



City of Guelph

ENVIRONMENTAL SERVICES

Report:

TO: Community Development & Environmental Services Committee

DATE: November 9, 2007

SUBJECT: Community Energy Plan – Update Report to the Community

RECOMMENDATION:

THAT the report of the Director of Environmental Services dated November 9, 2007, providing an update to the community on implementation of the Community Energy Plan, be received.

BACKGROUND:

In 2004, a community consortium was formed to develop a Community Energy Plan for Guelph. A Community Energy Plan (CEP) is a long-term look at how a community uses energy, to identify future energy needs for a growing municipality, and to guide future efficient and sustainable energy use in the City. The benefits of developing a CEP include energy efficiency, cost-savings, economic competitiveness, and a more sustainable future for Guelph.

Early on in the process, it was acknowledged by the community consortium that one of the keys to success for the CEP was going to be its successful integration with other City and stakeholder programs, such as the City's Local Growth Management Strategy and Guelph Hydro's Conservation and Demand Management plan.

On June 6, 2006, the CEP process was officially launched in Guelph with Garforth International hired as the consultant to develop the Plan in coordination with the CEP Consortium and City staff. The Plan was presented to the community in early 2007.

At their meeting held April 23rd, 2007, Council received endorsement of the CEP from a large number of local organizations who were members of the CEP consortium. Council passed the following resolution:

“THAT Guelph City Council receives the Community Energy Plan from the CEP Consortium;

AND THAT Guelph City Council endorse the Vision, the Goals and the directions provided in the Community Energy Plan as the basis for community energy planning in Guelph;

AND THAT six (6) cross-departmental teams of staff be directed to work with our partners and other stakeholders to implement the directions provided in the Community Energy Plan, and undertake feasibility studies leading to action plans relating to scale projects, and to report back to Council and partner agencies during the third quarter of 2007;

AND THAT the Director of Environmental Services be directed to work with Guelph Hydro to develop a protocol for ensuring overall project coordination, reporting back to partners on progress, future partnership options, advocacy and engaging the community;

AND THAT Garforth International be thanked for their efforts in completing the Community Energy Plan;

AND THAT the Consortium partners be acknowledged and thanked for their leadership in developing Guelph’s Community Energy Plan.”

The Vision of the Community Energy Plan is:

“Guelph will create a healthy, reliable and sustainable energy future by continually increasing the effectiveness of how we use and manage our energy and water resources.”

The CEP Goals are:

1. Guelph will be the place to invest, supported by its commitment to a sustainable energy future;
2. Guelph will have a variety of reliable, competitive energy, water, and transport services available to all;
3. Guelph energy use per capita and resulting greenhouse gas emissions will be less than the current global average;
4. Guelph will use less energy and water per capita than comparable Canadian cities;
5. All publicly funded investments will visibly contribute to meeting the other four CEP goals.

The goals are aimed at reducing Guelph's overall energy usage while the City experiences rapid growth over the next 25 years. The recommendations and targets outlined in Section 11 of the CEP set out the directions to help the City achieve the CEP's Vision and Goals.

In addition to the goals, the Plan identifies a number of potential projects of significant size ("Scale Projects"). To achieve early and meaningful success, six (6) projects were identified for implementation in the short-term, including:

1. Development of an integrated energy and water master plan for the south end of Guelph, including the industrial parks and the south end community, to be implemented in a time frame consistent with the phased development of the industrial parks;
2. Development of an integrated energy and water master plan for St. Patrick's Ward, to be implemented in a time frame consistent with the planned infrastructure renewals (e.g. sewer upgrades);
3. Development of an integrated energy master plan for the University, based on the commitment provided by the President of the University;
4. Work with Natural Resources Canada to undertake a pilot in Guelph for their new Energy Performance labeling program;
5. Development of a multi-utility energy services concept, including demonstrations such as the "Thousand Solar Roofs" project;
6. Review of development approval process to consider tools/incentives to encourage/promote energy efficient growth.

REPORT:

In 2007, the CEP has had tremendous impact within the City of Guelph and beyond.

The following provides an update on all actions undertaken to date to implement the CEP, including the six scale projects identified by Council for action during 2007, plus additional projects that staff and the community have identified and initiated to achieve the directions of the CEP. A summary of activities to date is provided in Appendix "A" - 2007 Community Energy Initiatives.

