



City of Toronto

Sustainable Energy Use Directory

The 2000 Essential Directory of Groups, Projects, Initiatives and more!



Allen Kani Associates

Allen Kani Associates is a consulting engineering firm that specializes in energy-efficient and environmentally appropriate design and engineering of residential, institutional and commercial buildings. Related activities include research, development, technical transfer and policy definition for the low energy building industry.

We believe that sustainable architecture seeks not only to merely lighten the negative consequences of current practice but to enhance ecological health and support equitable allocation of life support to all beings. Buildings should be designed and constructed to:

- require only renewable energy sources for their construction and operation;
- use materials that can be bioregenerated or are reusable and extracted such that bioproductivity is undiminished;
- increase habitat for biodiversity and build bioregional integrity;
- eliminate pollutant, toxic and waste discharges;
- enhance natural hydrology and water quality;
- provide health improving environments for occupants that support equity and contributive livelihoods;
- reflect a vision of positive human participation in the cosmological evolution of our living planet.

Major activities/services

- engineering design of sustainable buildings and infrastructure
- sustainable development planning
- program design for DSM and renewables
- renewable energy systems including wind, PV, methane digesters, small hydro, hydrogen, district energy, cogeneration.

Resource base

- consulting services over \$200,000; 3 engineers and support staff

Our main interaction with the public occurs through our membership in the organizations mentioned above. However, we do have many energy publications available on a limited access basis.

Contact

Suzanne Board, Office Manager

Allen Kani Associates

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Classification

consulting, engineering, advocacy



City of Toronto

Key mission

- Improve the energy efficiency of City of Toronto facilities and operations
- Reduce utility operating costs
- Reduce CO₂ emissions in City operations.

Major activities/services

- Track and monitor energy consumption and costs of all City of Toronto facilities and operations
- Investigate and recommend energy efficiency improvements in City buildings and operations
- Design and carry out energy efficiency improvements in City facilities.

Resource base

City of Toronto operating and capital budgets.

Key resources

Energy consumption information on City of Toronto operations.

Contact

Jim Kamstra, Energy Management

City of Toronto

Corporate Services

Facilities & Real Estate Division

500 University Avenue, 9th Floor

Toronto, Ontario M5G 1V7

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Classification

City of Toronto



Enbridge Consumers Gas

Enbridge will go beyond all others to deliver energy and related services to North America and International customers. The corporate vision encompasses the following themes:

Service Business: Our primary business is that of delivering energy and other services which are complementary to the delivery of energy - including the marketing of energy and related products and services;

Competitive Excellence: We will distinguish ourselves in the marketplace through quality, reliability and responsiveness in our services;

Agility and Innovation: We will extend ourselves beyond traditional boundaries to develop services which best meet our customer needs;

Customer Focus: Our success will be measured by whether our customers see us as surpassing others in meeting their needs.

Enbridge's key objectives are to provide long term value through the achievement of total shareholder return that is superior to comparable companies.

We have developed six strategic thrusts that will serve as a blueprint. They are:

- Developing our core pipeline and gas distribution business;
- Enhancing profitability through the continued application of incentive rate mechanisms and cost-effective operations;
- Developing natural gas pipelines;
- Establishing an electric power distribution and related co-generation business;
- Expanding internationally; and
- Making a measured entry into unregulated retail energy services markets.

Resource base

Approved rate base that consists of allowable return on equity and recovery of 07 M cost. Our Energy Efficiency budget is about \$6 million.

Key resources

Newsletters, brochures, booklets, bill inserts, direct mail flyer, trade shows/exhibits.

Contact

Marion Fraser, Director of Marketing

Enbridge Consumers Gas

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North York, Ontario, M2J 5B5

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Email/website:
marion.fraser@cgc.enbridge.com

Classification

consulting, advocacy, utility



City of Toronto Works and Emergency Services

Energy Efficiency Office

Better Buildings Program - BBP

The BBP is an innovative program which helps building owners improve and modernize buildings through energy and water retrofits.

Contact

Richard Morris

Manager, Energy Efficiency Office

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M5H 2N2

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website: www.torontobbp.on.ca

Sponsors/Partners

Toronto Atmospheric Fund (TAF)

Enbridge Consumers Gas

Toronto Hydro

Category

Municipal agency



Greenest City

Mission

To work with Toronto's diverse communities to take action to reduce greenhouse gases, improve air quality, better the health of its residents and regenerate urban life.

