

Vision: *The City of Greater Sudbury is a growing, world-class community bringing talent, technology and a great northern lifestyle together.*

Vision: *La Ville du Grand Sudbury est une communauté croissante de calibre international qui rassemble les talents, les technologies et le style de vie exceptionnel du Nord.*

Agenda

Ordre du jour

Councillor / Conseiller
Jacques Barbeau
Chair / Président(e)



For the **Priorities Committee** meeting to be held
Pour la réunion du **Comité des priorités** qui aura lieu

Wednesday, May 21st, 2008 mercredi 21^e mai 2008

at 6:00 pm à 18h 00

Centennial Community Centre/Arena, 4333
Centennial Road, Hanmer

Centre communautaire / aréna Centennial, 4333,
chemin Centennial, Hanmer



Agenda

For the 29th Priorities Committee Meeting to be held on
Wednesday, May 21, 2008
Centennial Community Centre/Arena, 4333 Centennial
Road, Hanmer

6:00 pm

Vision: *The City of Greater Sudbury is a growing, world-class community bringing talent, technology and a great northern lifestyle together.*

(29th)

PRIORITIES COMMITTEE AGENDA

For the 29th Priorities Committee Meeting
to be held on **Wednesday, May 21, 2008**
Centennial Community Centre/Arena, 4333 Centennial Road, Hanmer at **6:00 pm**

COUNCILLOR JACQUES BARBEAU, CHAIR

(PLEASE ENSURE CELL PHONES AND PAGERS ARE TURNED OFF)

The Centennial Community Centre/Arena is wheelchair accessible. Copies of Agendas can be viewed on the City web site at www.greatersudbury.ca.

COMMUNITY TOUR

1. St. Germain Farm Museum, 679 Dominion Drive, Hanmer - 4:15 P.M. TO 5:15 P.M.

DECLARATIONS OF PECUNIARY INTEREST

OPENING REMARKS - COUNCILLOR ANDRÉ RIVEST, WARD 6

CIVIC AWARD PRESENTATION

- Mayor John Rodriguez
- Councillor Ron Dupuis, Chair, Civic Awards for Volunteerism Selection Committee

CITIZEN DELEGATIONS

2. Valley East Community Action Network (VECAN) Update
(ELECTRONIC PRESENTATION) (FOR INFORMATION ONLY)
 - Marc Tassé, Chair, VECAN

3. Seniors Issues and Need for Affordable Housing for Seniors in Ward 6 **9 - 12**
(FOR INFORMATION ONLY)
- Claudette Lahti-Ouwens, Chair, VECAN Seniors Committee
 - Eva Mazerolle, Club âge d'or de la Vallée
4. Report dated May 2, 2008 from the General Manager of Community Development regarding Update - City of Lakes Family Health Team. **13 - 16**
(RECOMMENDATION PREPARED) (VERBAL PRESENTATION)
- Dr. Chris McKibbin, Chair, City of Lakes Steering Committee
- (The City of Lakes Family Health Team will update the Priorities Committee on their progress.)

COUNCILLOR BRIEFING SESSIONS

5. Howard Armstrong Recreation Centre Update
(ELECTRONIC PRESENTATION) (FOR INFORMATION ONLY)
- Cindy Dent, Manager of Recreation
 - Dan Yachuk, Recreation Co-ordinator
6. Capital and Major Maintenance Projects, Ward 6
(ELECTRONIC PRESENTATION) (FOR INFORMATION ONLY)
- Nick Benkovich, Director of Water/Wastewater Services
 - Robert Falcioni, Director of Roads & Transportation

POLICY DISCUSSION PAPERS - PRELIMINARY DISCUSSION

7. Report dated April 22, 2008 from the General Manager of Infrastructure Services regarding Sewer Use By-Law - Proposal to Update. **17 - 20**
(ELECTRONIC PRESENTATION) (RECOMMENDATION PREPARED)
- Nick Benkovich, Director of Water/Wastewater Services
- (The City's existing Sewer Use By-Law was developed in 1973 and staff are recommending that as such it is in need of substantial update in order to more effectively regulate discharges to our wastewater collection systems and facilitate compliance with regulatory requirements.)