Scale Project 1) - South End of Guelph - Hanlon Business Park - Phase II:

- Project Chair: Ian Miles, Guelph Hydro;
- Project description: Combined heating power generation plant with residual heat sold to commercial customers in the business park;
- Two meetings held with City staff (Community Design & Development Services - Economic Development and Environmental Services), Consultants and Guelph Hydro to undertake preliminary analysis;

- Community Design & Development Services' staff have provided mapping and preliminary site layout information to enable feasibility study to proceed;
- Feasibility work to be completed late 2007;
- If feasibility report is attractive, proposal will be prepared by Guelph Hydro to present to City.

Scale Project 2) - St. Patrick's Ward:

- Project Chair: Ian Miles, Guelph Hydro;
- Project description: Consideration of a district heating facility to capture and distribute residual heat from Owens Corning plant to one or more larger customers in immediate area;
- Two meetings held with City staff (Community Design & Development Services and Environmental Services), Consultants and Guelph Hydro staff to begin analysis;
- Feasibility work to be completed late 2007.

Scale Project 3) - University of Guelph:

- Project Chair: Ian Miles, Guelph Hydro;
- Project description: Combined heat and power generation plant;
- Guelph Hydro considering a long term contract to sell thermal load to University, electricity to be used on campus and sold to OPA under Clean Energy Standard Offer Program;
- Three meetings held to date with Guelph Hydro, consultants and University staff;
- Feasibility study completed - attractive business case;
- Predicted to avoid 16,000 tonnes per year of CO2 emissions;
- Meetings scheduled with University to share results and to move to a proposal stage.

Scale Project 4) - Energy Performance Labeling Pilot (Natural Resources Canada):

- Project co-chairs are Martin Lavictoire and Murray McCrae;
- City staff have been in discussion with Natural Resources Canada (NRCan) to participate in a Canada-wide Building Labeling Pilot project;
- Early discussions were leading towards Guelph being an early pilot community for this NRCan project;
- Project delayed due to realignment at NRCan and change in project direction;
- New Direction: NRCan has just released a Request for Proposal for their Building Labeling Project. Guelph will submit a proposal by the November 15, 2007 deadline;
- In addition, Corporate Services - Corporate Property staff are considering the development of a comprehensive green building policy aimed at setting standards for new and existing City facilities.

Scale Project 5) - Development of a Multi-Utility Energy Services Concept, Including Demonstrations such as the “Thousand Solar Roofs” Project:

- Co-chaired by Andrew Lambden of Terraview Homes, and Art Stokman of Guelph Hydro;
- Project Description: To install 1000 solar roofs or similar solar photovoltaic projects in Guelph;
- Solar power will be a key renewable resource for Guelph aimed at reducing peak demands for electricity during the summer. Solar panels are most productive during sunny periods when air conditioning use is prevalent.

The following solar projects are ongoing or under development within the community:

- (a) The first project consists of the construction of a large solar panel on Woodlawn Road in Guelph. The project involves several partners including: Terraview Homes, Guelph Residents Advocating Sustainable Power (GRASP), the City of Guelph (Environmental Services), Guelph Hydro, NextEnergy and Natural Power Projects. The sun tracker solar array will be residential scale, clearly visible from the road and all traffic going to the Guelph Lake Sports Fields. It is anticipated that a good cross-section of Guelph’s population, including young families and children, will see it and generate further interest around solar power and energy conservation. The pilot project will be available for viewing by the solar group and other members of the community, and will be designed to participate in the OPA’s Standard Offer Program (SOP).

Guelph Hydro’s contributed through C&DM funding to the purchase of components of the installation.

The pilot project will go beyond just the solar array; it is also anticipated to include a rain water cistern, solar hot water system, and geo-thermal heating and cooling.

Installation expected to be complete by late 2007.

- (b) Guelph Hydro and Environmental Services staff have had discussions with Sunpark Energy Corp., a company interested in establishing a solar park within the boundaries of Guelph. There are currently discussions with McNeil Consumer Healthcare about their site as well as discussions with City staff on a solar park at the former Eastview Road Landfill Site. Staff have had discussions with the MOE re restrictions regarding an installation on the landfill cap.
- (c) Guelph Hydro and Environmental Services staff have met with a consulting firm regarding the release of a Request for Proposal regarding siting of solar panels. Discussions are ongoing.
- (d) Guelph Campus Co-op Energy Efficient Student Housing Project has recently completed a 12 room housing complex on College Avenue West in

Guelph. This house features many energy efficient technologies, including rainwater harvesting, a green roof and solar panels.

