**APPENDIX 2**

Town of Markham • Year 2003 Report

# Local Government

| 1b. OPERATING COSTS<br>Governance and political support, and corporate management support |
|---|
| Operating costs for governance and Corporate Management x100<br>Total Municipal Operating Costs |
| **8.50% of total municipal operating costs** |
| ***Efficiency Measure***<br>*Governance and corporate management as a percentage of total municipal operating costs.*<br><br>***Objective***<br>*Efficient municipal management.* |

*This measure is reported if a municipality uses the general government categories developed by the Ontario Municipal CAO's Benchmarking Initiative (OMBI) and approved by the province: governance and political support, corporate management and support, program support.*

*If the OMBI FIR categories were used, general government is defined as governance and political support, and corporate management and support. This is shortened to the phrase "governance and corporate management".*

# Fire Services

| 2. OPERATING COSTS |
|---|
| Operating costs for Fire Services<br>(Total assessment / 1,000) |
| **$0.75 per $1,000 of assessment** |
| ***Efficiency Measure***<br>*Operating costs for fire services per $1,000 of assessment.*<br><br>***Objective***<br>*Efficient municipal fire services.* |

# Road Services

| 5. OPERATING COSTS FOR PAVED ROADS | 6. OPERATING COSTS FOR UNPAVED ROADS |
|---|---|
| Operating costs for paved roads / Total paved lane kilometres | Operating costs for unpaved roads / Total unpaved lane kilometres |
| **$612.20 per paved lane kilometre** | **$6,833.28 per unpaved lane kilometre** |
| ***Efficiency Measure***<br>*Operating costs for paved (hard top) roads per lane kilometre.*<br><br>***Objective***<br>*Efficient maintenance of paved roads.* | ***Efficiency Measure***<br>*Operating costs for unpaved (loose top) roads per lane kilometre.*<br><br>***Objective***<br>*Efficient maintenance of unpaved roads.* |

| 7. OPERATING COSTS FOR WINTER CONTROL | 8. CONDITION OF ROADS |
|---|---|
| Operating costs for winter control maintenance of roadways / Total lane kilometres maintained in winter | Number of paved lane kilometres rated as good to very good x100 / Total number of paved lane kilometres tested |
| **$2,776.69 per lane kilometre** | **87.3% of lane kilometres** |
| ***Efficiency Measure***<br>*Operating costs for winter control maintenance of roadways per lane kilometre.*<br><br>***Objective***<br>*Efficient winter control operation.* | ***Effectiveness Measure***<br>*Percentage of paved lane kilometres where condition is rated as good to very good.*<br><br>***Objective***<br>*Provide a paved lane system that has a pavement condition that meets municipal standards.* |

| 9. WINTER EVENT RESPONSES |
|---|
| Number of winter event responses that met or exceeded municipal road maintenance standards x100 / Total number of winter events |
| **100.00% of winter event responses** |
| ***Effectiveness***<br>*Percentage of winter event responses that met or exceeded municipal road maintenance standards.*<br><br>***Objective***<br>*Provide appropriate winter response.* |

# Wastewater

| 12a. OPERATING COSTS FOR COLLECTION | 12b. OPERATING COSTS FOR TREATMENT AND DISPOSAL |
|---|---|
| Operating costs for collection of wastewater<br>Total KM of Wastewater Mains plus (0.10 KM times Number of Connections) | Operating costs for treatment and disposal of wastewater<br>Total megalitres of wastewater treated |
| **$1,947.44 per kilometre of main** | **$398.10 per megalitre** |
| ***Efficiency Measure***<br>*Operating costs for the collection of wastewater per kilometre of wastewater main.*<br><br>***Objective***<br>*Efficient wastewater collection services.* | ***Efficiency Measure***<br>*Operating costs for the treatment and disposal of wastewater per megalitre.*<br><br>*A megalitre equals 1,000,000 litres or 1,000 cubic metres.*<br><br>***Objective***<br>*Efficient water treatment and disposal services.* |

