Adopted by Council at its meeting held May 20, 2014 [M221-2014]

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Windsor, Ontario May 20, 2014

REPORT NO. 204 of the ENVIRONMENT, TRANSPORTATION & PUBLIC SAFETY STANDING COMMITTEE

of its meeting held April 23, 2014

Present:

Councillor J. Gignac

Councillor A. Halberstadt

Councillor R. Jones Councillor H. Payne

Councillor F. Valentinis, Chair

That the following recommendations of the Environment, Transportation and Public Safety Standing Committee **BE APPROVED:**

Moved by Councillor Gignac, seconded by Councillor Jones,

THAT the minutes of the Windsor-Essex County Environment Committee meeting held March 6, 2014 BE RECEIVED for information.

Carried.

Councillor Payne was absent at the time the vote was taken.

<u>Clerk's Note</u>: The minutes of the Windsor-Essex County Environment Committee meeting held March 6, 2014 are <u>attached</u> as background information.

CHAIRPERSON

SUPERVISOR OF COUNCIL SERVICES

NOTIFICATION:		를 보고 있는 사람들이 다른 기계를 받는다. 10년 1월 1일	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
Name	Address	Email Address	Phone	FAX

A meeting of the **Windsor Essex County Environment Committee** is held this day commencing at 5:30 o'clock p.m. in the Board Room, Lou Romano Water Reclamation Plant there being present the following members:

Councillor Alan Halberstadt, Co-Chair Charlie Wright, Co-Chair (arrives at 5:40 p.m.) Councillor Hilary Payne Frank Butler (alternate) Derek Coronado Jesse Gardner Costa Paul Henshaw Mike Nelson Lindita Prendi Tamara Stomp Radwan Tamr (arrives at 5:35 p.m.)

Regrets received from:

Mark Bartlett Eileen Chen Pauline Cheslock Theresa Czerwinski John Miller

Guests in attendance:

Barbara Peirce Marshall, Manager of Corporate Communications & Public Relations, ENWIN, regarding <u>Item 5</u>

Jeff Scott, Industrial Key/Account Manager Conservation & Demand Management, ENWIN, regarding <u>Item 5</u>

Chris Taylor, Business Operations Manager Essex Power Corporation, <u>regarding Item 5</u>

Peter Fay

David Hanna

Also present are the following resource personnel:

Averil Parent, Environment & Sustainability Coordinator Beau Wansbrough, Planner II, Official Plan Monitoring Karen Kadour, Committee Coordinator

1. CALL TO ORDER

Councillor Halberstadt, Co-Chair calls the meeting to order at 5:30 o'clock p.m. and the Committee considers the Agenda being Schedule "A" <u>attached</u> hereto, matters which are dealt with as follows:

2. ADDITIONS TO THE AGENDA

None.

3. DECLARATIONS OF CONFLICT

None disclosed.

4. <u>MINUTES</u>

Moved by P. Henshaw, seconded by L. Prendi,

That the minutes of the Windsor Essex County Environment Committee at its meeting held February 6, 2014 **BE ADOPTED** as presented.

Carried.

5. PRESENTATION

Representatives from EnWin Utilities and Essex Power to present conservation strategies and programs within their organizations for 2014

Barbara Peirce Marshall, Manager of Corporate Communications & Public Relations, ENWIN, and Jeff Scott, Industrial Key/Account Manager Conservation & Demand Management, ENWIN, and Chris Taylor, Business Operations Manager Essex Power Corporation are present to provide conservation strategies and programs within their organizations.

- B. Marshall and J. Scott, EnWin distributes an information package, <u>attached</u> as Appendix "A". An overview of EnWin's programs is provided as follows:
 - <u>Audit Funding Program</u> This audit will assist a business in identifying cost benefits and how they can be achieved, and prioritizes the implementation of energy management projects. The Audit Funding Program is intended to cover up to 50% of the cost of an energy audit, based on requirements that take into account the size and complexity of the buildings.
 - <u>Retrofit Program</u> This Program provides for substantial financial incentives for replacing inefficient existing equipment with high efficiency equipment and for

installing new control systems that will improve the efficiency of operational procedures and processes.

- <u>Processes and Systems Upgrade Program</u> This Program is designed to help achieve and sustain major energy savings. It provides access to the major financial incentives and technical expertise to upgrade systems and make improved energy management a part of the day to day business. It's about improving productivity, product quality and optimizing the operations.
- Small Business Lighting Program Businesses in Ontario can take advantage of receiving up to \$1,500 in free lighting and equipment upgrades. This Program offers a free assessment to identify possible energy savings and up to \$1,500 of energy-efficient retrofits, including all equipment and labour.
- <u>Demand Response DR3 Program</u> This Program is designed to help manage the electricity needs of Ontario while providing Ontario businesses another great financial incentive to make energy management a part of everyday operations.
- <u>GreenSTAR Program</u> This Program is an award based system development by EnWin to recognize commercial and industrial customers for making conservation a priority within their organization. GreenSTAR is a mechanism tying in the green solution and energy conservation, with the City of Windsor's Partners for Climate Protection Plan. Recipients are recognized only once they have accomplished significant improvements in the following categories Electricity and/or Water usage, Energy Plan, Internal Recycling Program, and Employee Conservation Programs.
- Targets in energy conservation not being met due to insufficient uptake on the foregoing programs.
- Energy rates (to charge customers) are set by the Province.
- Energy rates will increase approximately 30 to 40% over the next five years.
 - C. Taylor, Essex Powerlines Corporation provides the following comments:
- Essex Powerlines Corporation provides reliable and safe power to over 28,000 residents and businesses in Amherstburg, LaSalle, Learnington and Tecumseh.
- The suite of programs as provided in the EnWin presentation are also provided by Essex Power and will likely be extended by the Ontario Power Authority for an additional year to 2015 at which time a transition to a new suite of programs will be undertaken.
- Energy conservation throughout the province is a condition of the license to distributors.
- Energy costs have risen approximately 19% over the past three years. The cost is not under the control of the distributor.

In response to a question asked by Councillor Halberstadt, Co-Chair stating that it appears the Programs are designed for the industrial/commercial sector rather than residential, J. Scott responds in terms of the residential component, there is only a minimal amount that people can do.

M. Nelson asks if all the Programs are funded by the Ontario Power Authority and J. Scott responds affirmatively.

In response to a question asked by Councillor Payne regarding if coal fire plants in Ontario have been phased out, C. Taylor states the two remaining plants will be closed by the year's end.

P. Henshaw questions when the use of Smart Meters will be implemented. B. Marshall replies the transition of the Time-of-Use energy prices will commence in March/April 2014 as required by the Ontario Energy Board. She indicates town hall meetings will be held to assist consumers with energy conservation.