- (e) The University of Guelph Solar Project: As part of their fourth year colloquium course in Environmental Science, six students are investigating the current 'state of solar' power in Guelph, Ontario, Canada, and the World. Over the next eight months, six students will be working to develop a status report and working closely with project partners and other community members with respect to current solar projects in Guelph.

In addition to solar projects, there are also the following initiatives considering renewable energy sources from biomass:

- i. Local entrepreneur attracted to Guelph and has located a biomass generation facility, utilizing waste wood to generate energy;
- ii. City (Environmental Services) is undertaking capital upgrades in 2007/2008 to reopen the cogeneration facility at the Wastewater Treatment Facility;
- iii. City (Operations Department) is considering expanding the current use of biofuels in the City's buses to use throughout the City's fleet;
- iv. City (Operations Department) has purchased two energy efficient vehicles to determine suitability for the City's fleet. Operations purchased a Smart Car in 2006 and has been testing it with various departments. The Smart Car is currently with Building Services where it will remain for the duration of its life cycle. Parking Services has purchased a Honda Hybrid in mid 2007 and will test it for the next three years;
- v. Through current Solid Waste Master Plan process, the City (Environmental Services) will explore the feasibility of co-generating energy from residual waste (i.e. waste post-recycling, post organic waste processing).

Scale Project 6) - Review of Development Approval Process to Consider Tools/Incentives to Encourage/Promote Energy Efficient Growth:

Project Chair: Jim Riddell, Director of Community Design & Development Services.

Currently, Community Design and Development Services staff are undertaking three significant policy studies that will influence the development of the City of Guelph for at least the next thirty years. These studies include:

- (a) The Urban Design Action Plan;
- (b) The Local Growth Management Study; and
- (c) The Official Plan Update.

The Local Growth Management Study and the Urban Design Action Plan studies provide the backbone for the Official Plan Update which will encompass a wide

range of policies and guidelines for the long term development of the City. The Official Plan provides the framework to incorporate environmental sustainability into municipal decision making. It will provide policies for achieving long term community energy planning and selecting land use and community design options based on their ability to make the most efficient use of energy. The Community Energy Plan (CEP) is intended to drive decision making towards the goal of a reduced energy footprint. Essentially, the CEP forms the basis for land use planning and building design for the City.

Current staff workload and staff complement do not provide adequate resources to proficiently implement the CEP. As such, research is needed to ascertain which are the best methods and strategies to implement the Plan using planning tools afforded under the Ontario Planning Act. Monies have been set aside in the Studies portion of the CDDS capital budget for the 2008 and 2009 to retain expertise to update the Official Plan as well provide input to the land use planning for the Guelph Innovation District located south of York Road. (formerly Guelph Reformatory lands).

These funds will also assist in the review of the development approval process to consider tools/incentives to encourage/promote energy efficient growth and help choose and schedule the type of development that will lead to the fulfillment of the CEP goals. The funds will facilitate the examination of energy implications of land use planning and transportation and recommend how to bring future land use and transportation planning in line with energy reduction and efficiency goals. Research will also will potentially help in the development of upfront sustainability codes and standards and build them into the development approval process. There will be an exploration of incentives and other approaches to implement the 2012 Ontario Building Code requirements and look at green building design innovations and building retrofits.

Additional scale projects which have been identified since the April 23, 2007 Council meeting and which are under consideration:

Scale Project 7 - Provincial Data Centre:

- Project Description: Government is outsourcing ownership and operation of a new Provincial Data Centre to be located in Guelph. The City and Guelph Hydro were interested in exploring a district energy facility for this development;
- Two meetings have been held involving Guelph Hydro and City staff (CD&DS - Economic Development), and the Province;
- LEED's certification is part of design requirements;
- Responses to RFP are due from private sector developers in December, 2007, therefore timelines are tight;
- Province did not want complications at this stage of development (e.g. co-generation or peak-shaving generation);
- The Province is open to discussions on co-generation as an add-on after facility is operational (2010);
- No further work on this project at this time.

