shapefiles to Server: a roadmap for Enterprise GIS at King Township

Area: 333 km²
Pop: 19,899 (2011)

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CHAPTER I:
BUSINESS CASE
“The need for this position is critical for the sustainability of the infrastructure in the Township of King.”

- Survey, drafting and design of infrastructure improvements
- Inventory auditing/maintenance of Public Works infrastructure
- PSA B updating of tangible capital assets
- Integrating data into GIS
- Township liaison with Region of York
“All departments would benefit from geographical relational analysis”

- Zoning mapping
- Notification lists
- OP Schedule maintenance
- Buffer analysis
- Facilities mapping
- Development tracking
- Spatial analysis and modeling for OP review
- Design, develop and maintain spatial geodatabase
• Property Information Reporting
• ByLaw infraction reports
• Park development planning
• Coverage and facilities analysis
• Incident tracking/reporting
• Infrastructure (fire hydrants) inventory

“... Clerks, Parks Recreation & Culture and Fire departments will benefit”
CHAPTER I: BUSINESS CASE
• Focus Groups
• ArcGIS Explorer Pilot
• YorkInfo Partnership
• Logo
Focus Groups Results: Data

- Teranet Parcels
- Zoning Layer
- MNR Features
- MPAC Parcels
- ORM Features
- AVL
- Road Signs
- Street Lights
- Sidewalk
- Easements
- OP
Focus Groups Results: Objectives

- Zoning Data
- Snow Plow Routes
- CRM Link to GIS
- Land Management System
- Site Specific Amendments
- 4 cores - 2 std + 2 additional
- 10 concurrent connections
- SDE on SQL Server Express
- direct connect
- 10GB storage limit
ArcGIS Standard - 1 license

- Ability to administer ArcGIS Server
- Edit within a versioned environment

ArcGIS Basic - 4 concurrent licenses

- Consume any GIS data
- Edit data within FGDB and PGDB, i.e., replication
- Individual geoDatabases for each business unit
- Strive for a logical approach to layout and naming for non-GIS users.
Load2SDE

- Clips to our boundary, data stamps the import
- Eliminates user error ie typos etc.
- Highly customizable deployment options
- Consumes multiple data formats (Map Services, shapefiles, georeferenced images)
- Consumes Geoprocessing Services
- Uses Add-Ins to extend functionality
ArcGIS for Local Government (Canada)
• Polling Place Locator
CHAPTER II:
THE FIRST 12 MONTHS
1. DYNAMICS (Diamond)

2. Automatic Vehicle Location

3. OPEN DATA
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ARE THERE ANY QUESTIONS? FEEL FREE TO ASK ANYTHING AT ALL.

WHY DO GHOSTS HAVE CLOTHES?

IF SOMEONE GIVES YOU A WEDGIE AT THE MOMENT YOU DIE, WILL YOU HAVE IT FOR ETERNITY?

... any questions?