*This measure is reported only if the municipality is responsible for wastewater collection and wastewater treatment and disposal.*

*Municipalities with integrated systems may also report the individual measures for collection, treatment and disposal of wastewater.*

# Wastewater

| 12c. OPERATING COSTS FOR COLLECTION TREATMENT AND DISPOSAL | 13. MAIN BACKUPS |
|---|---|
| Operating costs for wastewater collection, treatment and disposal / Total megalitres of wastewater treated | Total number of backed up wastewater connections / Total kilometres of wastewater mains /100 |
| **$473.15 per megalitre** | **1.187 per 100 kilometres of main** |
| ***Efficiency Measure***<br>*Operating costs for collection, treatment, and disposal of wastewater per megalitre.*<br><br>*A megalitre equals 1,000,000 litres or 1,000 cubic metres.*<br><br>***Objective***<br>*Efficient wastewater services.* | ***Effectiveness Measure***<br>*Number of wastewater main backups per 100 kilometres of wastewater main in a year.*<br><br>***Objective***<br>*Prevention of human and environmental health hazards.* |

*This measure is reported only if the municipality is responsible for wastewater collection and wastewater treatment and disposal.*

*Municipalities with integrated systems may also report the individual measures for collection, treatment and disposal of wastewater.*

| 14. TREATMENT BYPASS |
|---|
| $\frac{\text{Estimated megalitres of untreated wastewater}}{\text{Total megalitres of wastewater, including treated and untreated}} \times 100$ |
| **N/A** |
| ***Effectiveness Measures***<br>*Percentage of wastewater estimated to have by-passed treatment.*<br><br>*A megalitre equals 1,000,000 litres or 1,000 cubic metres.*<br><br>***Objective***<br>*Effective wastewater and treatment and disposal services.* |

# Water Services

| 15a. OPERATING COSTS FOR TREATMENT | 15b. OPERATING COSTS FOR DISTRIBUTION | 15c. OPERATING COSTS FOR TREATMENT AND DISTRIBUTION |
|---|---|---|
| Operating costs for treatment of drinking water<br>Total megalitres of drinking water treated | Operating costs for distribution of drinkgin water<br>Total KM of water distribution pipe plus (0.10 KM times No. of Connections) plus (0.005KM times No. of Hydrants) | Operating costs for treatment and distribution of drinking water<br>Total megalitres treated |
| **$434.30 per megalitre** | **$4,030.99 per kilometre of distribution pipe** | **$613.70 per megalitre** |
| ***Efficiency Measure***<br>*Operating costs for the treatment of water per megalitre.*<br><br>*A megalitre equals 1,000,000 litres, or 1,000 cubic metres.*<br><br>***Objective***<br>*Efficient production of potable water.* | ***Efficiency Measure***<br>*Operating costs for the distribution of water per kilometre of water distribution pipe.*<br><br>***Objective***<br>*Efficient distribution of water.* | ***Efficiency Measure***<br>*Operating costs for the treatment and distribution of water per megalitre (Integrated System).*<br><br>*A megalitre equals 1,000,000 litres, or 1,000 cubic metres.*<br><br>***Objective***<br>*Efficient production and distribution of water.* |
| *This measure is reported if the municipality is responsible for the treatment of water.*<br><br>*This measure is optional for municipalities with integrated water systems since the FIR does not record the measure.* | *This measure is reported if the municipality is responsible for the distribution of water.*<br><br>*This measure is optional for municipalities with integrated water systems since the FIR does not record the measure.* | *This measure is reported only if the municipality is responsible for both the treatment and distribution of water.*<br><br>*Municipalities with integrated systems may also report the individual measures for treatment of water, and distribution of water.* |

| 16. BREAKS IN WATER MAINS | 17. BOIL WATER ADVISORIES |
|---|---|
| Number of water main breaks in a year<br>Total kilometres of water distribution pipe / 100 | Summation of: number of boil water advisory days times the number of affected connections<br>Total connections in service area |
| **4.62 breaks per 100 kilometres of main** | **0 days a year** |
| ***Effectiveness Measure***<br>*Number of breaks in water mains per 100 kilometres of water main pipe in a year.*<br><br>***Objective***<br>*Improve system reliability and minimize water loss and operational costs.* | ***Effectiveness Measure***<br>*Weighted number of days when a boil water advisory issued by the Medical Officer of Health, applicable to a municipal water supply, was in effect.*<br><br>***Objective***<br>*Water is safe and meets local needs.* |