Scale Project 8 - Ecotricity - District Heating Using Residual Heat from Ecotricity:

- Project Description: Residual heat from Ecotricity facility to be captured and distributed to one or more subdivisions to be built adjacent to City's former Eastview Landfill Site, or alternatively to a City facility;
- Approximately seven meetings have been held with consultant, developer and Guelph Hydro;
- Draft Feasibility Study underway with one developer;
- If feasibility report is attractive, proposal will be prepared by Guelph Hydro to present to the developer;
- Alternative uses of heat include use in City facilities, e.g. Victor Davis Pool and City greenhouses. Discussions ongoing with staff from Environmental Services and Corporate Services - Corporate Property Division.

Scale Project 9 - York Lands:

- Project description: Province has engaged a consultant to create various development scenarios for the property;
- Discussions have been held regarding this property being a showcase for sustainable energy management and usage. This is an opportunity to develop a fully integrated energy and water plan;
- Meetings held with City staff (Community Design & Development Services and Environmental Services), consultant and Guelph Hydro staff to begin analysis;
- Community Design & Development Services' staff have provided mapping and preliminary site layout information to enable feasibility study to proceed;
- Need to consider this project after release of Province's proposed land use document to determine if there is an opportunity to undertake a feasibility study.

Scale Project 10 - New South-End Emergency Services Facility:

- The New South-End Emergency Services Facility will serve as an example of a facility that supports many objectives of the Community Energy Plan. Council made the decision through a resolution passed in early September, 2007, to ensure the building was built to energy efficient standards. The facility is being planned with building components and mechanical systems that demonstrate leadership in energy efficiency and design. The City (Emergency Services) are currently in the final planning stages of the space requirements for the new station, which is to be built by the 1st quarter of 2009.

In addition, a number of other significant City/community initiatives have been initiated, as described below.

1. The Mayor's Megawatt Challenge:

The Mayor's Megawatt Challenge, a project developed by the Toronto Region Conservation Authority (TRCA), involving about a dozen municipalities, is sharing best practices in order to help save energy in our City facilities. As part of this project, the Green Building Council of Canada recently presented its **LEED Complete** program which is intended to help municipalities develop a

comprehensive program with respect to green buildings and green initiatives. When this program is launched, staff will investigate the cost and benefit of such a program.

2. Energy Audit of the Victoria Road Recreation Centre:

As part of the Mayor's Megawatt Challenge, the City (Corporate Services - Corporate Property and Environmental Services) participated in an energy audit at our Victoria Road Recreation Centre. A final report was presented to the City this summer and staff are considering possible retrofit projects and their relative payback. Funding for this type of retrofit work is available from ecoENERGY Retrofit Incentive for Buildings, and Electricity Retrofit Incentive Program (ERIP).

3. Reid's Heritage Group's New LEED's Platinum Home in Guelph was completed in July of 2007. This innovative home in Guelph's south-end has many energy efficient features and is the first LEED Platinum home in Canada and is ranked #1 out of 7 LEED Platinum homes in North America. It has been recognized by the Chief Conservation Officer of Ontario, Peter Love.

4. Guelph Environmental Leadership - Green Impact Guelph Project:

The City is partnering on a community scale project with the Guelph Environmental Leadership and others. The Green Impact Guelph (GIG) project is designed to drive massive change in household energy reduction. The GIG project will draw upon existing provincial and federal programs and local community partnerships. Project funding (\$148,133) has been received from the Ministry of Energy (\$50,000) and other cash funders (\$78,700) and in-kind contributions (\$19,400). The GIG project will drive energy, water and transportation reductions through training, assistance, products and incentives and innovative benchmarking, to achieve aggregated progress, which is measurable at the neighbourhood level.

GEL, in partnership with the City, will undertake:

- A Community Behaviour/Barriers Survey;
- Household Energy, Water and Transport Conservation Action Summaries; and
- Green Leadership training program.

The program will provide Guelph citizens with multiple engagement tools designed to assist, promote, and track conservation efforts in as many homes as possible. Through skills training, thirteen Neighbourhood Groups and interested Guelph citizens will create community-based expertise. Green Leaders will be equipped to undertake installation activities with non-profit and for-profit service providers. Green Leaders will publicly launch the project through a targeted door-to-door campaign operated in conjunction with phase two of the Guelph Porchlight Project. GIG materials will be packaged to introduce and promote the GIG project specifically and will include a green product bundle, product information and City-wide conservation material.