POLICY DISCUSSION PAPERS - DECISION REQUESTED

CORRESPONDENCE FOR INFORMATION ONLY

MANAGERS' REPORTS

ADDENDUM

CITIZEN PETITIONS

MOTIONS

COMMUNITY INPUT

CLOSING REMARKS - COUNCILLOR ANDRE RIVEST, WARD 6

ADJOURNMENT (8:30 P.M.) (RECOMMENDATION PREPARED)

{TWO-THIRDS MAJORITY REQUIRED TO PROCEED PAST 8:30 P.M.}

Councillor Gasparini
Chair

Franca Bortolussi
Council Secretary

Pour la 29^e réunion du Comité des priorités
qui aura lieu le **21 mai 2008**
Centre communautaire / aréna Centennial, 4333, chemin Centennial, Hanmer, à 18h 00

CONSEILLER JACQUES BARBEAU, PRÉSIDENT(E)

(VEUILLEZ ÉTEINDRE LES TÉLÉPHONES CELLULAIRES ET LES TÉLÉAVERTISSEURS)

Le Centre communautaire / aréna Centennial est accessible en fauteuil roulant. Vous pouvez consulter l'ordre du jour au site Web de la Ville à l'adresse www.grandsudbury.ca.

VISITE DE LA COMMUNAUTÉ

1. Musée de la ferme St. Germain, 679, promenade Dominion, Hanmer - de 16 h 15 à 17 h 15

DÉCLARATIONS D'INTÉRÊT PÉCUNIARY INTEREST**ALLOCUTION D'OUVERTURE - LE CONSEILLER ANDRÉ RIVEST,
QUARTIER 9****PRÉSENTATION DE PRIX CIVIQUES**

- Le maire John Rodriguez
- Le conseiller Ron Dupuis, président du Comité de sélection des Prix civiques pour le bénévolat

DÉLÉGATIONS DE CITOYENS

2. Compte rendu sur le Réseau d'action communautaire Valley East (VECAN)
(PRÉSENTATION ÉLECTRONIQUE) (A TITRE D'INFORMATION)
 - Marc Tassé, président du VECAN
3. Questions relatives aux aînés et besoin de logement abordable pour les aînés - quartier 6
(A TITRE D'INFORMATION)
 - Claudette Lahti-Ouwens, présidente du Comité des aînés du VECAN
 - Eva Mazerolle, Club âge d'or de la Vallée
4. Rapport de la directrice générale des Services de développement communautaire, daté du 02 mai 2008 portant sur Compte rendu - Équipe Santé familiale de la Ville des lacs.
(RECOMMANDATION PRÉPARÉE) (PRÉSENTATION ORAL)
 - Le Dr Chris McKibbin, président du Comité directeur de la Ville des lacs

(L'Équipe Santé familiale de la Ville des lacs donnera un compte rendu au Comité des priorités sur les progrès qu'il a accomplis.)

SÉANCES D'INFORMATION DES CONSEILLERS

5. Compte rendu sur le centre récréatif Howard Armstrong
(PRÉSENTATION ÉLECTRONIQUE) (A TITRE D'INFORMATION)
 - Cindy Dent, gestionnaire des loisirs
 - Dan Yachuk, coordonnateur des loisirs
6. Projets d'immobilisations et d'entretien majeur, quartier 6
(PRÉSENTATION ÉLECTRONIQUE) (A TITRE D'INFORMATION)
 - Nick Benkovich, directeur des Services des eaux et des eaux usées
 - Robert Falcioni, directeur des Routes et des Transports

DOCUMENTS DE TRAVAIL SUR LES POLITIQUES – DISCUSSION PRÉLIMINAIRE

7. Rapport du directeur général des Services d'infrastructure, daté du 22 avril 2008 portant sur Règlement sur les égouts - proposition de mise à jour.
(PRÉSENTATION ÉLECTRONIQUE) (RECOMMANDATION PRÉPARÉE)
 - Nick Benkovich, directeur des Services des eaux et des eaux usées

(Le règlement sur les égouts actuel de la Ville a été élaboré en 1973 et le personnel recommande sa mise à jour en profondeur afin de régir plus efficacement les décharges dans nos systèmes de collecte des eaux usées et faciliter la conformité avec les exigences réglementaires.)

