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WATER AND WASTEWATER INFRASTRUCTURE STATUS REPORT

The Joint Transportation and Works Committee and Planning and Economic Development Committee recommends the following:

- 1. The presentation by Bala Araniyasundaran, Manager, Engineering Water and Wastewater, be received; and**
- 2. The recommendations contained in the following report, June 7, 2005, from the Commissioner of Transportation and Works and the Commissioner of Planning and Development Services, be adopted:**

1. RECOMMENDATIONS

It is recommended that:

1. This report be received for information by Committee and Council.
2. Staff continue to provide quarterly updates on the priority projects linked to the release of additional capacity.
3. The Regional Clerk forward copies of this report to the Clerks of the Municipalities of Vaughan, Markham, Richmond Hill, Aurora, Newmarket, East Gwillimbury, King and Whitchurch/Stouffville.

2. PURPOSE

The purpose of this report is to update Committee and Regional Council on the status and future activities for the priority water and wastewater infrastructure projects required to meet system demands in the short term and that have been identified as triggers associated with the release of additional capacity.

3. BACKGROUND

In the fall of 2003, staff recognized that continued approval delays with the 16th Avenue Sewer Phase Two project was affecting the Region's ability to continue the release of additional sewage capacity to the local municipalities serviced by the YDSS system. Following these events, a full review of all priority projects as defined by the water and wastewater master plans was undertaken. In addition, improvements to the modelling tools available to the Region were being completed, resulting in improved ability to predict system capacities and the effects of the various infrastructure components.

Based on the conclusions of these infrastructure modelling activities, on October 21, 2004, Council approved the release of additional sewage and water capacity to accommodate up to 913,000 within the YDSS service area. In the presentation of the additional available capacity, staff also identified the influence of critical infrastructure projects within the YDSS system. In some instances, release of capacity was contingent on the completion of certain infrastructure projects. Regional Council further directed staff to prepare a protocol for release of future water and wastewater capacity, in consultation with area municipal staff, to meet planned Regional and local municipal growth objectives.

In January 2005, and in support of a capacity allocation protocol, staff proposed to Council the creation of a capacity monitoring report as a means of tracking available capacity and the relationship with infrastructure projects. The intent of this report was to provide each municipality with a detailed local servicing plan which would benefit both the municipalities and the Region with respect to managing capacity availability, timing and distribution. The capacity monitoring report is to be completed in the fall of 2005.

This status report is a supporting report to the Joint Planning and Development and Transportation and Work report titled "Water and Wastewater Capacity and Servicing Assignment Protocol" which is submitted to the joint meeting of the Transportation and Works and Planning and Development Committees on June 15, 2005. This report provides a status of the Capacity Monitoring Report and a brief summary of the priority infrastructure projects that are being identified as triggers for release of additional capacity that has been identified through the Servicing Assignment Protocol.

4. ANALYSIS AND OPTIONS

The following sections provide a status of the capacity monitoring report activities, and the priority projects.

The projects are divided into water and wastewater categories with a brief description of the project, the current project status, current issues affecting project progress and future activities.

4.1 Capacity Monitoring Report Update

The purpose of the capacity monitoring report is to provide:

- Regional Council and the local municipalities with documented periodic updates regarding committed and uncommitted water and wastewater transmission and treatment capacity.

- Regional and municipal staff with a single source of sufficiently detailed information to allow appropriate and timely review of the water and wastewater aspects of development applications.

The report will include all regionally-serviced areas including the satellite communities which are the smaller systems not serviced by the YDSS and the York Water System. These communities include Kleinburg, Nobleton, Schomberg, Mount Albert, Sutton, Keswick, King City (water), and Stouffville (water). The report will be updated on an annual basis through a consultative process with the area municipalities. The 2005 release of the report will provide capacity information to 2011 with the time horizon expanding in future updates.

