

# Water and Wastewater Master Plans

Report to  
Priorities Committee



January 18, 2006

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## Agenda

1. Overview
2. Direction of Council
3. Background
4. Recommendation
  - Phase One
  - Phase Two

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## OVERVIEW

Sudbury costs second highest of 10 municipalities surveyed.

Costs due to:

1. geography/topography
2. population clusters
3. full cost recovery

Future water and wastewater costs will increase due to:

- inflation
- regulatory costs
- phase in of SCAMP until 2012

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DIRECTION OF COUNCIL IN JANUARY 2005

Staff to develop Master Plans to effectively and efficiently manage our water and wastewater systems.

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The plans and process must be:

- clear and transparent to the public.
- minimize future increases for water and wastewater services.
- optimize technology.
- incorporate best practices.
- increase conservation initiatives.
- increase education and communication.
- investigate “water loss” reduction programs
- investigate “water infiltration” reduction programs
- investigate uniform metering, blow off systems

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## **UNBILLED POTABLE WATER REPORT PRESENTED TO COUNCIL ON MARCH 10, 2005**

- Three free-flowing stand pipes eliminated.
- Annual savings of \$43,500 in lost water.

**INCREASED COMMUNICATION WITH THE  
PUBLIC WAS STARTED IN JUNE 2005.**

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## BACKGROUND

- Cost of compliance with provincial regulations and legislation is increasing and will continue to increase.
- Projected to ultimately be 50 percent of costs to process, distribute, collect, and treat (currently 12 percent).
- Water Strategy Expert Panel Report. “Water Tight” will/may have significant impact on how we provide water services to our City, and possibly others, depending on final recommendations.

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## BACKGROUND (continued)

- Future staff report and update on “Water Tight” report scheduled for January 25, 2006 and legislation changes may significantly change the water business as we know it.
- Water/wastewater Infrastructure gap currently estimated at \$121 million.
- The “SCAMP” program initiated by Council in 2001 will increase capital funding in WWWW infrastructure projects to 1% of the asset value by 2012. After that time increases should be due to inflation and any increased regulations.

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- The Official Plan will identify areas of projected growth.
- These Master Plans will complement and set direction to meet the goals and objectives of the Official Plan.

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## RECOMMENDATION

To provide Council with timely information it is recommended that the development of the master plans be broken down into two phases.

### PHASE ONE - “Visionary” Document

Strategic assessment of the infrastructure

- identify key issues, drivers, and challenges
- will set framework
- identify strategic priorities and areas for study.

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## PHASE TWO – Development of the Water and Wastewater Master Plan

Three part program:

1. Infrastructure audit
2. Short term strategies
3. Long term strategies

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## SUMMARY:

- Our water and wastewater infrastructure systems have a value estimated to be in excess of \$1.8 billion.
- The services are essential for public health, growth, and economic development of our community.
- They must be managed efficiently and effectively with public transparency and fully knowledgeable of existing and future needs of this community.

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- A sustainable asset management plan based on a master plan is essential to ensure essential services are provided in a timely cost efficient manner.
- It is essential that we spend the right amount of money, on the right assets, at the right time on the right system.

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## RECOMMENDATION

THAT as Dennis Consultants Limited, a Division of R.V. Anderson Associates, have been integral in the preparation of the majority of reports and studies in these systems including the Infrastructure Study as part of the new Official Plan, it is recommended that they be sole-sourced to carry out Phase One of the Water and Wastewater Master Plan.

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## FUNDING

Sufficient funding has been included in the 2006 Capital Water/Wastewater budgets for Phase One of developing the master plans.

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Thank You

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