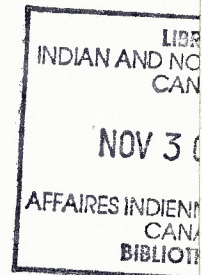




Forecast for O&M Gross and Net Funding Requirements for 1994/95

January 1994



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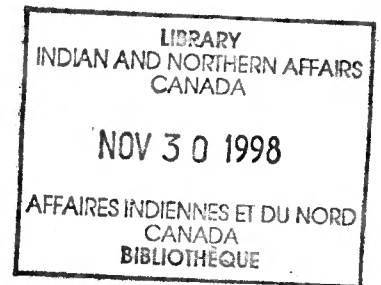
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Forecast for O&M Gross and Net Funding Requirements for 1994/95

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EXECUTIVE SUMMARY

Based on updated asset inventory and unit cost information as of May 15, 1993, the funding requirements for the operation and maintenance (O&M) of on-reserve, departmentally funded, assets have been calculated. The calculated gross funding requirement (GFR) and net funding requirement (NFR) are used to forecast the O&M funding needs for fiscal year 1994/95. For 1994/95, the GFR and NFR are respectively \$220.4 M and \$168.0 M.

The 1994/95 GFR increased 6.0% (\$12.4 M) over the 1993/94 GFR of \$208.0 M and the corresponding NFR increased 5.7% (\$9.1 M) over the 1993/94 NFR of \$158.9 M. These funding requirements represent the funds needed to operate and maintain an asset inventory with a replacement value of \$6.5 Billion. The asset replacement value of all assets in the previous year was \$6.1 Billion.

Asset O&M accounts for \$204 M of the GFR while Municipal Type Agreements and Waste Water Treatment Programs (MTA/WWTP) take up the balance of \$16.4 M. The asset O&M portion of the NFR is \$154.7 M while the MTA/WWTP share is \$13.3 M. Of the 6.0% increase in the GFR, 1.5% (\$3.06 M) is due to price and 4.5% (\$9.33 M) is due to volume.

A number of factors contributed to the modest 6.0% increase in the 1994/95 GFR. Because of a funding cap placed on MTA, there was no significant increase in the MTA component of the GFR (from \$16.2 M to \$16.4 M). Also, in the current GFR forecast, the O&M unit costs for schools and roads were frozen at the 1993/94 funding level pending the outcome of a comparative review of on- and off-reserve O&M costs for these asset types. In addition, a decision was taken by HQ to suspend O&M funding for assets with a general condition rating (GCR) of zero. This decision resulted in a \$1.27 M reduction in the NFR.

A national summary of GFR and NFR is provided in Table E-1. Nationally, Ontario Region has the highest percentage increase in GFR (14.6%) and NFR (13.4%). The regional distribution of the GFR is shown in Figures E-1. Ontario Region and Saskatchewan Region account for slightly over 40% of the GFR while Yukon Region has the lowest share (1.9% of GFR).

A breakdown of the GFR by asset category (Figures E-2) shows that buildings account for the largest share (51.6% of GFR), followed by transportation (15.5% of GFR). Solid waste disposal at 1.0% has the lowest share of the GFR.

Of the more significant increases in the O&M GFR, schools account for \$2.5 M, gravel roads account for \$1.4 M, vehicles account for \$1.7 M, and operative buildings account for \$1.0 M.

Table E-1. National Summary of 1994/95 GFR and NFR Forecast in \$ (,000).

Region	GFR in \$,000		% Change	NFR in \$,000		% Change
	1993/94	1994/95		1993/94	1994/95	
Atlantic	\$6,940.3	\$7,263.7	4.7%	\$5,110.8	\$5,320.8	4.1%
Quebec	\$16,918.4	\$17,433.9	3.1%	\$13,940.6	\$14,383.7	3.2%
Ontario	\$41,786.1	\$47,872.9	14.6%	\$31,580.8	\$35,800.1	13.4%
Manitoba	\$36,925.8	\$39,493.6	7.0%	\$28,345.5	\$30,146.8	6.4%
Saskatchewan	\$41,520.7	\$42,631.0	2.7%	\$33,050.7	\$34,011.4	2.9%
Alberta	\$33,105.9	\$34,027.9	2.8%	\$24,596.1	\$25,433.1	3.4%
Yukon	\$3,967.8	\$4,185.6	5.5%	\$2,258.1	\$2,449.0	8.5%
British Columbia	\$26,863.5	\$27,503.6	2.4%	\$20,000.2	\$20,436.8	2.2%
Totals	\$208,028.5	\$220,412.2	6.0%	\$158,882.8	\$167,981.7	5.7%

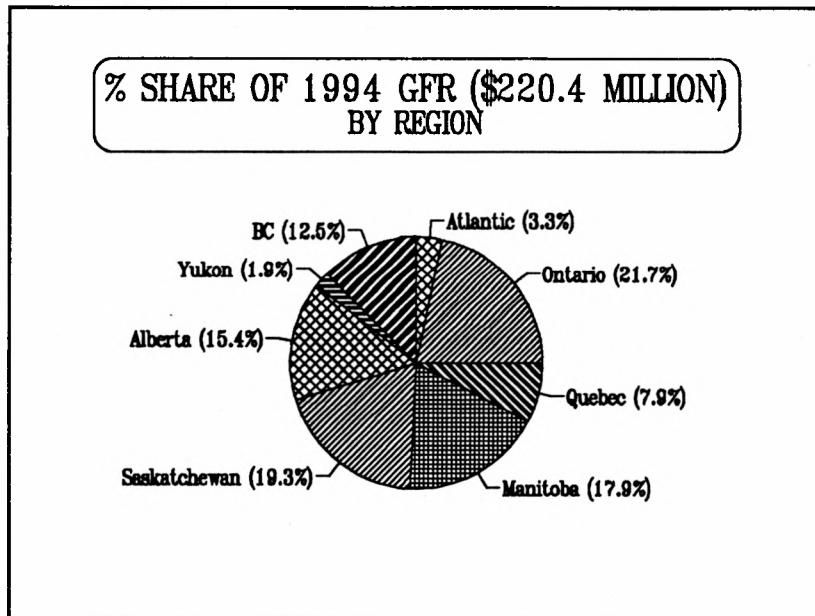


Figure E-1. Regional Share of 1994/95 GFR.

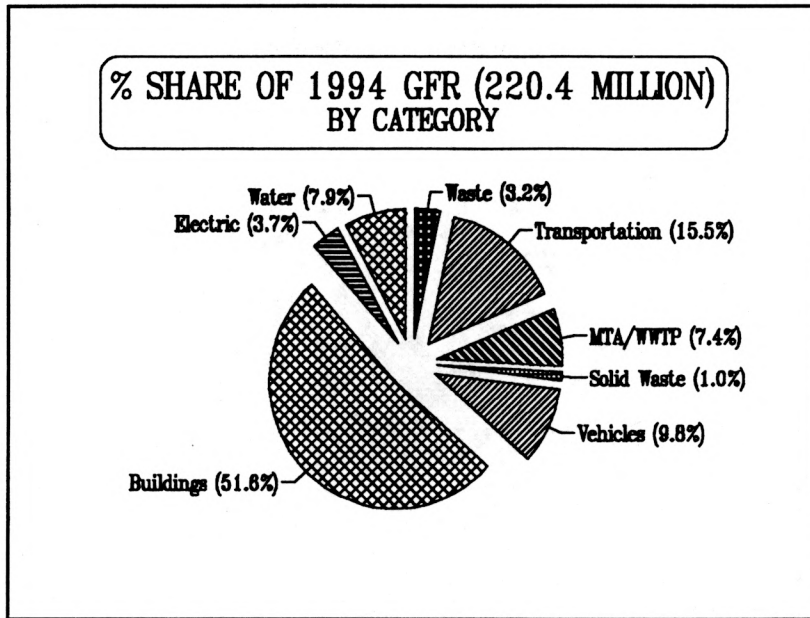


Figure E-2. Share of 1994/95 GFR by Asset Category.

The distribution of the MTA GFR for 1994/95 by region and by MTA type is shown in Figures E-3 and E-4 respectively.

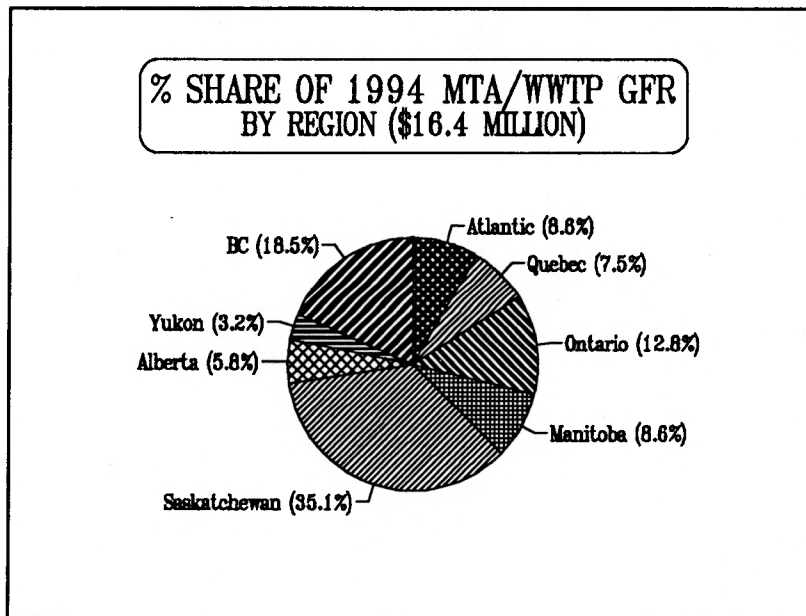


Figure E-3. Regional Share of 1994/95 MTA GFR.

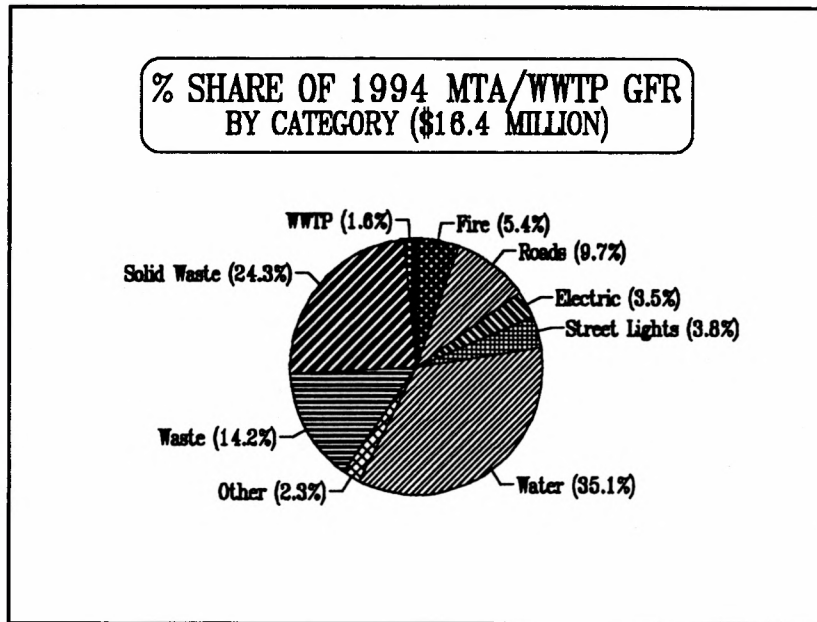


Figure E-4. Share of 1994/95 MTA GFR by MTA Type.

Saskatchewan region and Manitoba region reported decreases in their MTA while other regions reported slight increases. The overall increase in the national MTA GFR is, however, only \$200 K.

A region-by-region summary of the changes in the GFR is given in the body of the report. As well, detailed GFR/NFR tables are provided in Appendices 1-1 to 9-2.

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1.0 INTRODUCTION

The calculation of funding requirements for the operation and maintenance of on-reserve, departmentally funded, assets is accomplished using information in the Capital Asset Inventory System (CAIS). Each year, updated CAIS data is submitted by the regions to headquarters for the creation of the national data base. The regional data is first reviewed by HQ specialists for accuracy and then combined with current O&M unit cost information to arrive at the gross funding requirement (GFR) and the net funding requirement (NFR). The GFR/NFR calculations are used for supporting funding submissions and for internal resource allocation.

The GFR/NFR presented in this report is a forecast of the O&M funding required for 1994/95 in 1993/94 dollars.

2.0 GFR/NFR CALCULATIONS

2.1 General

The GFR is calculated from two separate but closely related information bases: inventory information and cost information. Changes in either base or more particularly in both bases can significantly affect the GFR for a particular facility, category, or region.

The GFR for a particular asset is calculated by taking the inventory information on that asset and multiplying it by the appropriate cost data. The individual GFR is totalled to provide regional totals as well as totals by asset category.

The NFR is computed by applying a discount factor to the GFR to account for funding obtained through other sources.

2.2 Inventory Information

The CAIS contains a listing of on-reserve community infrastructure assets in the Indian Services Program. The information in the system is collected by regional offices of INAC and DIAND Technical Services. Annually updated information on the inventory is provided to headquarters by the regions, and the national inventory is produced at headquarters by rolling up the updated regional data.

Although regions have been placing the onus on bands for the accuracy of asset information, it is still the responsibility of the region to ensure that band asset data are correct. At DIAND Technical Services headquarters, technical specialists annually review the regional data to check for gross errors or omissions.

The inventory information in this report represents CAIS data that have been reviewed as at May 15, 1993. The information is presented in terms of volume and price increases on a regional and national basis.

2.3 Cost Information

2.3.1 O&M Unit Costs

Standard O&M cost definitions have been developed for each of the different types of assets. Based on these definitions, PWGSC-DIAND has developed basic unit costs for the operation and maintenance of buildings, water distribution systems and the other types of assets funded by INAC. A "Base O&M Unit Cost" is defined as the price to maintain a given unit of a particular asset in the city of Toronto.

Through the use of consultants, third party information, contacts in other government departments, and from the feedback received from regional use of the previous revision of the Cost Reference Manuals (CRM) - Part 2, the base O&M costs are adjusted and updated annually by DIAND Technical Services specialists at HQ.

2.3.2 Unit Cost Multipliers

There are two multipliers which must be applied to the GFR calculations to project the Toronto base unit cost information to an actual site unit cost. The two factors are the City Centre Index (CCI) and the Zone or Remoteness Index (RI). Both the CCIs and RIs were reviewed and revised where appropriate during the past year.

The CCI translates the Toronto Base Cost to the cost at 32 others centres across the country. As most reserves are located in rural or remote settings, another modifier had to be developed to further translate the city centre modified cost to a cost appropriate to a given locale. The Remoteness Indices allow costs to be developed for reserves that are in urban, rural, remote or special access (i.e. no year-round road access) locations.

The CCIs and RIs are calculated on a "basket of goods" approach that includes such factors as labour, equipment and parts, energy and climate. Using this methodology, each facility's major O&M cost components are weighted based on an analysis of historical O&M costs. The index for each major component is then calculated based on the price of several common O&M cost items that are also weighted to represent actual spending profiles for the particular asset. This procedure is repeated for each of the facility types for which O&M costs are provided and for each of the city centres. Further adjustments are built into the calculation process to take into account, for example, the severity of climate on building operational costs, or the effects of climate and local operating characteristics for roads.

2.4 Municipal Type Agreements

The GFR/NFR includes a Municipal Type Agreement (MTA) component. A MTA is defined as an agreement between the department or band and another federal department, provincial government agency, municipal government, city or town government, private contractor (native or other), individual (native or other), or organization (federal, provincial, local, native).

The intent of the agreement is to purchase certain specified services instead of providing them directly. The MTA recognizes that contracted or purchased services are other options that band councils may employ to provide necessary services to their constituents.

Municipal Type Agreements may include provision of services for:

Water supply, water supply and distribution, wastewater disposal, garbage collection, garbage collection and disposal, garbage disposal, roads maintenance, bridge maintenance, railway crossing maintenance, and fire fighting.

Municipal Type Agreements **DO NOT** include :

Animal control services, policing agreements, contracts for fuel heating, contracts for fuel for electricity, contracts for cleaning, contracts for fire alarm inspection and repair, bridge operation, winter road operation and maintenance, cat-train operation and maintenance, and ferry operation and maintenance.

The Waste Water Treatment Program (WWTP), a program funded by the department to test waste water treatment, is also grouped with the MTA in the GFR/NFR. The program covers the testing of waste water treatment facilities such as RBC/trickling filters, extended aeration plants, sewage lagoons, and aerated lagoons.

2.5 NFR

The Net Funding Requirement (NFR) is the actual funding allocated to regions for the O&M of INAC funded assets. It is the GFR less funds supplied through other funding sources such as the collection of user fees. A discount factor is applied to the GFR of each of the funded asset category to produce the NFR. These discount factors are based on established departmental capital asset management policies.

3.0 FINDINGS

3.1 National Analysis

The national GFR for 1994/95 is estimated to be \$220.4 M. This is a 6.0%¹ or \$12.4 M increase over the 1993/94 GFR of \$208.0 M. As depicted in Figure 1, asset O&M accounts for 92.6% (\$204 M) of the GFR while the balance of 7.4% (\$16.4 M) is for MTA and WWTP. The 6.0% increase in the GFR is due to a 4.5% (\$9.33 M) increase in volume and a 1.5% (\$3.06 M) increase in price.

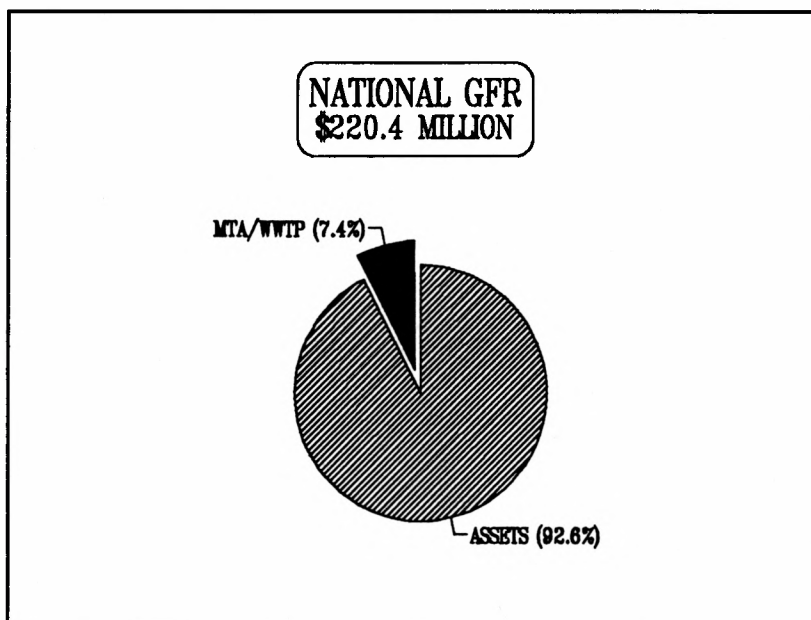


Figure 1. Distribution of 1994/95 National GFR.

From a regional comparison of the present GFR with the 1993/94 GFR (Figures 2), it can be seen that increases in the GFR range from \$217.8 K for Yukon Region to \$6.09 M for Ontario Region. In percentage terms (Figure 3), the change in the GFR varies from a low of 2.4% for British Columbia Region to a high of 14.6% for Ontario Region. The large increase in Ontario Region's GFR is due primarily to the many Green Plan funded water and sewage facilities that are now entering the asset inventory.

¹Percentages are calculated using the following formula:

$$\%Change = \frac{NewValue - OldValue}{OldValue} \times 100$$

The NFR for 1994/95 is \$168 M. This is \$9.1 M (or 5.7%) higher than the 1993/94 NFR of \$158.9 M. The NFR increases range from \$190.9 K for Yukon Region to \$4.22 M for Ontario Region. Percentage increases in the NFR vary from 2.18% for B.C. Region to 13.36% for Ontario Region.

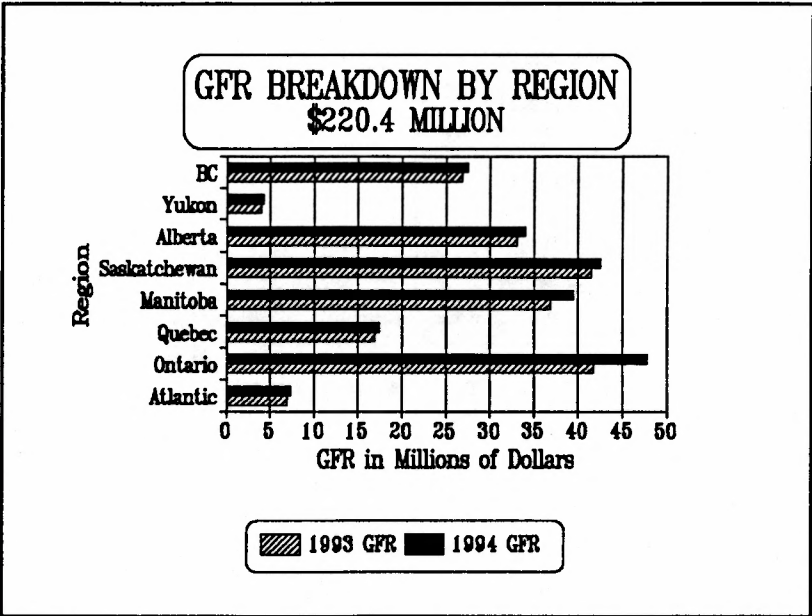


Figure 2. Comparison of GFR by Region.

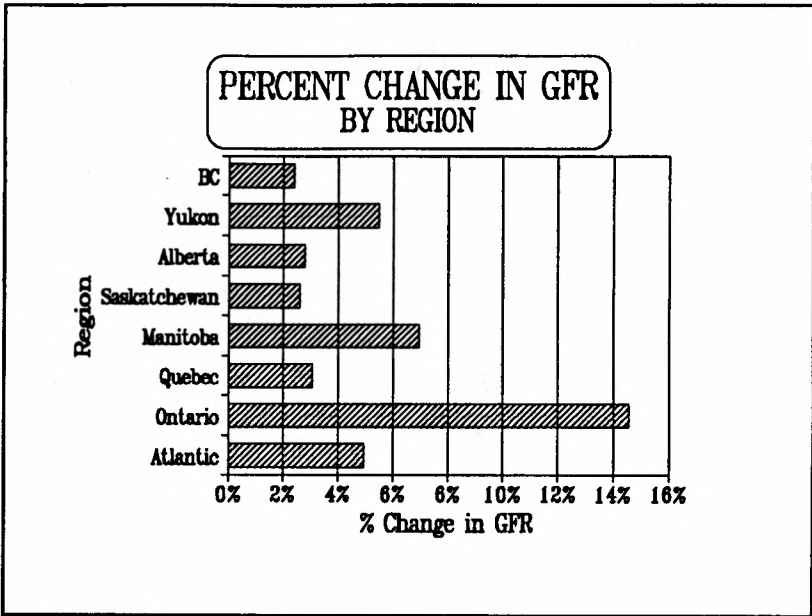


Figure 3. Percent Change in GFR by Region.

Figure 4 compares the 1993/94 and 1994/95 GFR by asset category. Figure 5 shows the variances in absolute terms while Figure 6 shows them in percentages.

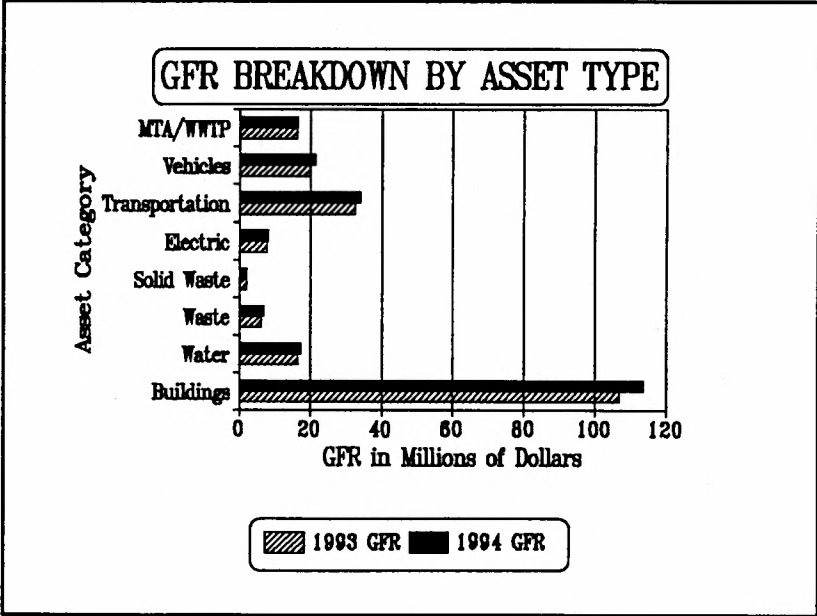


Figure 4. Comparison of National GFR by Asset Category.