Goals

- Reduce greenhouse gas emissions and protect our climate.
- Improve air quality.
- Better the health and well being of urban residents
- Green and beautify our neighbourhoods.
- Mitigate energy consumption while improving transportation
- Educate the public about environmental issues.
- Involve diverse communities in environmental solutions.

Major Activities/Services

Active and Safe Routes to School (A & SRTS) program

Walk a Child to School Day

No energy to Waste

Multicultural Greening Project

Feeding the City from the Back Forty: Food Miles and Regional Agriculture

Contact

Greenest City

238 Queen St. W., Lower Level

Toronto, Ontario M5V 1Z7

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Fax: 416- 392-6650

E-mail: greenest@web.net

Classification

NGO



Greenpeace Solar Pioneers Campaign

Greenpeace's Solar Pioneers campaign is working to promote solar-energy production in urban markets.

Mission and Goals

To promote small scale rooftop solar systems in new, urban markets, with a focus on the City of Toronto. The ultimate goal is to encourage and expedite the growth of the consumer base to a level where systems can be mass produced on a scale large enough to become cost-competitive with fossil fuels and nuclear energy.

Activities/Services

In 1998/9 we organized a bulk purchase of 200W, grid-interactive solar rooftop systems. The program achieved a savings of better than 15% for participants. We also generated a database of more than 2000 people who inquired about the campaign, and were sent information.

Resource Base

Member funded non-profit.

Publications, etc.

Our solar information package has been distributed to more than 2000 people. It includes a summary of the 1997 BP-Solar report on cost-effective mass-production of solar systems, information on grid-interactive technology and on joining the Solar Pioneers bulk purchase list.

Contact

David Gourlay

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Toronto, Ontario M5T 1N5

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solar.canada@dialb.greenpeace.org

Website:
www.greenpeacecanada.org

Classification

NGO



GreenSaver

Toronto's residential energy audit and retrofit organization.

GreenSaver works with governments, private interests and community organizations to realize environmental improvement in Toronto through the direct provision of services.

Major Activities/Services

Residential energy audits and retrofits. We use the national EnerGuide for Houses auditing protocol under license from the federal government.

Resource Base

Largely user-pay, although some support comes from grantors and other funders, such as TAF, Consumers Gas, Corporate supporters, etc.

We are not primarily an education organization - other than what we do while providing service in the home - which includes extensive education. We are not a product retailer. We do install some energy saving products.

Contact

David Gourlay

GreenSaver

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Classification

Consulting, Residential Energy Services.



International Council for Local Environmental Initiatives (ICLEI)

ICLEI is an association of local governments dedicated to the prevention and solution of local, regional and global environmental problems through local action. More than 300 cities, towns, countries, and their associations from around the world are Members of the Council.

ICLEI was launched in 1990 as the international agency for local governments under the sponsorship of the United Nations Environment Programme, the International Union of Local Authorities (IULA), and the Center for Innovative Diplomacy.

ICLEI's mission is to build and support a worldwide movement of local governments under the sponsorship of the United Nations Environment Programme, the International Union of local Authorities (IULA), and the Center for Innovative Diplomacy.

ICLEI Membership provides access to a worldwide network of peers. This peer network is supported with facilitated information exchange, diverse training opportunities, and printed materials. Through its campaigns and the International Training Centre in Freiburg, Germany, ICLEI provides a wide array of training programs focusing on issues such as environmental budgeting, environmental assessment, sustainable transport, eco-procurement, reduction of ground level ozone, and management of green spaces. ICLEI routinely provides its Members with:

- international training programs
- professional exchange
- conferences and workshops
- research projects
- technical support
- recognition of good practice
- environmental management toolkits
- newsletter and case study series
- policy and practice manuals
- interactive website
- international advocacy

One of our major campaigns is the Cities for Climate Protection (CCP™) is a global campaign to slow earth's warming trend and to improve local air quality and urban livability. The CCP operates a variety of technical assistance projects that focus on innovative approaches to financing and implementing energy-efficiency measures in municipal and commercial buildings, reducing greenhouse gas emissions through effective waste management programs and land-use planning, and developing strategies and programs to reduce emissions in the transportation sector.

Contact

Karen Alebon

International Council for Local Environmental Initiatives (ICLEI)

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Website: www.iclei.org

Classification

NGO



Resource Base

ICLEI is funded in part by membership fees. Other funding is on a project basis and comes from national governments, the European Union, United Nations agencies and other international institutions, provincial/state and local governments, private foundations, and the private sector.