DOCUMENTS DE TRAVAIL SUR LES POLITIQUES – DEMANDE DE DÉCISION

CORRESPONDANCE À TITRE DE RENSEIGNEMENTS SEULEMENT

RAPPORTS DES GESTIONNAIRES

ADDENDA

PÉTITIONS DE CITOYENS

MOTIONS

COMMENTAIRES DE LA COMMUNAUTÉ

ALLOCUTION DE FERMETURE DE LA CONSEILLER ANDRÉ RIVEST, QUARTIER 4

LEVÉE DE LA SÉANCE À 20 H 30 (RECOMMANDATION PRÉPARÉE)

(UNE MAJORITÉ DES DEUX TIERS EST REQUISE POUR POURSUIVRE LA RÉUNION APRÈS 20h 30.)

La Conseillère Gasparini,
Présidente

Franca Bortolussi,
Secrétaire du conseil



Request for Recommendation

**Seniors Issues and Need for Affordable Housing
for Seniors in Ward 6**

Presented To:	Priorities Committee
Presented:	Wednesday, May 21, 2008
Report Date	Friday, May 09, 2008
Type:	Citizen Delegations

Recommendations

For Information Only

Signed By

No signatures or approvals were recorded for this report.

Valley East Priority Report

THE TIME FOR ACTION IS NOW-DIVIDED WE FAIL OUR SENIORS

Affordable Housing for Seniors

VECAN Senior Committee has now taken on a new challenge: demanding solutions from our civic leaders. We are providing the voice for the many Valley East Seniors who believe that the most pressing domestic issues facing them, today, is Health Care and Housing. We strongly believe that affordable, quality health care and housing are fundamental rights for all Valley East seniors. The system must be improved by making these two major issues both affordable and accessible. We need to stop laying blame, to welcome possible solutions to the problem, and to move forward on recommendations that have been presented by various stakeholders over the last few years.

While we procrastinate, costs for senior care are climbing through the roof. Even more so today, seniors are being faced with an economic environment that makes it impossible to meet even the very basic needs, such as affordable housing.

This year, the City of Greater Sudbury is celebrating its 125th anniversary, 4 years after Valley East celebrated its centennial. It is time for our City leaders to address the needs of all of the citizens who created this great city. Concerned residents are saying that enough is enough: the Canadian dream should not be limited merely to the healthy and the wealthy. Every senior deserves quality of life. Unfortunately, many of the elderly waste precious energy being concerned about their lives today, and facing tomorrow's future with apprehension.

It is time, now, for our leaders to stand up and address those problems. Now is the time for ACTION.

Key Points of Discussion

- Recommendations by the City of Greater Sudbury Action Planning for Sudbury's Golden Opportunity.. Findings and Recommendations; for the Mayor and Council Committee on Seniors Issues, ----April 2004
- The Mayor and Council Advisory Panel on Seniors Issues: Challenges of Aging and Building Linkage, May 1st 2008
- Senior Survey in Valley East conducted by VECAN
-Summary report and recommendations
- Provincial recommendations, the French component by Eva Mazerolle
- The types of housing for affordable housing that is working in other provinces, especially Alberta and British Columbia

Valley East Seniors, with the support of Healthy Aging Partnerships, senior groups, available governmental capital grants, and the municipality could be living in affordable housing right here in the Valley. We know that most of them do not want to leave this community they call "home". We look forward to this happening in the not too distant future, because time is crucial to the aging population in the Valley. The field on Elmview, next to the Library, would be ideal for an Assisted Living Residence.

Senior Issues

Since last September Valley East Community Action Network –VECAN- has become actively involved with the Older Adult community which presently faces many challenges and barriers associated with aging.

VECAN Senior Committee has become a stronger advocate for ensuring that the future needs of our aging population will be met. Members have become more aware of the growing concerns facing our seniors by:

- attending a variety of Senior Fairs, such as Empowering Seniors of Northern Ontario, ESNO Conference, in October 2007; Building Linkages: The Mayors and Council's Advisory Panel on Seniors Issues May 2008;
- participating in a variety of focus group meetings such as: The greater Sudbury Seniors' Community Network, and the Seniors Community Association SCA;
- being members of CARP.