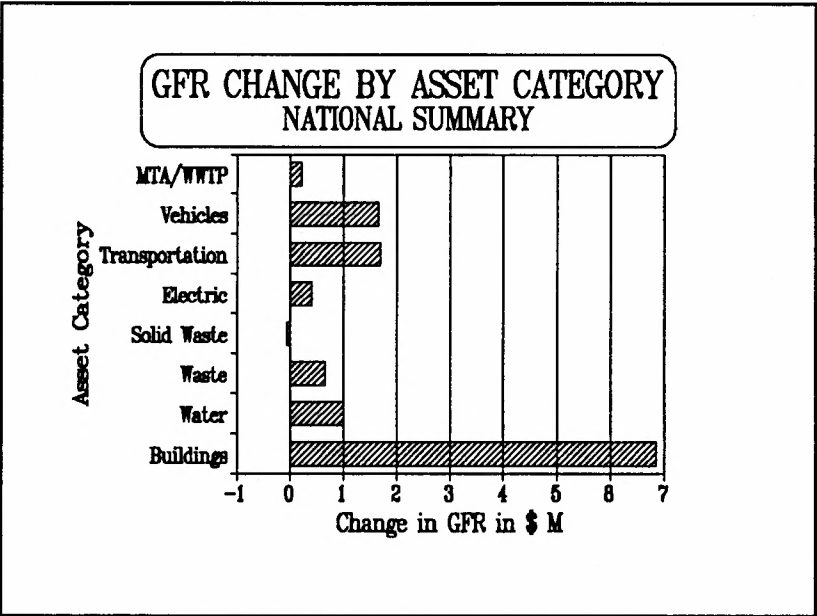


Figure 5. Change in National GFR by Asset Category.

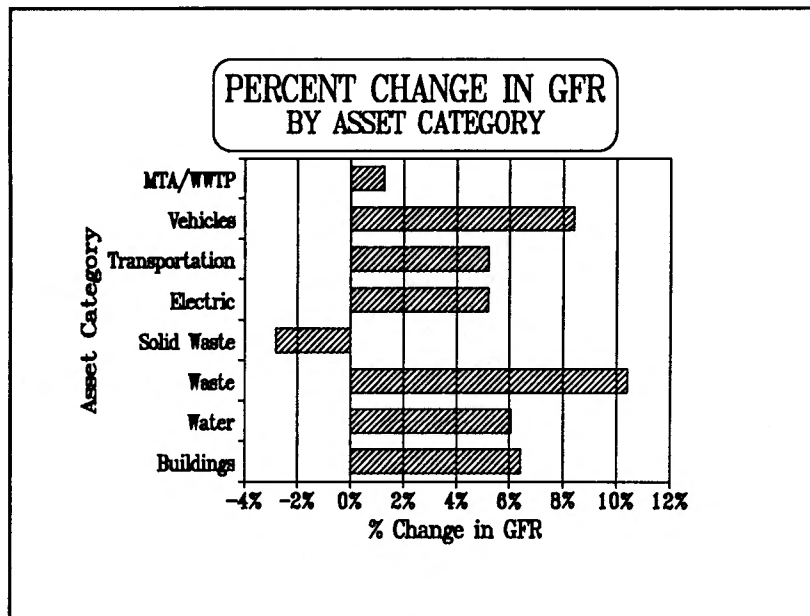


Figure 6. Percent Change in National GFR by Asset Category.

The following is a summary of the GFR changes in the various asset categories. Details of the national NFR and GFR can be found in the tables provided in Appendices 1-1 and 1-2.

- **Buildings:** Buildings O&M costs increased from \$107 M to \$113.6 M, a 6.4% increase. New schools and operative buildings (i.e., water and sewage treatment plants) account for most of the increase.
- **Water Supply:** Water supply O&M costs increased 6.0% from \$16.4 M to \$17.4 M. Ontario Region accounts for \$893 K of the increase.
- **Waste Disposal:** Waste disposal O&M costs increased 10.4% (from \$6.3 M to \$6.97 M). The bulk of the increase is also due to Ontario Region (\$414.7 K).
- **Solid Waste:** Solid waste O&M costs decreased 2.8% (from \$2.18 M to \$2.12 M). This is due to the transfer of some solid waste sites to MTA and the suspension of funding for some sites with general condition rating of zero.
- **Electricity:** O&M costs for electricity generation and distribution increased from \$7.81 M to \$8.22 M, a 5.2% raise. The majority of the increase is due to generator hook-up to new buildings and increased operating costs in Ontario Region.
- **Transportation:** The O&M costs for roads and bridges increased 5.2% from \$32.5 M to \$34.2 M. New construction and remeasurement of gravel roads in Ontario contributed to \$705 K of the \$1.7 M increase.

- **Vehicles:** Increases in the number of vehicles for fire fighting, water delivery, waste water collection, and solid waste collection contributed to a 8.4% increase in O&M costs (from \$19.8 M to \$21.5 M).
- **MTA/WWTP:** The increase in the MTA/WWTP for 1994/95 is a modest \$200 K. Saskatchewan and Manitoba reported decreases in their MTA GFR while other regions reported slight increases. Some of the increases are due to the transfer of solid waste sites to MTA. In Yukon Region, however, a new electricity generation MTA (\$167.4) and agreements for municipal services for several new sites (\$104.5 K) increased that region's MTA from \$239.7 K in 1993/94 to the current \$531.7 K.

3.2 Regional Analysis

3.2.1 Atlantic Region

The GFR for Atlantic Region is \$7.26 M. This is \$323.3 K (4.7%) higher than the 1993/94 GFR of \$6.94 M. The NFR for the Region is \$5.32 M and is 4.1% higher than the 1993/94 NFR of \$5.11 M. The split in this Region's GFR between asset O&M and MTA/WWTP is shown in Figure 7. Of the total GFR, 80.7% or \$5.86 M of the GFR is for asset O&M while 19.3% or \$1.40 M is for MTA/WWTP.

A comparison of the 1993/94 and 1994/95 GFR by asset category is shown in Figure 8. Figure 9 shows the GFR changes in absolute terms and Figure 10 shows the changes as percentages.

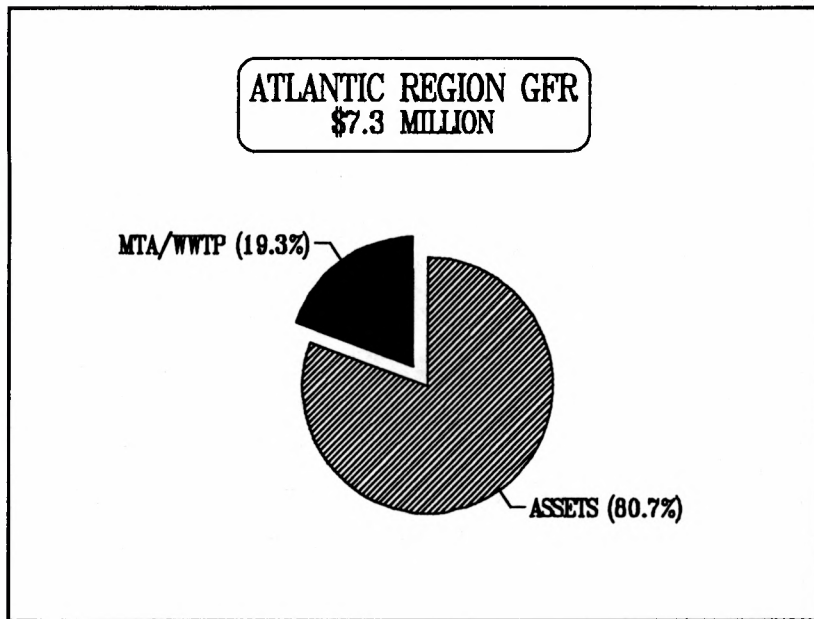


Figure 7. Distribution of Atlantic Region GFR.

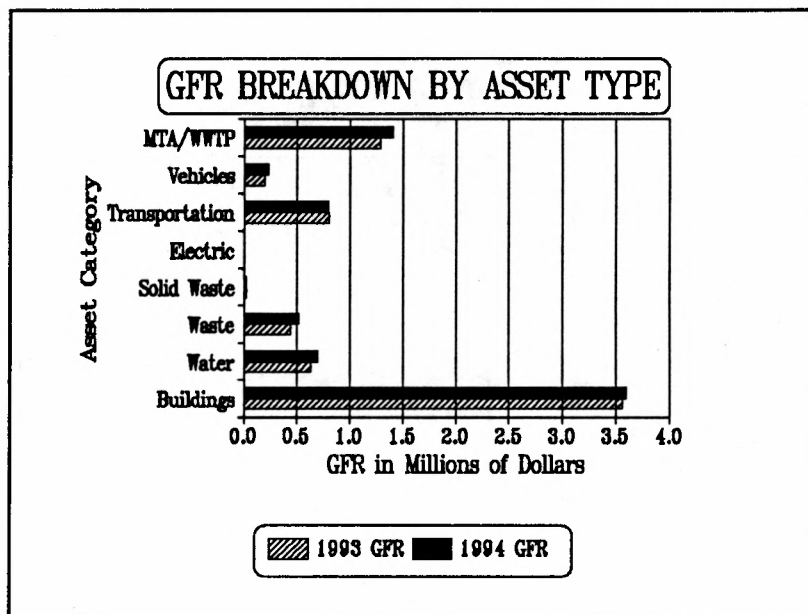


Figure 8. Comparison of Atlantic Region GFR by Asset Category.

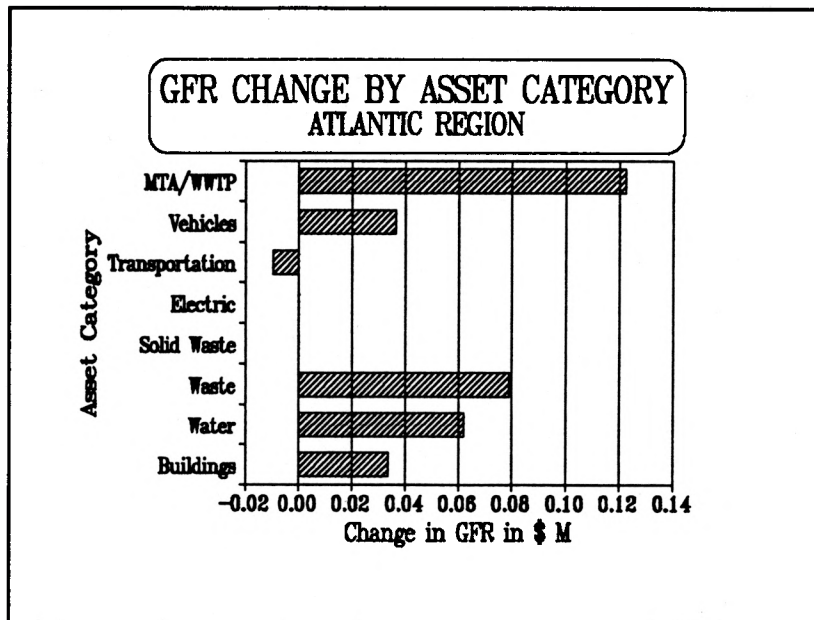


Figure 9. Change in Atlantic Region GFR by Asset Category.

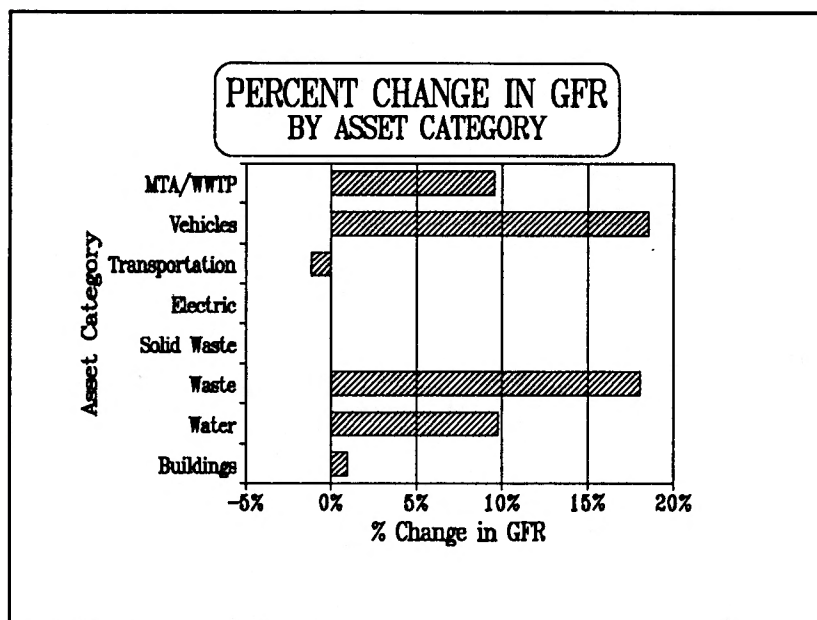


Figure 10. Percent Change in Atlantic Region GFR by Asset Category.

The detailed GFR and NFR tables for Atlantic Region are provided in Appendices 2-1 and 2-2. A summary of the GFR changes by asset category is given below:

- **Buildings:** Increased 0.9% from \$3.56 M to \$3.59 M. The increase is a result of new band offices, day care centres, teacherages, and pumphouses.
- **Water Supply:** Increased 9.8% from \$633 K to \$695 K. New lift stations, reservoirs, and community wells account for the increase.
- **Waste Disposal:** Increased 18.1% from \$436 K to \$515 K. New sanitary and storm mains, lift stations, and sewage lagoons resulted in the increase.
- **Solid Waste:** There is no increase in the GFR which remains at \$25 K.
- **Electricity:** All sites in the Region are on provincial grid.
- **Transportation:** Decreased 1.2% from \$807 K to \$796.9 K. The decrease is due the suspension of funding for assets with a general condition rating of zero.
- **Vehicles:** Increased 18.6% from \$196 K to \$233.2 K. The increase is due to the acquisition of a mini-pumper, a triple-combination pumper, and a solid waste collection vehicle.
- **MTA/WWTP:** Increased 9.5% from \$1.28 M to \$1.40 M. The increase is due to major increases in water supply, solid waste collection, and street lights Municipal Type Agreements at several sites.

3.2.2 Quebec Region

Quebec Region's GFR for 1994/95 increased 3.1% from \$16.9 M in 1993/94 to \$17.4 M. The NFR increased 3.2% from \$13.9 M to \$14.4 M. Figure 11 shows the division of the GFR between asset O&M and MTA/WWTP. Asset O&M accounts for 92.9% (\$16.2 M) of the GFR while MTA/WWTP accounts for the remaining 7.1% (\$1.24 M). A comparison of the GFR change by asset category is shown in Figure 12. Figure 13 shows the changes in the GFR in absolute terms while Figure 14 shows them as percentages.

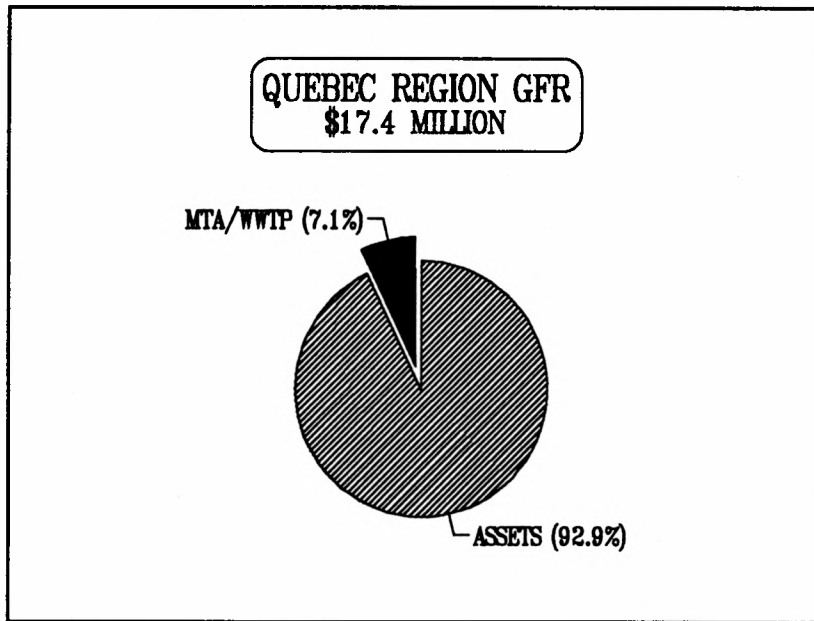


Figure 11. Distribution of Quebec Region GFR.

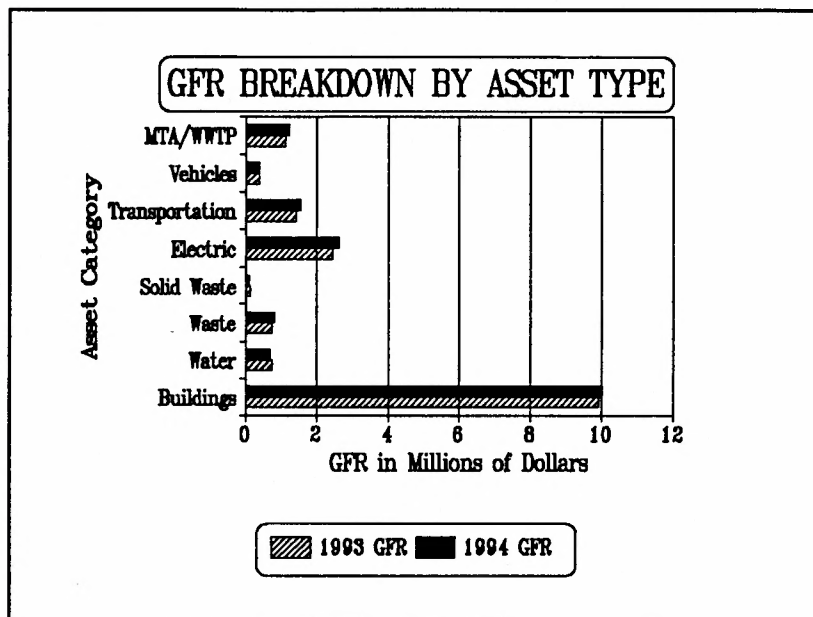


Figure 12. Comparison of Quebec Region GFR by Asset Category.

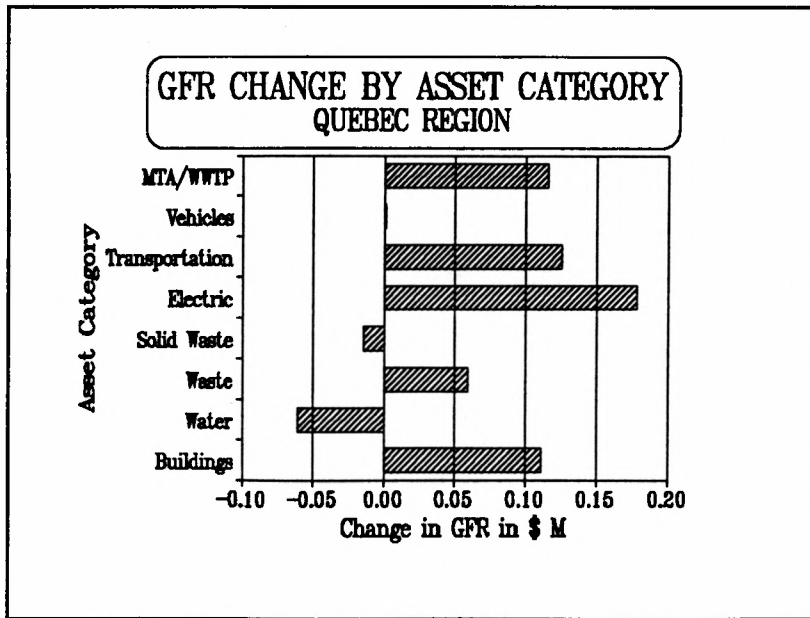


Figure 13. Change in Quebec Region GFR by Asset Category.

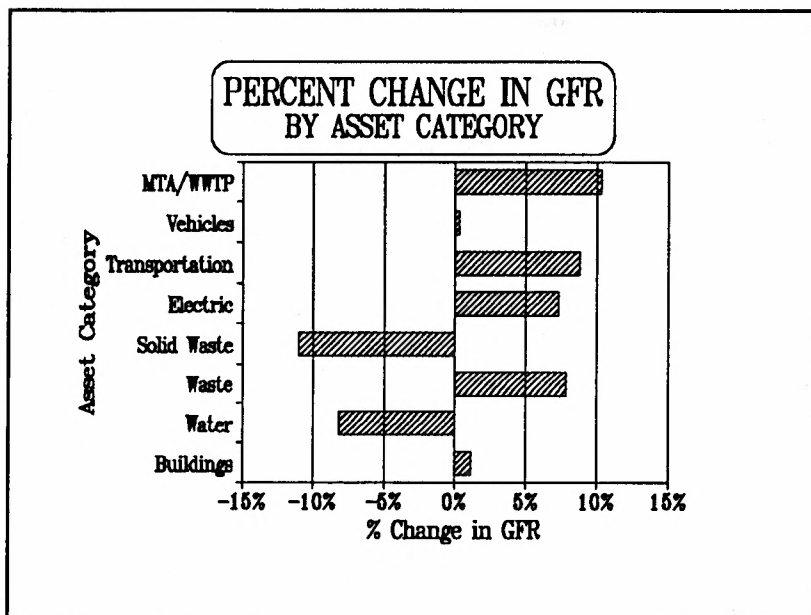


Figure 14. Percent Change in Quebec Region GFR by Asset Category.

The GFR and NFR tables for Quebec Region are provided in Appendices 3-1 and 3-2. A summary of the GFR changes for Quebec Region is given below:

- **Buildings:** Increased 1.1% from \$9.92 M to \$10.03 M. Increases in the quantity of schools, teacherages, recreational facilities, and operative buildings are the major contributing factors.
- **Water Supply:** Decreased 8.2% from \$746 K to \$685 K. The decrease is due mainly to a reduction of community wells and high lift stations. Also, there are watermains with general condition rating of zero that did not receive funding. It would appear that some water supply services may have been transferred to MTA since there is a 47.5% increase in the water supply MTA.
- **Waste Disposal:** Increased 7.9% from \$752 K to \$811 K. Construction of lift stations and aerated lagoons contributed to the increase.
- **Solid Waste:** Decreased 11% from \$129 K to \$115 K. Closure of a landfill site is the main reason for the decrease.
- **Electricity:** Increased 7.3% from \$2.44 M to \$2.62 M. The increase is mainly due to higher O&M and fuel costs.
- **Transportation:** Increased 8.8% from \$1.4 M to \$1.55 M. The increase is caused by new gravel roads and vehicular and pedestrian bridges that were not previously entered in the inventory.
- **Vehicles:** Increased 0.3% from \$383.5 K to \$384.7 K. The increase is due solely to price.
- **MTA/WWTP:** Increased 10.3% from \$1.12 M to \$1.24 M. Major increases in MTA for water supply (\$92.7 K) and other municipal services (\$104.7 K) raised the 1994/95 MTA GFR.

3.2.3 Ontario Region

The 1994/95 GFR for Ontario Region increased from \$41.8 M to \$47.8 M, a 14.6% growth. MTA/WWTP represents 4.4% (\$2.09 M) of the GFR while asset O&M represents 95.6% (\$45.8 M) of the GFR (see Figure 15). The Region's NFR is \$35.8 M and is 13.4% higher than the 1993/94 NFR of \$31.6 M. From the CAIS audit trails and information supplied by the Region, it would appear that this Region experienced a major expansion in community infrastructure in 1992/93. Comparisons of the present GFR with the 1993/94 GFR are shown in Figures 16, 17 and 18.