# Solid Waste

| 18a. OPERATING COSTS FOR COLLECTION | 18b. OPERATING COSTS FOR DISPOSAL |
|---|---|
| Operating costs for garbage collection<br>Total tonnes collected from all property classes | Operating costs for garbage disposal<br>Total tonnes disposed from all property classes |
| **$57.03 per tonne** | **$2.84 per tonne** |
| ***Efficiency Measure***<br>*Operating costs for garbage collection per tonne or per household.*<br><br>***Objective***<br>*Efficient collection services without adverse affect on environment*. | ***Efficiency Measure***<br>*Operating costs for garbage disposal per tonne or per household.*<br><br>***Objective***<br>*Efficient disposal of solid waste.* |
| *This measure is reported by municipalities which are responsible for garbage collection.*<br><br>*This measure is optional for municipalities with integrated solid waste management systems.*<br><br>*A municipality is required to report result in total tonnes. If tonnage figure is unavailable, the household numbers may be used.* | *This measure is reported by municipalities which are responsible for solid waste disposal.*<br><br>*This measure is optional for municipalities with integrated solid waste management systems.*<br><br>*A municipality is required to report result in total tonnes. If tonnage figure is unavailable, the household numbers may be used.* |

# Solid Waste

| 19. OPERATING COSTS FOR DIVERSION | 19A. OPERATING COSTS – NET OF REVENUES FOR DIVERSION |
|---|---|
| Operating costs for solid waste diversion<br>Total tonnes diverted from all property classes | Operating costs for solid waste diversion<br>Total tonnes diverted from all property classes |
| **$142.80 per tonne** | **N/A** |
| ***Efficiency Measure***<br>*Operating costs for solid waste diversion (recycling) per tonne or per household.*<br><br>***Objective***<br>*Waste programs divert garbage from landfills and incinerators.* | ***Efficiency Measure***<br>*Operating costs for solid waste diversion (recycling) per tonne or per household.*<br><br>***Objective***<br>*Waste programs divert garbage from landfills and incinerators.* |
| *This measure is reported by municipalities which are responsible for solid waste diversion.*<br><br>*This measure is optional for municipalities with integrated solid waste management systems.*<br><br>*A municipality is required to report result in total tonnes. If tonnage figure is unavailable, the household numbers may be used.* | *This measure is reported by municipalities which are responsible for solid waste diversion.*<br><br>*This measure is optional for municipalities with integrated solid waste management systems.*<br><br>*A municipality is required to report result in total tonnes. If tonnage figure is unavailable, the household numbers may be used.* |

# Solid Waste

## 20. OPERATING COSTS FOR INTEGRATED SYSTEM

Operating costs for solid waste management
Total tonnes disposed of and total tonnes diverted from all property classes

**$88.95 per tonne**

***Efficiency Measure***

*Average operating costs for solid waste management (collection, disposal and diversion) per tonne or per household.*

***Objective***

*Efficient solid waste management programs.*

*This measure is reported only by those municipalities with integrated solid waste management systems. These municipalities are responsible for garbage collection, garbage disposal, and solid waste diversion (recycling).*

*Municipalities with integrated systems may, if desired, report the individual measures for garbage collection, garbage disposal, and solid waste diversion (recycling).*

*A municipality is required to report result in total tonnes. If tonnage figure is unavailable, the household numbers may be used.*