Councillor Halberstadt, Co-Chair thanks the representatives from EnWin and Essex Powerlines for their presentation.

6. BUSINESS ARISING FROM THE MINUTES

6.1 Green Speaker Series Update

A. Parent confirms Dr. Robert Krausz has been retained as a Green Speaker to be held on May 14, 2014 at 7:30 o'clock p.m. at the Ojibway Nature Centre. His topic of discussion is "All for Naught: Zero Waste's Reality Check for Community-Led Sustainability".

6.2 Anti-Idling By-law Update

A. Parent reports the amended Anti-Idling By-law will be reviewed by the Environment, Transportation & Public Safety Standing Committee in the near future.

6.3 New City Hall Environmental Initiatives Update

Councillor Halberstadt, Co-Chair distributes a document entitled "WECEC Recommendations to City Council on new City Hall Green Features", <u>attached</u> as Appendix "B". He indicates the New City Hall should exemplify an "iconic green building". D. Coronado requests definitions for terms such as "zero-energy building" and "formaldehyde free" accompany the WECEC recommendations to City Council.

Moved by T. Stomp, seconded by P. Henshaw,

WHEREAS the City of Windsor Environmental Master Plan encourages the construction of energy efficient buildings and incorporating sustainable design features into development to "promote 'greening' of new and existing city facilities"; and

WHEREAS the recently released report *The Business Case for Green Building* released by the World Green Building Council (2013) shows that the energy savings in green buildings over a twenty-year period typically exceed any design and construction cost premiums by a factor of ten, and could be more with the increasing costs of energy. The study also concluded that the green attributes of buildings and indoor environments can improve worker productivity and occupant health and well-being, resulting in bottom line benefits for business. "By greening our built environment at the neighbourhood and city scale, we can deliver on large-scale economic priorities such as climate change mitigation and adaptation, energy security, resource conservation and job creation, long-term resilience and quality of life." (World Green Building Council, 2013)

THEREFORE BE IT RESOLVED that City Council BE REQUESTED to consider environmental features as identified below for inclusion in the Request for Proposal for the new City Hall:

- High-efficiency glass for windows and doors to conserve energy;
- Energy efficient, low flow appliances in the building (i.e. low flow toilets, LED lighting);
- Consider making it a zero-energy building (meaning that the total amount of energy used by the building on an annual basis is roughly equal to the amount of renewable energy created on site);
- Using natural light to light the inside of the building;
- Use of district energy;
- Building materials free of the toxic chemical Formaldehyde
- Recycled building materials where appropriate (i.e. recycled carpet);
- Re-use of building materials from the current City Hall after demolition;
- Re-use of grey water either inside the building (flushing toilets *etc.*) or outside the building (watering grass *etc.*);
- Stormwater management features such as raingardens, bioswales or a permeable pavement parking lot;
- Underground parking to reduce extra pavement needed for surface parking;
- Roof structurally able to support solar panels or a greenroof;
- Secure storage for bicycles as well as change room facilities with a shower;
- Furniture made from recycled materials;
- Native plants in the landscape design;
- Planting of fruit trees and space for a community garden.

Carried.

Councillor Payne abstains from voting on the matter as the costs have not been identified.

6.5 Greek Community Centre Rezoning Application

Windsor City Council at its meeting held March 3, 2014 adopted the following resolution:

CR52/2014 "THAT City Council PROCEED with part of M43-2013 Report No. 117 of the Planning & Economic Development Standing Committee of its meeting held January 14, 2013 concerning that part of Greek Orthodox Community of Windsor lands at the east end of 3030 Walker road known as the "Walker Junction Woodland" described as part of Lot 13, Registered Plan 1456 as shown on the location map attached and, THAT Council PASS By-law 27-2014 and by-law 28-2014 at this meeting of Council."

7. COORDINATOR'S REPORT

A. Parent reports she is investigating other alternatives for a host website company for WECEC.

8. SUBCOMMITTEE REPORTS

8.1 **Air**

D. Coronado states Detroit Bulk Storage is formally seeking to acquire a permit to bring the pet coke back to the Zug Island area (near LaSalle).

Moved by C. Wright, seconded by T. Stomp,

That the Environment & Sustainability Coordinator **BE DIRECTED** to send a letter to the Department of Environmental Quality regarding the permit being applied for by Detroit Bulk Storage to store pet coke along the Detroit River.

Carried.

- T. Stomp suggests clean-up contracts for remediation of the pet coke be undertaken (as the pet coke enters into the air and pollutes).
 - R. Tamr leaves the meeting at 6:55 o'clock p.m.

8.2 Transportation

F. Butler distributes the Transportation Subcommittee Report dated February 7, 2014, *attached* as Appendix "C". He states on February 26, 2014 Councillor Marra, Chair Transit Windsor Board announced the call to discuss a regional transit system for the Windsor-Essex Region.

Discussion ensues regarding the lack of snow removal at bus stops and the resultant difficulty experienced by the elderly and those with mobility issues when attempting to access a Transit Windsor bus.

Moved by F. Butler, seconded by J. Gardner Costa,

That all surrounding municipalities in the Windsor-Essex region **BE ENCOURAGED** to enter into discussion regarding the development of regional transportation for Windsor-Essex County.

Carried.

T. Stomp advises the Town of LaSalle is the municipality most interested in regional transportation.

8.3 Provincially Significant Wetlands

J. Gardner Costa reports Phase 2 of the tree planting (funded by ERCA) will commence in the Spring.

8.4 Water Quality

No report.

9. **NEW BUSINESS**

9.1 Earth Day

Moved by C. Wright, seconded by M. Nelson,

That APPROVAL BE GIVEN to an expenditure in the upset amount of \$35 for the procurement of a booth for the Earth Day Event to be held on April 27, 2014 at Malden Park from 10:00 a.m. to 3:00 p.m.

Carried.

9.2 Follow up to the 2013 Report on the State of the Environment

A. Parent indicates the State of the Environment Report will be reviewed by the Environment, Transportation & Public Safety Standing Committee in April 2014.

10. COMMUNICATIONS

10.1 The invitation regarding the City of Windsor Class Environmental Assessment 6th Concession Road/North Talbot Road – Notice of Public Information Centre #1 is received for information. Councillor Halberstadt, Co-Chair advises he attended the Public Information Centre #1 held on February 26, 2014 and he provided a written submission recommending separated cycle tracks.

11. DATE OF NEXT MEETING

The next meeting will be held on Thursday, April 3, 2014 at 5:30 o'clock p.m. at the Lou Romano Water Reclamation Plant.

12. ADJOURNMENT

There being no further business, the meeting is adjourned at 7:25 o'clock p.m.

