

**CITY OF VAUGHAN**

**EXTRACT FROM COUNCIL MEETING MINUTES OF NOVEMBER 12, 2007**

Item 1, Report No. 2, of the Environment Committee, which was adopted without amendment by the Council of the City of Vaughan on November 12, 2007.



**1**

**CONFIRMATION/APPOINTMENT OF CHAIR**  
(Referred from Council meeting of October 9, 2007)

**The Environment Committee recommends:**

- 1) That Regional Councillor Frustaglio be appointed Chair of the Environment Committee;  
and**
- 2) That Councillor Alan Shefman be appointed Vice-Chair of the Environment Committee.**

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**EXTRACT FROM COUNCIL MEETING MINUTES OF NOVEMBER 12, 2007**

Item 2, Report No. 2, of the Environment Committee, which was adopted without amendment by the Council of the City of Vaughan on November 12, 2007.

**2 ADMINISTRATIVE AND REPORTING STRUCTURE  
ENVIRONMENT COMMITTEE**

**The Environment Committee recommends approval of the recommendation contained in the following report of the City Manager and the Manager of Corporate Policy, dated October 22, 2007:**

**Recommendation**

The City Manager and the Manager of Corporate Policy recommends that:

1. The Administrative and Reporting Structure for the Environment Committee forming Attachment No. 1 be received;
2. The recommended Administrative and Reporting Structure for the Environment Committee be further reviewed upon completion of the Environmental Master Plan.

**Economic Impact**

The reporting structure identified in this report will be accommodated within the existing staff complement, subject to any necessary changes in the job descriptions.

**Communications Plan**

Any changes will be reflected in the corporate organizational charts as required.

**Purpose**

The purpose of this report is to obtain approval for the administrative and reporting structure required to support the operations of the Environment Committee, which includes the preparation of the Environmental Master Plan. This report responds to the Environment Committee's request for further clarification of the structure set out in a report to the September 24, 2007 meeting of the Environment Committee (Attachment No. 2).

**Background – Analysis and Options**

**Background**

At its September 24, 2007 meeting the Environment Committee had before it a report entitled "Administrative and Reporting Structure, Environment Committee". The following motion was adopted, which was ratified by Council on October 9, 2007.

- 1) That the administrative and reporting structure be amended to reflect Members of Council's comments;
- 2) That the revised administrative and reporting structure be brought back to the Environment Committee meeting on October 22, 2007;
- 3) That the following report of the City Manager, dated September 24, 2007, be received.

This report has been prepared in response to this direction.

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##### Clarification of the Reporting and Administrative Structure for the Environment Committee

On September 24 the Environment Committee sought clarification on the reporting and administrative structure for the Committee. The September 24 report dealt specifically with the staff assigned to support the operations of the Committee. It did not include all of the reporting relationships. What was not shown was the relationship between the Commissions and the Environment Committee. This will be a critical component of the Committee's work.

This has been addressed in the organizational chart that forms Attachment No. 1 to this report. It illustrates how the various Commissions will report through their respective Commissioners to the City Manager. Inter-commission consultation and planning on these matters will take place through the Senior Management Team.

Support for the Committee will be provided by the Manager of Corporate Policy and the Economic Developer-Environmental Sector. The Manager of Corporate Policy also functions as the Project Coordinator for the Environmental Master Plan. The Economic Developer-Environmental Sector will report directly to the Manager of Corporate Policy in support of the preparation of the Environmental Master Plan. The Committee support function (Manager of Corporate Policy) reports to the City Manager and this resource is also available to work with one or more of the Commissions on a project basis.

The Economic Developer – Environmental Sector will continue to work in the Economic Development Department on environmental initiatives relating to business/industrial and economic development matters, reporting to the Manager of Economic Development. The Economic Developer – Environmental Sector will help to link the Corporate Policy and the Economic Development Departments, being the two departments playing the main role in supporting and facilitating the operations of the Environment Committee. This is consistent with the Terms of Reference for the operation of the Environment Committee.

The purpose of this approach is to provide a flexible structure that will optimize the level of support to the Environment Committee and the Commissions.