The capacity monitoring report will only address supply issues and will not address demand issues related to capacity distribution to municipalities for allocation. These aspects are addressed through the accompanying report on Servicing Assignment Protocol which defines the processes for allocating capacity to the local municipalities as developed in consultation with the municipalities serviced by the YDSS.

4.1.1 Status of Capacity Monitoring Report

Region staff have had several consultative meeting with staff of the municipalities both on an individual basis as well as in a group setting. The focus of these sessions has been to define the content of the report and create a reporting structure that will be beneficial to each municipality so that the information provided can be used both at the local level as well as the regional level. Tasks completed to date are:

- Defined report content requirements and structure.
- Defined specific service boundaries and discrete catchment areas for both water and wastewater servicing for each municipality.
- Identified critical infrastructure required to increase service capacity (a significant portion of which is the subject of this report).

In addition to the completion of the capacity monitoring report, municipal staff have also expressed varying degrees of interest in other areas related to servicing which would benefit from municipal/ regional coordination. These include inflow and infiltration investigations, increased data sharing, adoption of common data standards, use of a single integrated model which could be used for both Regional and local system hydraulic analysis.

Staff will continue facilitating meetings with the area municipalities in support of the capacity monitoring report activities.

4.2 Priority Wastewater Projects

The priority wastewater projects are projects defined in the YDSS Master Plan that have been identified as being required within the five year horizon to meet future demand requirements. The priority projects are listed below and also presented in *Attachment 1 – Priority Wastewater Projects Map*:

- Newmarket Equalization Tank.
- Aurora Equalization Tank.
- 16th Avenue Sewer, Phase 2.
- YDSS Interceptor Sewer.
- Southeast Collector.
- Duffin Creek WPCP Expansion.
- Peel Wastewater Diversion.
- Bathurst and Langstaff Collector Sewers.
- Pine Valley Pumping Station.
- Queensville/ Holland Landing Servicing.

4.2.1 Newmarket Equalization Tank

The Newmarket Equalization tank is required to allow detention of wet weather flows at the existing Newmarket Sewage Pumping Station site. Providing flow equalization at this location expands the service capacity of the pumping station by buffering wet weather-derived peak flows to the pumping station. This tank is required to service the existing community of Newmarket based on peak flows that could be experienced in this system and will also aid in minimizing downstream capacity risks until the diversion to the 16th Avenue sewer is completed. In the medium time horizon, this tank will prolong the service capacity of the pumping station which will influence the timing for a required extension of the Leslie Street sewer north.

4.2.1.1 Current Project Status

This project is in the detailed design phase and the contract documents are being finalized. The project will be tendered once approvals from the MOE and the Lake Simcoe Region Conservation Authority have been secured.

4.2.1.2 Project Issues

The Region has applied for a Certificate of Approval from the MOE. Regional staff are in discussions with the MOE staff to ensure all information requirements are met. There is on-going construction of the Newmarket Operational Centre. The tendering of the Newmarket Equalization Tank will occur after the completion of the Operational Centre, scheduled for June 2005.

4.2.1.3 Significant Milestones

Key milestones associated with this project are as follows:

- Tender of Construction contract June 2005
- Initiate Construction August 2005
- Complete Construction August 2006

4.2.2 Aurora Equalization Tank

The Aurora Equalization tank is required to allow detention of wet weather flows at the existing Aurora Sewage Pumping Station site. Providing flow equalization at this location expands the service capacity of the pumping station by buffering wet weather derived peak flows to the pumping station. Similarly to the Newmarket situation, this tank will also provide additional capacity to Aurora and will aid in minimizing downstream capacity risks until the diversion to the 16th Avenue sewer is completed. In the medium time horizon, this tank will prolong the service capacity of the pumping station which will influence the timing for a required extension of the Leslie Street sewer north.

4.2.2.1 Current Project Status

The project is in the Class Environmental Assessment phase. The Schedule “B” Class Environmental Assessment Report will be filed in July 2005. Additional hydrogeological and geotechnical assessments were recently completed.

