board approval of a revised funding agreement by March 31, 2005, SDTC will publish a corporate plan in April of each year. The corporate plan will describe plans for the current year and provide a forecast for the following year. It will include a disbursement plan, planned administration expenditures, objectives and proposed actions, an investment update, operating strategy, and performance expectations. Summaries will be tabled in the House of Commons by the Minister of Natural Resources Canada (NRCan). SDTC issued its first annual report in May 2003 which was tabled in the House of Commons on July 16, 2003. SDTC will publish future annual reports in May of each year, describing its activities during the previous year.</p> | | | | |
| | Forecast Spending 2004-2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 |
| Conditional Grant(s) | \$100M | TBD | TBD | TBD |
| URL to Foundation site: http://www.sdtc.ca/en/index.htm | | | | |

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| Name of Foundation: Federation of Canadian Municipalities' (FCM) Green Municipal Funds (GMF) consisting of the Green Municipal Enabling Fund (GMEF) and the Green Municipal Investment Fund (GMIF) | | |
| Start Date: 2000 | End Date: GMEF – 2007 GMIF – ongoing | Total Funding: \$550M |
| Purpose of Funding: The intent of the GMF is to encourage investment in environmental municipal infrastructure. Specifically, the priorities of the fund are to have a positive impact on | | |

the health and the quality of life of Canadians by reducing greenhouse gas (GHG) emissions, improving local air, water and soil quality and promoting renewable energy by supporting environmental studies and projects within the municipal sector.

The GMF is equally co-funded by NRCan and Environment Canada (EC) who manage the GMF at arms' length creating a strong partnership between the FCM and the Government of Canada. The FCM Board of Directors, formally designated as the decision-making body for the funds, is advised by a 15-member council with five federal appointees. The Council plays a key role, supported by the FCM secretariat and the GMF Peer Review Committee.

The Green Municipal Enabling Fund (GMEF) is a five-year \$50M fund providing grants to support feasibility studies to increase municipal expertise and knowledge of leading-edge environmental technologies and practices.

The Green Municipal Investment Fund (GMIF) is a \$200 million revolving fund providing loans and loan guarantees to leverage municipal investment in innovative environmental infrastructure projects.

Budget 2005 contributed an additional \$300 million to the GMF in 2004-2005.

Objective(s), expected result(s) and outcomes: Encouraging local environmental action in key sectors including:

- energy and energy services;
- water;
- solid waste management;
- sustainable transportation services and technologies;
- sustainable community planning;
- integrated community projects.

Leveraging private sector contributions to make cities and towns across Canada more energy efficient, at the same time reducing our greenhouse gas emissions.

Improving the environmental efficiency and cost-effectiveness of municipal infrastructure.

Note: The GMF 2005-06 Statement of Plans and Objectives will be available on March 31, 2005 by the FCM.

Summary of Annual Plans

The FCM will continue to use the GMF to fund innovative environmental projects. They have established a two phase selection process based on established criteria. Applicants first submit a brief description of their study as a letter of Intent to Apply. Only applicants that meet basic criteria are asked to proceed to the detailed application phase. A peer review committee of experts in the field evaluates applications. Recommendations from peer reviewer are presented to a 15-member Green Municipal Funds Council (GMFC) that oversees the activity and work of the GMF and makes recommendations to the FCM Board, which is the designated approval body for the funds.

The Council consists of five representatives from the Government of Canada (2 from NRCan, 2 from EC and 1 from Transport Canada), five from the municipal sector and another 5 from non-government institutions and the private sector. This balanced membership assures fairness in the overview of the funds. In March 2004, FCM will complete their annual statement of plans for

fulfilling the fund objectives and purposes for the coming year, as well as a mid-term independent evaluation of the GMF.

- Develop 65 GMEF proposals for a project value of \$4.5 million.
- Develop 16 GMIF proposals for a project value of \$85 million.
- Develop up to 10 GMIF Pilot Projects with a total grant commitment up to \$5 million.
- Develop 5 projects with high GHG impact such as landfill gas, renewable energy, and community energy system(CES).
- Convert 50% GMEF to GMIF projects.
- Have the ability to report GHG emissions reductions.
- Continue to develop regional, urban/rural and sectoral balance.
- Further develop solid relationships with industry and municipal participants.
- Carry out additional research on municipal ownership and control of energy utilities in various provinces/territories to better position GMF in the CES market.

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|---|--------------------------------|---------------------------------------|-------------------------------|-------------------------------|
| | Forecast Spending 2004-2005 | Planned Spending 2005-2006 | Planned Spending 2006-2007 | Planned Spending 2007-2008 |
| Conditional Grant(s) | \$150M | TBD | TBD | TBD |
| URL to Foundation site: http://www.fcm.ca | | | | |

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|---|---|----------------------|
| Name of Foundation: Clayoquot Biosphere Trust | | |
| Start Date: 2000 | End Date: | Total Funding: \$12M |
| Purpose of Funding: To create an endowment fund for the Clayoquot Biosphere Trust (CBT) – the cornerstone of the Clayoquot Sound UNESCO Biosphere Reserve. The CBT will use the income from the endowment fund to support local research, education and training in the Biosphere Reserve region. | | |
| Objectives | Expected Results | |
| <p>Establish and implement technical committees in marine/aquatic, terrestrial, education and community development to provide support and recommendations for approval of community-based initiatives.</p> <p>Improve outreach to communities to facilitate better understanding and participation in the work of the Clayoquot Biosphere Trust.</p> <p>Maintain current funding initiatives and explore other funding sources to maximize community benefit through educational scholarships, project</p> | <p>Local communities and First Nations are engaged in continuing dialogue on developing local solutions towards conservation, sustainable development, and healthy communities.</p> <p>Meetings are organized and held with each First Nation and regional communities to create greater sense of involvement with the Clayoquot Biosphere Trust.</p> <p>Additional funds are pursued for use in scholarships to promote post-secondary education opportunities for local students.</p> <p>Partnerships and alliances are continued with the local communities and First Nations that lead to</p> | |

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| <p>funding, and collaborative partnerships. Pursue targeted initiatives and partnerships to provide significant community benefit and provide opportunity to develop collaborative ventures.</p> | <p>enhanced collaboration among stakeholders and solutions to local environmental and sustainable development challenges.</p> | | | |
| | <p>Forecast Spending 2004-2005</p> | <p>Planned Spending 2005-2006</p> | <p>Planned Spending 2006-2007</p> | <p>Planned Spending 2007-2008</p> |
| <p>Conditional Grant(s)</p> | <p>n/a</p> | <p>n/a</p> | <p>n/a</p> | <p>n/a</p> |
| <p>URL to Foundation site: http://www.clayoquotbiosphere.org/</p> | | | | |