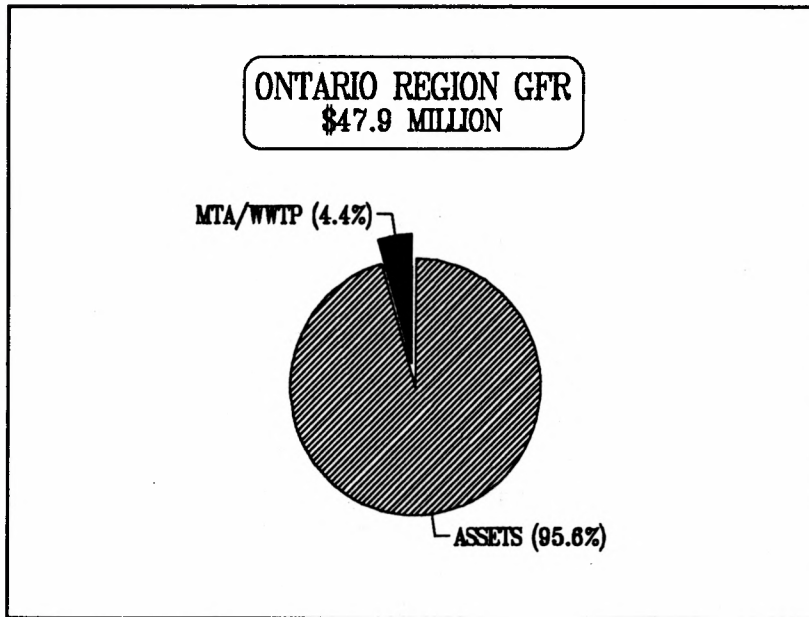


Figure 15. Distribution of Ontario Region GFR.

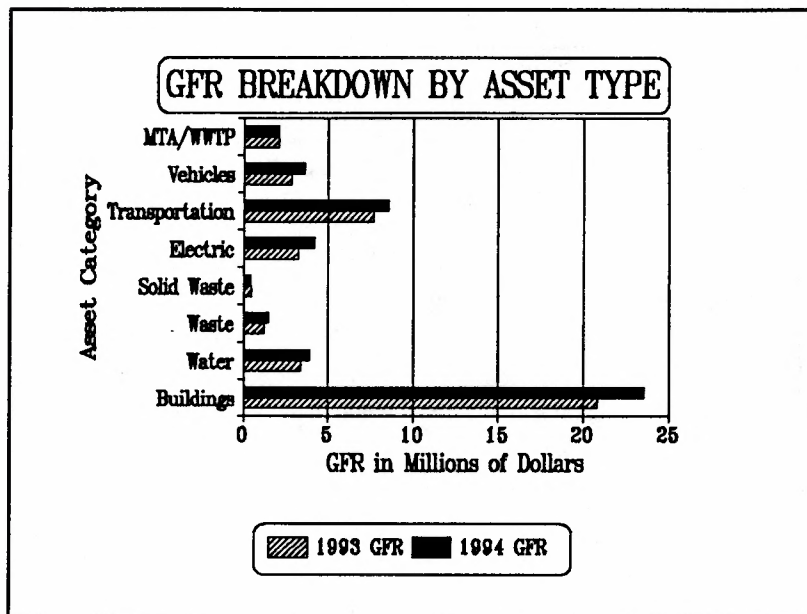


Figure 16. Comparison of Ontario Region GFR by Asset Category.

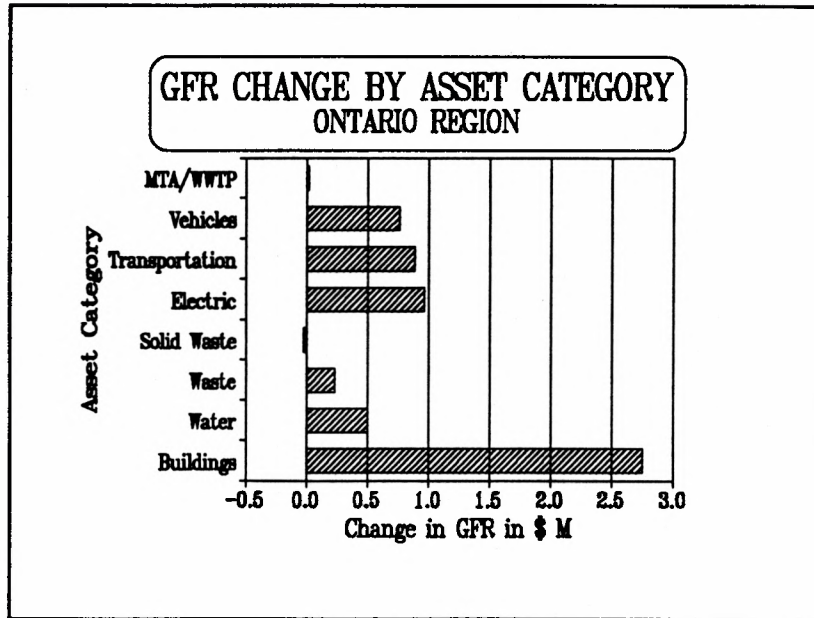


Figure 17. Change in Ontario Region GFR by Asset Category.

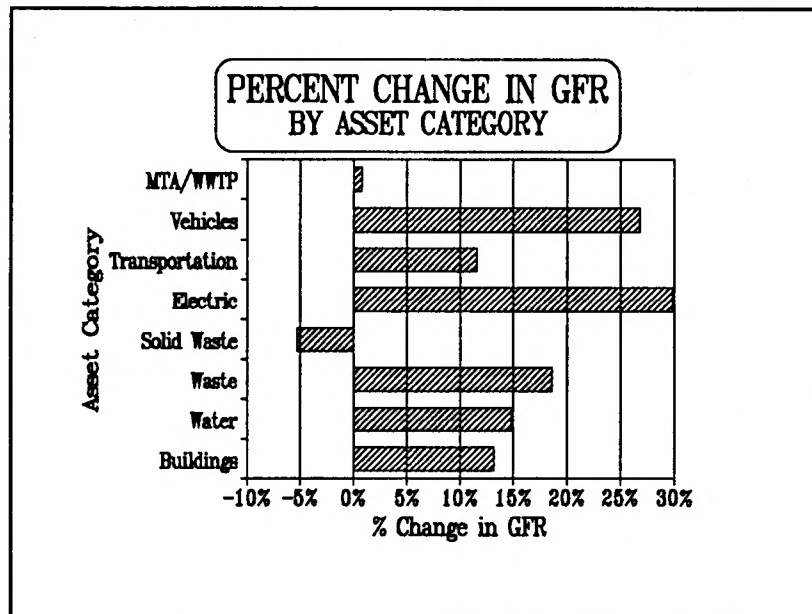


Figure 18. Percent Change in Ontario Region GFR by Asset Category.

Detailed GFR and NFR tables for Ontario Region are given in Appendices 4-1 and 4-2. The following is a summary of changes in the Ontario Region GFR:

- **Buildings:** Increased 13.2% from \$20.82 M to \$23.57 M. New construction and conversion of education facilities, utility buildings, and operative buildings contributed to the bulk of the increase.
- **Water supply:** Increased 14.8% from \$3.4 M to \$3.91 M. New construction of water mains, storage reservoirs, lift stations, and water treatment systems resulted in the rise in the O&M GFR.
- **Waste Disposal:** Increased 18.1% from \$1.24 M to \$1.48 M. Construction of gravity mains, RBC trickling filters, and sewage lagoons are the major contributors to the increase.
- **Solid Waste:** Decreased 5.3% from \$482 K to \$456 K. The closure of four refuse sites and the suspension of funding for landfill and refuse sites with GCR of zero resulted in the decrease.
- **Electricity:** Increased 29.8% from \$3.23 M to \$4.20 M. Hook-up to new buildings and increased fuel and maintenance costs are reasons cited by the Region for the hike in the O&M GFR.
- **Transportation:** Transportation increased 11.5% from \$7.68 M to \$8.57 M. New gravel roads and paved roads are the main reasons for the increase.
- **Vehicles:** Increased 26.8% from \$2.84 M to \$3.61 M. Major acquisitions in all categories of utility vehicles resulted in the increase.
- **MTA/WWTP:** Increased 0.8% from \$2.07 M to \$2.09 M. A major increase in solid waste MTA was offset by a decrease in wastewater collection MTA.

3.2.4 Manitoba Region

The GFR for Manitoba Region increased 7.0% from \$36.9 M in 1993/94 to the present \$39.5 M. The NFR for this Region increased 6.4% from \$28.3 M to \$30.1 M. Figure 19 shows the distribution of the GFR between asset O&M and MTA/WWTP. Comparisons of the 1993/94 GFR with that of 1994/95 are shown in Figures 20, 21 and 22.

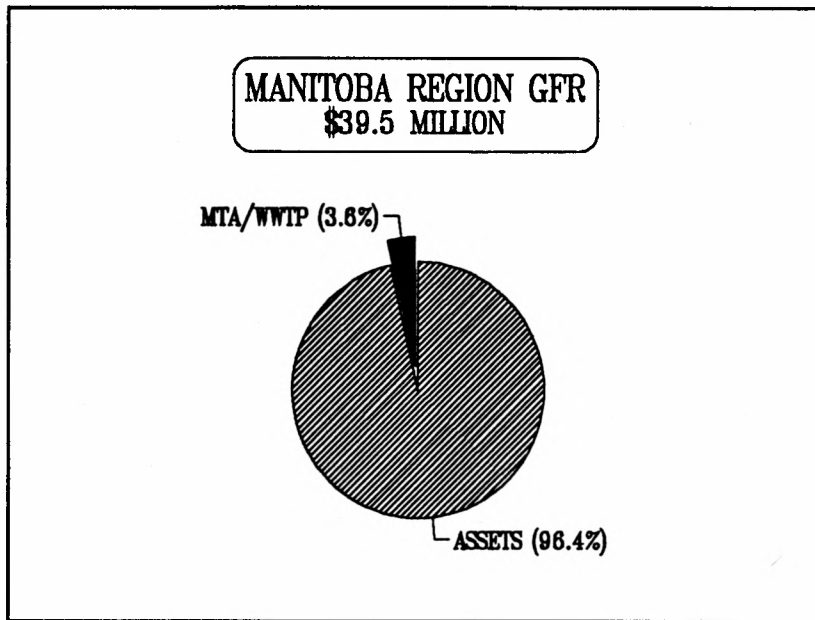


Figure 19. Distribution of Manitoba Region GFR.

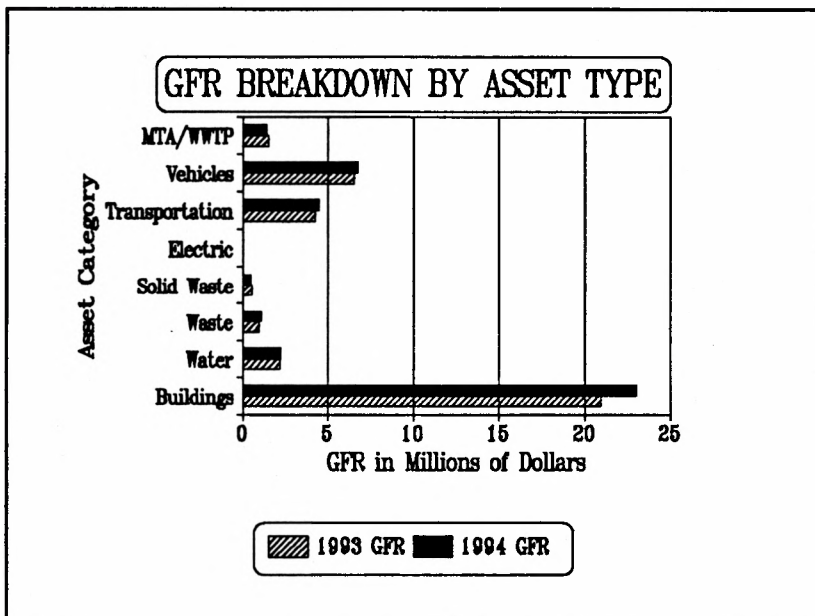


Figure 20. Comparison of Manitoba Region GFR by Asset Category.

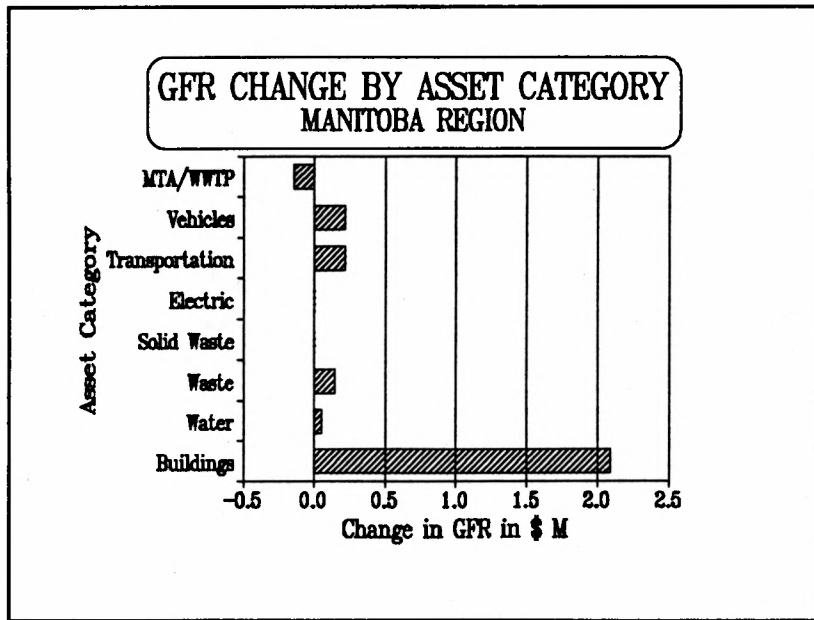


Figure 21. Change in Manitoba Region GFR by Asset Category.

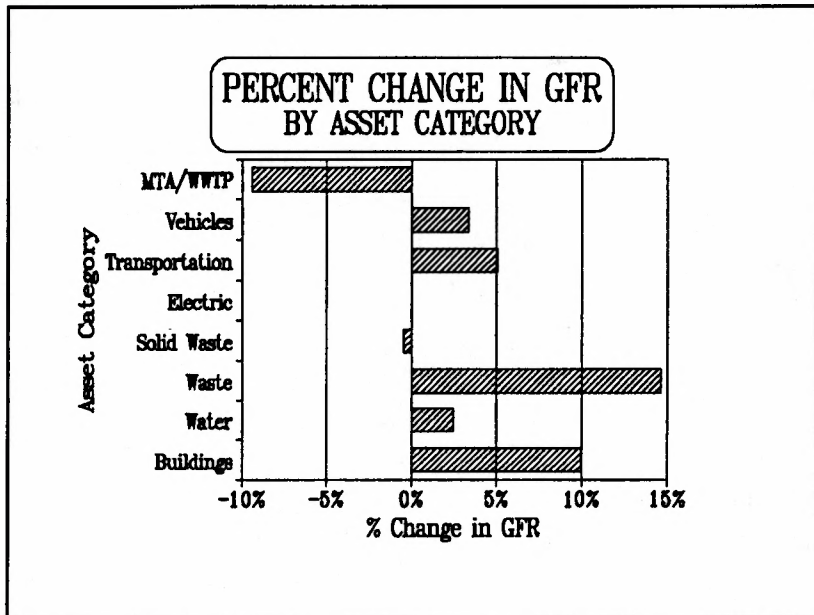


Figure 22. Percent Change in Manitoba Region GFR by Asset Category.

The detailed GFR/NFR tables for Manitoba are given in Appendices 5-1 and 5-2. The following is a summary of the changes in the Manitoba Region GFR by asset category:

- **Buildings:** Increased 10% from \$20.96 M to \$23.05 M. New schools and teacherages contributed to \$1.04 M of the increase. Construction and conversion of administrative, utility and operative buildings account for the most part of the remaining increase.
- **Water Supply:** Increased 2.5% from \$2.16 M to \$2.22 M. New heated and unheated water mains and storage reservoirs are responsible for the majority of the increase.
- **Waste Disposal:** Increased 14.6% from \$974 K to \$1.11 M. New gravity mains, extended aeration lagoons, septic holding tanks, and lift stations contributed to the increase.
- **Solid Waste:** Decreased 0.5% from \$519 K to \$516 K. The decrease is due to the suspension of funding for a landfill site with a condition rating of zero.
- **Electricity:** The GFR is unchanged and remains at \$1.2 K.
- **Transportation:** Increased 5% from \$4.27 M to \$4.49 M. New gravel roads contributed to most of the increase.
- **Vehicles:** Increased 3.4% from \$6.48 M to \$6.70 M. The acquisition of various utility and fire fighting vehicles resulted in the increase.
- **MTA/WWTP:** Decreased 9.4% from \$1.55 M to \$1.41 M. The decrease is due to drops in water MTA (from \$480 K to \$432 K), wastewater collection MTA (from \$352 K to \$251 K), and solid waste collection MTA (from \$580 K to \$572 K).

3.2.5 Saskatchewan Region

Saskatchewan Region's GFR for 1994/95 is \$42.6 M. This is a 2.7% increase over the 1993/94 GFR of \$41.5 M. The NFR for this Region increased 2.9% from \$33.1 M to \$34.0 M. The distribution of the GFR is 13.5% for MTA/WWTP and 86.5% for asset O&M (Figure 23). Comparisons of The Region's GFR by asset category are shown in Figures 24, 25 and 26.

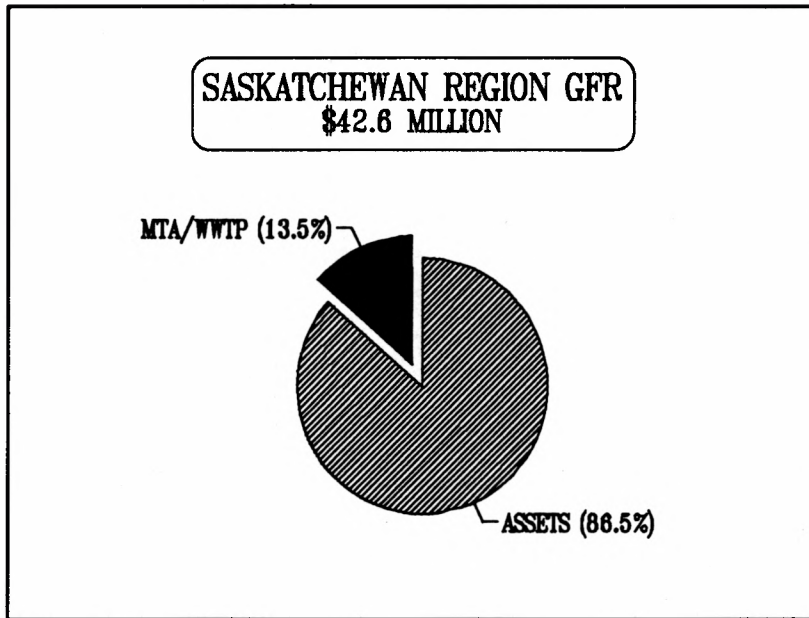


Figure 23. Distribution of Saskatchewan Region GFR.

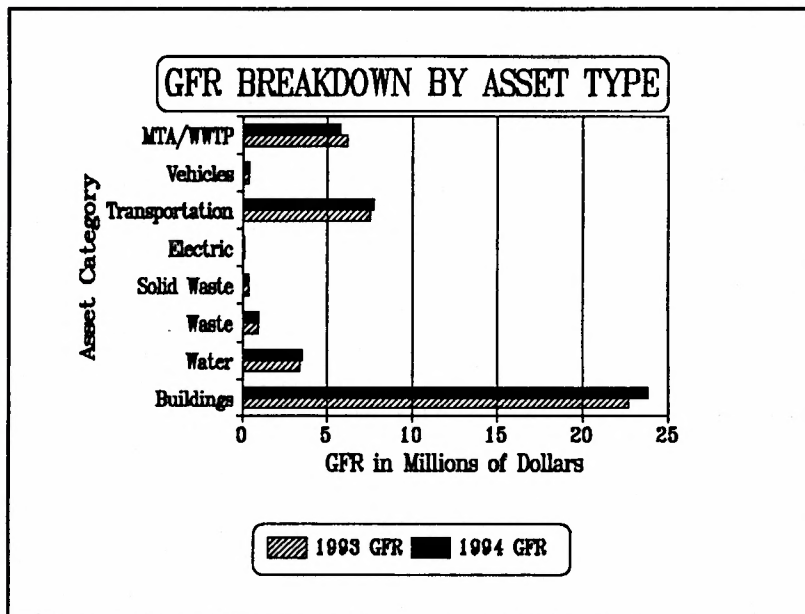


Figure 24. Comparison of Saskatchewan Region GFR by Asset Category.

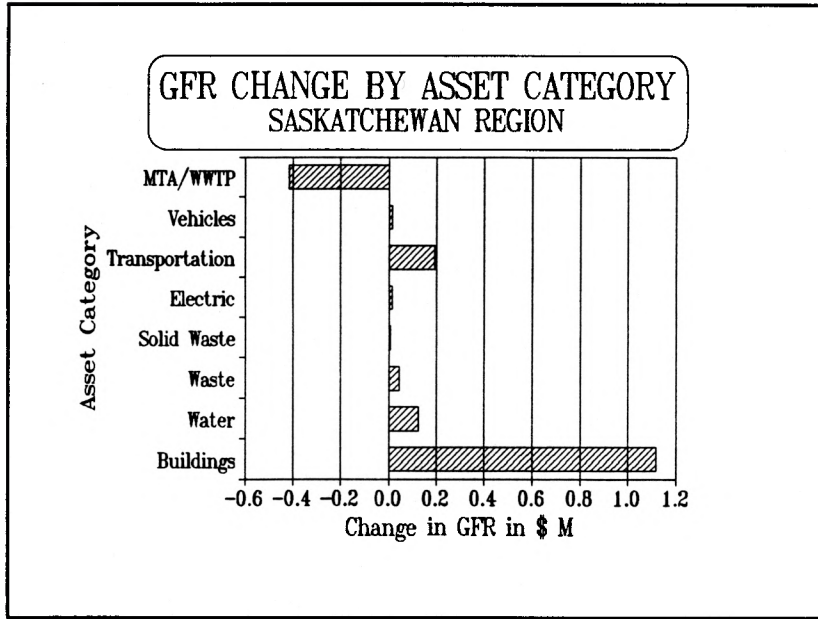


Figure 25. Change in Saskatchewan Region GFR by Asset Category.

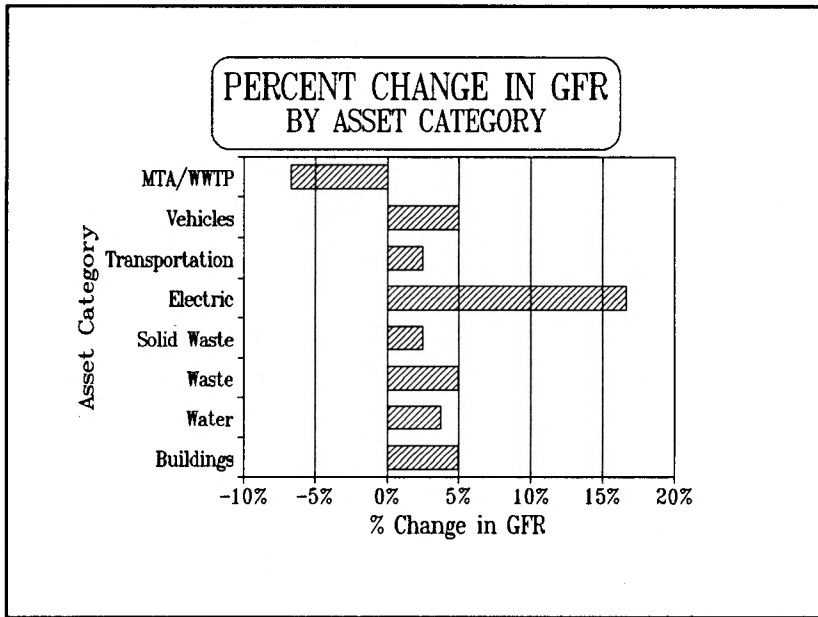


Figure 26. Percent Change in Saskatchewan Region GFR by Asset Category.