4.2.2.2 Project Issues

Once the Class EA Report is filed, the consultant team will proceed to the detailed design phase. Regulatory approvals related to this project will likely be limited to the Certificate of Approval from the MOE. Requirement for a Permit to Take Water is not anticipated as the design and construction approach will be based on minimizing and, if possible, eliminating any construction dewatering.

4.2.2.3 Significant Milestones

Key milestones for the project are as follows:

- Schedule “B” Class EA completion July 2005
- Tender of Construction contract March 2006
- Initiation of Construction April 2006
- Completion of Construction July 2007

4.2.3 16th Avenue Sewer Phase 2

Phase 2 of the 16th Avenue Trunk Sewer is needed to service development areas in Markham and to provide the phased completion of the system along 16th Avenue. The 16th Avenue Trunk will convey sewage from existing and future developments in the north areas of the Region from the Leslie Street Trunk sewer to the existing 9th Line Trunk Sewer. The benefiting areas include East Gwillimbury sewer, Newmarket, Aurora, Richmond Hill, King and Markham. Vaughan will indirectly benefit from the diversion of flows in the existing YDSS thereby allowing increased flows from Vaughan.

4.2.3.1 Current Project Status

The proactive mitigation program to address anticipated interference with private wells is complete. The infrastructure required to implement the environmental mitigation and management plan is in place. Tunnelling has been initiated in the two sections of the tunnel along 16th Avenue.

4.2.3.2 Project Issues

As the additional dewatering at the new locations is initiated, the project team must ensure compliance with the Permit to Take Water requirements. The team continues to look for ways to expedite the project. An amendment to the noise by-law exemption will enable the contractor to work an additional two hours daily.

4.2.3.3 Significant Milestones

Key milestones for this project are as follows:

- Completion of Construction August 2007

4.2.4 YDSS Interceptor Sewer

The Lower Leslie Trunk and the YDSS Interceptor are intended to work together to service new development in Richmond Hill, Aurora, Newmarket, East Gwillimbury and King to provide relief to the existing YDSS through critical sections in Richmond Hill south of 19th Avenue.

4.2.4.1 Current Project Status

The review of alternatives as stipulated in the Minister's conditions of October 2004 will be completed by the end of June 2005 and the report will be placed on public record at this time. The team will then focus on completing the detailed design and securing the necessary regulatory approvals including the Permit to Take Water and the Certificate of Approval from the MOE.

4.2.4.2 Project Issues

The construction will be divided into two contracts along 19th Avenue and Leslie Street respectively. Assuming Earth Pressure Balance Machine (EPBM) tunnelling along 19th Avenue, the team will focus on tendering this contract as soon as possible to expedite the procurement of the EPBM by the contractor as this is a key activity on the critical path. An application for a contingency PTTW will be submitted to the MOE.

4.2.4.3 Significant Milestones

Key milestones for this Project are as follows:

- Place Review of Alternatives on Public Record June 30, 2005
- Submit Application for Certificate of Approval August 1, 2005
- Tender "tunnelling" Contract along 19th Avenue August 15, 2005

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|---|--------------------|
| • Submit Application for Contingency PTTW | August 15, 2005 |
| • Award “tunnelling” Contract along 19 th Avenue | September 15, 2005 |
| • Secure Certificate of Approval | September 15, 2005 |
| • Secure Contingency PTTW | November 15, 2005 |
| • Tender “open-cut” Contract along Leslie Street | October 1, 2005 |
| • Award “open-cut” Contract along Leslie Street | November 15, 2005 |
| • Complete Construction of Sewer | April 2007 |

4.2.5 Southeast Collector

The Southeast Collector will parallel the existing YDSS trunk sewer through parts of Markham, Scarborough and Pickering. The need for this sewer is driven by new development in all municipalities serviced by the YDSS.