COUNCILLOR HALBERSTADT, CO-CHAIR

COMMITTEE COORDINATOR



AGENDA WINDSOR-ESSEX COUNTY ENVIRONMENT COMMITTEE

held on March 6th 2014

Meeting at 5:30p.m. At the Lou Romano Water Reclamation Plant (4155 Ojibway)

1. CALL TO ORDER

2. ADDITIONS TO THE AGENDA

3. DECLARATION OF CONFLICT

4. MINUTES

Adoption of the minutes of the meeting held February 6th, 2014 - emailed separately.

5. PRESENTATION

Representatives from EnWin Utilities and Essex Power to present conservation strategies and programs within their organizations for 2014.

6. BUSINESS ARISING FROM THE MINUTES

- 6.1 Green Speaker Series update
- 6.2 Anti-Idling by-law update
- 6.3 New City Hall environmental initiatives update
- 6.5 Greek Community Centre re-zoning application *attached*.

7. <u>COORDINATORS REPORT</u>

WECEC Coordinator Monthly Report - attached

8. SUBCOMMITTEE REPORTS

- **8.1** Air
- **8.2** Transportation
- 8.3 Provincially Significant Wetlands
- 8.4 Water Quality

9. **NEW BUSINESS**

- 9.1 Earth Day 2014
- 9.2 Follow up to the 2013 Report on the State of the Environment

10. COMMUNICATIONS

10.1 Invitation – City of Windsor Municipal Class Environmental Assessment 6th Concession Road/North Talbot Road – Notice of Public Information Centre #1 – <u>attached.</u>

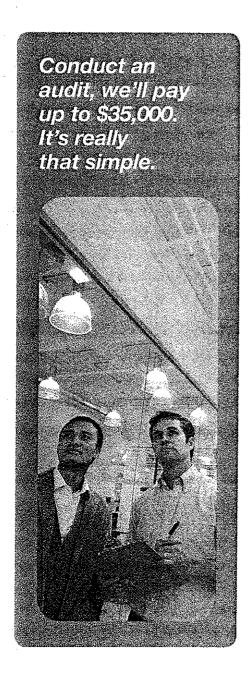
11. DATE OF NEXT MEETING

The date of the next meeting is April 3rd, 2014 at the Lou Romano Water Reclamation Plant at 5:30 o'clock p.m.

12. ADJOURNMENT



Incentives to Help You Spot Energy-Saving Opportunities



saveOnenergy AUDIT FUNDING – Participation's easy, benefits measureable

You're already doing a good job managing and maintaining your building. Even though your building is running well, the AUDIT FUNDING program could help you achieve greater efficiencies while reaching or even exceeding your business goals.

Achieve:

- Reduced energy, operating and maintenance costs
- Improved efficiency, asset value and performance
- Benchmarks to track performance

How an energy audit helps your business

- Identifies cost benefits and how they can be achieved
- Prioritizes the implementation of energy management projects

The bottom line? What can be achieved, in terms of saving energy and money, could be significant.

Participate and save

A comprehensive evaluation of your building's energy performance will determine opportunities for improvement. These options for maximizing energy savings will form the basis of an action plan.

The **AUDIT FUNDING** program is intended to cover up to 50% of the cost of an energy audit, based on requirements that take into account the size and complexity of the buildings.

We will work together to identify the best and most sustainable energy management program for your business.

Selecting an energy auditor

You need the assurance of knowing that your company's energy audit is in good hands. The **AUDIT FUNDING** program is designed to ensure qualified, experienced auditors are used to help you identify how your business currently uses energy.



The **AUDIT FUNDING** Program Evaluate Today's Energy Use – and Identify Tomorrow's Opportunities

The energy audits must be completed by a third party with one or more of the following qualifications:

- A professional engineer (P. Eng.)
- A certified engineering technologist (CET)
- A certified energy manager
- A certified measurement and verification professional with at least three years of relevant experience evaluating energy systems in buildings or
- An engineer-in-training under the supervision of a P. Eng. or CET

Provided a qualified and experienced person as described above certifies and signs the Audit Report.

What audit incentives are available?

Participant incentives for this program are available as follows:

For eligible building owners:

1. ELECTRICITY SURVEY AND ANALYSIS

Up to \$25,000 in incentives now available.

Conducting this survey and analysis is your first step. This financial analysis or life cycle analysis, provides you with the data you need to fully consider the financial benefits of installing a variety of energy efficient measures.

For buildings up to 30,000 sq. ft.:

The incentive is \$0.10 per sq. ft. up to a maximum of 50% of **ELECTRICITY SURVEY AND ANALYSIS** costs.

For buildings larger than 30,000 sq. ft:

The incentive is \$3,000 for the first 30,000 sq. ft. and \$0.05 per sq. ft. for each incremental sq. ft. up to a maximum of 50% of **ELECTRICITY SURVEY AND ANALYSIS** costs or up to \$25,000, whichever is less.

2. DETAILED ANALYSIS OF CAPITAL INTENSIVE MODIFICATIONS – eligibility is for buildings with greater than 50,000 sq. ft.

An additional \$10,000 in incentives now available.

After the ELECTRICITY SURVEY

AND ANALYSIS has been completed, this is your next step. Here the focus is on potential capital-intensive projects

identified during the **ELECTRICITY SURVEY AND ANALYSIS**. Detailed field data combines with a more rigorous engineering analysis to provide detailed project cost and savings calculations (sufficient for major capital investment decisions).

The incentive is \$0.05 per sq. ft. up to a maximum of 50% of **DETAILED ANALYSIS OF CAPITAL INTENSIVE MODIFICATIONS** costs or up to \$35,000, whichever is less.

3. DETAILED ANALYSIS OF NON-CAPITAL INTENSIVE MODIFICATIONS

An Additional \$5,000 in Incentives is Now Available

Building owners may be eligible for incentives for Detailed Analysis of Non-Capital Intensive Modifications. Such energy audits provide you with an analysis of savings you might be able

to achieve by modifications related to things like balancing and optimizing auxiliary fans, pumps, compressors, domestic water, and all associated distribution systems. This incentive does not include the study of lighting systems.

The incentive covers 50% of the cost of such an audit up to \$5,000. The analysis includes system evaluations that measure actual operating conditions and a reasonable estimate of consumption and demand profiles during peak periods. The report provides you with recommendations regarding operational, replacement, and retrofit opportunities, as well as project cost estimates and simple payback calculations.

For eligible tenants:

ELECTRICITY SURVEY AND ANALYSIS

Up to \$7,500 in Incentives now available. Here the incentive pays for audits of lighting, office equipment and plug loads.

The incentive is \$0.03 per sq. ft. up to a maximum of 50% of the **ELECTRICITY SURVEY AND ANALYSIS for an eligible tenant** costs or up to \$7,500, whichever is less.