A VECAN survey of about 300 seniors in the Valley expressed the need for an English Older Adult Centre. VECAN Senior Committee has taken the initiative to determine the feasibility of starting such a group in the Valley and of researching avenues available to the group, such as start-up financial support from the municipality and other resources. Finding the right location is crucial. Parkside Older Adult Centre is willing to become our best mentor; we now need commitment from the municipality for financial assistance.

VECAN Senior Committee members are also promoting the accessibility of French Language Services for French seniors in the area. Some members are closely associated with Club D'Age d'Or and FAFO, La Fédération des aînés et des retraites francophones de l'Ontario, and attended their annual assembly in Noelville last October.

Some members are becoming quite familiar with the services provided by North East Community Care Access (CCAC) and Centre D'accès aux soins communautaires. It is vital that these groups be given all the support needed to enable seniors to remain in their homes as long as possible. Seniors need to know that, if they qualify, this service is at no charge to them.

VECAN Senior Committee is in the process of organizing a Senior Fair on Saturday, September 6th, during Valley East Days. By promoting what the Valley presently has to offer, we hope to encourage seniors' interest in the areas of health, social activities, the arts, fitness and wellness.

VECAN Senior Committee supports the recommendations from the Friendly To Seniors Report on Challenges of Aging. For Valley seniors, our priority recommendations from the above report would be:

- The development of more reasonably priced, independent living, senior types of housing because we have a large population of seniors in the Valley;
- The development of Senior Supportive Housing in the Valley, such as Lively's MeadowBrook, with the help of similar grants from Long Term Care Grants, as obtained for the new complex being built in Chelmsford. We would welcome more information in this regard;
- Monetary incentives and better home care to allow seniors to remain as independent as possible;
- The creation of an English Older Adult Centre to advocate for the needs of seniors in the area. "Seniors Are Someone Special Year-Round"

- Monetary Support from the municipality to hold a monthly Senior Health Fair in the shopping mall;
- Present opportunities for active living: provide safer walking areas, clear snow, salt sidewalks;
- Free bus service for seniors from 10 a.m. to 3 p.m., with a special shuttle bus service from outlying areas to senior events;
- The creation of an Activity Resource Bank for all seniors, similar to the Volunteer Bank Service, matching the activity with the need of individual seniors. If established as a website, monetary support would be required for initial start-up.

Claudette Lahti-Ouwens
Chair, Vecan Senior Committee

Request for Recommendation

Update - City of Lakes Family Health Team

Presented To:	Priorities Committee
Presented:	Wednesday, May 21, 2008
Report Date	Friday, May 02, 2008
Type:	Citizen Delegations

Recommendations

Whereas the City of Lakes Family Health Team is part of a continuum of primary care reform; and

Whereas there are four proposed sites for the City of Lakes Family Health Team and they include, Pioneer Manor, Valley East, Walden and Rayside Balfour; and

Whereas the renovations to Pioneer Manor and Valley East sites are near completion; and

Whereas the City of Lakes Family Health Team returned to Priorities looking for financial support to proceed with the development of the Walden site; and

Whereas there is interest to advance the development due to physician interest; and

Whereas the City of Lakes Family Health Team will advise Council with estimates on capital and service levels for the Walden Family Health Team; and

Whereas there are retention efforts through a purchase of service agreement for the two current...

Signed By

Report Prepared By

Kim Rossi
Co-ordinator of Health Initiatives
Digitally Signed May 16, 08

Recommended by the Department

Catherine Matheson
General Manager of Community Development
Digitally Signed May 16, 08

Recommended by the C.A.O.

Mark Mieto
Chief Administrative Officer
Digitally Signed May 16, 08

[recommendation continued...](#)

Finance Implications

If approved this will be funded from monies set aside in reserve from previous years.

(Recommendations continued from cover)

...family medicine practitioners in Walden which expires June 30, 2008,

THEREFORE BE IT RESOLVED that the purchase of service agreements with Doctors Bayly and Koop be extended for an additional 6 month period from July 1, 2008 to December 31, 2008 in the value of \$5,000 each; and

That the necessary by-law be passed.

Background

Over the years the City of Greater Sudbury has been committed to assisting in the provisions of a primary health care system accessible to all. As in many communities the task has proven to be very difficult due in part to a decline in the number of family medicine practitioners. This report will outline the efforts that have taken place since 2002 to not only recruit family medicine practitioners but the measures taken to retain the services of existing physicians in some outlying areas.