4.2.5.1 Current Project Status

The Individual Environment Assessment (IEA) for this project has been initiated. The team is currently seeking comments on the Draft Terms of Reference. Once the Terms of Reference are finalized, they will be submitted to the MOE for approval.

4.2.5.2 Project Issues

York and Durham Regions are co-proponents for the undertaking. In advance of the approval of the Terms of Reference, the two Regions have initiated data collection within the study area to inventory the natural environment and accumulate base line data. The project now includes the section from the boundary meter to Valley Farm Road.

4.2.5.3 Significant Milestones

Key milestones for the Individual EA are as follows:

- | | |
|---|--------------------|
| • Submission of the Terms of Reference to the MOE | June 28, 2005 |
| • MOE Approval of the Terms of Reference | September 30, 2005 |
| • Submission of the IEA to MOE | March 2007 |
| • MOE Approval of the IEA | August 2007 |
| • Construction Completed | December, 2010 |

4.2.6 Duffin Creek Water Pollution Control Plant

Expansion of Duffin Creek WPCP is required to provide additional capacity to serve growth in all municipalities serviced by the YDSS.

4.2.6.1 Current Project Status

The Class Environmental process is in Phase 3, which includes an evaluation of alternative design concepts and selection of a preferred solution. Implementation can begin once the Phase 4 activities of completion of the environmental study report and final public review have occurred. The project is a joint undertaking with the Regional Municipality of Durham. The two Regions have retained the Engineering consultant team

for all subsequent phases of the project. This will enable the two Regions to expedite the project and ensure an uninterrupted transition to the preliminary and detailed design phases.

4.2.6.2 Project Issues

The scope of the project has changed significantly since the last update to the Master Plan. This phase of the expansion will now increase the capacity of the plant to 630 ML/day as originally planned and will also include at least three new incineration units. Project design and construction activities will be phased into appropriate packages to facilitate creation of additional treatment capacity as early as possible.

4.2.6.3 Significant Milestones

Key milestones for the project are as follows:

- | | |
|-----------------------------|---------------|
| • EA complete | October 2005 |
| • Detailed design completed | June 2007 |
| • Construction completed | December 2010 |

4.2.7 Peel Wastewater Diversion

The Peel Diversion will service the Woodbridge area of Vaughan. This diversion will alleviate constraints downstream of the Humber pumping station in the existing YDSS and will benefit the remaining service areas of the YDSS through the diversion of flows that would otherwise flow east towards Markham.

4.2.7.1 Current Project Status

Construction of the forcemain is complete. The construction of a meter chamber and the odour control facility within Peel Region will be completed by September 2005.

4.2.7.2 Project Issues

Once these facilities are completed, the Wastewater diversion will be commissioned.

4.2.7.3 Significant Milestones

Key project milestones are as follows:

- | | |
|--|----------------|
| • Completion of the Odour Control Facility and Meter Chamber | September 2005 |
| • Commission system and initiate flow diversion | September 2005 |

4.2.8 Bathurst Langstaff Sewer

The Bathurst Langstaff sewer is required to provide additional capacity to Vaughan. These sewers are proceeding through a development charges credit agreement and release of additional capacity for these developments is contingent on the completion of these sewers.

4.2.8.1 Current Project Status

This is a design build project managed by the Region and financed by a group of developers. The project team has been developing the Request for Proposal for design/construction services and will be issuing the RFP to the pre-qualified proponents in June 2005.

4.2.8.2 Project Issues

Over the last several months the Region has been addressing the Minister's conditions applicable to this project specific to the Permit to Take Water required for this project. To minimize the potential for dewatering, the project team has selected alternate tunnelling methods employing the earth pressure balance machine. The project team will be applying for a contingency permit to take water that would be required if problems related to boulders are encountered during construction, and dewatering is required to remove the boulders.