Contact us today

Visit ENWIN.saveonenergy.ca for more information or contact us today at:

Tel: 519-255-2888 Ext.709

Fax: 519-973-7812

Email: cdmsupport@enwin.com





Install Energy-Efficient Measures and Receive up to 50% of Your Project Costs



RETROFIT PROGRAM

Program benefits include:

- Decreased operating and maintenance costs
- Lowered energy consumption and costs
- Reduced payback periods

incentives for

- Lighting and compols
- Unitary air conditioning
- Synch belt
- Variable frequency drives.
- Agribusiness
- Alternative energy measures
- Motors
- Pumps
- Fans
- Refrigeration, and more.

What incentives are available?

- \$400/kW for Lighting
- \$800/kW for Non-lighting



For many business owners, capital costs prove to be the primary barrier to investing and participating in a retrofit project. The **RETROFIT PROGRAM'S** incentives tackle this barrier head on, making it possible for you to install and benefit from newer, more energy-efficient technologies.

Participate and save

The RETROFIT program provides substantial financial incentives for replacing inefficient existing equipment with high efficiency equipment and for installing new control systems that will improve the efficiency of your operational procedures and processes.

Start saving sooner

Getting your project underway without delay is our priority. We'll work with you to make a quick pre-approval process so your project can move ahead as soon as possible.

Whether your project is **PRESCRIPTIVE**, **ENGINEERED** or **CUSTOM**, you'll find plenty of available incentives (see following page for descriptions).

Lighting projects

The greater of either: \$400/kW of demand savings or \$0.05/kWh of first year electricity savings to a maximum of 50% of project costs.

Non-lighting projects, including lighting controls

The greater of either: \$800/kW of demand savings or \$0.10/kWh of first year electricity savings to a maximum of 50% of project costs.

Who is eligible?

Owners or tenants of commercial, institutional, industrial, agricultural and multi-residential facilities, including social housing.

To take part, your project <u>must</u> be worth a minimum **PRESCRIPTIVE** incentive of \$100 to apply. For the **ENGINEERED** or **CUSTOM** measures, your project must have an estimated demand reduction of 1 kW and/or first-year annual savings of 2,000 kWh. If you are unsure of your eligibility contact your local electric utility.



The **RETROFIT PROGRAM** Covers a Wide Variety of Electricity-Saving Projects

With three ways to save, the choice is yours.

Incentives are available for an array of energy-saving technologies. Choose from either pre-set PRESCRIPTIVE or specifically designed and calculated ENGINEERED or CUSTOM incentives. Up to 50% of project costs are available.

1. PRESCRIPTIVE track

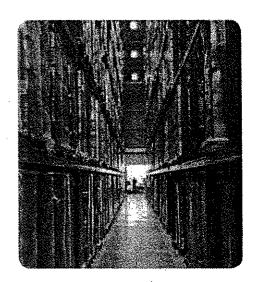
The PRESCRIPTIVE track gives you the ease of selecting from a defined list of end-use measures that come with a corresponding per-unit incentive. Examples include upgrades to lighting, motors, unitary A/C, etc. If your project involves upgrading existing equipment, the incentive amount would depend on the type, efficiency and quantity of equipment you install.

2. ENGINEERED track

The ENGINEERED track consists of a series of preset calculation worksheets that help you estimate reductions in peak demand and/or electricity consumption that apply to the installation of more energy-efficient equipment or solutions. Based on the reductions in peak demand and/or electricity consumption, the worksheet will calculate the estimated incentive amount.

3. CUSTOM track

The **CUSTOM** track provides an application mechanism for any electricity-saving technologies and/or projects that are not included in either the **PRESCRIPTIVE** or **ENGINEERED** tracks. The project peak demand and/or electricity consumption reductions would be assessed and incentives provided accordingly.

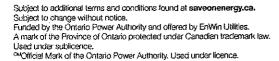


400	PRESCRIPTIVE	ENGINCERED	GUSTOM.
Lighting	Per unit incentives	The greater of either, \$400/kW of demend savings or \$0.05/kWh of first year electricity savings (to a maximum of 50% of project costs)	The greater of either, \$400/kW of demand savings or \$0.05/kWh of first year electricity savings (to a maximum of 50% of project costs)
Non-lighting including lighting controls	Per unit incentives	The greater of either, \$800/kW of \$0.10/kWh of first year electricity savings (to a maximum of 50% of project costs)	The greater of either, \$800/kW or \$0,10/kWh of first year electricity savings (to a maximum of 50% of project costs)

Contact Us Today

Visit enwin.saveonenergy.ca for more information, perspectives from experts and clients or to apply online.

Or contact us today at: Tel: 519-255-2727 x 709







Save Money, Reduce Energy Use with Simple Lighting Upgrades

SMALL BUSINESS LIGHTING program offers:

- A free assessment to identify possible energy savings
- Up to \$1,500 of energy: efficient retrofits – including all equipment and labour
- Plus, get access to additional incentives



Now, businesses in Ontario can take advantage of this offer of up to \$1,500 in free lighting and equipment upgrades.

saveONenergy SMALL BUSINESS LIGHTING is a conservation program that offers businesses like yours up to \$1,500 in free, energy-efficient upgrades – improvements that will save on electricity costs. Plus, get access to additional incentives.

SMALL BUSINESS LIGHTING program offers:

- A free assessment to identify possible energy savings
- Up to \$1,500 of energy-efficient retrofits – including all equipment and labour

Your participation in the **SMALL BUSINESS LIGHTING** program will not only help you manage your electricity costs, it demonstrates your support for a cleaner environment and benefits your customers and your community.

Who is eligible?

Owners and tenants with a general service account of less than 50 kW. Bulk and submeter customers may also apply. If you're not the building owner, you'll simply need the landlord's permission to authorize these energy upgrades.

How do you know if your business uses 50 kW of electricity demand or less?

If your current electricity bill shows usage measured only in kilowatt hours kWh, then your electricity demand is likely 50 kW or less. If it shows usage in kW or kVA, then your business likely uses more than 50 kW. If you are unsure, please call us.

If you have not previously participated in the Power Savings Blitz[™] you may enrol in the **SMALL BUSINESS LIGHTING** program.



DEMAND RESPONSE DR3

Rewards Your Commitment to Energy Management

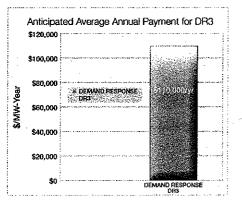
Before you sign-up through a Demand Response Provider, they will help you identify how much demand response capacity your operation can provide along with developing a strategy to ensure your participation in providing demand response is successful. You are compensated according to how much demand response you provide. This is determined by comparing your actual load during an activation period to an Adjusted Baseline. This Adjusted Baseline reflects what your normal load would have been during the activation period with an adjustment for actual operating levels during the activation day.