City of Lakes Family Health Team

In 2005 the Ministry of Health and long Term Care announced funding to establish 150 Family Health Teams throughout the province of Ontario. The City of Lakes Family Health Team is an interdisciplinary team of health care professionals working collaboratively to provide comprehensive primary health care services to the residents of Greater Sudbury. Community sponsors include the City of Greater Sudbury, Sudbury Regional Hospital and the Northern Ontario School of Medicine. There are four proposed sites: Pioneer Manor and the former town halls in Walden, Rayside Balfour and Valley East.

Under the leadership of Dr. Chris McKibbin and Dr. Tom Crichton, the City of Lakes Family Health Team to date includes Drs' Crichton, Bourdon, Mitchell, Gibb, Goodale, Symington, Caesar and Topps. There are also a number of nurse practitioners that have been hired and currently work out of the Valley East site and the temporary location on Bancroft Dr. pending completion of the capital project.

Renovations are currently underway at the Pioneer Manor site and the Valley East location. There is close to 8,000 sq. ft. of space at Pioneer Manor and approx. 6,800 sq.ft. at the Valley East site. Occupancy date is expected for June 1, 2008. The renovations at both sites are cost shared (50-50) between the Ministry of Health and Long Term Care and the City of Greater Sudbury. The total cost of the Pioneer Manor redevelopment is close to 1.3 million and the Valley East site is approximately \$270,000. The City of Greater Sudbury capital contribution for the two projects is approx. \$785,000. During the 2008 budget deliberations the City of Lakes Family Health Team requested further funding for the development of the Walden and Rayside sites. Approved was \$25,000 for project development to assist with interim capital planning. The City of Lakes Family Health Team are currently in discussions with physicians interested in the Walden site. Therefore the family health team will proceed with preparing an estimate to outline the space requirements and capital cost to renovate the former Walden town hall.

Turnkey Developments

Prior to amalgamation many of the outlying areas had difficulty recruiting family medicine practitioners and were designated by the Ministry of Health and Long-Term Care as “underserved” communities, meaning that there were not enough family medicine practitioners to compliment the general population of that area. A review of different recruitment strategies found that providing turnkey opportunities to family medicine practitioners was a desirable option. In 2002 City Council approved a resolution that would dedicate \$550,000 to turnkey developments.

The turnkey projects were as follows:

Valley East - the use of the former Valley East municipal building and a commitment of \$175,000 in capital.

Rayside Balfour - \$175,000 be set aside for a turnkey facility in the former Town of Rayside Balfour

Nickel Centre: \$200,000 for turnkey to accommodate two family medicine practitioners in Coniston.

Turnkey project development to date

Valley East - Turnkey development was not successful therefore the city looked towards other initiatives. The opportunity to partner with the City of Lakes Family Health Team permitted the use of the remaining funds for infrastructure to become part of this initiative. The estimated cost for renovation for this project is \$268,969 that includes construction cost plus architect fees. The cost of this will be shared (50-50) between the City of Greater Sudbury and the Ministry of Health and Long Term Care. Renovations to this site are currently underway and are expected to be completed by June 2008.

Rayside Balfour - In July of 2002 an RFP was issued seeking expressions of interest to develop turnkey physicians' office space, along with a commitment from a new physician(s). Unfortunately none of the expressions of interest secured a physician. In September 2003 a group of existing family medicine practitioners approached the City of Greater Sudbury concerned with measures that were in place to not only recruit physicians but to retain them as well. A resolution was then passed by Council that directed staff to use the allocated funds towards purchase of service agreements to retain 6 physicians in Rayside Balfour. In 2004 the physicians' were also successful at recruiting another family medicine practitioner whereby funding was used to assist with operational costs associated with the new physician for a two year term. The turnkey funds for this initiative have been exhausted with physician recruitment and retention.