4.2.8.3 Significant Milestones

Key project milestones are as follows:

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|--|---------------|
| • Issue RFP | June 2005 |
| • Apply for contingency Permit to Take Water | June 2005 |
| • Secure funding from developers | December 2005 |
| • Award Design Build contract | January 2006 |
| • Completion | August 2008 |

4.2.9 Pine Valley Pumping Station

4.2.9.1 Current Project Status

Detailed design of the Pumping Station and the forcemain is complete. The contract has been tendered and bids have been received for the construction of this project. As this project is subject to a pre-paid development charge agreement, the construction contract will be awarded after all necessary funds have been secured from the developer group.

4.2.9.2 Project Issues

The award of the project is subject to receipt of the funds from the developer group. A permit to take water (PTTW) has been secured for this project and is valid for the period starting in June 2005 and ending in December 2005.

4.2.9.3 Significant Milestones

- | | |
|-------------------------------|----------------|
| • Award Construction Contract | June 2005 |
| • Complete Construction | September 2006 |

4.2.10 Queensville/Holland Landing Servicing

The Queensville/Holland Landing servicing proposal, is a systematic extension of the existing YDSS system that will provide servicing to the communities of Sharon and Queensville and Holland Landing as well as divert flow from the existing Holland Landing Sewage Lagoons. This servicing is being considered through a partnership with a development group. It is proposed that the development group deliver all phases of the project on behalf of the Region.

4.2.10.1 Current Project Status

At its May 2005 meeting, Council adopted recommendations to proceed with the review of the Class Environmental Assessment (EA) for this project as a first step in implementing the Project Delivery Proposal submitted by the developer group. The Region and the developer group will be meeting the MOE to finalize the workplan to address the Minister's conditions with respect to the review of the Class EA.

4.2.10.2 Project Issues

As part of the servicing needs for these communities, and as required by the Ministry of Environment conditions for environmental review, the Region has requested that the Developer Group also review the long term servicing needs for these communities.

4.2.10.3 Significant Milestones

Project milestones will be defined once the workplan to review the Class EA has been finalized. Based on current expectations, the developer group anticipates completion of the project in 2007.

4.3 Priority Water Projects

The priority water projects are defined in the Long Term Water Master Plan Update as projects that have been identified as being required within the five year horizon to meet future demand requirements. The priority projects are listed below and are also presented in *Attachment 2 – Priority Water Projects Map*:

- Peel Water Supply.
- Aurora Newmarket Feedermain (watermain, pumping station and reservoir).
- Bathurst Watermain (Aurora/ Newmarket west connection).
- Bathurst Watermain (Newmarket- Clearmeadow to Woodsprings).
- Queensville Elevated Tank.
- King City Water Supply.
- Oak Ridges Elevated Tank.
- Whitchurch/ Stouffville Water Supply.
- Toronto East Water Supply.

4.3.1 Peel Water Supply

The Peel Water Supply project will provide additional water supply to the York Water System from Peel in accordance with the 2002 York-Peel Water Supply Agreement. This will help the Region meet the long term demands from growth in areas serviced by the York Water System.

4.3.1.1 Current Project Status

Construction of the York Peel Feedermain, the Airport Reservoir and Pump Station and the North East Brampton Feedermain is complete. Testing and commissioning of these components is underway and expected to be completed in June 2005.

4.3.1.2 Project Issues

Pressure testing, disinfection and commissioning of the York Peel Feedermain is underway. If the testing of the pipe and commissioning of the system proceeds without problems the system will be operational by July 2005.

4.3.1.3 Significant Milestones

Key milestones for this project are as follows:

- Completion of Pressure Testing June 17, 2005
- Completion of Pipe Disinfection June 20, 2005

4.3.2 Aurora/ Newmarket Feedermain

The Aurora Newmarket Feedermain Project consists of the Maple PD8 Pumping Station, interconnecting watermain and a reservoir located at Bathurst Street and Bloomington Road. This project will provide additional water supply to the Towns of Newmarket and Aurora to supplement the well supply from the Yonge Street Aquifer. Completion of this project will assist in meeting the long term demands due to growth in Newmarket, Aurora and East Gwillimbury.