5. Guelph Environmental Leadership - OPA Project Supporting Energy Productivity Improvements in Guelph:

The City is partnering with Guelph Environmental Leadership on this project which will enhance energy conservation in the residential sector of Guelph by providing:

- A benchmarking platform where residents can compare their actual household energy (electricity, gas, transportation) and water usage with all other households and with similar households;
- A kiosk system to provide community access to sustainability indicators and improve their knowledge on energy and conservation; and
- Innovative and interactive educational materials relating benchmarking, indicators and behaviour to energy and conservation topics.

Project funding (\$520,940) has been provided by the Ontario Power Authority (OPA) (\$233,760) and other cash funders (\$76,200) and in-kind funders (\$210,980).

6. Green Electricity Purchase - Bullfrog Power:

The Environmental Services Department has been investigating the potential of purchasing green electricity as part of the CEP implementation and our commitment to renewable energy. In September 2007, City Council requested that we investigate the costs of supplying 10-20% of City electricity usage from wind. In addition, we are investigating purchasing green electricity to power our Waste Resource Innovation Centre. Staff have been in discussion with Bullfrog Power, who are the leading supplier of wind electricity in Ontario and Canada.

Bullfrog Power provides a convenient way to support locally generated renewable power. Bullfrog's power comes from clean, green sources like wind and low-impact water power. All of their generators have received Environment Canada EcoLogo^M certification. The premium charged by Bullfrog to supply clean electricity is 3 cent/KWh (or \$30.00 per Megawatt Hour).

Based on discussion with Bullfrog Power, staff recommend looking at purchasing green electricity to cover one or two complete City facilities equivalent to 10-20% of our total use. Environmental Services will be putting an expansion package forward for 2008 which will include the cost and benefit of such an initiative.

In addition, the Association of Municipalities of Ontario (AMO) has launched a program which is looking to purchase green electricity from Bullfrog Power in bulk to help lower costs. If the collective yearly target is met, participating municipalities will receive an additional 5% discount on green power pricing from Bullfrog Power. In order to achieve a 5,000-tonne CO₂ reduction, AMO members will need to collectively purchase just over 7,000 megawatts of green electricity from Bullfrog Power. Staff are investigating this opportunity and will include more information on its availability in the budget expansion package.

7. Operation Power-Down:

In response to the 2003 power blackout, the City of Woodstock first challenged Ontario municipalities to a contest to see which City could lower its power use the most on August 13, 2006. Again in 2007, the same challenge was issued. To help draw attention to the City's participation in this important initiative, Mayor Farbridge re-challenged Mayor Michael Harding of Woodstock to a one-on-one City challenge to see who could perform the best on August 14, 2007. Guelph won the challenge with Woodstock and placed fourth overall for the Province. We improved on our results from the previous year due to a higher level of participation from residents and businesses. City Departments involved in this initiative include Corporate Services - Corporate Communications and Environmental Services.

8. Project Porchlight:

Phase I of the Compact Fluorescent Light bulb (CFL) give-away was held in early 2007. Approximately 10,000 CFLs were given out to community members. Another 30,000 CFL bulbs will be distributed beginning in the fall of 2007 as part of a larger energy bundle (see GIG project above). This City initiative (Community Services - Community Development) is funded by the Ministry of the Environment's Community Conservation Initiative.

9. Guelph Hydro Summer Savings Stampede:

Guelph Hydro launched a four-part energy conservation program in the summer which included:

- The Great Refrigerator Round-up;
- Peaksaver program;
- Summer Savings program; and
- Electricity Retrofit Incentive Program (ERIP).

All four projects are aimed at peak shaving and energy conservation.

10. Formation of a New CEP Entity:

While the CEP recommends the creation of a new City position ("City Energy Manager") to administer various aspects of the Plan, it does not describe how the CEP should be governed, structured and funded. Guelph Hydro and City staff are recommending that a new CEP entity be formed, to be governed by a board of directors that represent a broad constituency of energy users and providers in the community, and staffed with a manager/executive director (to be funded by Guelph Hydro).

Corporate Services – Staff from Legal Services and Economic Development are currently reviewing the following alternative structures for the new entity:

- Agency;
- Board;
- Commission;

- Municipal Service Corporation;
- Economic Development Corporation.

Regardless of the form chosen, the objective is to maximize both the visibility and flexibility to fulfill the mandate of administering the CEP.