##### The Environment and Sustainability as a City-Wide Priority

Reporting to the City Manager, the Manager of Corporate Policy and the Economic Developer-Environmental Sector will play a dual role by supporting and facilitating the operations of the Environment Committee and by working on the preparation of the Environmental Master Plan. The Environmental Master Plan is one of the four components of the City's Growth Management Strategy. Responsibility for the preparation of the Environmental Master Plan has been assigned to the Environment Committee in its Terms of Reference.

Given the diversity of the City's operational and regulatory functions, each commission will develop their own plans and expertise, supported by the Environmental Master Plan process, to address the environmental issues under its jurisdiction. Departments will work through their Commissioners who will report to the Environment Committee on environmental/sustainability matters, subject to consultation with the Senior Management Team.

This approach is consistent with the objective of identifying the environment and sustainability as corporate priorities

##### Relationship to Vaughan Vision 2007

This report is consistent with priorities previously set by Council and is consistent with the objectives of Vaughan Vision 2007. Section 4, "Planning and Managing Growth", identifies the following objectives:

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4.4 Ensure City wide protection of the Environment

4.4.4 Ensure that municipal operations are undertaken in an environmentally responsible manner.

**Regional Implications**

There are no Regional implications resulting from the adoption of this report.

**Conclusion**

In moving forward with its plans and objectives, it will be important to ensure that the Environment Committee's operations are well-supported. Staff is satisfied that the proposed administrative and reporting structure described in this report will provide the Committee with the necessary assistance. The information provided in this report elaborates on the structure recommended in the report to the Committee on September 24, 2007. It expands on the early report by identifying the reporting relationships relationship between the Environment Committee and the Commissions. The recommended approach provides for the flexible and efficient application of resources to the Committee and maintains a corporate focus on the environment and sustainability.

Once the Environmental Master Plan is completed it will be appropriate to review this structure to ensure that it continues to be consistent with the needs of the Committee and to determine whether further adjustments are needed to support the implementation of the Environmental Master Plan. This review should take place after the completion of the EMP, in approximately one-year.

Therefore, it is recommended that the Administrative and Reporting Structure for the Environment Committee and the preparation of the Environmental Master Plan identified herein on Attachment No. 1 be received and that this arrangement be reviewed after the completion of the Environmental Master Plan.

**Attachments**

1. Environment Committee – Administrative and Reporting Structure
2. September 24, 2007 Report to the Environmental Task Force

**Report Prepared by:**

Roy McQuillin, Manager of Corporate Policy, ext. 8211

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

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Item 3, Report No. 2, of the Environment Committee, which was adopted without amendment by the Council of the City of Vaughan on November 12, 2007.

**3 ENERGY STAR<sup>®</sup> PROGRAM  
STANDARD CONDITIONS OF DRAFT PLAN OF SUBDIVISION APPROVAL  
GENERAL FILE 22.22**

The Environment Committee recommends:

- 1) That Clause 1 of the recommendation contained in the following report of the Commissioner of Planning, dated October 22, 2007, be approved;
- 2) That this report be forwarded to the Committee of the Whole meeting of November 5, 2007; and
- 3) That a communications strategy be prepared detailing the positive impact of this initiative.

**Recommendation**

The Commissioner of Planning recommends:

1. THAT the proposed Conditions of Draft Plan of Subdivision Approval regarding the implementation of the Energy Star<sup>®</sup> Program attached hereto as Attachment #1, be included as part of the Standard Draft Plan of Subdivision Conditions for all future low rise development in residential subdivisions.
2. THAT this report be forwarded to the Committee of the Whole for its consideration and approval.

**Economic Impact**

There are no requirements for new funding associated with this report.

**Communications Plan**

N/A

**Purpose**

To provide a mechanism by which the City can promote the Energy Star<sup>®</sup> Program for use in all new construction for low rise residential development through the application of conditions of draft plan of subdivision approval.

**Background – Analysis and Options**

**Energy Star<sup>®</sup> Program**

Energy Star<sup>®</sup> is internationally recognized as the highest energy efficiency standard in the market. In 2005, Natural Resources Canada expanded the Energy Star<sup>®</sup> Initiative in Canada to include energy-efficient new homes being built in Ontario. The pilot project in Ontario is managed for Natural Resources Canada by EnerQuality Corporation. Energy Star<sup>®</sup> can be applied to all low rise residential types regulated by the Ontario Building Code, which include all forms of single detached, attached and stacked housing. The Energy Star<sup>®</sup> program utilizes the EnerGuide scale for measuring energy efficiency. Using the EnerGuide scale, a typical single detached dwelling is

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built to EnerGuide 70, whereas Energy Star® would bring that rating up to 80. In order to be certified as “Energy Star”, the builder builds to the EnerGuide for New Houses protocol, and a third party auditor evaluates the house to ensure that the standards have been met.