4.3.2.1 Current Project Status

One of the watermain contracts and the pump station contract has been tendered. The remaining two contracts will be tendered in June 2005.

4.3.2.2 Project Issues

The project is a year behind schedule, for the reasons listed below:

- Delays related to the acquisition of property for the in-ground reservoir located in the vicinity of Bathurst Street and Bloomington Road.
- Increase of scope to the Maple Pump Station project located at Keele and Teston Road to include significant additional upgrades to the existing pump station.
- Delays attributable to the consultant in completing the detailed design and securing the necessary regulatory approvals.

4.3.2.3 Significant Milestones

Key project milestones are as follows:

- Complete property acquisition for the inground reservoir July 2005
- Tender Pumping Station Construction Contract June 2005
- Complete Construction of all works October 2006

4.3.3 Bathurst Watermain (Aurora/Newmarket West Connection)

This watermain on Bathurst Street from Orchard Heights Reservoir to the West Newmarket Reservoir will provide additional water supply and system security to both Aurora and Newmarket West Pressure Districts.

4.3.3.1 Current Project Status

The Class EA has been completed and has been filed for the 30 day review period in early June.

4.3.3.2 Project Issues

This watermain is to be constructed at the same time as the construction of a separate road project and the schedule for these projects are to be coordinated.

4.3.3.3 Significant Milestones

- Class EA approval July 2005
- Detailed design Dec 2005
- Tender (contingent on road contract) November 2006
- Completion November 2007

4.3.4 Bathurst Watermain (Newmarket Clearmeadow to Woodsprings)

The Bathurst Street watermain in Newmarket's West Pressure District will provide additional water supply to Newmarket's northwest quadrant to meet the growth needs for this area.

4.3.4.1 Current Project Status

Class EA has been completed and has been filed with the Ministry of Environment on May 31, 2005 for the 30 day public review period.

4.3.4.2 Project Issues

Road reconstruction for this section of Bathurst was recently advanced. To avoid unnecessary construction disruption in this section, the water project has been postponed from 2006 to 2007 to allow for coordinated construction activity.

4.3.4.3 Significant Milestones

- Class EA July 2005
- Detailed design Completed December 2005

- Tender and Contract Award January 2007
- Project completion December 2007

4.3.5 Queensville Elevated Tank

Construction of a 6.6 ML elevated tank in Queensville will provide equalization, emergency and fire storage to the community.

4.3.5.1 Current Project Status

The timing for this project will be dictated by the initiation of new development in Queensville above any currently available water capacity, which in turn will be subject to the timing of the work for the review of the Class EA for the YDSS Extension to Holland Landing/Queensville as required by the MOE. The current target completion date for this project is 2007.

4.3.6 King City Water Supply

The King City Water Supply Project consists of a 2.74 ML elevated tank and additional water supply from new wells.

4.3.6.1 Current Project Status

The Class EA for augmenting the water supply and storage capacity to King City is currently underway and is expected to be complete in February 2006. It is expected that the first new groundwater well will be in place by the end of 2007 and the second well in place by end of 2010.

4.3.6.2 Project Issues

Locating new well sites has taken longer time than expected. Several sites have been explored since the start of the groundwater exploration program. To date, only one site has been identified as viable for development into a municipal well, based on preliminary results from a test well.

4.3.6.3 Significant Milestones

Key milestones for this Project are as follows:

Commencement of Class EA	June 2004
Completion of Class EA	February 2006
Tender and Contract Award	August 2006
Completion of Construction	October 2007

4.3.7 Oak Ridges Elevated Tank and Watermain

The 7.55 ML Oak Ridges Elevated Tank will provide equalization, emergency and fire storage to the Pressure District 9 area in Richmond Hill.

4.3.7.1 Current Project Status

A Request for Proposal has been issued for the procurement of the engineering services required for this project.