How do I reduce my demand?

A Demand Response Provider will help you understand your options. For example, you can shed load by powering down non-critical equipment. You can shift production to non-peak periods. You can even draw electricity from an on-site generator. (Some limitations apply, and your generator will need a certificate of approval from the Ministry of the Environment.)

How flexible is the program?

You must be in operation and available on standby for a pre-defined schedule totalling about 1,600 hours annually. The program offers two different



pre-defined schedules. The program allows operational flexibility, permitting periods of maintenance and summer shutdowns.

How often will I be asked to curtail?

There are two options. Depending upon your operation's flexibility, you can select to be activated up to either 100 hours or 200 hours annually. Each activation notice is issued 2.5 hours prior to an event by your Demand Response Provider. Activations are generally for four consecutive hours occurring within the pre-defined schedule, on business days. In addition to activation notices, you may also receive a standby notice a day ahead, or in the early morning of an activation.

How do I take part?

Under **DR3**, you'll contract with a Demand Response Provider, which manages the demand response capacity of a group of participants. Alternatively, if your business can provide more than 5,000 kW of demand response capacity from facilities each having at least a 500 kW annual peak demand, you have the option to contract directly with the OPA.

Is my facility eligible?

To take part, you must be a general service rate customer in Ontario, have an interval meter and your yearly peak demand should be at least 50 kW. Customers providing demand response with a generator must provide a minimum 50 kW of demand response. To find out more about your eligibility, just talk to us.

Interested?

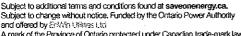
Talk to us. We can answer all of your questions about taking part, guide you through your options, and help you with your application.

Contact us today

Visit **enwin.saveonenergy.ca** for more information and perspectives from experts and clients.

Or contact us today at: Tel: 519-255-2727 x 726





A mark of the Province of Ontario protected under Canadian trade-mark law. Used under sublicence. **Official Mark of the Ontario Power Authority. Used under licence.







Discover the Many Benefits of the **SMALL BUSINESS LIGHTING** Program

How does **SMALL BUSINESS LIGHTING** work?

Get started with 3 simple steps

1. Assess your business

Our qualified representative will come out to your business and offer a free energy assessment of your lighting and electric water heating. Once the assessment is complete, you will receive a list of recommended energy-efficiency upgrades for your consideration.

2. Identify your options

Our representative will identify your best retrofit options and once the assessment is completed, you can decide how much work you want done. We will help you identify a project with a value of up to \$1,500. If you choose to have that work done, there is absolutely no cost to you. There may be opportunities for further energy efficiency retrofits above the \$1,500 allowance. Further incentives apply beyond the \$1,500 in free upgrades. Speak to us for more information.

3. Install the upgrades

Once the work order and customer agreements are signed, an appointment will be made for a licensed electrical contractor to come and complete the retrofit at your convenience. The installations are quick and can be made while your business is open.

interested?

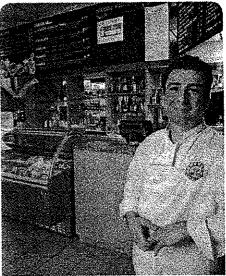
A wide variety of businesses – diners, grocery stores, independent restaurants, dry cleaners, medical offices, beauty salons, convenience stores, garages and many other small retailers – can participate in the **SMALL BUSINESS LIGHTING** program.

Contact us today

Visit *EnWin.*saveonenergy.ca for more information.

Or contact us today at: Tel: $519-255-2727 \times 709$





Did You Know?

We supply, install, clean up and recycle. An authorized licensed contractor will make an appointment to complete your retrofit at your convenience.





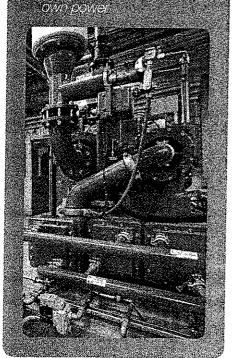


Commit to Reliable Power, Earn Major Rewards

With the saveONenergy DEMAND RESPONSE DR3 program, you can earn significant monthly payments by reducing your demand for electricity when called upon by your Demand Response Provider.

You can incorporate the DEMAND RESPONSE DRA program into your energy-management strategy in several different ways:

- By reducing your equipments electricity use
- By shifting practication to an off-neak period
- Or even by generating your



With new technologies and a growing population, Ontario's power needs are getting bigger every year. Seasonal periods of high demand can drive up wholesale prices and put a strain on the grid, affecting the reliability of everyone's electricity.

The **DEMAND RESPONSE DR3** (**DR3**) program is designed to help manage the electricity needs of Ontario, while providing Ontario businesses another great financial incentive to make energy management a part of everyday operations.

Under **DR3** you can earn monthly payments, all you have to do is reduce your energy consumption by an agreed to amount, when you receive activation notices. In exchange for your contractual commitment to reducing your demand. Performance in this program is mandatory, and therefore financial offsets may occur for non-performance.

To participate in **DR3**, you may register through a Demand Response Provider. Demand Response Providers are independent companies under contract to the Ontario Power Authority (OPA) to provide demand response through your participation.

Under the **DR3** program, your organization agrees to reduce its energy use by a set amount whenever it receives an activation notice. You will earn a payment every month for making your demand response capacity available, and an additional payment whenever you are asked to activate your demand response capacity. Note that penalties may result for non-performance.

With a little experience under **DR3**, you'll find that integrating demand response into your everyday operations and energy management planning can be straightforward and profitable.









About the Program

The GreenSTAR program is an award based system developed by *ENWIN* to recognize commercial and industrial customers for making conservation a priority within their organization. GreenSTAR is a mechanism tying in the green solution and energy conservation, with the City of Windsor's Partners for Climate Protection Plan.

GreenSTAR is not a monthly award, as recipients will be recognized only once they have accomplished significant improvements in the following categories: Electricity and/or Water usage, Energy Plan, Internal Recycling Program, Employee Conservation Programs, etc. To see what it takes to apply for a GreenSTAR Award, visit www.enwin.com/greenstar.

Nemak of Canada

Nemak of Canada strives to achieve the highest level of sustainability in its manufacturing, while maintaining a high level of efficiency. As a whole, Nemak recognizes the value of the environment and of sustainable production, remaining focused on constant improvement in the field of conservation. In all facets of the organization, Nemak aims to reduce, prevent and promote: reduce risk of injury or harm, prevent any and all types of pollution and promote proper and economical use of materials.