New homes that are qualified to receive the Energy Star® label will be 30 to 40 percent more energy efficient than those built to minimum Ontario Building Code standards, and will produce 2 to 3 tonnes less greenhouse emissions. The increased efficiency of these homes translates into reduced energy costs for homeowners.

Typical energy-efficient measures contribute to improved quality and comfort in the home, lower energy demands and reduced pollution. The Energy Star® label is earned only by homes that have met strict requirements, allowing homebuyers to rely on the performance tested, third party verified, government backed Energy Star® label to know they are buying the most efficient house on the market.

#### An Energy Star Qualified Home

An Energy Star qualified home is a home that has been built by a licensed Energy Star® for New Homes builder. The builder incorporates energy efficient features into the home so that it can meet the Energy Star® for new homes technical specifications. In order to do so, builders typically incorporate the following energy efficiency measures:

- All furnaces, heat pumps, thermostats and fireplaces are Energy Star qualified. The annual fuel utilization efficiency rating (AFUE) of furnaces complies with rigorous Canadian minimum efficiency requirements, resulting in the use of less fuel.
- All heating and cooling ducts, are to be sealed to ensure less leakage at duct joints, therefore less heat is lost as air moves from the furnace to the living areas of the home and air conditioning is evenly and properly distributed.
- All windows, glass doors and skylights comply with Canada’s requirements for Energy Star® qualified windows, of which, these features alone could cut more than 10% off the home’s energy costs.
- More insulation in the ceilings and walls of an Energy Star® qualified home than required by the Building Code, which reduces heat loss, and puts less strain on heating and cooling systems.
- Energy Star® qualified new homes must meet rigorous air tightness targets. Reduced air movement through the building envelope, as revealed by an air leakage test, means less draftiness for the homeowner. Inclusion of a heat recovery ventilation system (HRV) creates improved air quality.
- Additional homeowner savings if the builder supplies Energy Star® qualified appliances and lighting.

Upon completion of each Energy Star® qualified home, an independent third party Energy Star® for New Homes evaluator verifies that each home has been built to Energy Star® for New Homes technical specifications. After the verification process is complete, Natural Resources Canada issues an Energy Star® for New Homes label and certificate to the homeowner. The label is usually placed on the home’s electrical panel and includes a regional service organization seal of authenticity.

#### Block 39 and the Energy Star Program

The Development Planning Department, together with the TRCA, PowerStream, and Canada Mortgage and Housing Corporation (CMHC) have been working together to develop a pilot “sustainable community” project within the portion of Block 39 adjacent to the Kortright Centre. The purpose of the sustainable community pilot project is to mirror some of the work being undertaken by the TRCA at the Kortright Centre, which is being transformed into the Toronto and

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Region Conservation Authority's (TRCA) new "Living City Campus". Part of the vision for this campus includes demonstrating sustainable forms of development including the design and construction of two "Archetype" homes which will be used as a demonstration and learning tool for sustainable technologies. The Archetype homes constructed on the Kortright Centre site will be LEED Gold and ENERGY STAR®.

Immediately east of the Kortright Centre, the Block 39 community provides an excellent opportunity to integrate the work at the Kortright Centre with real examples of how more sustainable forms of residential development can occur within the suburban context.

The remaining 8 developers within the north-west portion of the Block 39 plan area have voluntarily agreed to design and build all the homes within their respective subdivisions to ENERGY STAR® standards. This is the first ENERGY STAR® community in Vaughan, and the largest ENERGY STAR® community in York Region. On September 25, 2006, Vaughan Council approved the 8 proposed draft plans of subdivision with conditions that include the generic list of Energy Star® conditions, attached hereto as Attachment #1.

#### GTA and the Energy Star® Program

In 2006, EnerQuality Corporation reported that there were 802 Energy Star® qualified homes built in Ontario. Pilot projects similar to the development in Block 39 and Energy Star Homes have been approved throughout the GTA including areas such as Milton, Newmarket, Barrie, and Uxbridge.