Terms of Reference for the New Entity:

The following high-level terms of reference have been developed by staff of Guelph Hydro and the City, in consultation with several of the CEP's original consortium members.

- Market the CEP as a competitive advantage to attract commercial development and retain jobs in the City of Guelph;
- Serve as a general point of contact for individuals or organizations who are interested in learning more about the CEP;
- Act as a liaison between public/private sector investments and the City for potential CEP projects;
- Measure and report on results (success and failures) achieved by the CEP against original targets.

The following items are **excluded**:

- The new entity is not intended to be a regulation or approved body. Investors in CEP related projects will be encouraged to demonstrate alignment to the goals of the CEP;
- Investing any of its capital in CEP projects;
- Earning fees for origination or placement of capital funding.

The City and Guelph Hydro recently released a Request for Proposal for the development of a business plan for this new entity. The business plan document for the new CEP entity will contain the following:

- A mission/vision statement;
- Detailed terms of reference (mandate);
- Governance structure and process;
- Staffing requirements (including position descriptions);
- Operation plan:
 - Key activities;
 - Marketing plan;
 - Interface with other government agencies/programs.
- Three-year operating budget;
- Sources of funding and funding model.
- The new entity should have its own office and brand identity to maximize its visibility and effectiveness. Discussions will be held with Corporate Services - Corporate Property regarding having the office located in the new Civic Administration Centre. In the interim, offices will be located in the new Guelph Hydro facility located in the Hanlon Business Park.

11. City Energy Manager:

Staff will put forward, for Council's consideration during the 2008 budget deliberation process, an expansion package for the Energy Project Manager, as recommended in the CEP. This position will project manage and drive all CEP-related City projects, bringing resources together and building needed community relationships. The first step will be to develop a detailed implementation plan and schedule for all projects, showing timelines, key deliverables, resources, and key Council decision points. In addition, the Energy Project Manager will provide staff and community training sessions and workshops, and will work with Corporate Services - Corporate Communications to communicate the City's successes.

Water Efficiency Initiatives:

As Council and the community is aware, the CEP addresses both water and energy conservation. A companion Community Development & Environmental Services report entitled "Water Conservation Update Report" dated November 9, 2007, provides a similar update to Council on all initiatives and activities to achieve the goals of the CEP through water conservation efforts.

CORPORATE STRATEGIC PLAN:

- Goal 1. An attractive, well-functioning and sustainable city;
- Goal 5. A community-focused, responsive and accountable government.
- Goal 6. A leader in conservation and resource protection/management.

FINANCIAL IMPLICATIONS:

N/A

DEPARTMENTAL CONSULTATION:

- Community Design and Development Services – Building Services; Economic Development and Tourism; Engineering Services;
- Community Services – Community Development Division;
- Corporate Services - Corporate Property; Corporate Communication;
- Operations Department;
- Emergency Services;
- Guelph Hydro Inc.;
- Guelph Hydro Electric Systems Inc.

COMMUNICATIONS:

N/A

ATTACHMENTS:

Appendix "A" - 2007 Community Energy Initiatives

Prepared and Recommended By:
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Report to Community Development & Environmental Services Committee
November 9, 2007

APPENDIX "A"
2007 Community Energy Initiatives

MONTH	DESCRIPTION	LEAD	PARTNERS	STATUS
April	Council unanimously endorses the vision and goals of the CEP and establishes 6 teams to address key priorities	City of Guelph	Community Energy Plan Consortium Members	Completed
May	CEP recognized for Leadership in Energy and Environmental Sustainability by the Ontario Energy Association	Guelph Hydro City of Guelph	Community Energy Plan Consortium Members	Received
May	CEP recognized by Peter Love, Chief Conservation Officer of Ontario	City of Guelph	Community Energy Plan Consortium Members	Received
June	CEP Meeting to form Scale Project Teams	Guelph Hydro City of Guelph	Guelph Development Association, Union Gas, Owens Corning	Ongoing (see individual Project Update)
June	CEP Scale Project #1 – South end of Guelph	Guelph Hydro	City	Feasibility Study to be complete late 2007/early 2008
June	CEP Scale Project #2 - St. Patrick's Ward	Guelph Hydro	City	Feasibility Study to be complete late 2007/early 2008
June	CEP Scale Project #3 - University of Guelph	Guelph Hydro University of Guelph	City	Study Completed. Meetings to review scheduled.
June	CEP Scale Project #4 - Energy Performance Labeling w/ Natural Resources Canada	Natural Resources Canada	City	RFP released, City to apply by Nov 15 2007.
June	CEP Scale Project #5 - Multi-Utility Energy Services, Ex: 1000 Solar Roofs	GDA, Guelph Hydro	City, GRASP	Terraview Solar Array to be completed Nov/Dec 2007
June	CEP Scale Project #6 - Review Dev. Approval Process to promote energy efficiency	City		Study to begin in early 2008
	CEP Scale Project #7 - Provincial Data Centre, facility to be LEED certified and operational by 2010.	Province	City Guelph Hydro	No further work to be done at this time.
	CEP Project #8 - Ecotricity	Guelph Hydro City of Guelph		Draft Feasibility Study underway