Nickel Centre - The space being used by the sole family medicine practitioner in Coniston was renovated to accommodate two family medicine practitioners. The funding allocated to this initiative has been directed towards to cost of paying rent to the Centre Communautaire Résidentiel de Coniston. The lease agreement became effective October 1, 2004 and expires September 2009. Turnkey funding has been used to subsidize the monthly rent is in the amount of \$3,210.00 per month. The family medicine practitioner recently retired from this location and ongoing efforts are in place to recruit either physicians or nurse practitioners.

Walden retention initiative

In 2004 during the budget process \$150,000 was allocated for leasehold improvements and overhead associated with the Lively Medical Clinic as a means of retaining three family medicine practitioners. A recent request has come forward from the family medicine practitioners for an extension to their current agreement. An extension to the current purchase of service agreement will ensure that the community of Walden maintains its current status. A six month extension would provide funding in the amount of \$5,000. each to Dr. Koop and Dr. Bayly. Funds available: \$45,000 for future consideration.

Capreol Medical Clinic

Dr. Bahmann has provided primary health care to the community of Capreol for over 30 years and the building that housed his clinic was sold. To retain the services of this physician the city along with the community of Capreol worked together and have renovated 800 sq.ft of unused space located in the Citizen Service Centre that Dr. Bahmann relocated to it March 1, 2008. Total cost: \$38,000 covered by the Community Development department.



Request for Recommendation

Sewer Use By-Law - Proposal to Update

Presented To:	Priorities Committee
Presented:	Wednesday, May 21, 2008
Report Date	Tuesday, Apr 22, 2008
Type:	Policy Discussion Papers - Preliminary Discussion

Recommendations

Whereas the City’s existing Sewer Use Bylaw was developed in 1973 and is need of updating.

Therefore be it resolved that staff be authorized to proceed with a substantial rewrite of the Sewer Use Bylaw crafted to facilitate with regulatory requirements and current industry standards and achieve the following specific goals: •Protect municipal staff and infrastructure; •Enable optimum wastewater system efficiency and use; •Prevent stormwater and other ‘clear’ water from entering the system; •Protect wastewater sludge quality; •Protect public and private property; and, •Protect the natural environment.

All in accordance with the report from the General Manager of Infrastructure Services dated April 22, 2008.

Signed By

Report Prepared By
Nick Benkovich
Director of Water/Wastewater Services
Digitally Signed May 16, 08

Division Review
Nick Benkovich
Director of Water/Wastewater Services
Digitally Signed May 16, 08

Recommended by the Department
Greg Clausen, P.Eng
General Manager of Infrastructure Services
Digitally Signed May 16, 08

Recommended by the C.A.O.
Mark Mieto
Chief Administrative Officer
Digitally Signed May 16, 08

Budget Implications

No budget implications at this time. Any future budget implications will be identified.

Policy Implications

Although no direct budget costs are allocated to this recommendation, the updated Bylaw may spawn work programs that are not presently fully budgeted. Should Council authorize the development of additional work programs budget impacts would follow accordingly. At this time however, no specific details of the potential programs and the potential financial impacts are available.

Background

In today's wastewater service reality, with consideration to the increasing environmental awareness and expectations of the community, along with ever tightening regulatory requirements, it is important that our Bylaw and work programs evolve in order to keep pace and deliver on these expectations.

The City's existing Sewer Use Bylaw was developed in 1973 and staff are recommending that as such it is in need of an update in order to more effectively regulate discharges to our wastewater collection systems and facilitate compliance with regulatory requirements and consistency with current industry standards such as outlined in the model Bylaw recommended by the Canadian Council of Minister's of the Environment (CCME).

The basic purpose of the current Sewer Use Bylaw is to regulate discharges to the City's wastewater collection systems, as well as the use of public and private drains that are permitted to be discharged into the City of Greater Sudbury's sanitary sewer system. It defines standards for a number of related activities such as connection approvals, and the discharge of waters and wastes into the City's sewage systems. An updated Bylaw would also target the following goals and objectives:

- Protect municipal staff and infrastructure;
- Enable optimum wastewater system efficiency and use;
- Reduce stormwater and other 'clear' water from entering the system;
- Protect wastewater sludge quality;
- Protect public and private property; and,
- Protect the natural environment.