The Town of East Gwillimbury is the first municipality in Canada to adopt Energy Star® Standards for new housing. On March 20, 2006, the Town of East Gwillimbury Council passed a municipal policy directing developers of residential developments of ten or more units to be constructed to Energy Star® qualification.

#### Bill 51 – Sustainable Design

On January 1, 2007, Bill 51, the Provincial Government's reform to the Planning Act came into effect. Bill 51 introduces a series of new regulations empowering local municipalities to adopt among other things, sustainable design criteria. Specifically:

- Addition of provincial interest that promotes development that is sustainable, to support public transit and to be pedestrian-oriented as a provincial interest (Clause 2(q)).
- Enables approval authorities to consider subdivision design that optimizes the supply, efficient use and conservation of energy in the review of a draft plan of subdivision (clause 51(24(l))).

The adoption of the Energy Star® program will assist the municipality in achieving sustainable development and delivering high quality energy efficient dwellings to its residents.

#### Ontario Building Code

The Ontario Building Code provides for minimum standards of construction which govern and mandate the building permit process. Since the Energy Star® construction standards are in excess of the Building Code requirements, the Building Department has no legislative authority by which to enforce this standard on all new construction. However, additional energy efficiency requirements such as Energy Star® can be recommended to be included as a standard condition through dwelling construction governed by a Subdivision Agreement, prior to issuance of a building permit, in order to achieve more energy efficient dwellings than the current Building Code requirements. Council should be aware that the agreements are not applicable law under the Building Code and must be enforced through other means.

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On June 28, 2006, the Building Code was amended to introduce more stringent energy efficient standards for residential buildings, which will be phased in its implementation. Effective January 1, 2007, newly built homes will reach a 74 rating on the EnerGuide Scale. By 2012, the Building Code will require that new houses meet requirements for a 80 rating on the EnerGuide scale (Energy Star®).

**Relationship to Vaughan Vision 2007**

This report is consistent with the priorities set forth in Vaughan Vision 2007, particularly 'A-5', "Plan and Manage Growth".

**Regional Implication**

N/A

**Conclusion**

The Commissioner of Planning recommends that the Environment Committee forward a recommendation to Committee of the Whole to introduce Energy Star® Program Standard Draft Plan of Subdivision conditions for all future low rise residential development.

**Attachments**

1. Standard Energy Star® Conditions of Draft Plan of Subdivision Approval for Residential Development

**Report prepared by:**

Carmela Marrelli, Planner, ext. 8791

Grant Uyeyama, Manager of Development Planning, ext. 8635

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

Please refer to Item 13, Report No. 50, Committee of the Whole for further disposition regarding this matter.



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**EXTRACT FROM COUNCIL MEETING MINUTES OF NOVEMBER 12, 2007**

Item 4, Report No. 2, of the Environment Committee, which was adopted without amendment by the Council of the City of Vaughan on November 12, 2007.

**4**

**PRESENTATION OF MS. GABRIELLA KALAPOS,  
THE CLEAN AIR PARTNERSHIP, WITH RESPECT TO RECENT ACTIVITIES  
AND INITIATIVES**

**The Environment Committee recommends that the presentation of Ms. Gabriella Kalapos, Director, Outreach Programs, The Clean Air Partnership, regarding recent activities and initiatives, be received.**

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Item 5, Report No. 2, of the Environment Committee, which was adopted without amendment by the Council of the City of Vaughan on November 12, 2007.

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**5                    PRESENTATION OF MR. MIKE PELAIC, GREEN PLANET INDUCTION LIGHTING COMPANY, WITH RESPECT TO NEW ENERGY SAVING LIGHT SOURCE**

**The Environment Committee recommends:**

- 1)        That the presentation of Mr. Mike Pelaic, Green Planet Induction Lighting Company, with respect to New Energy Saving Light Source and presentation material submitted, be received and referred to appropriate staff in Buildings & Facilities, Engineering & Public Works and Planning for a further report on energy saving lighting initiatives;**
- 2)        That staff be directed to provide a report with a listing of new municipal buildings forecasted in the next five years and identifying energy efficient initiatives; and**
- 3)        That staff be directed to provide a report on the Block 10 Community Centre identifying energy efficient initiatives that have or could be included.**