# Solid Waste

| 21a. FACILITY COMPLIANCE | 21b. NUMBER OF SOLID WASTE MANAGEMENT SITES | 22. COMPLAINTS FOR SOLID WASTE AND RECYCLING COLLECTION |
|---|---|---|
| Total number of days per year MOE compliance order was in effect | Total number of waste management facilities | Number of Complaints received in a year concerning the collection of garbage and recycled materials<br>Total Households / 1,000 |
| **0 days** | **4 sites** | **58.311 complaints per 1,000 households** |
| ***Effectiveness Measure***<br>*Number of days per year when a Ministry of Environment compliance order for remediation concerning an air or groundwater standard was in effect for a solid waste management facility, by site.*<br><br>***Objective***<br>*Municipal solid waste services do not have an adverse affect on environment.* | ***Effectiveness Measure***<br>*Total number of solid waste management sites owned by municipality.*<br><br>***Objective***<br>*Effective management of solid waste.* | ***Effectiveness Measure***<br>*Number of complaints received in a year concerning the collection of solid waste and recycled materials per 1,000 households.*<br><br>***Objective***<br>*Effective waste management services.* |

| 23a. DIVERSION OF SOLID WASTE | |
|---|---|
| Total tonnes of residential waste diverted<br>Total tonnes of residential solid waste disposed of and total tonnes diverted | |
| **35.10% of solid waste** | |
| ***Effectiveness Measure***<br>*Percentage of residential solid waste diverted.*<br><br>***Objective***<br>*Municipal waste programs divert garbage from landfills and incinerators.* | |

*This measure is reported if the municipality records tonnage for residential solid waste separately from ICI tonnage.*

# Land Use Planning

| 24. GROWTH AND SETTLEMENT PATTERN |
|---|
| Number of new lots, blocks and / or units with final approval which are located within settlement areas x100<br>Total number of new lots, blocks and / or units with final approval within the entire municipality |
| **100.00% of new development** |
| ***Effectiveness Measure***<br>*Percentage of new development with final approval which is located within settlement areas.*<br><br>***Objective***<br>*New lot creation is occurring in settlement areas.* |

| 25a. PRESERVATION OF AGRICULTURAL LAND IN REPORTING YEAR | 25b. CHANGE IN NUMBER OF DESIGNATED HECTARES IN REPORTING YEAR |
|---|---|
| Hectares of land designated for agricultural purposes in the Official Plan as of December 31, 2003<br>Hectares of land designated for agricultural purposes in the Official Plan as of January 1, 2003 | Number of hectares of land originally designated for agricultural purposes which was re-designated for other uses during the reporting year. |
| **98.3% of agricultural land (reporting year)** | **118 hectares** |
| ***Effectiveness Measure***<br>*Percentage of land designated for agricultural purposes which was preserved during 2001.*<br><br>***Objective***<br>*Preserve agricultural land.* | ***Effectiveness Measure***<br>*Number of hectares of land originally designated for agricultural purposes which was re-designated for other uses during 2001.*<br><br>***Objective***<br>*Preserve agricultural land.* |

| 25c. AGRICULTURAL LAND RELATIVE TO BASE YEAR | 25d. REDESIGNATED AGRICULTURAL LAND |
|---|---|
| Hectares of land designated for agricultural purposes in the Official Plan as of December 31, 2003<br>Hectares of land designated for agricultural purposes in the Official Plan as of January 1, 2000 | Number of hectares of land originally designated for agricultural purposes which was re-designated for other uses since January 1, 2000 |
| **98.3% of agricultural land (relative to base year)** | **118 hectares** |
| ***Effectiveness Measure***<br>*Percentage of land designated for agricultural purposes which was preserved relative to base year of 2000.*<br><br>***Objective***<br>*Preserve agricultural land.* | ***Effectiveness Measure***<br>*Number of hectares of land originally designated for agricultural purposes which was re-designated for other uses since January 1, 2000.*<br><br>***Objective***<br>*Preserve agricultural land.* |