The surrounding community is of utmost importance at Nemak, as evidenced by numerous initiatives to reduce their strain on the environment and protect scarce resources. From the hiring of a full-time energy manager (through the OPA's Embedded Energy Manager Initiative) to major equipment upgrades that have reduced usage by more than 275 kilowatts, Nemak maintains its commitment to either meet or exceed legal requirements and standards for the environment. Nemak is a prime example of a company that continues to take the next step, not only in self-excellence, but overall improvement of the Windsor-Essex community.

Nemak of Canada is being recognized by *ENWIN's* **GreenSTAR** program for contributing to the preservation of our environment through:

- Improvements to the dust collectors
- Plant lighting retrofit
- Electric furnace re-insulation
- Replacement of the sand lift system
- Implementation of an energy management plan
- Implementation of 13 in-house recycling programs
- Installation of occupancy sensors in 50% of washrooms on site
- Development of Windsor Aluminum Reduction of Peak Program (WARPP)

Importance of Conservation

Due to the current economic and environmental issues, energy savings and conservation is at the forefront of many consumers' minds. By putting forth the extra effort to conserve and reduce their carbon footprint, companies are not only benefiting from reduced energy costs, but more importantly, they are working to sustain our environment.

The **GreenSTAR** Award program is designed to encourage our commercial and industrial customers to contribute to the preservation of our environment. This program is an integral part of *ENWIN* conservation initiatives and we are extremely excited about our customers' involvement.

For more information about the **GreenSTAR** program, to learn how to qualify and to see past recipients, please visit <u>www.enwin.com/greenstar</u>.

About ENWIN'S Role in Energy Conservation

ENWIN Utilities Ltd. is Windsor's Local Distribution Company, responsible for the distribution of electricity and the servicing and maintenance of Windsor's powerline infrastructure. As well, ENWIN Utilities Ltd. is a management services company providing fleet, billing, collections, credit, financial, human resources, customer service and information technology services to the Windsor Utilities Commission and the City of Windsor.

ENWIN is currently implementing various programs that aim to educate and subsequently reduce Windsor's dependency on costly and scarce energy resources. From our saveONenergy^{OM} For Home to our saveONenergy^{OM} For Business initiatives, we are committed to serving all citizens of Windsor in the most effective and efficient way. Recently, ENWIN has offered a complimentary e-billing service, allowing residents the option to reduce their impact on the environment in a quick and easy manner.

More recently, *ENWIN* has started an Educational Outreach program, extending from junior kindergarten to grade 8 students, in order to educate our youth on the importance of monitoring and reducing their impact on the environment. Not only is it important for residents of Windsor to know that saving on energy is easy, *ENWIN* is committed to providing all necessary outlets and exploring all avenues to achieve a sustainable energy model.

For a complete list of *ENWIN*'s conservation programs and initiatives, please visit our website: http://www.enwin.com/conservation/

For More Information - Contact:

Barbara Peirce-Marshall

Director of Corporate Communications & Public Relations ENWIN Utilities Ltd. 519-255-2888 X 849

Lawrence Musyj

Director of Conservation & Demand Management ENWIN Utilities Ltd. 519-251-7330

David Goodison

Plant Manager Nemak of Canada 519-250-2681

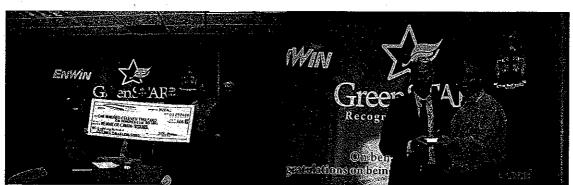








MEDIA Release January 29, 2014



Windsor, ON: ENWIN Utilities Ltd. today presented Nemak of Canada with the prestigious GreenSTAR Award of Excellence and an incentive cheque for \$111,606.37 for plant lighting improvements under the Ontario Power Authority's ERII conservation program. Nemak of Canada Plant Manager, David Goodison and special guest Lloyd Maisonville, Nemak's USA/Canada Director of Operations accepted the award on behalf of Nemak.

The longstanding local Windsor company earned the GreenSTAR Award after completing plant renovations to their dust collectors, lighting systems, re-insulation of an electric furnace, replacement of their sand lift system and installation of occupancy sensors in half of the washrooms on site. While reducing overall usage by more than 275 kilowatts, Nemak of Canada also put in place an energy management plan, 13 separate in-house recycling programs and developed the Windsor Aluminum Reduction of Peak Program (WARPP), aiming to reduce dependency at peak hours and leading into another *ENWIN* program, Demand Response DR3, with a targeted completion date later in 2014.

The GreenSTAR Award of Excellence is awarded by *ENWIN* to Windsor companies that demonstrate a commitment to the environment, achieve significant improvements related to energy and resource conservation efforts and go above and beyond to make conservation a key part of their business plan. For more information on Nemak of Canada's successes, *ENWIN*'s conservation programs or the GreenSTAR Award, please see the attached Backgrounder.

For additional information, please contact:

ENWIN Utilities Ltd.

Barbara Peirce Marshall Director of Corporate Communications & Public Relations 519-255-2888 x 849 **ENWIN** Utilities Ltd.

Lawrence Musyj Director of Conservation & Energy Management

519-251-7330

519-250-2681

Nemak of Canada

David Goodison

Plant Manager

bpeircemarshall@enwin.com

lmusyj@enwin.com



david.goodison@nemak.com









MEDIA EVENT

Wednesday, January 29, 2014 - 2 p.m.

Nemak of Canada

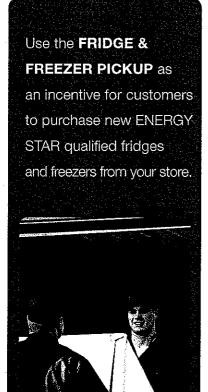
4600 G.N. Booth Drive, Windsor

2:00 p.m.	Welcoming Address	Jeff Scott
2:05 p.m.	Introduction of John Wladarski	Jeff Scott
2:06 p.m.	Conservation Program Address	John Wladarski
2:15 p.m.	Presentation of GreenSTAR Award to Nemak	
•	Plant Manager	John Wladarski
2:16 p.m.	Acceptance Speech	David Goodison
2:20 p.m.	Presentation of Lighting Retrofit Cheque	Jeff Scott
2:25 p.m.	Comments from Nemak USA/Canada	
	Director of Operations	Lloyd Maisonville
2:30 p.m.	Closing Comments	Jeff Scott

save energy FRIDGE & FREEZER PICKUP

Take part in the **FRIDGE & FREEZER PICKUP** for customers and the environment.

The FRIDGE & FREEZER PICKUP allows customers to dispose of their old fridges and freezers and save energy. As a retailer, you can offer to remove their appliances out of their homes and recycle them free of charge. With these energy wasting appliances gone, you can help customers save up to \$125* a year on electricity costs.