Appendices 6-1 and 6-2 give the detailed GFR/NFR tables for Saskatchewan Region. Changes in the Region's GFR/NFR are summarized below:

- **Buildings:** Increased 4.9% from \$22.67 M to \$23.79 M. New operative and utility buildings are the main contributors to the increase.
- **Water Supply:** Increased 3.7% from \$3.37 M to \$3.50 M. The increase is due to new heated water mains, water treatment units, and storage reservoirs.
- **Waste Disposal:** Increased 5% from \$913 K to \$958 K. New gravity mains and lift stations are the primary reasons for the increase.
- **Solid Waste:** Increased 2.5% from \$362 K to \$371 K. The increase is solely due to price.
- **Electricity:** Increased 16.7% from \$108.6 K to \$126.7 K. New street lights account for the increase.
- **Transportation:** Increased 2.5% from \$7.55 M to \$7.74 M. Remeasurement of large culverts that were previously miscoded contributed to the increase.
- **Vehicles:** Increased 5% from \$372 K to \$390 K. The acquisition of a new mini-pumper contributed to the increase.
- **MTA/WWTP:** Decreased 6.7% from \$6.16 M to \$5.75 M. The decrease is due to the availability of piped water and sewage services at several sites thus reducing the number of water and waste water MTA.

3.2.6 Alberta Region

Alberta Region's GFR increased 2.79% from \$33.1 M to \$34.0 M. The Region's NFR increased 3.4% from \$24.6 M to \$25.4 M. The distribution of the Region's GFR between MTA/WWTP and asset O&M is shown in Figure 27. Figures 28, 29 and 30 show comparisons of the GFR by asset category.

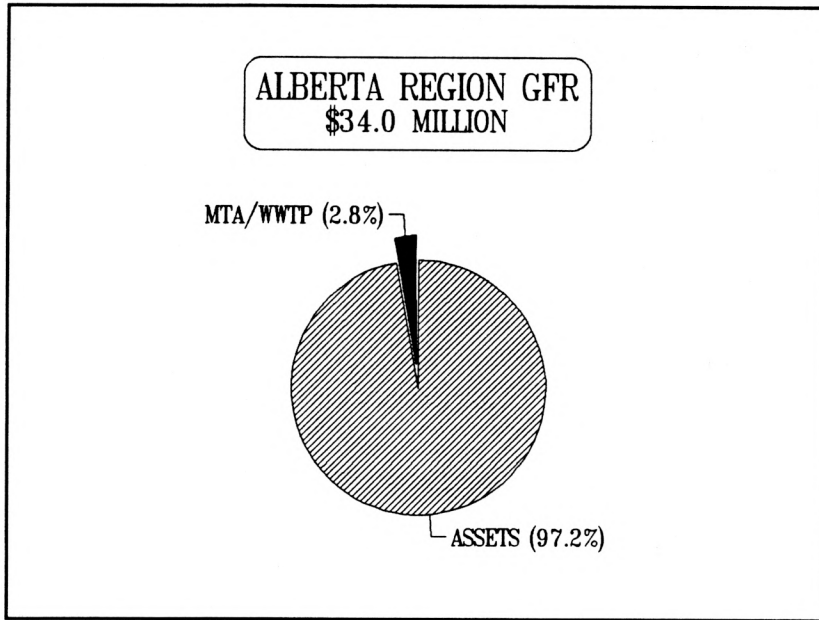


Figure 27. Distribution of Alberta Region GFR.

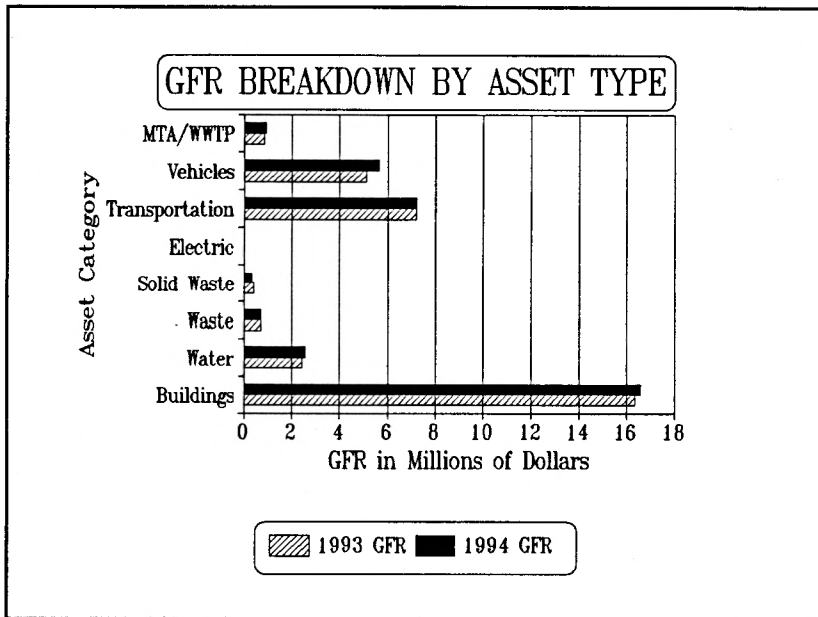


Figure 28. Comparison of Alberta Region GFR by Asset Category.

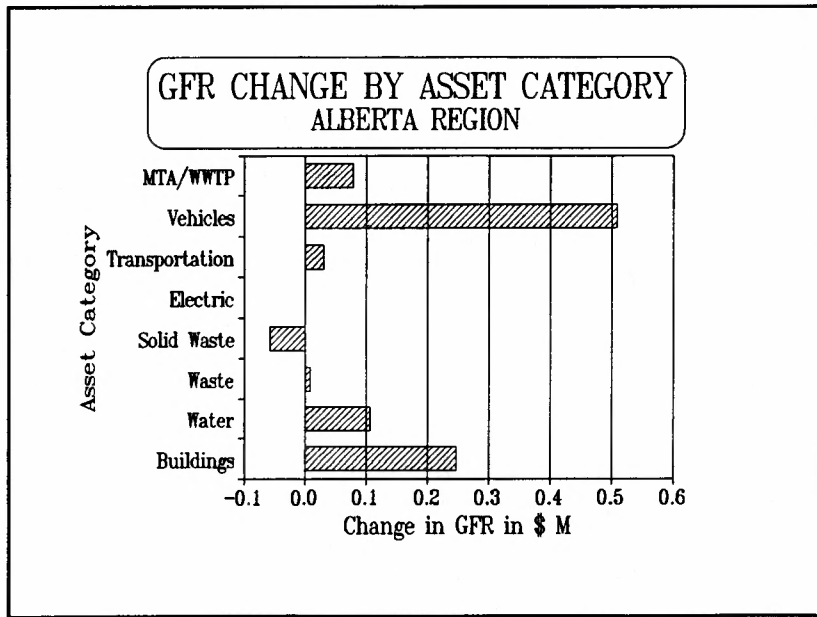


Figure 29. Change in Alberta Region GFR by Asset Category.

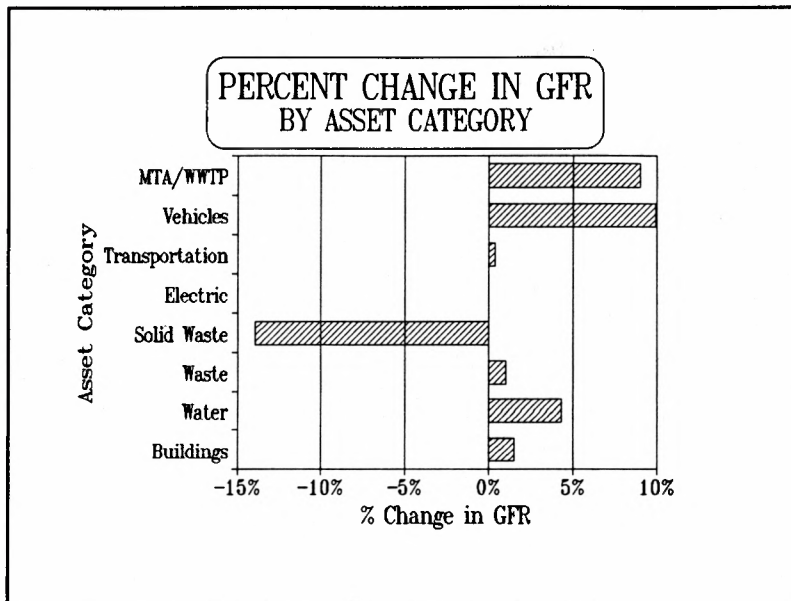


Figure 30. Percent Change in Alberta Region GFR by Asset Category.

Detailed GFR/NFR tables for Alberta Region are provided in Appendices 7-1 and 7-2. Changes in the Region's GFR by asset category are:

- **Buildings:** Increased 1.5% from \$16.3 M to \$16.6 M. New construction and expansion of schools contributed to the bulk of the increase.
- **Water Supply:** Increased 4.3% from \$2.45 M to \$2.56 M. New water mains and community wells are responsible for the increase.
- **Waste Disposal:** Increased 1.1% from \$734 K to \$742 K. The increase is due mainly to new lift stations and gravity mains.
- **Solid Waste:** Decreased 14% from \$405 K to \$348 K. The decrease is the result of HQ not funding landfill and refuse sites with general condition rating of zero.
- **Electricity:** All sites in the Region are on provincial grid.
- **Transportation:** Increased 0.4% from \$7.19 M to \$7.22 M. Remeasurement of earth roads and new vehicular bridges contributed to the change in GFR.
- **Vehicles:** Increased 9.9% from \$5.13 M to \$5.64 M. Newly acquired utility and fire fighting vehicles account for most of the increase.
- **MTA/WWTP:** Increased 9% from \$867 K to \$946 K. New solid waste disposal MTA account for most of the increase.

3.2.7 Yukon Region

The 1994/95 GFR for the Yukon Region increased 5.5% from \$4.0 M to \$4.2 M. The NFR for this Region increased 8.45% from \$2.25 M to \$2.45 M. The distribution of the GFR between MTA/WWTP and asset O&M is shown in Figure 31. Comparisons of the Region's GFR by asset category are shown in Figures 32, 33 and 34.

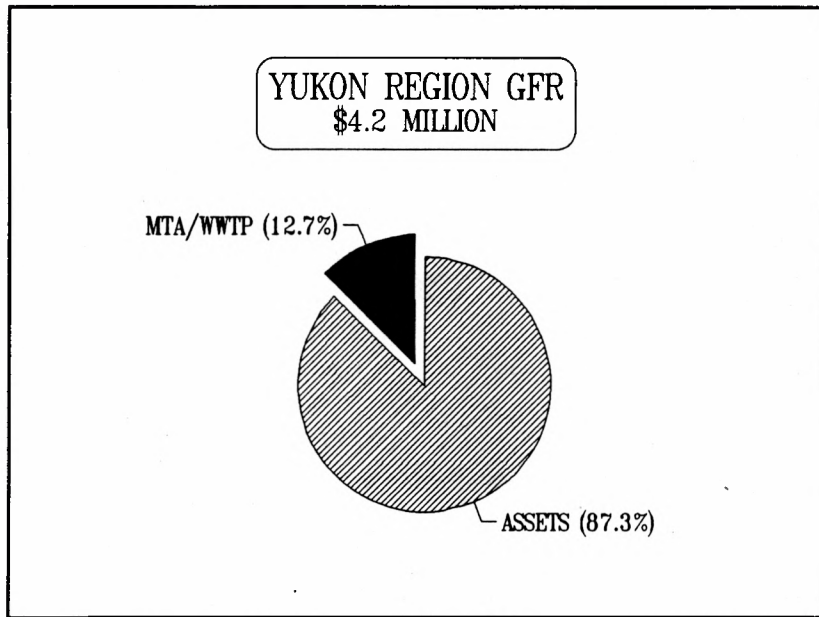


Figure 31. Distribution of Yukon Region GFR.

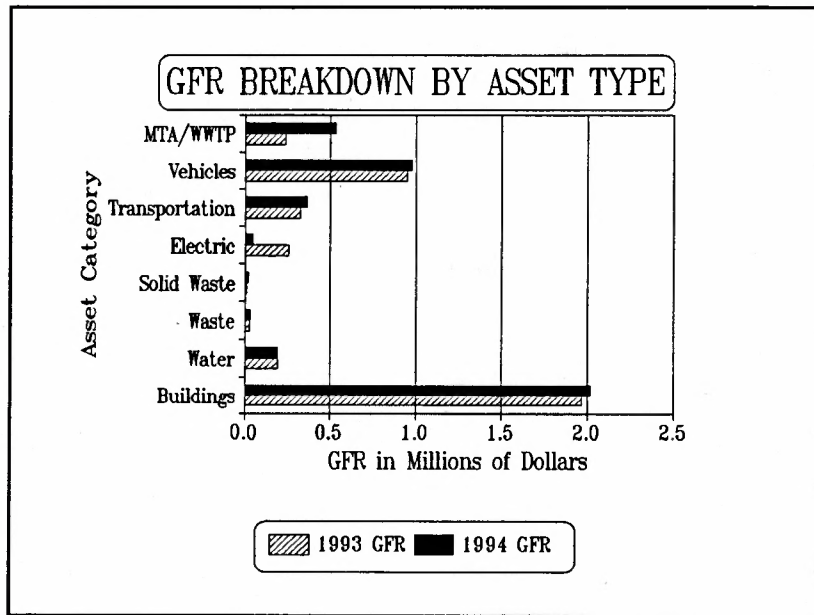


Figure 32. Comparison of Yukon Region GFR by Asset Category.

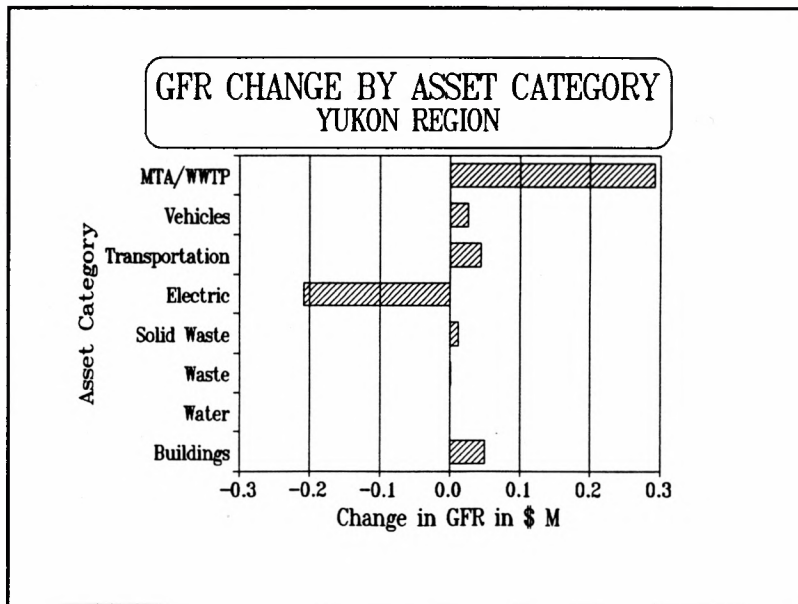


Figure 33. Change in Yukon Region GFR by Asset Category.

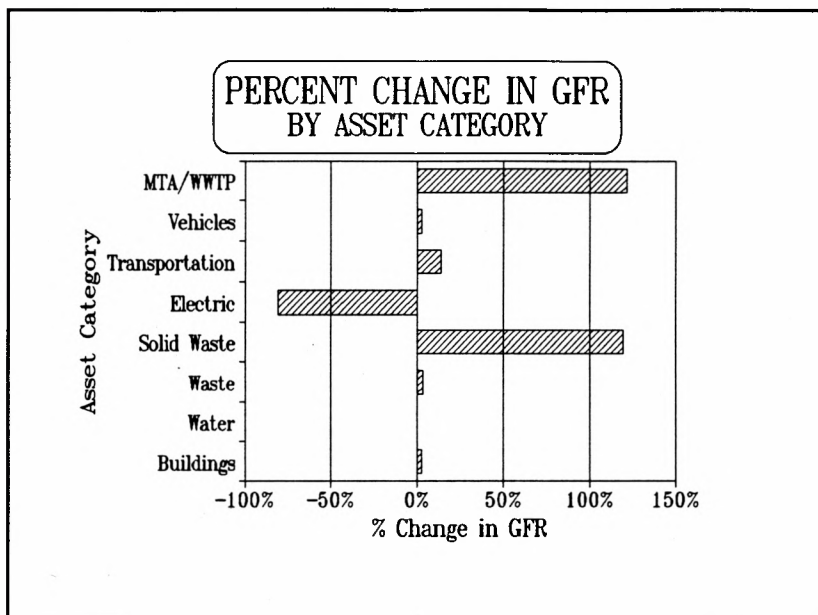


Figure 34. Percent Change in Yukon Region GFR by Asset Category.

Details of the GFR/NFR are tabulated in Appendices 8-1 and 8-2. Changes in the GFR are summarized below by asset category.

- **Buildings:** Increased 2.5% from \$1.97 M to \$2.02 M. A new school building and daycare centres contributed to most of the increase.
- **Water Supply:** Decreased 0.2% from \$194 K to \$193 K. The decrease is due primarily to the suspension of funding for a community well with a GCR of zero.
- **Waste Disposal:** Increased 3.4% from \$29.3 K to \$30.3 K. New septic/holding tanks and O&M price increase for gravity mains contributed to the increase.
- **Solid Waste:** Increased 119.6% from \$10.7 K to \$23.5 K. The increase due to a refuse site and a landfill site that were previously not entered in the inventory.
- **Electricity:** Decreased 80.9% from \$258 K to \$49.1 K. The decrease is the result of the transfer of the Good Hope Lake diesel generator to a MTA.
- **Transportation:** Increased 14% from \$320 K to \$365.1 K. New gravel roads account for most of the increase.
- **Vehicles:** Increased 2.8% from \$950 K to \$976.1 K. Two new liquid waste collection vehicles resulted in the increase.
- **MTA/WWTP:** Increased 121.7% from \$240 K to \$531.7 K. The large increase is due mainly to an electricity generation MTA for Good Hope Lake and agreements for municipal services at several sites that were previously covered by grants in lieu of taxes.

3.2.8 BC Region

The GFR for BC Region increased 2.38% from \$26.9 M to \$27.5 M. The NFR for the Region is \$20.44 M and is 2.18% higher than the previous NFR of \$20.00 M. The distribution of the GFR is 11% for MTA/WWTP and 89% for asset O&M (Figure 35). Comparisons of the Region's GFR by asset category are shown in Figures 36, 37 and 38.

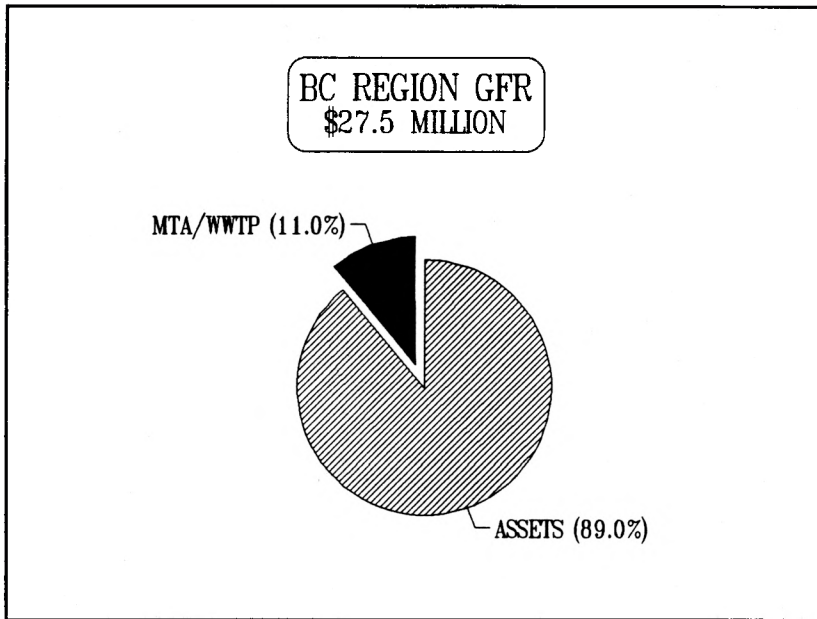


Figure 35. Distribution of BC Region GFR.

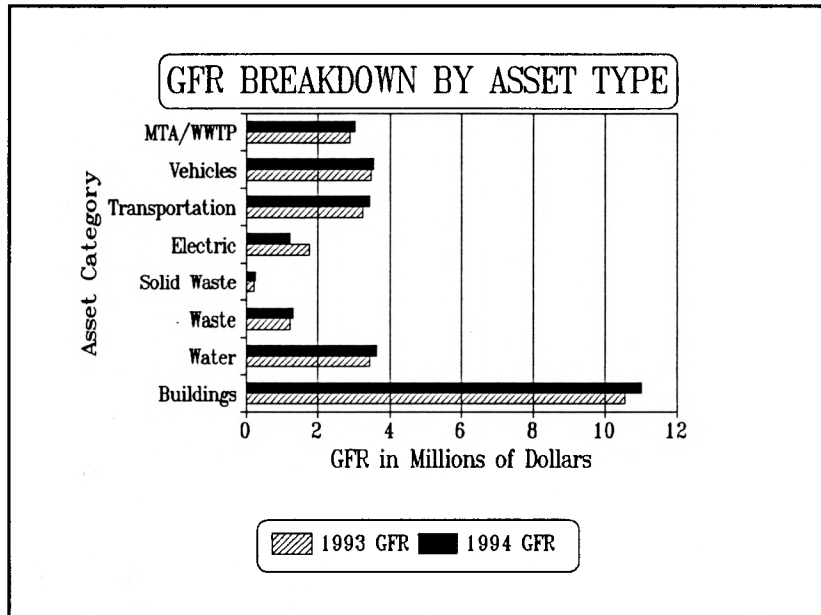


Figure 36. Comparison of BC Region GFR by Asset Category.

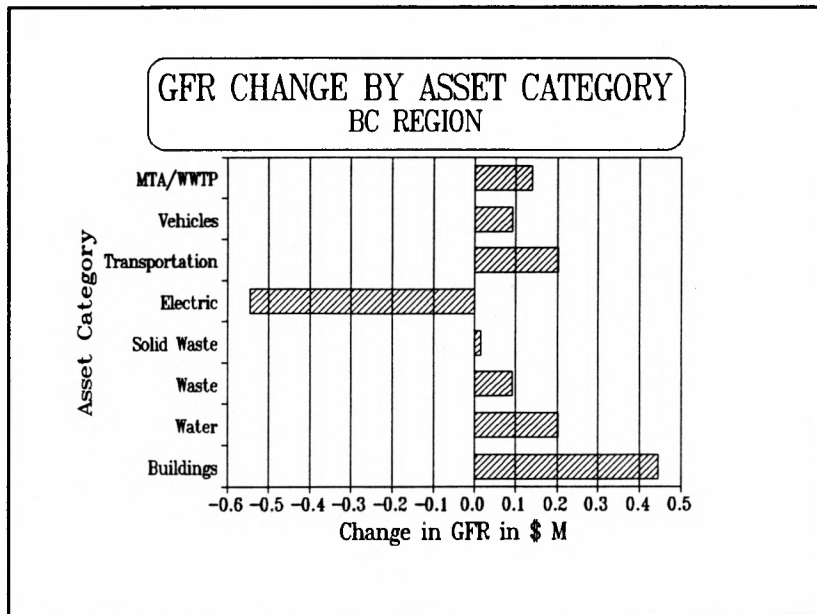


Figure 37. Change in BC Region GFR by Asset Category.

