

Ontario Ministry of the Environment: New Environmental Technology Programs

Presentation to Ottawa Cleantech Initiative

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Overview and Opportunities

Purpose of the presentation:

- To describe the Ontario Ministry of the Environment's (MOE) programs that are aimed at assisting new technologies to be introduced into Ontario
 - New Environmental Technologies Evaluation (NETE) program
 - Best in Science (BIS) program
- To answer questions about these programs



New Environmental Technologies Evaluation (NETE) Program

- Purpose of the NETE program is to assist the development, marketing and application of new environmental technologies.
- Program has been active since 1997. Over 50 new technologies have been reviewed and assessed.



New Environmental Technologies Evaluation (NETE) Program

- MOE staff will assess/evaluate your new technology and issue an Opinion Letter or a Certificate of Technology Assessment, commenting on the environmental performance of the new technology.
- Support of the Opinion Letter or Certificate is a big advantage in convincing potential customers, in Canada and abroad, about the performance of your new technology, and in obtaining government approvals.



New Environmental Technologies Evaluation (NETE) Program (cont'd)

- The NETE program applies to:
 - materials and chemicals that may be used as equipment coatings or in drinking water, water conditioning or treatment and waste water treatment applications; and,
 - process or pollution control technologies designed to reduce emissions or discharges to the environment or clean up or control contaminants in the environment.

New Environmental Technologies Evaluation (NETE) Program (cont'd)

- Technologies being targeted are technologies where:
 - some or all aspects of a technology's performance are unproven or the long-term performance has not been demonstrated; or,
 - a technology's performance has been demonstrated and long-term performance data is available (this may include the application of an existing technology for non-conventional uses).



New Environmental Technologies Evaluation (NETE) Program (cont'd)

- These technologies will likely fall into one or more of the following categories:
 - drinking water treatment and supply;
 - municipal and industrial wastewater treatment;
 - air pollution prevention and control;
 - hazardous waste management; or,
 - site remediation.



New Environmental Technologies Evaluation (NETE) Program (cont'd)

- Technologies that can benefit the environment but that do not fit into any of the above categories may also be considered for evaluation.



New Environmental Technologies Evaluation (NETE) Program (cont'd)

- A fee-for-service schedule has been established as follows:
 - \$500 for an Opinion Letter of Technology Assessment for a chemical, chemical coating or construction material for use in the processing, treatment or supply of drinking water;
 - \$1500 for an Opinion Letter of Technology Assessment for a technology for which no demonstrated large-scale performance data are available; and
 - \$2500 for a Certificate of Technology Assessment for a technology for which large-scale performance data have been submitted.



New Environmental Technologies Evaluation (NETE) Program (cont'd)

Guidance and Application

- A Guide for Applicants (April 2000) describes the program, outlines what information should be submitted with a formal application and includes the formal application form
 - Currently being updated for publication later in '09
- Initial fee of \$250 for chemical assessments and \$500 for technology assessments due upon formal application



New Environmental Technologies Evaluation (NETE) Program (cont'd)

Timeline

- Every effort is made to issue a written opinion letter or certificate within one month after all required information is received. Some applications may be very complex and take more time to evaluate.



New Environmental Technologies Evaluation (NETE) Program (cont'd)

Benefits

- NETE complements federal ETV program by assessing new environmental technologies for which there is insufficient data to allow performance verification or where performance verification is not being sought
- A technology evaluation under the NETE program will streamline the approvals process for site-specific new technology demonstrations in Ontario which can be used for collecting data for ETV validation of performance

New Environmental Technologies Evaluation (NETE) Program (cont'd)

Contact Info

- Further information contact

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Best in Science

Program Overview

- Research supported through the ministry's Best in Science (BIS) program generates valuable new information and may provide novel/improved technologies that will enhance knowledge in the area of Ontario's environmental priorities.



Best in Science

Program Overview

- BIS aims to:
 - Encourage and promote the work of Ministry scientists, engineers and technical staff;
 - Invest in science that supports the development of good public policy and improved environmental outcomes;
 - Proactively contribute to healthier communities and ecosystems; and
 - Position the Ministry at the forefront of environmental science.



Best in Science

Program Overview (cont'd)

- Ministry draws on a broad community of environmental scientists to engage in advanced scientific research and produce reliable information that contributes to achieving a healthier natural environment.
- This research community includes the Ministry's own scientists, scientists across the Ontario Public Service, at other levels of government, universities, research networks and industry.
- The Program encourages scientific research relevant to Ontario's environmental priorities by providing financial and in-kind resources for partnership research projects.

Best in Science

Program Overview (cont'd)

- Research is undertaken through two initiatives:
 - Collaborative Research Projects
 - supports collaborative research by pairing Ministry scientists with researchers from Ontario's universities, colleges, and other research institutions to work on projects of priority interest to the Ministry.
 - through these effective links Ministry staff are exposed to new approaches and tools in environmental science.

Best in Science

Program Overview (cont'd)

- Research is undertaken through two initiatives:
 - Grants Research Projects
 - receive financial support from the Ministry and are conceived and conducted by external researchers. Ministry staff may also provide guidance on grant-funded projects as members of project steering committees.



Best in Science (cont'd)

Supported research areas and projects

- Examples of supported research include the following:
 - Air Emissions/Monitoring; Antimicrobial Resistance;
 - Ecosystems; Geographical Information Systems;
 - Groundwater; Mercury/Metals in the Environment;
 - Persistent Organic Pollutants; Pharmaceuticals and Personal care Products;
 - Source Water Protection; and Water/Wastewater/Sewage Treatment.



Best in Science (cont'd)

Supported research areas and projects

- For more information, please contact the Best in Science Program at:
 - bestinscience@ontario.ca
 - Tel: (416) 314-4347



Thank You

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Protecting our environment.



Ontario