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APPENDIX "A"
2007 Community Energy Initiatives

	CEP Project #9 - Yorklands	Province	Guelph Hydro City of Guelph	Delay until after release of Province's proposed land use document
	CEP Project #10 - New South End Emergency Services Facility - will be built to energy efficient standards.	City		In final planning stages. To be built in early 2009.
June	Guelph Hydro's Summer Savings Stampede begins. Peaksaver, Great Refrigerator Roundup, etc.	Guelph Hydro		Mostly Completed however some programs are ongoing
June	Mayor and Chair of GHI distribute CEP summary to key Canadian leaders in the energy sector	Guelph Hydro City of Guelph		Completed
July	Reid's Heritage Homes opens first LEED Platinum certified home in Canada	Reid's Heritage Homes		Completed
August	City participates in the annual Voluntary Black Out Day Challenge (Mayor Farbridge challenges Mayor of Woodstock)	City of Guelph Guelph Hydro	University of Guelph	Completed
August	Mayor invited to present on the CEP at the World Energy Engineers Congress in Atlanta	City of Guelph	Guelph Hydro	Completed
August	Mayor's Megawatt Challenge – presents LEED Complete program and Vic Road Rec Centre Energy Audit	TRCA	City	Reviewing
September	Mayor's Megawatt Challenge introduces LEED for Municipalities	Toronto Regional Conservation Authority (TRCA)	City, Canada Green Building Council	Ongoing
September	Project Porchlight launches second phase of program to deliver an additional 30,000 CFL to residents	Project Porchlight	City of Guelph GEL	Project launched on October 27th
September	Guelph announced winner of Black Out Day Challenge against Woodstock	City of Guelph Guelph Hydro	City of Woodstock	Completed
October	GHI hosts representatives from MVV Energie (Mannheim, Germany) to advance CEP priorities	Guelph Hydro	City of Guelph	Completed

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APPENDIX "A"
2007 Community Energy Initiatives

October	Guelph Environmental Leadership launches its Green Impact Guelph (GIG) project in partnership with the OPA, the City and others.	GEL	Ontario Power Authority, City of Guelph, Union Gas, Guelph Hydro,	Project launched on October 27th
October	Construction begins on Terraview's Solar Panel Array on Woodlawn Rd. As part of CEP's community solar initiatives.	Terraview Homes/GHI	City, Guelph Residents Advocating Solar Power (GRASP), Next Power, Natural Power Products	Ongoing
October	First Capital announces to Council their commercial development at Clair and Gordon will be LEED certified	First Capital		Ongoing
October	Director of Environmental Services invited to present on CEP at AMO conference	City of Guelph		Completed
October	Launch of Green Impact Guelph (GIG)	Guelph Environmental Leadership (GEL)	City/Union Gas/OPA, others	Launched October 27 2007
October	City investigating BioFuel use expanding into City fleet.	City/Operations		Investigating for 2008
October	Staff reviewing purchase of Green Electricity to off-set 10% of City use	City	Bullfrog	Ongoing
October	CEP Inc. - creation of a new CEP entity to help oversee various aspects of the Plan.	Guelph Hydro	City	Released RFP for development of a business plan.
November	GHI host the German Minister of Energy to advance CEP priorities	Guelph Hydro	City of Guelph	
November	Mayor invited to participate in Quality Urban Energy Systems of Tomorrow Symposium	City of Guelph		
November	Article in Municipal World on CEP	Guelph Hydro		
February 2008	Director of Environmental Services invited to present on CEP at Upwind Downwind conference	City of Guelph		