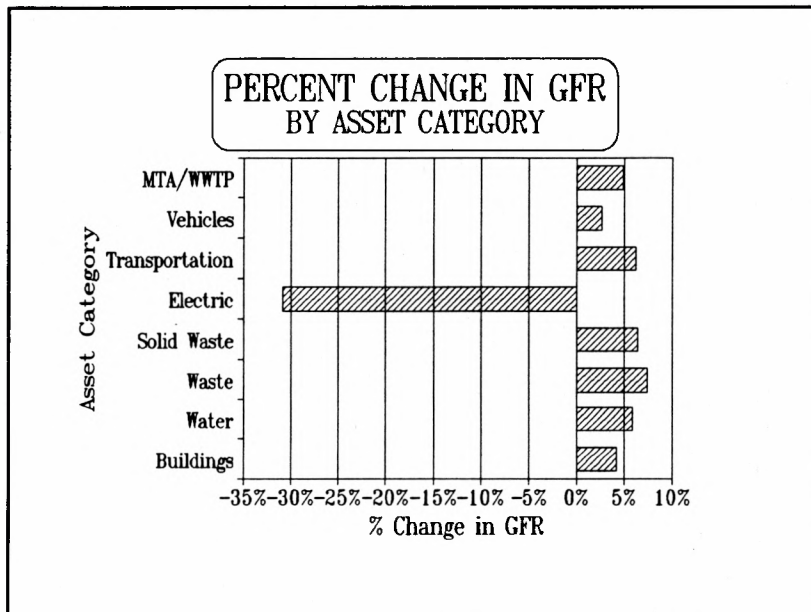


Figure 38. Percent Change in BC Region GFR by Asset Category.

The detailed GFR/NFR tables for BC Region are given in Appendices 9-1 and 9-2. The following is a summary of changes in the GFR by asset category:

- **Buildings:** Increased 4.2% from \$10.6 M to \$11.0 M. New construction of schools, teacherages and recreation centres contributed to most of the increase.
- **Water Supply:** Increased 5.9% from \$3.44 M to \$3.65 M. New water mains, water treatment facilities, community wells, and lift stations resulted in the increase.
- **Waste Disposal:** Increased 7.4% from \$1.23 M to \$1.32 M. Upgraded or new gravity mains, lift stations, sewage lagoons, and septic tanks account for the increase.
- **Solid Waste:** Increased 6.4% from \$244 K to \$260 K. A new landfill is the main reason for the increase.
- **Electricity:** Decreased 30.8% from \$1.77 M to \$1.22 M. A reduction in the O&M cost of diesel generators is a major factor in the decrease.
- **Transportation:** Increased 6.2% from \$3.25 M to \$3.45 M. Increases in gravel roads, surface treated roads, and paved roads are the main contributors to the variance.
- **Vehicles:** Increased 2.6% from \$3.47 M to \$3.56 M. A new triple-combination pumper contributed to the increase.
- **MTA/WWTP:** Increased 4.8% from \$2.89 M to \$3.03 M. Increases in solid waste disposal MTA are the primary cause of the increase.

4.0 CONCLUSIONS

Based on asset quantity and cost information in the CAIS as of May 15, 1993, the 1994/95 GFR and NFR in 1993/94 dollars are respectively \$220.4 M and \$168.0 M. The yearly increase in the GFR is 6.0% while that for the NFR is 5.7%.

The asset based GFR and NFR are respectively \$204 M and \$154.7 M, while the MTA/WWTP based GFR and NFR are respectively \$16.4 M and \$13.3 M.

The 6.0% (\$12.4 M) increase in the GFR is made up of a 4.5% (\$9.33 M) increase in asset volume and a 1.5% (\$3.06 M) increase in price. Because of a funding cap on MTA, the increase in MTA GFR is only \$200 K. In addition, the decision by HQ not to fund assets which have a general condition rating of zero resulted in a reduction of \$1.27 M in the NFR. These factors together with the freeze on the O&M unit costs for roads and schools kept the GFR increase to a modest 6.0%.

From the review and analysis carried out, we conclude that given the above stated funding restraints, the \$12.4 M increase in the GFR is representative of the year-over-year change in asset volume and price, and that the GFR for maintaining departmentally funded assets for 1994/95 should be \$220.4 M.

APPENDIX 1-1: NATIONAL GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY		93 GFR			QTY				COST							
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC				
												AMT	%			AMT	%			
EDUCATION																				
Schools	50810.7	51076.7	266.0	0.5%	53038.1	2227.4	4.4%	53304.1	2493.4	4.9%	616276.0	642569.0	26293.0	4.3%	46.83	46.83	0.00	0.0%		
Teacherages	7873.6	8067.9	194.3	2.5%	8612.7	739.1	9.4%	8807.0	933.4	11.9%	123148.0	129465.0	6317.0	5.1%	11.91	12.09	0.18	1.5%		
Student Residences	3028.5	3116.1	87.6	2.9%	2959.3	-69.2	-2.3%	3046.9	18.4	0.6%	41429.0	39166.0	-2263.0	-5.5%	42.63	43.27	0.64	1.5%		
TOTAL EDUCATION	81712.8	62260.7	547.9	0.9%	84610.1	2897.3	4.7%	85158.0	3445.2	5.8%										
GROUP 1																				
FIRE																				
Fire Stations	1850.1	1887.5	37.4	2.0%	1982.8	132.7	7.2%	2020.2	170.1	9.2%	40241.0	41985.0	1744.0	4.3%	21.31	21.64	0.33	1.5%		
Mini-pumper	730.8	752.3	21.5	2.9%	763.9	33.1	4.5%	785.4	54.6	7.5%	91.0	97.0	6.0	6.6%	6500.00	6598.15	98.15	1.5%		
Triple-pumper	1754.4	1787.5	33.1	1.9%	1852.6	98.2	5.6%	1885.7	131.3	7.5%	208.0	221.0	13.0	6.3%	7320.00	7430.53	110.53	1.5%		
Fire MTA	932.2	888.3	-43.9	-4.7%	932.2	0.0	0.0%	888.3	-43.9	-4.7%	152.0	145.0	-7.0	-4.6%						
Total FIRE	5267.5	5315.8	48.1	0.9%	5531.5	264.0	5.0%	5579.6	312.1	5.9%										
ROADS																				
Earth Roads	2871.9	2901.3	29.4	1.0%	2917.0	45.1	1.6%	2946.4	74.5	2.6%	1251.0	1331.0	80.0	6.4%	2620.00	2620.00	0.00	0.0%		
Gravel Roads	25721.2	25816.5	95.3	0.4%	27029.7	1308.5	5.1%	27125.0	1403.8	5.5%	8151.0	8466.0	315.0	3.9%	3820.00	3820.00	0.00	0.0%		
Surface Treated Roads	837.0	840.2	3.2	0.4%	900.1	63.1	7.5%	903.3	66.3	7.9%	266.0	279.0	13.0	4.9%	3250.00	3250.00	0.00	0.0%		
Paved Roads	1971.5	1975.7	4.2	0.2%	2087.8	116.3	5.9%	2092.0	120.5	6.1%	599.0	632.0	33.0	5.5%	3250.00	3250.00	0.00	0.0%		
Vehicular Bridges	919.9	923.7	3.8	0.4%	932.0	12.1	1.3%	935.8	15.9	1.7%	36154.0	37167.0	1013.0	2.8%	25.00	25.00	0.00	0.0%		
Pedestrian Bridges	81.5	82.6	1.1	1.3%	85.3	3.8	4.7%	86.4	4.9	6.0%	2740.0	2803.0	63.0	2.3%	25.00	25.00	0.00	0.0%		
Large Culverts	88.2	88.4	0.2	0.2%	86.7	-1.5	-1.7%	86.9	-1.3	-1.5%	3489.0	3470.0	-19.0	-0.5%	25.00	25.00	0.00	0.0%		
Roads MTA	1913.0	1590.7	-322.3	-16.8%	1913.0	0.0	0.0%	1590.7	-322.3	-16.8%	37.0	48.0	11.0	29.7%						
Total ROADS	34404.2	34219.1	-185.1	-0.5%	35951.6	1547.4	4.5%	35786.5	1362.3	4.0%										
ELECTRICAL																				
Transmission	141.0	143.5	2.5	1.8%	141.0	0.0	0.0%	143.5	2.5	1.8%	48.0	48.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%		
Distribution	752.9	773.2	20.3	2.7%	747.5	-5.4	-0.7%	767.8	14.9	2.0%	117.0	119.0	2.0	1.7%	2240.00	2273.82	33.82	1.5%		
Street Lights	577.2	591.2	14.0	2.4%	628.1	50.9	8.8%	642.1	64.9	11.2%	3673.0	4128.0	455.0	12.4%	105.00	106.59	1.59	1.5%		
Generators	6343.7	6667.8	324.1	5.1%	6343.7	0.0	0.0%	6667.8	324.1	5.1%	70.0	82.0	12.0	17.1%						
Street Light MTA	444.9	620.6	175.7	39.5%	444.9	0.0	0.0%	620.6	175.7	39.5%	168.0	167.0	-1.0	-0.6%						
Electrical MTA	392.0	571.9	179.9	45.9%	392.0	0.0	0.0%	571.9	179.9	45.9%	2.0	2.0	0.0	0.0%						
Total ELECTRICAL	8651.7	9368.2	716.5	8.3%	8697.2	45.5	0.5%	9413.7	762.0	8.8%										
TOTAL GROUP 1	48323.4	48902.9	579.5	1.2%	50180.3	1856.9	3.8%	50759.8	2438.4	5.0%										

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY		93 GFR			QTY				COST							
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC				
												AMT	%			AMT	%			
EDUCATION																				
Schools	50810.7	51076.7	266.0	0.5%	53038.1	2227.4	4.4%	53304.1	2493.4	4.9%	616276.0	642569.0	26293.0	4.3%	46.83	46.83	0.00	0.0%		
Teacherages	7873.6	8067.9	194.3	2.5%	8612.7	739.1	9.4%	8807.0	933.4	11.9%	123148.0	129465.0	6317.0	5.1%	11.91	12.09	0.18	1.5%		
Student Residences	3028.5	3116.1	87.6	2.9%	2959.3	-69.2	-2.3%	3046.9	18.4	0.6%	41429.0	39166.0	-2263.0	-5.5%	42.63	43.27	0.64	1.5%		
TOTAL EDUCATION	81712.8	82260.7	547.9	0.9%	84610.1	2897.3	4.7%	85158.0	3445.2	5.8%										
GROUP 1																				
FIRE																				
Fire Stations	1850.1	1887.5	37.4	2.0%	1982.8	132.7	7.2%	2020.2	170.1	9.2%	40241.0	41985.0	1744.0	4.3%	21.31	21.64	0.33	1.5%		
Mini-pumper	730.8	752.3	21.5	2.9%	763.9	33.1	4.5%	785.4	54.6	7.5%	91.0	97.0	6.0	6.6%	6500.00	6598.15	98.15	1.5%		
Triple-pumper	1754.4	1787.5	33.1	1.9%	1852.6	98.2	5.6%	1885.7	131.3	7.5%	208.0	221.0	13.0	6.3%	7320.00	7430.53	110.53	1.5%		
Fire MTA	932.2	888.3	-43.9	-4.7%	932.2	0.0	0.0%	888.3	-43.9	-4.7%	152.0	145.0	-7.0	-4.6%						
Total FIRE	5267.5	5315.8	48.1	0.9%	5531.5	264.0	5.0%	5579.6	312.1	5.9%										
ROADS																				
Earth Roads	2871.9	2901.3	29.4	1.0%	2917.0	45.1	1.6%	2946.4	74.5	2.6%	1251.0	1331.0	80.0	6.4%	2620.00	2620.00	0.00	0.0%		
Gravel Roads	25721.2	25816.5	95.3	0.4%	27029.7	1308.5	5.1%	27125.0	1403.8	5.5%	8151.0	8466.0	315.0	3.9%	3820.00	3820.00	0.00	0.0%		
Surface Treated Roads	837.0	840.2	3.2	0.4%	900.1	63.1	7.5%	903.3	66.3	7.9%	266.0	279.0	13.0	4.9%	3250.00	3250.00	0.00	0.0%		
Paved Roads	1971.5	1975.7	4.2	0.2%	2087.8	116.3	5.9%	2092.0	120.5	6.1%	599.0	632.0	33.0	5.5%	3250.00	3250.00	0.00	0.0%		
Vehicular Bridges	919.9	923.7	3.8	0.4%	932.0	12.1	1.3%	935.8	15.9	1.7%	36154.0	37167.0	1013.0	2.8%	25.00	25.00	0.00	0.0%		
Pedestrian Bridges	81.5	82.6	1.1	1.3%	85.3	3.8	4.7%	86.4	4.9	6.0%	2740.0	2803.0	63.0	2.3%	25.00	25.00	0.00	0.0%		
Large Culverts	88.2	88.4	0.2	0.2%	86.7	-1.5	-1.7%	86.9	-1.3	-1.5%	3489.0	3470.0	-19.0	-0.5%	25.00	25.00	0.00	0.0%		
Roads MTA	1913.0	1590.7	-322.3	-16.8%	1913.0	0.0	0.0%	1590.7	-322.3	-16.8%	37.0	48.0	11.0	29.7%						
Total ROADS	34404.2	34219.1	-185.1	-0.5%	35951.6	1547.4	4.5%	35786.5	1362.3	4.0%										
ELECTRICAL																				
Transmission	141.0	143.5	2.5	1.8%	141.0	0.0	0.0%	143.5	2.5	1.8%	48.0	48.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%		
Distribution	752.9	773.2	20.3	2.7%	747.5	-5.4	-0.7%	767.8	14.9	2.0%	117.0	119.0	2.0	1.7%	2240.00	2273.82	33.82	1.5%		
Street Lights	577.2	591.2	14.0	2.4%	628.1	50.9	8.8%	642.1	64.9	11.2%	3673.0	4128.0	455.0	12.4%	105.00	106.59	1.59	1.5%		
Generators	6343.7	6667.8	324.1	5.1%	6343.7	0.0	0.0%	6667.8	324.1	5.1%	70.0	82.0	12.0	17.1%						
Street Light MTA	444.9	620.6	175.7	39.5%	444.9	0.0	0.0%	620.6	175.7	39.5%	168.0	167.0	-1.0	-0.6%						
Electrical MTA	392.0	571.9	179.9	45.9%	392.0	0.0	0.0%	571.9	179.9	45.9%	2.0	2.0	0.0	0.0%						
Total ELECTRICAL	8651.7	9368.2	716.5	8.3%	8697.2	45.5	0.5%	9413.7	762.0	8.8%										
TOTAL GROUP 1	48323.4	48902.9	579.5	1.2%	50180.3	1856.9	3.8%	50759.8	2438.4	5.0%										

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY		92\$93BY		93 GFR			QTY				COST						
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC			
												AMT	%			AMT	%	AMT	%
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	4503.8	4616.2	112.4	2.5%	4944.7	440.9	9.8%	5057.1	553.3	12.3%	1978023.0	2219034.0	241011.0	12.2%	1.82	1.85	0.03	1.6%	
- watermains-heated	218.0	223.9	5.9	2.7%	249.9	31.9	14.6%	255.8	37.8	17.3%	57644.0	64148.0	6504.0	11.3%	2.97	3.01	0.04	1.3%	
- storage reservoirs	416.2	425.4	9.2	2.2%	439.2	23.0	5.5%	448.4	32.2	7.7%	510.0	546.0	36.0	7.1%	650.00	659.82	9.82	1.5%	
- standpipes	367.5	377.8	10.3	2.8%	344.8	-22.7	-6.2%	355.1	-12.4	-3.4%	396.0	385.0	-11.0	-2.8%	640.00	649.66	9.66	1.5%	
Pumphouses	0.0	0.0																	
- community wells	3635.1	3713.8	78.7	2.2%	3606.6	-28.5	-0.8%	3685.3	50.2	1.4%	1144.0	1205.0	61.0	5.3%	2700.00	2740.77	40.77	1.5%	
- low level lift	882.8	901.7	18.9	2.1%	904.1	21.3	2.4%	923.0	40.2	4.6%	199.0	206.0	7.0	3.5%	3440.00	3491.94	51.94	1.5%	
- high lift	4017.3	4093.7	76.4	1.9%	3958.4	-58.9	-1.5%	4034.8	17.5	0.4%	411.0	412.0	1.0	0.2%	7900.00	8019.29	119.29	1.5%	
Treatment Facilities																			
- system	1412.8	1436.8	24.0	1.7%	1583.4	170.6	12.1%	1607.4	194.6	13.8%	62.0	69.0	7.0	11.3%	18240.00	18515.42	275.42	1.5%	
- unit	954.1	977.2	23.1	2.4%	1008.7	54.6	5.7%	1031.8	77.7	8.1%	257.0	273.0	16.0	6.2%	3000.00	3045.30	45.30	1.5%	
Water MTA	5663.0	5754.9	91.9	1.6%	5663.0	0.0	0.0%	5754.9	91.9	1.6%	176.0	308.0	132.0	75.0%					
Water Delivery	7241.3	7361.1	119.8	1.7%	7632.5	391.2	5.4%	7752.3	511.0	7.1%	160.0	172.0	12.0	7.5%	38300.00	38878.33	578.33	1.5%	
Water Delivery (Unmod)	173.6	178.1	4.5	2.6%	224.4	50.8	29.3%	228.9	55.3	31.9%	6.0	8.0	2.0	33.3%	21860.00	22190.09	330.09	1.5%	
Total WATER	29485.5	30060.6	575.1	2.0%	30559.7	1074.2	3.6%	31134.8	1649.3	5.6%									
WASTEWATER																			
Collection																			
- gravity mains	1074.4	1102.3	27.9	2.6%	1190.0	115.6	10.8%	1217.9	143.5	13.4%	889872.0	986715.0	96843.0	10.9%	0.94	0.96	0.02	2.1%	
Lift Stations	2589.9	2645.3	55.4	2.1%	2855.6	265.7	10.3%	2911.0	321.1	12.4%	344.0	389.0	45.0	13.1%	5850.00	5938.34	88.34	1.5%	
Treatment and Disposal																			
- RBC/trickling filter	838.8	854.7	15.9	1.9%	912.6	73.8	8.8%	928.5	89.7	10.7%	37.0	43.0	6.0	16.2%	16700.00	16952.17	252.17	1.5%	
- extended aeration	483.7	494.0	10.3	2.1%	502.6	18.9	3.9%	512.9	29.2	6.0%	19.0	20.0	1.0	5.3%	18990.00	19276.75	286.75	1.5%	
- sewage lagoon	828.9	844.1	15.2	1.8%	843.0	14.1	1.7%	858.2	29.3	3.5%	211.0	218.0	7.0	3.3%	3340.00	3390.43	50.43	1.5%	
- aerated lagoon	166.8	170.0	3.2	1.9%	197.9	31.1	18.6%	201.1	34.3	20.6%	18.0	22.0	4.0	22.2%	7330.00	7440.68	110.68	1.5%	
- septic/holding tank	270.5	276.8	6.3	2.3%	272.2	1.7	0.6%	278.5	8.0	3.0%	707.0	744.0	37.0	5.2%	300.00	304.53	4.53	1.5%	
- jet pump disposal	62.1	63.3	1.2	1.9%	62.4	0.3	0.5%	63.6	1.5	2.4%	77.0	79.0	2.0	2.6%	710.00	720.72	10.72	1.5%	
Wastewater MTA	2770.2	2333.9	-436.3	-15.7%	2770.2	0.0	0.0%	2333.9	-436.3	-15.7%	143.0	186.0	43.0	30.1%					
Liquid Waste Coll.	3213.1	3256.9	43.8	1.4%	3658.8	445.7	13.9%	3702.6	489.5	15.2%	69.0	79.0	10.0	14.5%	38500.00	39081.35	581.35	1.5%	
Liq Waste Coll. (Unmod)	346.2	353.1	6.9	2.0%	420.6	74.4	21.5%	427.5	81.3	23.5%	11.0	13.0	2.0	18.2%	21860.00	22190.09	330.09	1.5%	
Total WASTEWATER	12644.6	12394.4	-250.2	-2.0%	13685.9	1041.3	8.2%	13435.7	791.1	6.3%									

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	INC	AMT	%	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC		
														AMT	%			AMT	%	
GROUP 2																				
WATER SUPPLY																				
Systems																				
- watermains-unheated	4503.8	4616.2	112.4	2.5%	4944.7	440.9	9.8%	5057.1	553.3	12.3%	1978023.0	2219034.0	241011.0	12.2%	1.82	1.85	0.03	1.6%		
- watermains-heated	218.0	223.9	5.9	2.7%	249.9	31.9	14.6%	255.8	37.8	17.3%	57644.0	64148.0	6504.0	11.3%	2.97	3.01	0.04	1.3%		
- storage reservoirs	416.2	425.4	9.2	2.2%	439.2	23.0	5.5%	448.4	32.2	7.7%	510.0	546.0	36.0	7.1%	650.00	659.82	9.82	1.5%		
- standpipes	367.5	377.8	10.3	2.8%	344.8	-22.7	-6.2%	355.1	-12.4	-3.4%	396.0	385.0	-11.0	-2.8%	640.00	649.66	9.66	1.5%		
Pumphouses	0.0	0.0																		
- community wells	3635.1	3713.8	78.7	2.2%	3606.6	-28.5	-0.8%	3685.3	50.2	1.4%	1144.0	1205.0	61.0	5.3%	2700.00	2740.77	40.77	1.5%		
- low level lift	882.8	901.7	18.9	2.1%	904.1	21.3	2.4%	923.0	40.2	4.6%	199.0	206.0	7.0	3.5%	3440.00	3491.94	51.94	1.5%		
- high lift	4017.3	4093.7	76.4	1.9%	3958.4	-58.9	-1.5%	4034.8	17.5	0.4%	411.0	412.0	1.0	0.2%	7900.00	8019.29	119.29	1.5%		
Treatment Facilities																				
- system	1412.8	1436.8	24.0	1.7%	1583.4	170.6	12.1%	1607.4	194.6	13.8%	62.0	69.0	7.0	11.3%	18240.00	18515.42	275.42	1.5%		
- unit	954.1	977.2	23.1	2.4%	1008.7	54.6	5.7%	1031.8	77.7	8.1%	257.0	273.0	16.0	6.2%	3000.00	3045.30	45.30	1.5%		
Water MTA	5663.0	5754.9	91.9	1.6%	5663.0	0.0	0.0%	5754.9	91.9	1.6%	176.0	308.0	132.0	75.0%						
Water Delivery	7241.3	7361.1	119.8	1.7%	7632.5	391.2	5.4%	7752.3	511.0	7.1%	160.0	172.0	12.0	7.5%	38300.00	38878.33	578.33	1.5%		
Water Delivery (Unmod)	173.6	178.1	4.5	2.6%	224.4	50.8	29.3%	228.9	55.3	31.9%	6.0	8.0	2.0	33.3%	21860.00	22190.09	330.09	1.5%		
Total WATER	29485.5	30060.6	575.1	2.0%	30559.7	1074.2	3.6%	31134.8	1649.3	5.6%										
WASTEWATER																				
Collection																				
- gravity mains	1074.4	1102.3	27.9	2.6%	1190.0	115.6	10.8%	1217.9	143.5	13.4%	889872.0	986715.0	96843.0	10.9%	0.94	0.96	0.02	2.1%		
Lift Stations	2589.9	2645.3	55.4	2.1%	2855.6	265.7	10.3%	2911.0	321.1	12.4%	344.0	389.0	45.0	13.1%	5850.00	5938.34	88.34	1.5%		
Treatment and Disposal																				
- RBC/trickling filter	838.8	854.7	15.9	1.9%	912.6	73.8	8.8%	928.5	89.7	10.7%	37.0	43.0	6.0	16.2%	16700.00	16952.17	252.17	1.5%		
- extended aeration	483.7	494.0	10.3	2.1%	502.6	18.9	3.9%	512.9	29.2	6.0%	19.0	20.0	1.0	5.3%	18990.00	19276.75	286.75	1.5%		
- sewage lagoon	828.9	844.1	15.2	1.8%	843.0	14.1	1.7%	858.2	29.3	3.5%	211.0	218.0	7.0	3.3%	3340.00	3390.43	50.43	1.5%		
- aerated lagoon	166.8	170.0	3.2	1.9%	197.9	31.1	18.6%	201.1	34.3	20.6%	18.0	22.0	4.0	22.2%	7330.00	7440.68	110.68	1.5%		
- septic/holding tank	270.5	276.8	6.3	2.3%	272.2	1.7	0.6%	278.5	8.0	3.0%	707.0	744.0	37.0	5.2%	300.00	304.53	4.53	1.5%		
- jet pump disposal	62.1	63.3	1.2	1.9%	62.4	0.3	0.5%	63.6	1.5	2.4%	77.0	79.0	2.0	2.6%	710.00	720.72	10.72	1.5%		
Wastewater MTA	2770.2	2333.9	-436.3	-15.7%	2770.2	0.0	0.0%	2333.9	-436.3	-15.7%	143.0	186.0	43.0	30.1%						
Liquid Waste Coll.	3213.1	3256.9	43.8	1.4%	3658.8	445.7	13.9%	3702.6	489.5	15.2%	69.0	79.0	10.0	14.5%	38500.00	39081.35	581.35	1.5%		
Liq Waste Coll. (Unmod)	346.2	353.1	6.9	2.0%	420.6	74.4	21.5%	427.5	81.3	23.5%	11.0	13.0	2.0	18.2%	21860.00	22190.09	330.09	1.5%		
Total WASTEWATER	12644.6	12394.4	-250.2	-2.0%	13685.9	1041.3	8.2%	13435.7	791.1	6.3%										

