

LOCAL AUTHORITY SERVICES (LAS) NEW CONSERVATION AND DEMAND MANAGEMENT (CDM) PROGRAMS

Recommendation

Councillor Peter Meffe recommends that staff investigate opportunities available with respect to the City of Vaughan's operations such as, but not limited to, conservation capacity and improving energy efficiency in our municipal facilities being offered by LAS.

Economic Impact

Nil

Communications Plan

n/a

Purpose

To explore this avenue being made available to the City of Vaughan by LAS to ensure we are running our City at the cost-effective and energy efficient level, together with protecting our environment.

Background - Analysis and Options

LAS was created by the Association of Municipalities of Ontario (AMO) and is a wholly owned subsidiary of AMO. Their Energy Savings Division focuses on assisting municipalities save money, energy, and the natural environment through energy efficiency, conservation and demand management (CDM), and generation programs.

Relationship to Vaughan Vision 2020

Under the Vaughan Vision 2020 this would relate to the initiatives of lead and promote environmental sustainability and ensure financial sustainability.

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Regional Implications

n/a

Conclusion

Municipalities are being encouraged to participate and I believe that this will benefit the City of Vaughan and ensure we are energy, cost and environmentally efficient.

Attachments

LAS Communication

Report prepared by:

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Respectfully submitted,

Peter Meffe,
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LAS COMMUNICATION

FYI N^o: 08-001

To the attention of the Clerk and Council
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LAS adds Energy Management Software to growing list of Energy Services

AMO's subsidiary, Local Authority Services (LAS), is rolling out a number of exciting conservation and demand management (CDM) programs under its Energy Services Division.

LAS was successful in obtaining funding to build conservation capacity and improve energy efficiency in municipal facilities via the following programs:

- Develop load profiles specific to wastewater treatment plants and identify demand response opportunities
- Offer a free **Audit++** service that targets 42 individual facilities and offers a comprehensive blueprint for moving forward with CDM and energy efficiency projects
- Train municipal staff to use the **Energy Management Tool (EMT)** and offer educational workshops on specific facility types and equipment applications
- Build a new module into the EMT that will track energy consumption and greenhouse gases (GHGs) produced by the full range of 2 and 4 stroke engines used by the municipal sector
- Report on key indicators and associated benchmarks for individual projects as well as total consumption patterns
- Hire an Energy Analyst to operate the EMT and provide support to member municipalities after the initial implementation
- Hire a Energy Manager to manage the benchmark development project and to provide ongoing advice on the development of energy management best practices plus the other CDM programs
- Develop benchmarks for all major municipal facilities
- Offer a number of technical workshops for municipal staff targeting specific operational and technological improvements that can be made in the top 10 energy consuming facilities

Those interested in these programs are advised to read the backgrounder and to consult the LAS Website. The information sheet and application for the **Audit++ Program** can be downloaded [here](#).

These programs will also utilize the **Energy Management Tool (EMT)**--a very dynamic on-line energy management software application. The EMT will allow municipal members to verify utility bills, benchmark and compare facility performance, measure and verify savings from energy conservation projects, reduce operational costs and improve processes, and meet corporate environmental stewardship goals including greenhouse gas (GHG) reductions. Those municipalities with interval meters will also be able to utilize the software to manage demand control schemes such as load shedding, peak shaving, or on-site generation. Look for a session on the EMT at our August Conference and/or contact LAS staff to learn more about the EMT.

The Canadian Green Building Council (CaGBC) is also offering a new program that targets the municipal sector. The LEED Canada Initiative for administrative buildings will take place over the next 18 months during which time the CaGBC is offering a subsidy for municipalities to register. The CaGBC is currently updating the LEED® Canada Green Building Rating System to address existing as well as new buildings, include all building types, and streamline the process to lower costs and shorten the time required for certification. The next generation of LEED Canada will be web-based, and incorporate actual performance-based energy and water efficiency credits. Click here to download the [overview](#) and [information sheet](#) on this program.

This information is available in the Energy Services section of the [LAS website](#)