What are the benefits of being a participating retailer?

- Boost sales of ENERGY STAR®
 qualified fridges and freezers purchased
 by offering to pickup your customers'
 old fridges or freezers for FREE.
- You can also offer to pickup their old window air conditioners and dehumidifiers† in addition to their fridge or freezer.
- The replacement of an old, inefficient fridge or freezer can help save your customers up to \$125 a year on electricity costs. A typical fridge built in 1986 uses 1500 kilowatt-hours. A new ENERGY STAR qualified appliance uses about two-thirds less energy.
- Let your customers know that their old, inefficient fridge or freezer will be recycled.
- Provide better customer service by offering an easy alternative when disposing old appliances.
- By helping to remove energy-guzzling appliances from homes, you'll be doing something good for the environment.

What are the eligibility requirements?

To participate, customers must have a fridge or freezer that is:

- between 10-27 cubic feet
- 20 years old or more and in working condition
- plugged in 24 hours prior to pickup

What's the next step?

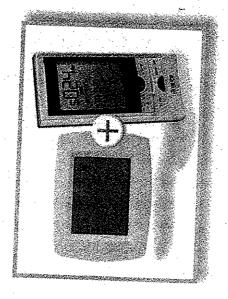
To learn more and to participate in this program, contact us today at:
Tel: 1-877-797-9473







By enrolling in **peaksaver PLUS®**, you can join the other Ontario households working together to manage our electricity use. **PLUS**, you will receive a **FREE Programmable Thermostat* and In-home Energy Display** to help you see and manage your electricity use at home all year.



A technician will come to your home at a convenient time to install the insome energy display along with the programmable thermostat which contains a small load management levice. Once the device is installed, t can be remotely adjusted to slightly educe your air conditioner's electricity lemand.

During hot summer weekdays when demand for electricity is at its highest, your programmable thermostat may be slightly adjusted during weekdays between 12 noon and 7:00 p.m., but never on weekends or holidays. Each activation will last for a maximum of 4 hours. During an adjustment period, you may notice an increase in your home's temperature by 1 or 2°C.

By enrolling in **peaksaver PLUS®**, you're showing your commitment to conservation and you're helping the reliability of our electricity system.

*If our thermostat is incompatible with your furnace, you can keep your existing thermostat and you may still be eligible for the **peaksaver**PLUS® program using an alternate option.





The **FRIDGE & FREEZER PICKUP** allows customers to dispose of their old fridges & freezers and save energy. Retailers can offer to remove appliances from customers' homes and recycle them in an environmentally friendly way.

To participate, customers must have a working fridge or freezer that is:

- Between 10-27 cubic feet
- 20 years old or more and in working condition
- Plugged in 24 hours prior to pickup

Contact us today: Tel: 1-877-797-9473

HEATING & COOLING INCENTIVE

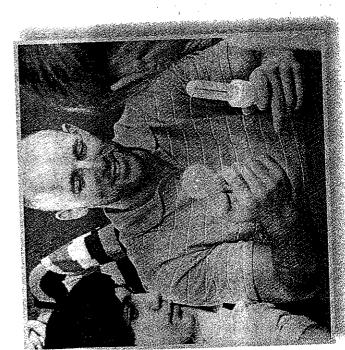
You can receive up to \$650 in incentives when you participate in the **HEATING & COOLING INCENTIVE.**

With as much as 60% of an average home's energy use going towards heating costs, it makes sense to consider the energy-efficiency of your furnace and central air conditioning units.

To find out if you are eligible to participate in this program please visit, enwin.saveonenergy.ca.

incentives to increase the efficiency of your home Take advantage of energy usage.

understand and manage the amount of energy you use throughout your entire of opportunities that will help you Take advantage of a wide range



Contact us forely

mormation, perspectives from experts visit enwin saveonenergy.ca for more and clients or to apply online.

Tel: 519-255-2727 ext. 6

Fax: 519-973-7812

Email: cdmsupport@enwin.com



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Energy-efficient lighting Energy audits incentives to increase the efficiency of your Take advantage of

incentives for

There are

Energy-efficient new construction

Equipment upgrades

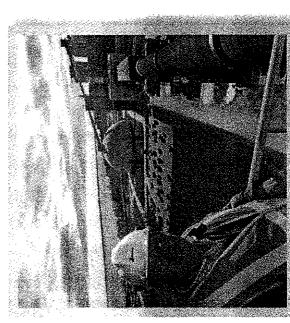
buildings and operations.

and major renovations

• DEMAND RESPONSE

Industrial upgrades

Businesses across Ontario can benefit energy-efficiency programs to assist retail stores to the largest industrial throughout the province. There are from an array of programs offered organizations from the smallest of complexes



experts and clients or to apply online. More information, perspectives from Visit enwin saveonenergy.ca for Contact us today

Tel: 519-255-2888 ext. 709

Fax: 519-973-7812

Email: cdmsupport@enwin.com



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EN MIN

Get pre-approved by **ENWIN** to conduct an energy audit, we'll pay up to \$35,000 of the cost of the study.

A comprehensive evaluation of your building's energy performance will determine opportunities for improvement. These options for maximizing energy savings will form the basis of an action plan.

The **AUDIT FUNDING** program is intended to cover up to 50% of the cost of an energy audit to a maximum of \$35,000, based on requirements that take into account the size and complexity of the buildings.

The audit will show you:

- How to reduce energy, operating and maintenance costs
- Improved efficiency, asset value and performance
- Benchmarks to track performance



Install energy-efficient measures and receive up to 50% of your project costs once pre-approved by **ENWIN**.

The **BETROFIT** program provides substantial financial incentives for replacing inefficient existing equipment with high efficiency equipment and for installing new control systems that will improve the efficiency of your operational procedures and processes.

Whether your project is **PRESCRIPTIVE**; **ENGINEERED** or **CUSTOM**, you'll find plenty of available incentives.

Program benefits include:

- Degreased operating and maintenance costs
- Lowered energy consumption and costs
- Reduced payback periods
- Modernized new assets (equipment)
- Potential for public relations opportunities & environmental stewardship

SSENEON DEPOSITOR

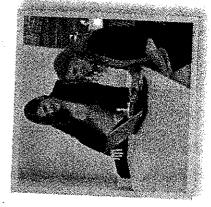
Save money, reduce energy use with simple lighting upgrades.

Now, businesses in Ontario can take advantage of this offer of up to \$1,500 in free lighting and equipment upgrades.

Your participation in the **SMALL BUSINESS** lighting program will not only help you lower your electricity costs, it demonstrates your support for a cleaner environment and benefits your customers and your community.