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	INC	AMT	%	AMT	INC	AMT	%	AMT	INC	92	93	INC		92	93	INC		
														AMT	%			AMT	%	
SOLID WASTE																				
Landfill	1478.9	1502.3	23.4	1.6%	1435.5	-43.4	-2.9%	1458.9	-20.0	-1.4%	142.0	145.0	3.0	2.1%	8150.00	8273.07	123.07	1.5%		
Refuse Site	517.5	529.6	12.1	2.3%	460.0	-57.5	-11.1%	472.1	-45.4	-8.8%	202.0	198.0	-4.0	-2.0%	2000.00	2030.20	30.20	1.5%		
Incinerator	180.0	184.2	4.2	2.3%	180.0	0.0	0.0%	184.2	4.2	2.3%	9.0	9.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%		
Solid Waste MTA	3674.9	3987.1	312.2	8.5%	3674.9	0.0	0.0%	3987.1	312.2	8.5%	303.0	328.0	25.0	8.3%						
Refuse Coll. Truck	2004.7	2018.7	14.0	0.7%	2289.4	284.7	14.2%	2303.4	298.7	14.9%	45.0	52.0	7.0	15.6%	39330.00	39923.88	593.88	1.5%		
Ref. Coll. Tr (Unmod)	4362.5	4469.9	107.4	2.5%	4297.1	-65.4	-1.5%	4404.5	42.0	1.0%	149.0	150.0	1.0	0.7%	21860.00	22190.09	330.09	1.5%		
Total SOLID WASTE	12218.5	12691.8	473.3	3.9%	12336.9	118.4	1.0%	12810.2	591.7	4.8%										
OTHER																				
Utility	1972.2	2019.9	47.7	2.4%	2239.4	267.2	13.5%	2287.1	314.9	16.0%	43170.0	47103.0	3933.0	9.1%	16.23	16.48	0.25	1.5%		
Other MTA	154.1	380.1	226.0	146.6%	154.1	0.0	0.0%	380.1	226.0	146.6%	6.0	21.0	15.0	250.0%						
Total OTHER	2126.3	2400.0	273.7	12.9%	2393.5	267.2	12.6%	2667.2	540.9	25.4%										
TOTAL GROUP 2	56474.9	57546.8	1071.9	1.9%	58976.0	2501.1	4.4%	60047.9	3573.0	6.3%										
GROUP 3																				
Administrative	14720.8	15008.5	287.7	2.0%	15513.5	792.7	5.4%	15801.2	1080.4	7.3%	229278.0	240580.0	11302.0	4.9%	38.36	38.94	0.58	1.5%		
Daycare Center	1592.6	1618.5	25.9	1.6%	1758.2	165.6	10.4%	1784.1	191.5	12.0%	24127.0	26065.0	1938.0	8.0%	46.83	47.54	0.71	1.5%		
Recreational	17063.9	17426.8	362.9	2.1%	17275.6	211.7	1.2%	17638.5	574.6	3.4%	469977.0	488018.0	18041.0	3.8%	24.37	24.74	0.37	1.5%		
Operative	7895.7	8072.1	176.4	2.2%	8781.1	885.4	11.2%	8957.5	1061.8	13.4%	213168.0	232626.0	19458.0	9.1%	16.01	16.25	0.24	1.5%		
TOTAL GROUP 3	41273.0	42125.9	852.9	2.1%	43328.4	2055.4	5.0%	44181.3	2908.3	7.0%										
GROUP 4																				
Wastewater Trtmt PGM	244.4	248.1	3.7	1.5%	261.5	17.2	7.0%	265.2	20.9	8.5%	285.0	303.0	18.0	6.3%	876.97	890.21	13.24	1.5%		
TOTAL GROUP 4	244.4	248.1	3.7	1.5%	261.5	17.2	7.0%	265.2	20.9	8.5%										
NATIONAL TOTALS	208028.5	211084.4	3055.9	1.5%	7307.8	9327.9	4.5%	220412.2	12383.8	6.0%										

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY		93 GFR			QTY				COST							
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC				
												AMT	%			AMT	%			
SOLID WASTE																				
Landfill	1478.9	1502.3	23.4	1.6%	1435.5	-43.4	-2.9%	1458.9	-20.0	-1.4%	142.0	145.0	3.0	2.1%	8150.00	8273.07	123.07	1.5%		
Refuse Site	517.5	529.6	12.1	2.3%	460.0	-57.5	-11.1%	472.1	-45.4	-8.8%	202.0	198.0	-4.0	-2.0%	2000.00	2030.20	30.20	1.5%		
Incinerator	180.0	184.2	4.2	2.3%	180.0	0.0	0.0%	184.2	4.2	2.3%	9.0	9.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%		
Solid Waste MTA	3674.9	3987.1	312.2	8.5%	3674.9	0.0	0.0%	3987.1	312.2	8.5%	303.0	328.0	25.0	8.3%						
Refuse Coll. Truck	2004.7	2018.7	14.0	0.7%	2289.4	284.7	14.2%	2303.4	298.7	14.9%	45.0	52.0	7.0	15.6%	39330.00	39923.88	593.88	1.5%		
Ref. Coll. Tr (Unmod)	4362.5	4469.9	107.4	2.5%	4297.1	-65.4	-1.5%	4404.5	42.0	1.0%	149.0	150.0	1.0	0.7%	21860.00	22190.09	330.09	1.5%		
Total SOLID WASTE	12218.5	12691.8	473.3	3.9%	12336.9	118.4	1.0%	12810.2	591.7	4.8%										
OTHER																				
Utility	1972.2	2019.9	47.7	2.4%	2239.4	267.2	13.5%	2287.1	314.9	16.0%	43170.0	47103.0	3933.0	9.1%	16.23	16.48	0.25	1.5%		
Other MTA	154.1	380.1	226.0	146.6%	154.1	0.0	0.0%	380.1	226.0	146.6%	6.0	21.0	15.0	250.0%						
Total OTHER	2126.3	2400.0	273.7	12.9%	2393.5	267.2	12.6%	2667.2	540.9	25.4%										
TOTAL GROUP 2	56474.9	57546.8	1071.9	1.9%	58976.0	2501.1	4.4%	60047.9	3573.0	6.3%										
GROUP 3																				
Administrative	14720.8	15008.5	287.7	2.0%	15513.5	792.7	5.4%	15801.2	1080.4	7.3%	229278.0	240580.0	11302.0	4.9%	38.36	38.94	0.58	1.5%		
Daycare Center	1592.6	1618.5	25.9	1.6%	1758.2	165.6	10.4%	1784.1	191.5	12.0%	24127.0	26065.0	1938.0	8.0%	46.83	47.54	0.71	1.5%		
Recreational	17063.9	17426.8	362.9	2.1%	17275.6	211.7	1.2%	17638.5	574.6	3.4%	469977.0	488018.0	18041.0	3.8%	24.37	24.74	0.37	1.5%		
Operative	7895.7	8072.1	176.4	2.2%	8781.1	885.4	11.2%	8957.5	1061.8	13.4%	213168.0	232626.0	19458.0	9.1%	16.01	16.25	0.24	1.5%		
TOTAL GROUP 3	41273.0	42125.9	852.9	2.1%	43328.4	2055.4	5.0%	44181.3	2908.3	7.0%										
GROUP 4																				
Wastewater Trtmt PGM	244.4	248.1	3.7	1.5%	261.5	17.2	7.0%	265.2	20.9	8.5%	285.0	303.0	18.0	6.3%	876.97	890.21	13.24	1.5%		
TOTAL GROUP 4	244.4	248.1	3.7	1.5%	261.5	17.2	7.0%	265.2	20.9	8.5%										
NATIONAL TOTALS	208028.5	211084.4	3055.9	1.5%	7307.8	9327.9	4.5%	220412.2	12383.8	6.0%										

APPENDIX 1-2: NATIONAL NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC				
						AMT	%			AMT	%				AMT	%		AMT	%
EDUCATION																			
Schools	50810.7	53304.1	2493.4	4.9%	616276.0	642569.0	26293.0	4.3%	46.83	46.83	0.00	0.0%	1.0	50810.7	53304.1	2493.4	4.9%	SQ M	
Teacherages	7873.6	8807.0	933.4	11.9%	123148.0	129465.0	6317.0	5.1%	11.91	12.09	0.18	1.5%	1.0	7873.6	8807.0	933.4	11.9%	SQ M	
Student Residences	3028.5	3046.9	18.4	0.6%	41429.0	39166.0	-2263.0	-5.5%	42.63	43.27	0.64	1.5%	1.0	3028.5	3046.9	18.4	0.6%	SQ M	
TOTAL EDUCATION	61712.8	65158.0	3445.2	5.6%										61712.8	65158.0	3445.2	5.6%		
GROUP 1																			
FIRE																			
Fire Stations	1850.1	2020.2	170.1	9.2%	40241.0	41985.0	1744.0	4.3%	21.31	21.64	0.33	1.5%	0.9	1665.1	1818.2	153.1	9.2%	SQ M	
Mini-pumper	730.8	785.4	54.6	7.5%	91.0	97.0	6.0	6.6%	6500.00	6598.15	98.15	1.5%	0.9	657.7	706.9	49.1	7.5%	EACH	
Triple-pumper	1754.4	1885.7	131.3	7.5%	208.0	221.0	13.0	6.3%	7320.00	7430.53	110.53	1.5%	0.9	1579.0	1697.1	118.2	7.5%	EACH	
Fire MTA	932.2	888.3	-43.9	-4.7%	152.0	145.0	-7.0	-4.6%					0.9	839.0	799.5	-39.5	-4.7%	EACH	
Total FIRE	5267.5	5579.6	312.1	5.9%										4740.8	5021.6	280.9	5.9%		
ROADS																			
Earth Roads	2871.9	2946.4	74.5	2.6%	1251.0	1331.0	80.0	6.4%	2620.00	2620.00	0.00	0.0%	0.9	2584.7	2651.8	67.1	2.6%	KM	
Gravel Roads	25721.2	27125.0	1403.8	5.5%	8151.0	8466.0	315.0	3.9%	3820.00	3820.00	0.00	0.0%	0.9	23149.1	24412.5	1263.4	5.5%	KM	
Surface Treated Roads	837.0	903.3	66.3	7.9%	266.0	279.0	13.0	4.9%	3250.00	3250.00	0.00	0.0%	0.9	753.3	813.0	59.7	7.9%	KM	
Paved Roads	1971.5	2092.0	120.5	6.1%	599.0	632.0	33.0	5.5%	3250.00	3250.00	0.00	0.0%	0.9	1774.4	1882.8	108.4	6.1%	KM	
Vehicular Bridges	919.9	935.8	15.9	1.7%	36154.0	37167.0	1013.0	2.8%	25.00	25.00	0.00	0.0%	0.9	827.9	842.2	14.3	1.7%	SQ M	
Pedestrian Bridges	81.5	86.4	4.9	6.0%	2740.0	2803.0	63.0	2.3%	25.00	25.00	0.00	0.0%	0.9	73.4	77.8	4.4	6.0%	SQ M	
Large Culverts	88.2	86.9	-1.3	-1.5%	3489.0	3470.0	-19.0	-0.5%	25.00	25.00	0.00	0.0%	0.9	79.4	78.2	-1.2	-1.5%	SQ M	
Roads MTA	1913.0	1590.7	-322.3	-16.8%	37.0	48.0	11.0	29.7%					0.9	1721.7	1431.6	-290.1	-16.8%	EACH	
Total ROADS	34404.2	35766.5	1362.3	4.0%										30963.8	32189.9	1226.1	4.0%		
ELECTRICAL																			
Transmission	141.0	143.5	2.5	1.8%	48.0	48.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%	0.9	126.9	129.2	2.3	1.8%	KM	
Distribution	752.9	767.8	14.9	2.0%	117.0	119.0	2.0	1.7%	2240.00	2273.82	33.82	1.5%	0.9	677.6	691.0	13.4	2.0%	KM	
Street Lights	577.2	642.1	64.9	11.2%	3673.0	4128.0	455.0	12.4%	105.00	106.59	1.59	1.5%	0.9	519.5	577.9	58.4	11.2%	EACH	
Generators	6343.7	6667.8	324.1	5.1%	70.0	82.0	12.0	17.1%					0.9	5709.4	6001.0	291.7	5.1%	EACH	
Street Light MTA	444.9	620.6	175.7	39.5%	168.0	167.0	-1.0	-0.6%					0.9	400.4	558.5	158.2	39.5%	EACH	
Electrical MTA	392.0	571.9	179.9	45.9%	2.0	2.0	0.0	0.0%					0.9	352.8	514.7	161.9	45.9%	EACH	
Total ELECTRICAL	8651.7	9413.7	762.0	8.8%										7786.5	8472.3	685.8	8.8%		
TOTAL GROUP 1	48323.4	50759.8	2436.4	5.0%										43491.1	45683.8	2192.7	5.0%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC				
						AMT	%			AMT	%				AMT	%		AMT	%
EDUCATION																			
Schools	50810.7	53304.1	2493.4	4.9%	616276.0	642569.0	26293.0	4.3%	46.83	46.83	0.00	0.0%	1.0	50810.7	53304.1	2493.4	4.9%	SQ M	
Teacherages	7873.6	8807.0	933.4	11.9%	123148.0	129465.0	6317.0	5.1%	11.91	12.09	0.18	1.5%	1.0	7873.6	8807.0	933.4	11.9%	SQ M	
Student Residences	3028.5	3046.9	18.4	0.6%	41429.0	39166.0	-2263.0	-5.5%	42.63	43.27	0.64	1.5%	1.0	3028.5	3046.9	18.4	0.6%	SQ M	
TOTAL EDUCATION	61712.8	65158.0	3445.2	5.6%										61712.8	65158.0	3445.2	5.6%		
GROUP 1																			
FIRE																			
Fire Stations	1850.1	2020.2	170.1	9.2%	40241.0	41985.0	1744.0	4.3%	21.31	21.64	0.33	1.5%	0.9	1665.1	1818.2	153.1	9.2%	SQ M	
Mini-pumper	730.8	785.4	54.6	7.5%	91.0	97.0	6.0	6.6%	6500.00	6598.15	98.15	1.5%	0.9	657.7	706.9	49.1	7.5%	EACH	
Triple-pumper	1754.4	1885.7	131.3	7.5%	208.0	221.0	13.0	6.3%	7320.00	7430.53	110.53	1.5%	0.9	1579.0	1697.1	118.2	7.5%	EACH	
Fire MTA	932.2	888.3	-43.9	-4.7%	152.0	145.0	-7.0	-4.6%					0.9	839.0	799.5	-39.5	-4.7%	EACH	
Total FIRE	5267.5	5579.6	312.1	5.9%										4740.8	5021.6	280.9	5.9%		
ROADS																			
Earth Roads	2871.9	2946.4	74.5	2.6%	1251.0	1331.0	80.0	6.4%	2620.00	2620.00	0.00	0.0%	0.9	2584.7	2651.8	67.1	2.6%	KM	
Gravel Roads	25721.2	27125.0	1403.8	5.5%	8151.0	8466.0	315.0	3.9%	3820.00	3820.00	0.00	0.0%	0.9	23149.1	24412.5	1263.4	5.5%	KM	
Surface Treated Roads	837.0	903.3	66.3	7.9%	266.0	279.0	13.0	4.9%	3250.00	3250.00	0.00	0.0%	0.9	753.3	813.0	59.7	7.9%	KM	
Paved Roads	1971.5	2092.0	120.5	6.1%	599.0	632.0	33.0	5.5%	3250.00	3250.00	0.00	0.0%	0.9	1774.4	1882.8	108.4	6.1%	KM	
Vehicular Bridges	919.9	935.8	15.9	1.7%	36154.0	37167.0	1013.0	2.8%	25.00	25.00	0.00	0.0%	0.9	827.9	842.2	14.3	1.7%	SQ M	
Pedestrian Bridges	81.5	86.4	4.9	6.0%	2740.0	2803.0	63.0	2.3%	25.00	25.00	0.00	0.0%	0.9	73.4	77.8	4.4	6.0%	SQ M	
Large Culverts	88.2	86.9	-1.3	-1.5%	3489.0	3470.0	-19.0	-0.5%	25.00	25.00	0.00	0.0%	0.9	79.4	78.2	-1.2	-1.5%	SQ M	
Roads MTA	1913.0	1590.7	-322.3	-16.8%	37.0	48.0	11.0	29.7%					0.9	1721.7	1431.6	-290.1	-16.8%	EACH	
Total ROADS	34404.2	35766.5	1362.3	4.0%										30963.8	32189.9	1226.1	4.0%		
ELECTRICAL																			
Transmission	141.0	143.5	2.5	1.8%	48.0	48.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%	0.9	126.9	129.2	2.3	1.8%	KM	
Distribution	752.9	767.8	14.9	2.0%	117.0	119.0	2.0	1.7%	2240.00	2273.82	33.82	1.5%	0.9	677.6	691.0	13.4	2.0%	KM	
Street Lights	577.2	642.1	64.9	11.2%	3673.0	4128.0	455.0	12.4%	105.00	106.59	1.59	1.5%	0.9	519.5	577.9	58.4	11.2%	EACH	
Generators	6343.7	6667.8	324.1	5.1%	70.0	82.0	12.0	17.1%					0.9	5709.4	6001.0	291.7	5.1%	EACH	
Street Light MTA	444.9	620.6	175.7	39.5%	168.0	167.0	-1.0	-0.6%					0.9	400.4	558.5	158.2	39.5%	EACH	
Electrical MTA	392.0	571.9	179.9	45.9%	2.0	2.0	0.0	0.0%					0.9	352.8	514.7	161.9	45.9%	EACH	
Total ELECTRICAL	8651.7	9413.7	762.0	8.8%										7786.5	8472.3	685.8	8.8%		
TOTAL GROUP 1	48323.4	50759.8	2436.4	5.0%										43491.1	45683.8	2192.7	5.0%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR AMT	93 GFR		QTY				COST				NFR						
			AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC			
							AMT	%			AMT	%				AMT		%	AMT
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	4503.8	5057.1	553.3	12.3%	1978023.0	2219034.0	241011.0	12.2%	1.82	1.85	0.03	1.6%	0.8	3603.0	4045.7	442.6	12.3%	M	
- watermains-heated	218.0	255.8	37.8	17.3%	57644.0	64148.0	6504.0	11.3%	2.97	3.01	0.04	1.3%	0.8	174.4	204.6	30.2	17.3%	M	
- storage reservoirs	416.2	448.4	32.2	7.7%	510.0	546.0	36.0	7.1%	650.00	659.82	9.82	1.5%	0.8	333.0	358.7	25.8	7.7%	EACH	
- standpipes	367.5	355.1	-12.4	-3.4%	396.0	385.0	-11.0	-2.8%	640.00	649.66	9.66	1.5%	0.8	294.0	284.1	-9.9	-3.4%	EACH	
Pumphouses	0.0																		
- community wells	3635.1	3685.3	50.2	1.4%	1144.0	1205.0	61.0	5.3%	2700.00	2740.77	40.77	1.5%	0.8	2908.1	2948.2	40.2	1.4%	EACH	
- low level lift	882.8	923.0	40.2	4.6%	199.0	206.0	7.0	3.5%	3440.00	3491.94	51.94	1.5%	0.8	706.2	738.4	32.2	4.6%	EACH	
- high lift	4017.3	4034.8	17.5	0.4%	411.0	412.0	1.0	0.2%	7900.00	8019.29	119.29	1.5%	0.8	3213.8	3227.8	14.0	0.4%	EACH	
Treatment Facilities																			
- system	1412.8	1607.4	194.6	13.8%	62.0	69.0	7.0	11.3%	18240.00	18515.42	275.42	1.5%	0.8	1130.2	1285.9	155.7	13.8%	EACH	
- unit	954.1	1031.8	77.7	8.1%	257.0	273.0	16.0	6.2%	3000.00	3045.30	45.30	1.5%	0.8	763.3	825.4	62.2	8.1%	EACH	
Water MTA	5663.0	5754.9	91.9	1.6%	176.0	308.0	132.0	75.0%					0.8	4530.4	4603.9	73.5	1.6%	EACH	
Water Delivery	7241.3	7752.3	511.0	7.1%	160.0	172.0	12.0	7.5%	38300.00	38878.33	578.33	1.5%	0.8	5793.0	6201.8	408.8	7.1%	EACH	
Water Delivery (Unmod)	173.6	228.9	55.3	31.9%	6.0	8.0	2.0	33.3%	21860.00	22190.09	330.09	1.5%	0.8	138.9	183.1	44.2	31.9%	EACH	
Total WATER	29485.5	31134.8	1649.3	5.6%										23588.4	24907.8	1319.4	5.6%		
WASTEWATER																			
Collection																			
- gravity mains	1074.4	1217.9	143.5	13.4%	889872.0	986715.0	96843.0	10.9%	0.94	0.96	0.02	2.1%	0.8	859.5	974.3	114.8	13.4%	M	
Lift Stations	2589.9	2911.0	321.1	12.4%	344.0	389.0	45.0	13.1%	5850.00	5938.34	88.34	1.5%	0.8	2071.9	2328.8	256.9	12.4%	EACH	
Treatment and Disposal																			
- RBC/trickling filter	838.8	928.5	89.7	10.7%	37.0	43.0	6.0	16.2%	16700.00	16952.17	252.17	1.5%	0.8	671.0	742.8	71.8	10.7%	EACH	
- extended aeration	483.7	512.9	29.2	6.0%	19.0	20.0	1.0	5.3%	18990.00	19276.75	286.75	1.5%	0.8	387.0	410.3	23.4	6.0%	EACH	
- sewage lagoon	828.9	858.2	29.3	3.5%	211.0	218.0	7.0	3.3%	3340.00	3390.43	50.43	1.5%	0.8	663.1	686.6	23.4	3.5%	EACH	
- aerated lagoon	166.8	201.1	34.3	20.6%	18.0	22.0	4.0	22.2%	7330.00	7440.68	110.68	1.5%	0.8	133.4	160.9	27.4	20.6%	EACH	
- septic/holding tank	270.5	278.5	8.0	3.0%	707.0	744.0	37.0	5.2%	300.00	304.53	4.53	1.5%	0.8	216.4	222.8	6.4	3.0%	EACH	
- jet pump disposal	62.1	63.6	1.5	2.4%	77.0	79.0	2.0	2.6%	710.00	720.72	10.72	1.5%	0.8	49.7	50.9	1.2	2.4%	EACH	
Wastewater MTA	2770.2	2333.9	-436.3	-15.7%	143.0	186.0	43.0	30.1%					0.8	2216.1	1867.1	-349.0	-15.7%	EACH	
Liquid Waste Coll.	3213.1	3702.6	489.5	15.2%	69.0	79.0	10.0	14.5%	38500.00	39081.35	581.35	1.5%	0.8	2570.5	2962.1	391.6	15.2%	EACH	
Liq Waste Coll (Unmod)	346.2	427.5	81.3	23.5%	11.0	13.0	2.0	18.2%	21860.00	22190.09	330.09	1.5%	0.8	277.0	342.0	65.0	23.5%	EACH	
Total WASTEWATER	12644.6	13435.7	791.1	6.3%										10115.7	10748.6	632.9	6.3%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR AMT	93 GFR		QTY				COST				NFR					
			AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	4503.8	5057.1	553.3	12.3%	1978023.0	2219034.0	241011.0	12.2%	1.82	1.85	0.03	1.6%	0.8	3603.0	4045.7	442.6	12.3%	M
- watermains-heated	218.0	255.8	37.8	17.3%	57644.0	64148.0	6504.0	11.3%	2.97	3.01	0.04	1.3%	0.8	174.4	204.6	30.2	17.3%	M
- storage reservoirs	416.2	448.4	32.2	7.7%	510.0	546.0	36.0	7.1%	650.00	659.82	9.82	1.5%	0.8	333.0	358.7	25.8	7.7%	EACH
- standpipes	367.5	355.1	-12.4	-3.4%	396.0	385.0	-11.0	-2.8%	640.00	649.66	9.66	1.5%	0.8	294.0	284.1	-9.9	-3.4%	EACH
Pumphouses	0.0																	
- community wells	3635.1	3685.3	50.2	1.4%	1144.0	1205.0	61.0	5.3%	2700.00	2740.77	40.77	1.5%	0.8	2908.1	2948.2	40.2	1.4%	EACH
- low level lift	882.8	923.0	40.2	4.6%	199.0	206.0	7.0	3.5%	3440.00	3491.94	51.94	1.5%	0.8	706.2	738.4	32.2	4.6%	EACH
- high lift	4017.3	4034.8	17.5	0.4%	411.0	412.0	1.0	0.2%	7900.00	8019.29	119.29	1.5%	0.8	3213.8	3227.8	14.0	0.4%	EACH
Treatment Facilities																		
- system	1412.8	1607.4	194.6	13.8%	62.0	69.0	7.0	11.3%	18240.00	18515.42	275.42	1.5%	0.8	1130.2	1285.9	155.7	13.8%	EACH
- unit	954.1	1031.8	77.7	8.1%	257.0	273.0	16.0	6.2%	3000.00	3045.30	45.30	1.5%	0.8	763.3	825.4	62.2	8.1%	EACH
Water MTA	5663.0	5754.9	91.9	1.6%	176.0	308.0	132.0	75.0%					0.8	4530.4	4603.9	73.5	1.6%	EACH
Water Delivery	7241.3	7752.3	511.0	7.1%	160.0	172.0	12.0	7.5%	38300.00	38878.33	578.33	1.5%	0.8	5793.0	6201.8	408.8	7.1%	EACH
Water Delivery (Unmod)	173.6	228.9	55.3	31.9%	6.0	8.0	2.0	33.3%	21860.00	22190.09	330.09	1.5%	0.8	138.9	183.1	44.2	31.9%	EACH
Total WATER	29485.5	31134.8	1649.3	5.6%										23588.4	24907.8	1319.4	5.6%	
WASTEWATER																		
Collection																		
- gravity mains	1074.4	1217.9	143.5	13.4%	889872.0	986715.0	96843.0	10.9%	0.94	0.96	0.02	2.1%	0.8	859.5	974.3	114.8	13.4%	M
Lift Stations	2589.9	2911.0	321.1	12.4%	344.0	389.0	45.0	13.1%	5850.00	5938.34	88.34	1.5%	0.8	2071.9	2328.8	256.9	12.4%	EACH
Treatment and Disposal																		
- RBC/trickling filter	838.8	928.5	89.7	10.7%	37.0	43.0	6.0	16.2%	16700.00	16952.17	252.17	1.5%	0.8	671.0	742.8	71.8	10.7%	EACH
- extended aeration	483.7	512.9	29.2	6.0%	19.0	20.0	1.0	5.3%	18990.00	19276.75	286.75	1.5%	0.8	387.0	410.3	23.4	6.0%	EACH
- sewage lagoon	828.9	858.2	29.3	3.5%	211.0	218.0	7.0	3.3%	3340.00	3390.43	50.43	1.5%	0.8	663.1	686.6	23.4	3.5%	EACH
- aerated lagoon	166.8	201.1	34.3	20.6%	18.0	22.0	4.0	22.2%	7330.00	7440.68	110.68	1.5%	0.8	133.4	160.9	27.4	20.6%	EACH
- septic/holding tank	270.5	278.5	8.0	3.0%	707.0	744.0	37.0	5.2%	300.00	304.53	4.53	1.5%	0.8	216.4	222.8	6.4	3.0%	EACH
- jet pump disposal	62.1	63.6	1.5	2.4%	77.0	79.0	2.0	2.6%	710.00	720.72	10.72	1.5%	0.8	49.7	50.9	1.2	2.4%	EACH
Wastewater MTA	2770.2	2333.9	-436.3	-15.7%	143.0	186.0	43.0	30.1%					0.8	2216.1	1867.1	-349.0	-15.7%	EACH
Liquid Waste Coll.	3213.1	3702.6	489.5	15.2%	69.0	79.0	10.0	14.5%	38500.00	39081.35	581.35	1.5%	0.8	2570.5	2962.1	391.6	15.2%	EACH
Liq Waste Coll (Unmod)	346.2	427.5	81.3	23.5%	11.0	13.0	2.0	18.2%	21860.00	22190.09	330.09	1.5%	0.8	277.0	342.0	65.0	23.5%	EACH
Total WASTEWATER	12644.6	13435.7	791.1	6.3%										10115.7	10748.6	632.9	6.3%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR AMT	93 GFR		QTY		COST		FTR	NFR								
			AMT	INC %	92	93	INC AMT	%		92	93	INC AMT	%					
														92	93	INC AMT		INC %
SOLID WASTE																		
Landfill	1478.9	1458.9	-20.0	-1.4%	142.0	145.0	3.0	2.1%	8150.00	8273.07	123.07	1.5%	0.8	1183.1	1167.1	-16.0	-1.4%	EACH
Refuse Site	517.5	472.1	-45.4	-8.8%	202.0	198.0	-4.0	-2.0%	2000.00	2030.20	30.20	1.5%	0.8	414.0	377.7	-36.3	-8.8%	EACH
Incinerator	180.0	184.2	4.2	2.3%	9.0	9.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%	0.8	144.0	147.4	3.4	2.3%	EACH
Solid Waste MTA	3674.9	3987.1	312.2	8.5%	303.0	328.0	25.0	8.3%					0.8	2939.9	3189.7	249.8	8.5%	EACH
Refuse Coll. Truck	2004.7	2303.4	298.7	14.9%	45.0	52.0	7.0	15.6%	39330.00	39923.88	593.88	1.5%	0.8	1603.8	1842.7	239.0	14.9%	EACH
Ref. Coll. Tr (Unmod)	4362.5	4404.5	42.0	1.0%	149.0	150.0	1.0	0.7%	21860.00	22190.09	330.09	1.5%	0.8	3490.0	3523.6	33.6	1.0%	EACH
Total SOLID WASTE	12218.5	12810.2	591.7	4.8%										9774.8	10248.2	473.4	4.8%	
OTHER																		
Utility	1972.2	2287.1	314.9	16.0%	43170.0	47103.0	3933.0	9.1%	16.23	16.48	0.25	1.5%	0.8	1577.8	1829.7	251.9	16.0%	SQ M
Other MTA	154.1	380.1	226.0	146.6%	6.0	21.0	15.0	250.0%					0.8	123.3	304.1	180.8	146.6%	EACH
Total OTHER	2126.3	2667.2	540.9	25.4%										1701.1	2133.8	432.7	25.4%	
TOTAL GROUP 2	56474.9	60047.9	3573.0	6.3%										45179.9	48038.3	2858.4	6.3%	
GROUP 3																		
Administrative	14720.8	15801.2	1080.4	7.3%	229278.0	240580.0	11302.0	4.9%	38.36	38.94	0.58	1.5%	0.2	2944.2	3160.2	216.1	7.3%	SQ M
Daycare Center	1592.6	1784.1	191.5	12.0%	24127.0	26065.0	1938.0	8.0%	46.83	47.54	0.71	1.5%	0.2	318.5	356.8	38.3	12.0%	SQ M
Recreational	17063.9	17638.5	574.6	3.4%	469977.0	488018.0	18041.0	3.8%	24.37	24.74	0.37	1.5%	0.2	3412.8	3527.7	114.9	3.4%	SQ M
Operative	7895.7	8957.5	1061.8	13.4%	213168.0	232626.0	19458.0	9.1%	16.01	16.25	0.24	1.5%	0.2	1579.1	1791.5	212.4	13.4%	SQ M
TOTAL GROUP 3	41273.0	44181.3	2908.3	7.0%										8254.6	8836.3	581.7	7.0%	
GROUP 4																		
Wastewater Trtmt PGM	244.4	265.2	20.9	8.5%	285.0	303.0	18.0	6.3%	876.97	890.21	13.24	1.5%	1.0	244.4	265.2	20.9	8.5%	EACH
TOTAL GROUP 4	244.4	265.2	20.9	8.5%										244.4	265.2	20.9	8.5%	
NATIONAL TOTALS	208028.5	220412.2	12383.8	6.0%										158882.8	167981.6	9098.9	5.7%	

