

COMMITTEE OF THE WHOLE (WORKING SESSION) OCTOBER 29, 2002

VAUGHAN ENTERPRISE GIS ACCOMPLISHMENTS TO DATE

Recommendation

The Commissioner of Economic/Technology Development and Communications recommends:
That this report and presentation be received for information purpose only.

Purpose

To keep Council updated on the City of Vaughan Enterprise GIS implementation project with accomplishments and progress to date.

Background

The use of GIS technologies in municipal government will be extensive, enabling many departments to increase operational efficiencies. These improvements will be the result of better information sharing between departments and better use of information for decision making, operational management and e-government services.

In the year of 2000, the City of Vaughan started the Enterprise GIS initiative. On March, 2002, Munirom Technologies Inc. was approved by the City's Council as the GIS Consultants to continue the three years implementation of the City of Vaughan Enterprise GIS. On June, 2002, Corporate GIS was formed to support this initiative. To date, the following milestones have been accomplished:

1. Number of GIS servers (internet/intranet, Oracle Geo database, and Teranet GeoServer servers) have been implemented and integrated into corporate LAN, supporting a number of applications.
2. The database contains a live list of Applications that are entered as they arrive at Vaughan.
3. The database contains digital maps that define where these applications are.
4. The first reorganization of data for the database is complete. This includes the Parcel Fabric, the Street Centre, the Application Polygons and some M-Plans.
5. There are approximate 35 users of DTA (Development Tracking Application) from the Planning, Finance, and Clerks Departments, who have received training on the use of the DTA. As the result, the Planning Department will utilize DTA to its full potential as part of their day to day activities.
6. The internal DTA website is continually running in an evaluation mode, and will be tested by the outside stakeholders by year's end.
7. The first phase of the VPI (Vaughan Parcel Integration) is complete. This now provides a good source for regenerating address lists through GIS.
8. Infrastructure workshops are well under way to design an infrastructure Data Model that will fold the spatial representation of Vaughan's infrastructure. This Model is being designed in harmony with the GIS Corporate Data Model.

9. AMANDA RSN to PIN and RSN to AROLL correlation tools have been completed, allowing for data conversion of the AMANDA system to take advantage of GIS Technology.
10. The Corporate IRM (Information Resource Management) project has begun focusing on establishing a policy framework and enterprise data model governing enterprise delivery of GIS.
11. The installation of GEOSERVER for Teranet is completed. This product gives monthly online transactional access to the Registry office POLARIS database.
12. "Beyond Maps" - Corporate GIS Newsletter is launched on October 21, 2002 to all internal users.

The combination of Enterprise database management and internet/intranet technologies will generate a powerful synergy. Web-based (internet/intranet) technology will be increasingly integrated into Vaughan Enterprise GIS environment, and be utilized for different kinds of e-government services in the near future.

In the year 2003, upon funding and support staff, corporate GIS development will concentrate on:

- Continue GIS data and databases construction and integration;
- Infrastructure GIS data conversion and management system development, i.e. Water, Sewer, Road and traffic control management;
- Planning GIS data and application development, i.e. OP/Zoning & OPA/Re-Zoning on-line applications;
- Economic Development GIS data and application development, i.e. Site Selection, Business Alliance Application;
- City's GIS web site – www.VaughanGIS.info (phase II), a portal to deliver all GIS related e-government services by working and interacting seamlessly with the City's other Enterprise Internet/Intranet sites.

Conclusion

In general, Vaughan Enterprise GIS implementation is proceeding according to schedule and on budget.

Respectfully submitted,

Frank Miele
Commissioner of Economic/Technology Development and Communications