Small Business Lighting program offers:

- A free assessment to identify possible energy savings
- Up to \$1,500 of energy-efficient retrofits, including all equipment and labour



ime-of-Use Rates Bec

Supporting our community's future through conservation, continuous improvement and holding the line on rates.

Preparing Windsor for the Transition.

In March and April 2014, ENWIN will begin to transition our customers to Time-of-Use electricity prices, as required by the Ontario Energy Board. This means the price of electricity in Windsor will soon be calculated using Time-of-Use rates. Depending on your billing cycle, your usage in March or April will be subject to Time-of-Use pricing. This newsletter contains important information you will need to know, as we complete this transition.

Why Time-of-Use?

Reduce Demand. Save Energy & Money.

y making this change, ENWIN is complying with a mandate from the Ontario Energy Board to promote a culture of conservation in Ontario.

When we all use a lot of electricity at the same time, we create peak demand periods. Supplying electricity at those peak times has a range of impacts:

- . Higher demand leads to higher costs, adding to provincial electricity costs;
- . It's hard on the environment because it adds to the amount of new generation, transmission and distribution infrastructure Ontario must build;
- . It puts a strain on our electricity system.

When you use Time-of-Use rates to manage your en-

ergy costs, you will be helping to reduce the need for additional power generation during peak periods across our province.

Simple changes to your regular routine can help smooth those peaks and create real electricity supply and environmental benefits. So, working together to reduce our usage at peak times makes good sense.

Time-of-Use pricing rewards you for using electricity during low-demand (off-peak) periods wherever possible. On page 2, you will find seasonal charts showing Time-of-Use rates. The lowest rates (shown in green) are available at night, on weekdays and statutory holidays.

Simple changes.

Energy Savings Tips. Real Savings.

s we move towards Time-of-Use billing. you may want to begin to practice energy conservation at home. Here are some simple ways to start:

No-Cost

- . Use power bars for electronics, and turn them off when not in use.
- Use shades, blinds and drapes to block heat in summer and cold in winter.
- Join ENWIN's peakSaver PLUS program to save energy and money. Call 519-739-1750.
- Turn the thermostat down to 55° when you use your fireplace.

Low-Cost

- Use fans in summer, even if you have air conditioning.
- Seal cracks and gaps around windows, doors and siding.

How Can We Help?

ENWIN offers saveONenergy programs for home and business that can help customers conserve energy and save money. Visit www.enwin.com for details.



For news you need to know about Time-of-Use visit www.enwin.com.

Choose Your Times. Manage Your Costs.

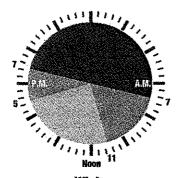
our smart meter already automatically records your electricity consumption on an hourly basis, so that, when we move to Time-of Use rates, you can take advantage of the pricing plan in effect across the province:

- During on-neak periods, when demand and production costs are highest, prices will be higher;
- . During mid-peak times, when demand is moderate, prices will be lower;
- . During off-peak hours, the least busy periods of the day, prices will be lowest.

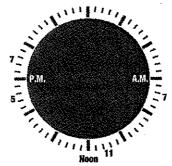
Time-of-Use periods -- off-peak, mid-peak and onpeak -- will vary between summer and winter. When we move to Time-of-Use pricing, you will be able to choose to control your costs by deciding when to run your major appliances. Additional savings can be obtained by choosing Energy Star-rated (energy efficient) products.

The clocks below reflect the Time-of-Use periods at various times of the week or year:

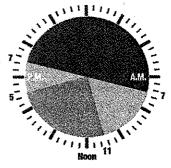
Note: If you currently purchase electricity through a retailer, you will continue to follow the terms and price stated in your contract.



(November 1 to April 30 - weekdays)



Weekends & Statutory Holidays
(All Year)



Summer (May 1 to October 31 - weekdays)



Available Soon. Be An Informed Energy Consumer.

o better serve our customers under Time-of-Use pricing, ENWIN has designed and installed a new computer system capable of processing the many functions associated with this rate structure. it can also help you control costs.

After April 2014, you will be able to sign up for a new online tool called ENVIN connect,

offering the convenience of 24/7 access to your account.

With ENWINconnect you can easily monitor your own consumption data, customize reports on your usage and learn where and how you can best save under the Time-of-Use rate system. In the Newsroom, you can pick up valuable energy tips. You will soon be able to use this new interactive online tool to:

- View household consumption patterns;
- Create easy-to-understand graphs and charts:
- Design and download reports;
- Create multiple account profiles;
- Access useful information about Time-of-Use and conservation.



WECEC Recommendations to City Council on new City Hall Green Features

- Follow City of Windsor Environmental Master Plan which promotes "greening" of new and existing city facilities.
- Adopt low impact design models from Toronto Conservation Authority
- See World Green Building Council Study (145 Pages)
- Utilize high-efficiency glass
- Use of daylight to capitalize on natural light (like U. of W. Medical Building
- Zero Net Energy
- Formaldehyde free
- Grey Water Irrigation
- Keep 66-feet view corridor to the river
- Consider underground parking and permeable pavement
- Build it structurally able to install solar panels,
- Architect should have someone trained in LEEDs, or perhaps train someone on staff to avoid paying a consultant for LEED certification.
- LED Lighting. Studies show that paying extra up front for Silver LEEDs is recovered in two years, Gold LEEDs pays for itself 20 times over the lifetime of the building.
- Specialized equipment for LEEDS is becoming less expensive.
 LEEDs design is already becoming code.
- LEEDs secure storage for bicycles and change room facilities.
- Make furniture with recycled materials.
- Studies show that environmentally designed buildings produce a more productive and happier workforce.

February 7th, 2014

Transportation Subcommittee Report

Present,

Bernie Droullaird, Roger Dzugan, Radwan Tamr, Frank Butler,

Facilitator: Averil Parent

Short meeting to review minutes and review draft letter to Lee Tome, Field Services. Bernie gave a brief update on status of new purchases by Transit Windsor. Things are proceeding with the use of the purchased vehicles from London and the retiring of older parts of the Windsor fleet.

Radwan noted the lack of shoveling at bus stops which is hard on the public, especially those with mobility or access issues such as disabled or elderly. This task is a city task under public works. Will bring this issue up at next WECEC meeting, though admittedly it is late in the season.

Transit Windsor Board calls for Regional Transportation System

On Feb 26th, Councillor B. Marra, chair announced the call to discuss a regional transit system for the Windsor-Essex Region. Invitations will be sent to each municipality in the region asking them to participate in these preliminary discussions. It would be appropriate for WECEC to encourage the participation of all of municipalities.

Next Meeting: Friday March 7th, noon in board room @ Lou Romano Plant

Submitted by the chair,

Frank Butler

Frank Butler