APPENDIX 2-1: ATLANTIC REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE		VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST				
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC		
												AMT	%			AMT	%	
EDUCATION																		
Schools	1803.7	1768.7	-35.0	-1.9%	1811.4	7.7	0.4%	1776.4	-27.3	-1.5%	29542.0	29716.0	174.0	0.6%	46.83	46.83	0.00	0.0%
Teacherages	29.3	29.2	-0.1	-0.3%	31.9	2.6	8.9%	31.8	2.5	8.5%	1199.0	1303.0	104.0	8.7%	11.91	12.09	0.18	1.5%
Student Residences	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	42.63	43.27	0.64	1.5%
TOTAL EDUCATION	1833.0	1797.9	-35.1	-1.9%	1843.3	10.3	0.6%	1808.2	-24.8	-1.4%								
GROUP 1																		
FIRE																		
Fire Stations	69.2	69.2	0.0	0.0%	69.2	0.0	0.0%	69.2	0.0	0.0%	2133.0	2133.0	0.0	0.0%	21.31	21.64	0.33	1.5%
Mini-pumper	19.7	19.8	0.1	0.5%	26.3	6.6	33.5%	26.4	6.7	34.0%	3.0	4.0	1.0	33.3%	6500.00	6598.15	98.15	1.5%
Triple-pumper	108.8	108.9	0.1	0.1%	116.3	7.5	6.9%	116.4	7.6	7.0%	15.0	16.0	1.0	6.7%	7320.00	7430.53	110.53	1.5%
Fire MTA	224.0	206.8	-17.2	-7.7%	224.0	0.0	0.0%	206.8	-17.2	-7.7%	15.0	11.0	-4.0	-26.7%				
Total FIRE	421.7	404.7	-17.0	-4.0%	435.8	14.1	3.3%	418.8	-2.9	-0.7%								
ROADS																		
Earth Roads	33.6	33.0	-0.6	-1.8%	30.1	-3.5	-10.4%	29.5	-4.1	-12.2%	12.0	12.0	0.0	0.0%	2620.00	2620.00	0.00	0.0%
Gravel Roads	492.2	484.2	-8.0	-1.6%	495.3	3.1	0.6%	487.3	-4.9	-1.0%	103.0	105.0	2.0	1.9%	3820.00	3820.00	0.00	0.0%
Surface Treated Roads	36.3	35.7	-0.6	-1.7%	36.7	0.4	1.1%	36.1	-0.2	-0.6%	8.0	8.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%
Paved Roads	183.5	180.3	-3.2	-1.7%	187.6	4.1	2.2%	184.4	0.9	0.5%	41.0	42.0	1.0	2.4%	3250.00	3250.00	0.00	0.0%
Vehicular Bridges	54.6	53.4	-1.2	-2.2%	54.6	0.0	0.0%	53.4	-1.2	-2.2%	2372.0	2372.0	0.0	0.0%	25.00	25.00	0.00	0.0%
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%
Large Culverts	6.3	6.2	-0.1	-1.6%	6.3	0.0	0.0%	6.2	-0.1	-1.6%	266.0	266.0	0.0	0.0%	25.00	25.00	0.00	0.0%
Roads MTA	416.8	220.6	-196.2	-47.1%	416.8	0.0	0.0%	220.6	-196.2	-47.1%	5.0	2.0	-3.0	-60.0%				
Total ROADS	1223.3	1013.4	-209.9	-17.2%	1227.4	4.1	0.3%	1017.5	-205.8	-16.8%								
ELECTRICAL																		
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%
Street Lights	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	105.00	106.59	1.59	1.5%
Generators	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A				
Street Light MTA	81.5	182.5	101.0	123.9%	81.5	0.0	0.0%	182.5	101.0	123.9%	30.0	26.0	-4.0	-13.3%				
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A				
Total ELECTRICAL	81.5	182.5	101.0	123.9%	81.5	0.0	0.0%	182.5	101.0	123.9%								
TOTAL GROUP 1	1728.8	1600.6	-126.0	-7.3%	1744.8	18.2	1.1%	1818.8	-107.8	-6.2%								

ASSET TYPE	OLD GFR		PRICE INCREASE		VOLUME INCREASE			NEW GFR			QUANTITY				COST				
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST					
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC	
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	234.9	236.3	1.4	0.6%	244.1	9.2	3.9%	245.5	10.6	4.5%	129042.0	134120.0	5078.0	3.9%	1.82	1.85	0.03	1.6%	
- watermains-heated	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2.97	3.01	0.04	1.3%	
- storage reservoirs	11.2	11.1	-0.1	-0.9%	9.4	-1.8	-16.1%	9.3	-1.9	-17.0%	18.0	17.0	-1.0	-5.6%	650.00	659.82	9.82	1.5%	
- standpipes	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	640.00	649.66	9.66	1.5%	
Pumphouses																			
- community wells	123.9	123.5	-0.4	-0.3%	141.6	17.7	14.3%	141.2	17.3	14.0%	41.0	47.0	6.0	14.6%	2700.00	2740.77	40.77	1.5%	
- low level lift	11.8	11.7	-0.1	-0.8%	4.2	-7.6	-64.4%	4.1	-7.7	-65.3%	3.0	1.0	-2.0	-66.7%	3440.00	3491.94	51.94	1.5%	
- high lift	213.1	212.5	-0.6	-0.3%	257.1	44.0	20.6%	256.5	43.4	20.4%	24.0	29.0	5.0	20.8%	7900.00	8019.29	119.29	1.5%	
Treatment Facilities																			
- system	19.8	19.9	0.1	0.5%	19.8	0.0	0.0%	19.9	0.1	0.5%	1.0	1.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	
- unit	18.2	18.3	0.1	0.5%	18.2	0.0	0.0%	18.3	0.1	0.5%	6.0	6.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%	
Water MTA	74.4	276.1	201.7	271.2%	74.4	-0.0	-0.0%	276.1	201.7	271.2%	6.0	7.0	1.0	16.7%					
Water Delivery	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38300.00	38878.33	578.33	1.5%	
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	
Total WATER	707.3	909.4	202.1	28.8%	768.8	81.5	8.7%	970.9	263.8	37.3%									
WASTEWATER																			
Collection																			
- gravity mains	83.9	84.7	0.8	1.0%	92.2	8.3	9.9%	93.0	9.1	10.8%	88094.0	96566.0	8472.0	9.6%	0.94	0.96	0.02	2.1%	
Lift Stations	188.1	187.7	-0.4	-0.2%	249.3	61.2	32.5%	248.9	60.8	32.3%	28.0	37.0	9.0	32.1%	5850.00	5938.34	88.34	1.5%	
Treatment and Disposal																			
- RBC/trickling filter	50.8	51.0	0.2	0.4%	50.8	0.0	0.0%	51.0	0.2	0.4%	3.0	3.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	
- extended aeration	62.5	62.8	0.3	0.5%	62.5	0.0	0.0%	62.8	0.3	0.5%	3.0	3.0	0.0	0.0%	18990.00	19276.75	286.75	1.5%	
- sewage lagoon	22.6	22.7	0.1	0.4%	22.6	0.0	0.0%	22.7	0.1	0.4%	7.0	7.0	0.0	0.0%	3340.00	3390.43	50.43	1.5%	
- aerated lagoon	15.3	15.4	0.1	0.7%	23.5	8.2	53.6%	23.6	8.3	54.2%	2.0	3.0	1.0	50.0%	7330.00	7440.68	110.68	1.5%	
- septic/holding tank	13.0	13.0	0.0	0.0%	13.0	0.0	0.0%	13.0	0.0	0.0%	42.0	42.0	0.0	0.0%	300.00	304.53	4.53	1.5%	
- jet pump disposal	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	710.00	720.72	10.72	1.5%	
Wastewater MTA	161.9	47.5	-114.4	-70.7%	161.9	0.0	0.0%	47.5	-114.4	-70.7%	30.0	26.0	-4.0	-13.3%					
Liquid Waste Coll.	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38500.00	39081.35	581.35	1.5%	
Liq Waste Coll (Unmod)	68.2	67.8	-0.4	-0.6%	68.2	0.0	0.0%	67.8	-0.4	-0.6%	3.0	3.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	
Total WASTEWATER	666.3	552.6	-113.7	-17.1%	744.0	77.7	11.7%	630.3	-36.0	-5.4%									

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC		
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%	AMT
SOLID WASTE																				
Landfill	24.6	24.6	0.0	0.0%	24.6	0.0	0.0%	24.6	0.0	0.0%	3.0	3.0	0.0	0.0%	8150.00	8273.07	123.07	1.5%		
Refuse Site	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2000.00	2030.20	30.20	1.5%		
Incinerator	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	10980.90	11148.71	165.81	1.5%		
Solid Waste MTA	308.7	455.0	146.3	47.4%	308.7	0.0	0.0%	455.0	146.3	47.4%	29.0	28.0	-1.0	-3.4%						
Refuse Coll. Truck	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	39330.00	39923.88	593.88	1.5%		
Ref. Coll. Tr (Unmod)	0.0	0.0	0.0	N/A	22.6	22.6	N/A	22.6	22.6	N/A	0.0	1.0	1.0	N/A	21860.00	22190.09	330.09	1.5%		
Total SOLID WASTE	333.3	479.6	146.3	43.9%	355.9	22.6	6.8%	502.2	168.9	50.7%										
OTHER																				
Utility	20.0	19.9	-0.1	-0.5%	23.0	3.0	15.0%	22.9	2.9	14.5%	995.0	1125.0	130.0	13.1%	16.23	16.48	0.25	1.5%		
Other MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Total OTHER	20.0	19.9	-0.1	-0.5%	23.0	3.0	15.0%	22.9	2.9	14.5%										
TOTAL GROUP 2	1728.9	1961.5	234.6	13.6%	1891.7	164.8	9.5%	2126.3	399.4	23.1%										
GROUP 3																				
Administrative	810.3	808.6	-1.7	-0.2%	849.1	38.8	4.8%	847.4	37.1	4.6%	16377.0	17308.0	931.0	5.7%	38.36	38.94	0.58	1.5%		
Daycare Center	48.0	47.9	-0.1	-0.2%	67.0	19.0	39.6%	66.9	18.9	39.4%	893.0	1192.0	299.0	33.5%	46.83	47.54	0.71	1.5%		
Recreational	599.8	597.8	-2.0	-0.3%	607.8	8.0	1.3%	605.8	6.0	1.0%	20492.0	20820.0	328.0	1.6%	24.37	24.74	0.37	1.5%		
Operative	181.3	180.6	-0.7	-0.4%	175.3	-6.0	-3.3%	174.6	-6.7	-3.7%	7229.0	7076.0	-153.0	-2.1%	16.01	16.25	0.24	1.5%		
TOTAL GROUP 3	1639.4	1634.9	-4.5	-0.3%	1699.2	59.8	3.6%	1694.7	55.3	3.4%										
GROUP 4																				
Wastewater Trtmt PGM	14.5	14.7	0.2	1.5%	15.4	1.0	6.8%	15.7	1.2	8.3%	15.0	16.0	1.0	6.7%	876.97	890.21	13.24	1.5%		
TOTAL GROUP 4	14.5	14.7	0.2	1.5%	15.4	1.0	6.8%	15.7	1.2	8.3%										
REGIONAL TOTALS	6940.3	4615.7	69.3	1.0%	7307.6	254.1	3.7%	7263.7	323.3	4.7%										