The new Bylaw would contain provisions to regulate discharges of domestic wastewater; industrial / commercial / institutional wastewater, hauled sewage (including septage), and over strength matter, stormwater, clear water waste, and subsurface water. It would also

provide a framework to measure and address existing gaps in the city's sewer use control programs when compared to recommended industry standards of practice by enabling enhancements to existing programs or the development of new programs. Accordingly, it would also define control instruments, offences, and prescribe penalties for violators of the provisions contained therein.

The updated Bylaw would enable the development of program enhancements necessary to help contain costs and promote the long term sustainability of our wastewater systems and facilities.

For example, inflow and infiltration can substantially add rainwater and 'clear' groundwater to the flows which must be conveyed to and treated at wastewater plants. In Sudbury, extraneous flow can result in an increase in flow of over five times base flow at some facilities. Staff have estimated that annual operating costs associated with the collection and treatment of extraneous flow could be over \$800,000.00 / year (2006).

Inflow / Infiltration (or I/I) can be loosely defined as extraneous flow entering the sanitary sewage collection system. Specifically, **Inflow** is defined as water entering a sanitary collection system from such sources as roof leaders, basements, yards, area drains, foundation drains, drainage from springs or swampy areas, manhole covers, interconnections from storm sewers or structures (catch basins), storm waters, surface runoff, or other drainage. **Infiltration** is water from the ground entering a sewer system including building sewers, defective pipes, pipe joints, connections or manhole walls.

Over time, the reduction of extraneous flow into the sewer systems could provide not only operational economies but also reduce future capital investments and asset management costs for system and facility expansions and maintenance by lowering flows that are conveyed and treated. Although elements of sanitary sewer systems are designed to accommodate additional flow for growth and expansion, as systems age and deteriorate these allowances can be reduced substantially by I/I. Excessive rates of Inflow / Infiltration can substantially affect the performance of related infrastructure by hydraulically overloading the sewage collection system and wastewater treatment plants and as such can have substantive environmental, social, and economic consequences. These may manifest as operational problems such as sewer surcharge events, residential backups, or plant treatment bypasses; which increase the risk of regulatory non-compliance and prematurely create a need for costly upgrade or expansion of system components and treatment facilities.

Conversely, control of I/I can have positive affects on system reliability; help control costs; and minimize operational problems. Typically, I/I control programs are multi stage processes likely containing variations of the following five (5) elements:

1. Assessment of the wastewater collection systems;
 - Gathering information on existing sewer system conditions;
2. Flow Monitoring
 - Monitoring wastewater flows during dry and wet weather conditions to establish

- if the system is subject to excessive flows and I/I;
3. Sewer Assessment and Analysis;
 - Inspecting, testing and flow monitoring sub-basins to locate I/I sources and provide information on the condition of system appurtenances;
 4. System Remediation Plan Development;
 - Establishing priorities for cost effective rehabilitation, repair, or replacement work based on system conditions as well as factors such as environmental impacts, social implications, and treatment, operation, and maintenance costs;
 5. Remediation Plan Implementation;
 - Design and construction of programs and projects followed by monitoring to determine actual field benefits of the remedial work.

An updated Bylaw would define management measures, such as compliance agreements, codes of practice, and pollution prevention plans to deal with specific dischargers or classes of discharger of concern. These management tools would not only enable progress at containing rates of I/I, but also target non-compliant contaminant discharges and other practices that negatively affect our operations and drive operating and capital costs ever higher.

As we move toward sustainable, 'green' wastewater sludge disposal methodologies, it is more important than ever for the updated Bylaw to contain provisions aimed at controlling metals and other contaminants from entering CGS wastewater collection systems at the source in order to protect City staff and facilities, as well as the quality of the potential end products from wastewater sludge treatment systems as well as the quality of the effluent discharged to the environment.

The new Bylaw will provide clear policy direction to staff and a strong foundation for the development of related programs.

Consequently, staff are recommending that we be authorized to proceed with a substantial rewrite of the Sewer Use Bylaw crafted to facilitate compliance with regulatory requirements and current industry standards and achieve the following specific goals:

- Protect municipal staff and infrastructure;
- Enable optimum wastewater system efficiency and use;
- Prevent stormwater and other 'clear' water from entering the system;
- Protect wastewater sludge quality;
- Protect public and private property; and,
- Protect the natural environment.

All in accordance with the report from the General Manager of Infrastructure Services dated April 22, 2008.