4.3.7.2 Project Issues

The Class Environmental Assessment will be initiated following the selection of the engineering consultant for this project.

4.3.7.3 Significant Milestones

Key milestones for this Project are as follows:

- | | |
|---|----------------|
| • Council Award of the engineering services | September 2005 |
| • Completion of Class EA | July 2006 |
| • Tender and Contract Award | January 2007 |
| • Completion of Construction | April 2008 |

4.3.8 Stouffville Water Supply

Additional water supply is required for the Community of Stouffville to service new development areas. Supply is available either from new municipal wells or by a connection to the York Water System. The Class EA currently underway will identify the preferred solution for water supply in Stouffville.

4.3.8.1 Current Project Status

Parallel with the Class EA, a groundwater exploration program to identify new groundwater sites is currently being carried out. To date, a potential site has been identified at Cairo Court that may provide the required capacity; further works will be required to confirm the above. Subject to favourable results from further testing on the Cairo Court site, the Class EA is expected to be complete in late fall of this year.

4.3.8.2 Project Issues

Design and construction of the proposed water supply works is expected to commence immediately following the completion of the Class EA.

4.3.8.3 Significant Milestones

Key milestones for this project are as follows:

- | | |
|---------------------------------|-----------|
| • Completion of Class EA | Fall 2005 |
| • Completion of Detailed Design | Fall 2006 |
| • Completion of Construction | Fall 2007 |

4.3.9 Toronto East Water Supply

The Toronto East Water Supply Project is required to bring additional water to the Markham Pressure District 6 area from Toronto to meet the long term demands from growth in areas serviced by the York Water System.

4.3.9.1 Current Project Status

The City of Toronto has received proposal for the Class Environmental Assessment for this project and Consultant selection is ongoing.

4.3.9.2 Project Issues

A review of the servicing scheme for the Toronto East Supply identified an additional option that will be included in the Class EA. The City of Toronto has requested revised pricing from the Proponents to include this activity within the current terms of reference for the project.

4.3.9.3 Significant Milestones

- | | |
|--|---------------|
| • Class Environmental Assessment Completed | July 2006 |
| • Detailed Design Completed | December 2007 |
| • Tender and Contract Award | March 2008 |
| • Project completion | December 2011 |

5. FINANCIAL IMPLICATIONS

The wastewater priority projects summarized in this report have experienced some significant cost increases primarily attributed to increased environmental concerns. In a letter received from the Minister of Environment on October 1, 2004, additional conditions were imposed on almost all the Regional wastewater priority projects related to the YDSS. These conditions focused on additional environmental reviews and consideration of cumulative effects on groundwater impacts during construction. These requirements have resulted in increased costs related to additional study requirements, increased environmental mitigation requirements and modified construction methods. These cost increases are currently being assessed through a proposed amendment to the Development Charge (DC) By-law which will be considered at the June 23, 2005 Council meeting.

6. LOCAL MUNICIPAL IMPACT

The priority projects reviewed in this report are critical in providing timely servicing capacity to the municipalities serviced by the York Durham Sewage System and the York Water System.

Release of additional capacity, as outlined in the Allocation Protocol Report, is contingent on all of these projects being completed as planned. These projects will be continually monitored to ensure that the risk of delay is minimized and that capacity will be available as planned. Staff will continue to work closely with the local municipalities

affected by this infrastructure program to ensure that impacts to the development industry are minimized to the extent possible considering the constraints created by these priority projects.

7. CONCLUSION

The priority projects identified in this report are necessary to ensuring that water and wastewater capacity for new development is made available as needed. These projects are also included in the Capacity Allocation Protocol report and define key triggers for release of additional system capacity to the municipalities.

Completion of these projects is critical for the release of new capacity, and this report in conjunction with the Capacity Allocation Protocol report provide Council with a status of these priority projects and their relationship to increases in servicing capacity to the municipalities.

The Senior Management Group has reviewed this report.

(The attachments referred to in this clause are included with this report.)