Our key publications include our Local Agenda 21 Planning Guide as well as a number of other publications related to Local Agenda 21. Publications related to energy include: Local Government Implementation of Climate Protection - Report and Case Studies; Saving the Climate, Saving the Cities; Green Fleets; Commenting in the Greenhouse, Automobile Trip Reduction for Municipal Employees; Profiting from Energy Efficiency, Steps to Successful Energy Management. CCPTM members also have access to ICLEI's Greenhouse gas emission software. We also publish an ongoing series of Case Studies related to a variety of environmental issues at the local level.



IPPSO, Independent Power Producer's Society of Ontario

Non-profit membership association promoting sustainable non-utility generation.

Key Mission and Goals

Promotion of sustainable non-utility generation.

Major Activities/Services

Conferences, Trade Shows, Directories, Magazines, Public Advocacy and Member Services.

Resource base

Memberships and sale of services.

Key resources

IPPSO FACTO magazine, Canadian Power Director, annual conference and trade show, website.

Contact

Jake Brooks

Independent Power Producer's Society of Ontario

P.O. Box 1084, Strn. F.

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E-mail: IPPSO@web.net

Website: www.newenergy.org

Classification

advocacy



Learning for a Sustainable Future - Ontario

LSF-Ontario is a non-governmental organization created to promote education for sustainability throughout the formal school system in Ontario.

LSF-Ontario (formerly the Ontario Learning for Sustainability Partnership) was established in 1994. Its mandate involves:

- Developing a strategic framework and tools for the integration of the concepts, content (knowledge, skills and values) and methodologies of learning for sustainability in policies of Ministries of Education, school curricula, and teacher education and professional development; and
- Facilitating and supporting the establishment of networks and partnerships of teachers, administrators, school boards, students, parents and other stakeholders in every Canadian province and territory, committed to processes of lifelong learning for a sustainable future.

LSF-Ontario delivers a strategic approach to sustainability education that includes: curriculum policy development, professional development, sustainability curriculum materials development, capacity building, and the creation of a Web site.

Funds are raised from government, private sector and foundations.

Key Resources Available to the Public

- Web site
- Case studies/inquiries
- Classroom materials

Contact

Pamela Schwartzberg, Director
220 McLaughlin College,

York University,

4700 Keele Street,

North York, Ontario, M3J 1P3

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Website:
www.schoolnet.ca/vp/learning

Classification

NGO



OntAIRio Campaign Clean Air Plan Campaign

Emissions of nitrogen oxides (NOx) from Ontario electricity utilities must be limited to 6,000 tonnes per year by 2005. This represents an 84% reduction from the inadequate Ontario Hydro commitment and is recommended by the Ontario Medical Association in order to improve public health. Automobiles are also a major source of nitrogen oxides emissions and the Government of Ontario must commit to working on this problem.

Total emissions of sulphur dioxide (SO₂) in Ontario must be reduced by at least 75% by 2005. This reduction is the recommendation of the Ontario Medical Association in the interest of public health. Sulphur dioxide is a major source of particle pollution in smog and causes acid rain.

The Province of Ontario must commit to the virtual elimination of mercury emissions by 2005. Mercury is a highly toxic, bioaccumulative, persistent substance. This is an endorsement of the Great Lakes Water Quality Agreement goal for mercury emissions. Coal-fired power plants release significant amounts of mercury into the environment.

What you can do

- Write to Premier Mike Harris and your own MPP. Encourage them to protect Ontarians from air pollution by adopting Nox emission controls from coal-fired power plants that are comparable to those in the United States. Tell them you support the OntAIRio Campaign Clean Air Plan and that you expect their commitment to it.
- To help make clean air a reality please send your donation to: The OntAIRio Campaign, Suite 237, 517 College St., Toronto, ON M6G 4A2

The OntAIRio Campaign is a joint effort of the Sierra Club of Canada, the David Suzuki Foundation and the Toronto Environmental Alliance (TEA).

Contact

The OntAIRio Campaign

Phone: 416- 960-9202

Fax: 416- 960-0020

Email: ontairio@interlog.com

Web Site: www.ontairio.org

Sierra Club of Eastern Canada

#237 - 517 College Street

Toronto, ON M6G 4A2

Phone: 416- 960-9606

Fax: 416- 960-0020

Email: sierraec@interlog.com

Sponsors/Partners

Sierra Club of Canada; David Suzuki Foundation; Toronto Environmental Alliance (TEA)



Ontario Hydro Technologies

Ontario Hydro Technologies is the research division of the utility and provides consulting services in the electrical field to the utility as well as external clients. Over the past twenty-five years, OHT has carried out research and development projects in several renewable energy fields including photovoltaic systems in Canada. Photovoltaic systems as well as wind turbines have been installed throughout the Province of Ontario, from remote northern communities to downtown Toronto. In addition to the work in renewable energy, HT staff also has extensive experience in energy efficiency including building analysis, appliance performance and ground source heat pumps.

OHT's mission is to provide technologies and services that will sustain our world for generations to come.

OHT provides consulting services in the following areas: PCB Decontamination, Biodiversity Monitoring, Integrated Resource Consulting, Sustainable Development Demonstration Projects, Energy Efficient Technologies.

OHT provides numerous publications in various technical fields.

Contact

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E-mail: drewespl@rd.hydro.on.ca

Classification

engineering



Ontario Power Generation Inc.

Key Mission

Under development (likely available after April 1st)

Major Activities/Services

Supply of bulk wholesale electricity.

Resource Base

Revenues derived from sales of electricity.

Key Resources

Information on our website on products and services available to our customers at www.directelectricity.com.

Contact

Murray Paterson

Ontario Power Generation Inc.

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E-mail:
murray.paterson@ontariopowergeneration.com

Classification

electrical generating utility



Sierra Club of Canada, Greater Toronto Group

Environmental Group staffed by volunteers to help improve environmental conditions in the Greater Toronto Area

Key Mission and Goals

To find solutions to the Greater Toronto Area's environmental concerns and to help implement these solutions so as to help turn Toronto into a World Environmental city.

Major Activities/Services

They include:

- a) An Air Quality Campaign
- b) A Conservation Campaign around the Lands for Life Recommendations
- c) A Summer Children's Outing Program
- d) An Educational Outings Program
- e) A Speaker's night Program
- f) A Fund Raising Program
- g) A Membership Drive Program
- h) A Communications Section involving a List Serv, Web Page and Newsletter.

We also collaborate with the Chapter (Regional Group), the National Club and the US based office in San Francisco.

Resources come from our community volunteers, Financing comes from membership dues and private and corporate donations. As we are a new club our budget is in the process of being determined.

The public can contact our Chapter Office for Sierra Club publications and educational materials. The Greater Toronto Group offers speaker's nights, work group meetings, and educational outings on a regular basis (usually monthly). The public is welcome to attend these and get more involved at the grass roots level in their community on issues that matter to them. Ideas and motivation are very much supported.

Contact

Nick Arrizza

Sierra Club of Canada

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Toronto, Ontario M6G 4A2

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E-mail: narrizza@on.aibn.com

Website:

www.sierraclub.ca/eastern/toronto.html

Classification

academic



Toronto Atmospheric Fund

The Fund was created to help Toronto meet its goal of reducing greenhouse gas emissions by 20% by 2005. It provides loans and grants to a variety of group and organizations which take action to stop greenhouse gases and climate change.

Key Mission and Goals

- To promote global climate stabilization through reduction of emissions of greenhouse gases and greenhouse gas precursors into the atmosphere.
- To promote public understanding of climate change and its implications for our urban environment.
- To promote reduction of green house gas emissions through energy conservation and efficiency.
- To create and preserve urban green spaces that act as carbon sinks, absorbing carbon dioxide from the atmosphere.
- To provide support and funding for community projects related to these goals.

Major Activities/Services

Home Energy Efficiency

Commercial Energy Efficiency

Transportation

Renewable Power

Communications, Training and Public Education

Research

Schools

Renewable Energy in Toronto Parks

Landfill Methane

Co-op Green House Renewable Fund

Resource Base

Endowment of \$23 million from the sale of city of Toronto property; interest from loans, investment of capital.

The Toronto Atmospheric Fund provides grants and loans to organizations in the City of Toronto for activities which reduce or sequester greenhouse gas emissions. We Also act as a resource for information and partnerships.

Contact

Stephanie Thorson or Jennifer Morrow

Toronto Atmospheric Fund

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Toronto, Ontario M5G 1V7

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E-mail: taf@city.toronto.on.ca

Website: www.city.toronto.on.ca/taf

Classification

The Toronto Atmospheric Fund is an agency of the City of Toronto. We don't fit into any of your categories, and we're not really "government" either.