APPENDIX 2-2: ATLANTIC REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR		QTY				COST				NFR						
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC			
						AMT	%			AMT	%				AMT	%		AMT
EDUCATION																		
Schools	1803.7	1776.4	-27.3	-1.5%	29542.0	29716.0	174.0	0.6%	46.83	46.83	0.00	0.0%	1.0	1803.7	1776.4	-27.3	-1.5%	SQ M
Teacherages	29.3	31.8	2.5	8.5%	1199.0	1303.0	104.0	8.7%	11.91	12.09	0.18	1.5%	1.0	29.3	31.8	2.5	8.5%	SQ M
Student Residences	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	42.63	43.27	0.64	1.5%	1.0	0.0	0.0	0.0	N/A	SQ M
TOTAL EDUCATION	1833.0	1808.2	-24.8	-1.4%										1833.0	1808.2	-24.8	-1.4%	
GROUP 1																		
FIRE																		
Fire Stations	69.2	69.2	0.0	0.0%	2133.0	2133.0	0.0	0.0%	21.31	21.64	0.33	1.5%	0.9	62.3	62.3	0.0	0.0%	SQ M
Mini-pumper	19.7	26.4	6.7	34.0%	3.0	4.0	1.0	33.3%	6500.00	6598.15	98.15	1.5%	0.9	17.7	23.8	6.0	34.0%	EACH
Triple-pumper	108.8	116.4	7.6	7.0%	15.0	16.0	1.0	6.7%	7320.00	7430.53	110.53	1.5%	0.9	97.9	104.8	6.8	7.0%	EACH
Fire MTA	224.0	206.8	-17.2	-7.7%	15.0	11.0	-4.0	-26.7%					0.9	201.6	186.1	-15.5	-7.7%	EACH
Total FIRE	421.7	418.8	-2.9	-0.7%										379.6	376.9	-2.7	-0.7%	
ROADS																		
Earth Roads	33.6	29.5	-4.1	-12.2%	12.0	12.0	0.0	0.0%	2620.00	2620.00	0.00	0.0%	0.9	30.2	26.6	-3.7	-12.2%	KM
Gravel Roads	492.2	487.3	-4.9	-1.0%	103.0	105.0	2.0	1.9%	3820.00	3820.00	0.00	0.0%	0.9	443.0	438.6	-4.4	-1.0%	KM
Surface Treated Roads	36.3	36.1	-0.2	-0.6%	8.0	8.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	32.7	32.5	-0.2	-0.6%	KM
Paved Roads	183.5	184.4	0.9	0.5%	41.0	42.0	1.0	2.4%	3250.00	3250.00	0.00	0.0%	0.9	165.2	166.0	0.8	0.5%	KM
Vehicular Bridges	54.6	53.4	-1.2	-2.2%	2372.0	2372.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	49.1	48.1	-1.1	-2.2%	SQ M
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	SQ M
Large Culverts	6.3	6.2	-0.1	-1.6%	266.0	266.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	5.7	5.6	-0.1	-1.6%	SQ M
Roads MTA	416.8	220.6	-196.2	-47.1%	5.0	2.0	-3.0	-60.0%					0.9	375.1	198.5	-176.6	-47.1%	EACH
Total ROADS	1223.3	1017.5	-205.8	-16.8%										1101.0	915.8	-185.2	-16.8%	
ELECTRICAL																		
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	0.9	0.0	0.0	0.0	N/A	KM
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%	0.9	0.0	0.0	0.0	N/A	KM
Street Lights	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	105.00	106.59	1.59	1.5%	0.9	0.0	0.0	0.0	N/A	EACH
Generators	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH
Street Light MTA	81.5	182.5	101.0	123.9%	30.0	26.0	-4.0	-13.3%					0.9	73.4	164.3	90.9	123.9%	EACH
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH
Total ELECTRICAL	81.5	182.5	101.0	123.9%										73.4	164.3	90.9	123.9%	
TOTAL GROUP 1	1726.6	1618.8	-107.8	-8.2%										1553.9	1458.9	-97.0	-8.2%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR		QTY				COST				NFR						
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC			
						AMT	%			AMT	%				AMT	%		AMT
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	234.9	245.5	10.6	4.5%	129042.0	134120.0	5078.0	3.9%	1.82	1.85	0.03	1.6%	0.8	187.9	196.4	8.5	4.5%	M
- watermains-heated	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2.97	3.01	0.04	1.3%	0.8	0.0	0.0	0.0	N/A	M
- storage reservoirs	11.2	9.3	-1.9	-17.0%	18.0	17.0	-1.0	-5.6%	650.00	659.82	9.82	1.5%	0.8	9.0	7.4	-1.5	-17.0%	EACH
- standpipes	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	640.00	649.66	9.66	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Pumphouses																		
- community wells	123.9	141.2	17.3	14.0%	41.0	47.0	6.0	14.6%	2700.00	2740.77	40.77	1.5%	0.8	99.1	113.0	13.8	14.0%	EACH
- low level lift	11.8	4.1	-7.7	-65.3%	3.0	1.0	-2.0	-66.7%	3440.00	3491.94	51.94	1.5%	0.8	9.4	3.3	-6.2	-65.3%	EACH
- high lift	213.1	256.5	43.4	20.4%	24.0	29.0	5.0	20.8%	7900.00	8019.29	119.29	1.5%	0.8	170.5	205.2	34.7	20.4%	EACH
Treatment Facilities																		
- system	19.8	19.9	0.1	0.5%	1.0	1.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	0.8	15.8	15.9	0.1	0.5%	EACH
- unit	18.2	18.3	0.1	0.5%	6.0	6.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%	0.8	14.6	14.6	0.1	0.5%	EACH
Water MTA	74.4	276.1	201.7	271.2%	6.0	7.0	1.0	16.7%					0.8	59.5	220.9	161.4	271.2%	EACH
Water Delivery	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38300.00	38878.33	578.33	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WATER	707.3	970.9	263.6	37.3%										565.8	776.7	210.9	37.3%	
WASTEWATER																		
Collection																		
- gravity mains	83.9	93.0	9.1	10.8%	88094.0	96566.0	8472.0	9.6%	0.94	0.96	0.02	2.1%	0.8	67.1	74.4	7.3	10.8%	M
Lift Stations	188.1	248.9	60.8	32.3%	28.0	37.0	9.0	32.1%	5850.00	5938.34	88.34	1.5%	0.8	150.5	199.1	48.6	32.3%	EACH
Treatment and Disposal																		
- RBC/trickling filter	50.8	51.0	0.2	0.4%	3.0	3.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	0.8	40.6	40.8	0.2	0.4%	EACH
- extended aeration	62.5	62.8	0.3	0.5%	3.0	3.0	0.0	0.0%	18990.00	19276.75	286.75	1.5%	0.8	50.0	50.2	0.2	0.5%	EACH
- sewage lagoon	22.6	22.7	0.1	0.4%	7.0	7.0	0.0	0.0%	3340.00	3390.43	50.43	1.5%	0.8	18.1	18.2	0.1	0.4%	EACH
- aerated lagoon	15.3	23.6	8.3	54.2%	2.0	3.0	1.0	50.0%	7330.00	7440.68	110.68	1.5%	0.8	12.2	18.9	6.6	54.2%	EACH
- septic/holding tank	13.0	13.0	0.0	0.0%	42.0	42.0	0.0	0.0%	300.00	304.53	4.53	1.5%	0.8	10.4	10.4	0.0	0.0%	EACH
- jet pump disposal	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	710.00	720.72	10.72	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Wastewater MTA	161.9	47.5	-114.4	-70.7%	30.0	26.0	-4.0	-13.3%					0.8	129.5	38.0	-91.5	-70.7%	EACH
Liquid Waste Coll.	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38500.00	39081.35	581.35	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Liq Waste Coll (Unmod)	68.2	67.8	-0.4	-0.6%	3.0	3.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	54.6	54.2	-0.3	-0.6%	EACH
Total WASTEWATER	666.3	630.3	-36.0	-5.4%										533.0	504.2	-28.8	-5.4%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR AMT	93 GFR INC		QTY				COST				NFR					
			AMT	%	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
SOLID WASTE																		
Landfill	24.6	24.6	0.0	0.0%	3.0	3.0	0.0	0.0%	8150.00	8273.07	123.07	1.5%	0.8	19.7	19.7	0.0	0.0%	EACH
Refuse Site	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2000.00	2030.20	30.20	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Incinerator	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	10980.90	11146.71	165.81	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Solid Waste MTA	308.7	455.0	146.3	47.4%	29.0	28.0	-1.0	-3.4%					0.8	247.0	364.0	117.0	47.4%	EACH
Refuse Coll. Truck	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	39330.00	39923.88	593.88	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Ref. Coll. Tr (Unmod)	0.0	22.6	22.6	N/A	0.0	1.0	1.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	18.1	18.1	N/A	EACH
Total SOLID WASTE	333.3	502.2	168.9	50.7%										266.7	401.8	135.1	50.7%	
OTHER																		
Utility	20.0	22.9	2.9	14.5%	995.0	1125.0	130.0	13.1%	16.23	16.48	0.25	1.5%	0.8	16.0	18.3	2.3	14.5%	SQ M
Other MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.8	0.0	0.0	0.0	N/A	EACH
Total OTHER	20.0	22.9	2.9	14.5%										16.0	18.3	2.3	14.5%	
TOTAL GROUP 2	1726.9	2126.3	399.4	23.1%										1381.5	1701.0	319.5	23.1%	
GROUP 3																		
Administrative	810.3	847.4	37.1	4.6%	16377.0	17308.0	931.0	5.7%	38.36	38.94	0.58	1.5%	0.2	162.1	169.5	7.4	4.6%	SQ M
Daycare Center	48.0	66.9	18.9	39.4%	893.0	1192.0	299.0	33.5%	46.83	47.54	0.71	1.5%	0.2	9.6	13.4	3.8	39.4%	SQ M
Recreational	599.8	605.8	6.0	1.0%	20492.0	20820.0	328.0	1.6%	24.37	24.74	0.37	1.5%	0.2	120.0	121.2	1.2	1.0%	SQ M
Operative	181.3	174.6	-6.7	-3.7%	7229.0	7076.0	-153.0	-2.1%	16.01	16.25	0.24	1.5%	0.2	36.3	34.9	-1.3	-3.7%	SQ M
TOTAL GROUP 3	1639.4	1694.7	55.3	3.4%										327.9	338.9	11.1	3.4%	
GROUP 4																		
Wastewater Trtmt PGM	14.5	15.7	1.2	8.3%	15.0	16.0	1.0	6.7%	876.97	890.21	13.24	1.5%	1.0	14.5	15.7	1.2	8.3%	EACH
TOTAL GROUP 4	14.5	15.7	1.2	8.3%										14.5	15.7	1.2	8.3%	
REGIONAL TOTALS	6940.3	7263.7	323.3	4.7%										5110.8	5320.8	210.0	4.1%	

APPENDIX 3-1: QUEBEC REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST			
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC	
				AMT	%		AMT	%		AMT	%			AMT	%				
EDUCATION																			
Schools	6344.5	6363.0	18.5	0.3%	6482.5	138.0	2.2%	6501.0	156.5	2.5%	72786.0	75353.0	2567.0	3.5%	46.83	46.83	0.00	0.0%	
Teacherages	529.9	540.3	10.4	2.0%	697.4	167.5	31.6%	707.8	177.9	33.6%	6455.0	8697.0	2242.0	34.7%	11.91	12.09	0.18	1.5%	
Student Residences	246.7	252.5	5.8	2.4%	-5.8	-252.5	-102.4%	0.0	-246.7	-100.0%	4783.0	0.0	-4783.0	-100.0%	42.63	43.27	0.64	1.5%	
TOTAL EDUCATION	7121.1	7155.8	34.7	0.5%	7174.1	53.0	0.7%	7208.8	87.7	1.2%									
GROUP 1																			
FIRE																			
Fire Stations	98.7	100.5	1.8	1.8%	92.2	-6.5	-6.6%	94.0	-4.7	-4.8%	1711.0	1628.0	-83.0	-4.9%	21.31	21.64	0.33	1.5%	
Mini-pumper	12.0	12.3	0.3	2.5%	12.0	0.0	0.0%	12.3	0.3	2.5%	1.0	1.0	0.0	0.0%	6500.00	6598.15	98.15	1.5%	
Triple-pumper	130.4	133.3	2.9	2.2%	123.5	-6.9	-5.3%	126.4	-4.0	-3.1%	15.0	14.0	-1.0	-6.7%	7320.00	7430.53	110.53	1.5%	
Fire MTA	124.7	73.5	-51.2	-41.1%	124.7	0.0	0.0%	73.5	-51.2	-41.1%	9.0	10.0	1.0	11.1%					
Total FIRE	365.8	319.6	-46.2	-12.6%	352.4	-13.4	-3.7%	306.2	-59.6	-16.3%									
ROADS																			
Earth Roads	90.4	91.0	0.6	0.7%	87.6	-2.8	-3.1%	88.2	-2.2	-2.4%	27.0	28.0	1.0	3.7%	2620.00	2620.00	0.00	0.0%	
Gravel Roads	762.0	765.1	3.1	0.4%	854.3	92.3	12.1%	857.4	95.4	12.5%	190.0	192.0	2.0	1.1%	3820.00	3820.00	0.00	0.0%	
Surface Treated Roads	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3250.00	3250.00	0.00	0.0%	
Paved Roads	539.4	540.1	0.7	0.1%	556.7	17.3	3.2%	557.4	18.0	3.3%	147.0	150.0	3.0	2.0%	3250.00	3250.00	0.00	0.0%	
Vehicular Bridges	23.6	23.9	0.3	1.3%	36.8	13.2	55.9%	37.1	13.5	57.2%	1910.0	1910.0	0.0	0.0%	25.00	25.00	0.00	0.0%	
Pedestrian Bridges	0.9	0.9	0.0	0.0%	1.5	0.6	66.7%	1.5	0.6	66.7%	35.0	57.0	22.0	62.9%	25.00	25.00	0.00	0.0%	
Large Culverts	7.2	7.3	0.1	1.4%	7.2	0.0	0.0%	7.3	0.1	1.4%	270.0	270.0	0.0	0.0%	25.00	25.00	0.00	0.0%	
Roads MTA	329.8	344.4	14.6	4.4%	329.8	0.0	0.0%	344.4	14.6	4.4%	9.0	12.0	3.0	33.3%					
Total ROADS	1753.3	1772.7	19.4	1.1%	1873.9	120.6	6.9%	1893.3	140.0	8.0%									
ELECTRICAL																			
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	
Distribution	196.7	200.5	3.8	1.9%	201.3	4.6	2.3%	205.1	8.4	4.3%	30.0	30.0	0.0	0.0%	2240.00	2273.82	33.82	1.5%	
Street Lights	199.7	203.2	3.5	1.8%	192.7	-7.0	-3.5%	198.2	-3.5	-1.8%	1365.0	1448.0	83.0	6.1%	105.00	106.59	1.59	1.5%	
Generators	2048.5	2221.8	173.3	8.5%	2048.5	0.0	0.0%	2221.8	173.3	8.5%	8.0	7.0	-1.0	-12.5%					
Street Light MTA	0.0	53.5	53.5	N/A	0.0	0.0	N/A	53.5	53.5	N/A	0.0	8.0	8.0	N/A					
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A					
Total ELECTRICAL	2444.9	2679.0	234.1	9.6%	2442.5	-2.4	-0.1%	2676.8	231.7	9.5%									
TOTAL GROUP 1	4564.0	4771.3	207.3	4.5%	4668.8	104.8	2.3%	4876.1	312.1	6.8%									

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST			
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC	
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	380.2	387.7	7.5	2.0%	378.1	-2.1	-0.6%	385.6	5.4	1.4%	168193.0	175245.0	7052.0	4.2%	1.82	1.85	0.03	1.6%	
- watermains-heated	2.2	2.3	0.1	4.5%	2.2	0.0	0.0%	2.3	0.1	4.5%	426.0	426.0	0.0	0.0%	2.97	3.01	0.04	1.3%	
- storage reservoirs	14.4	14.7	0.3	2.1%	14.4	0.0	0.0%	14.7	0.3	2.1%	18.0	18.0	0.0	0.0%	650.00	659.82	9.82	1.5%	
- standpipes	0.7	0.7	0.0	0.0%	0.7	0.0	0.0%	0.7	0.0	0.0%	1.0	1.0	0.0	0.0%	640.00	649.66	9.66	1.5%	
Pumphouses					0.0														
- community wells	135.7	138.8	3.1	2.3%	71.4	-64.3	-47.4%	74.5	-61.2	-45.1%	47.0	42.0	-5.0	-10.6%	2700.00	2740.77	40.77	1.5%	
- low level lift	10.3	10.4	0.1	1.0%	10.3	0.0	0.0%	10.4	0.1	1.0%	2.0	2.0	0.0	0.0%	3440.00	3491.94	51.94	1.5%	
- high lift	131.4	133.4	2.0	1.5%	122.7	-8.7	-6.6%	124.7	-6.7	-5.1%	13.0	12.0	-1.0	-7.7%	7900.00	8019.29	119.29	1.5%	
Treatment Facilities					0.0														
- system	53.1	53.9	0.8	1.5%	53.1	0.0	0.0%	53.9	0.8	1.5%	2.0	2.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	
- unit	18.2	18.5	0.3	1.6%	18.2	0.0	0.0%	18.5	0.3	1.6%	4.0	4.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%	
Water MTA	195.1	287.8	92.7	47.5%	195.1	0.0	0.0%	287.8	92.7	47.5%	9.0	9.0	0.0	0.0%					
Water Delivery	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38300.00	38878.33	578.33	1.5%	
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	
Total WATER	941.3	1048.2	106.9	11.4%	866.2	-75.1	-8.0%	973.1	31.8	3.4%									
WASTEWATER																			
Collection																			
- gravity mains	240.2	245.8	5.6	2.3%	241.1	0.9	0.4%	246.7	6.5	2.7%	210496.0	217929.0	7433.0	3.5%	0.94	0.96	0.02	2.1%	
Lift Stations	223.0	226.4	3.4	1.5%	253.2	30.2	13.5%	256.6	33.6	15.1%	29.0	34.0	5.0	17.2%	5850.00	5938.34	88.34	1.5%	
Treatment and Disposal					0.0														
- RBC/trickling filter	152.8	155.1	2.3	1.5%	152.8	0.0	0.0%	155.1	2.3	1.5%	6.0	6.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	
- extended aeration	59.5	60.4	0.9	1.5%	59.5	0.0	0.0%	60.4	0.9	1.5%	3.0	3.0	0.0	0.0%	18990.00	19276.75	286.75	1.5%	
- sewage lagoon	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3340.00	3390.43	50.43	1.5%	
- aerated lagoon	75.3	76.5	1.2	1.6%	90.3	15.0	19.9%	91.5	16.2	21.5%	8.0	10.0	2.0	25.0%	7330.00	7440.68	110.68	1.5%	
- septic/holding tank	1.3	1.3	0.0	0.0%	0.9	-0.4	-30.8%	0.9	-0.4	-30.8%	4.0	4.0	0.0	0.0%	300.00	304.53	4.53	1.5%	
- jet pump disposal	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	710.00	720.72	10.72	1.5%	
Wastewater MTA	66.5	53.8	-12.7	-19.1%	66.5	0.0	0.0%	53.8	-12.7	-19.1%	3.0	4.0	1.0	33.3%					
Liquid Waste Coll.	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38500.00	39081.35	581.35	1.5%	
Liq Waste Coll (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	
Total WASTEWATER	818.6	819.3	0.7	0.1%	864.3	45.7	5.6%	865.0	46.4	5.7%									

ASSET TYPE	OLD GFR		PRICE INCREASE		VOLUME INCREASE		NEW GFR			QUANTITY				COST				
	92 GFR AMT	93\$92BY		92\$93BY		93 GFR			QTY				COST					
		AMT	INC	AMT	INC	AMT	INC	92	93	INC	92	93	INC					
														AMT	%	AMT	%	AMT
SOLID WASTE																		
Landfill	108.4	110.1	1.7	1.6%	92.0	-16.4	-15.1%	93.7	-14.7	-13.6%	10.0	9.0	-1.0	-10.0%	8150.00	8273.07	123.07	1.5%
Refuse Site	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2000.00	2030.20	30.20	1.5%
Incinerator	20.4	20.9	0.5	2.5%	20.4	0.0	0.0%	20.9	0.5	2.5%	1.0	1.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%
Solid Waste MTA	383.3	294.7	-88.6	-23.1%	383.3	0.0	0.0%	294.7	-88.6	-23.1%	17.0	16.0	-1.0	-5.9%				
Refuse Coll. Truck	114.5	116.7	2.2	1.9%	114.5	0.0	0.0%	116.7	2.2	1.9%	2.0	2.0	0.0	0.0%	39330.00	39923.88	593.88	1.5%
Ref. Coll. Tr (Unmod)	126.6	129.3	2.7	2.1%	126.6	0.0	0.0%	129.3	2.7	2.1%	4.0	4.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%
Total SOLID WASTE	753.2	671.7	-81.5	-10.8%	738.8	-18.4	-2.2%	855.3	-97.9	-13.0%								
OTHER																		
Utility	234.2	238.7	4.5	1.9%	226.5	-7.7	-3.3%	231.0	-3.2	-1.4%	5667.0	5633.0	-34.0	-0.6%	16.23	16.48	0.25	1.5%
Other MTA	0.0	104.7	104.7	N/A	0.0	0.0	N/A	104.7	104.7	N/A	0.0	6.0	6.0	N/A				
Total OTHER	234.2	343.4	109.2	46.6%	226.5	-7.7	-3.3%	335.7	101.5	43.3%								
TOTAL GROUP 2	2747.3	2882.8	135.3	4.9%	2893.8	-53.5	-1.9%	2829.1	81.8	3.0%								
GROUP 3																		
Administrative	1217.7	1238.0	20.3	1.7%	1117.1	-100.6	-8.3%	1137.4	-80.3	-6.6%	17819.0	17388.0	-431.0	-2.4%	38.36	38.94	0.58	1.5%
Daycare Center	25.2	25.8	0.6	2.4%	25.2	0.0	0.0%	25.8	0.6	2.4%	455.0	455.0	0.0	0.0%	46.83	47.54	0.71	1.5%
Recreational	822.4	836.3	13.9	1.7%	837.1	14.7	1.8%	851.0	28.6	3.5%	25537.0	26437.0	900.0	3.5%	24.37	24.74	0.37	1.5%
Operative	399.5	408.2	8.7	2.2%	473.1	73.6	18.4%	481.8	82.3	20.6%	11985.0	13689.0	1704.0	14.2%	16.01	16.25	0.24	1.5%
TOTAL GROUP 3	2484.8	2508.3	43.5	1.8%	2452.5	-12.3	-0.5%	2498.0	31.2	1.3%								
GROUP 4																		
Wastewater Trtmt PGM	21.1	21.4	0.3	1.5%	23.6	2.5	11.9%	23.9	2.8	13.5%	17.0	19.0	2.0	11.8%	876.97	890.21	13.24	1.5%
TOTAL GROUP 4	21.1	21.4	0.3	1.5%	23.8	2.5	11.9%	23.9	2.8	13.5%								
REGIONAL TOTALS	16918.4	17339.4	421.0	2.5%	17012.9	94.5	0.8%	17433.9	515.8	3.0%								

APPENDIX 3-2: QUEBEC REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC				
						AMT	%			AMT	%				AMT	%		AMT	%
EDUCATION																			
Schools	6344.5	6501.0	156.5	2.5%	72786.0	75353.0	2567.0	3.5%	46.83	46.83	0.00	0.0%	1.0	6344.5	6501.0	156.5	2.5%	SQ M	
Teacherages	529.9	707.8	177.9	33.6%	6455.0	8697.0	2242.0	34.7%	11.91	12.09	0.18	1.5%	1.0	529.9	707.8	177.9	33.6%	SQ M	
Student Residences	246.7	0.0	-246.7	-100.0%	4783.0	0.0	-4783.0	-100.0%	42.63	43.27	0.64	1.5%	1.0	246.7	0.0	-246.7	-100.0%	SQ M	
TOTAL EDUCATION	7121.1	7208.8	87.7	1.2%										7121.1	7208.8	87.7	1.2%		
GROUP 1																			
FIRE																			
Fire Stations	98.7	94.0	-4.7	-4.8%	1711.0	1628.0	-83.0	-4.9%	21.31	21.64	0.33	1.5%	0.9	88.8	84.6	-4.2	-4.8%	SQ M	
Mini-pumper	12.0	12.3	0.3	2.5%	1.0	1.0	0.0	0.0%	6500.00	6598.15	98.15	1.5%	0.9	10.8	11.1	0.3	2.5%	EACH	
Triple-pumper	130.4	126.4	-4.0	-3.1%	15.0	14.0	-1.0	-6.7%	7320.00	7430.53	110.53	1.5%	0.9	117.4	113.8	-3.6	-3.1%	EACH	
Fire MTA	124.7	73.5	-51.2	-41.1%	9.0	10.0	1.0	11.1%					0.9	112.3	66.2	-46.1	-41.1%	EACH	
Total FIRE	365.8	306.2	-59.6	-18.3%										329.2	275.8	-53.7	-16.3%		
ROADS																			
Earth Roads	90.4	88.2	-2.2	-2.4%	27.0	28.0	1.0	3.7%	2620.00	2620.00	0.00	0.0%	0.9	81.4	79.4	-2.0	-2.4%	KM	
Gravel Roads	762.0	857.4	95.4	12.5%	190.0	192.0	2.0	1.1%	3820.00	3820.00	0.00	0.0%	0.9	685.8	771.7	85.9	12.5%	KM	
Surface Treated Roads	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3250.00	3250.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	KM	
Paved Roads	539.4	557.4	18.0	3.3%	147.0	150.0	3.0	2.0%	3250.00	3250.00	0.00	0.0%	0.9	485.5	501.7	16.2	3.3%	KM	
Vehicular Bridges	23.6	37.1	13.5	57.2%	1910.0	1910.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	21.2	33.4	12.2	57.2%	SQ M	
Pedestrian Bridges	0.9	1.5	0.6	66.7%	35.0	57.0	22.0	62.9%	25.00	25.00	0.00	0.0%	0.9	0.8	1.4	0.5	66.7%	SQ M	
Large Culverts	7.2	7.3	0.1	1.4%	270.0	270.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	6.5	6.6	0.1	1.4%	SQ M	
Roads MTA	329.8	344.4	14.6	4.4%	9.0	12.0	3.0	33.3%					0.9	296.8	310.0	13.1	4.4%	EACH	
Total ROADS	1753.3	1893.3	140.0	8.0%										1578.0	1704.0	128.0	8.0%		
ELECTRICAL																			
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	0.9	0.0	0.0	0.0	N/A	KM	
Distribution	196.7	205.1	8.4	4.3%	30.0	30.0	0.0	0.0%	2240.00	2273.82	33.82	1.5%	0.9	177.0	184.6	7.6	4.3%	KM	
Street Lights	199.7	196.2	-3.5	-1.8%	1365.0	1448.0	83.0	6.1%	105.00	106.59	1.59	1.5%	0.9	179.7	176.6	-3.2	-1.8%	EACH	
Generators	2048.5	2221.8	173.3	8.5%	8.0	7.0	-1.0	-12.5%					0.9	1843.6	1999.6	156.0	8.5%	EACH	
Street Light MTA	0.0	53.5	53.5	N/A	0.0	8.0	8.0	N/A					0.9	0.0	48.2	48.2	N/A	EACH	
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Total ELECTRICAL	2444.9	2878.8	231.7	9.5%										2200.4	2408.9	208.5	9.5%		
TOTAL GROUP 1	4584.0	4878.1	312.1	8.8%										4107.6	4388.5	280.8	8.8%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR		93 GFR		QTY				COST				NFR					
	AMT	AMT	INC	%	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	380.2	385.6	5.4	1.4%	168193.0	175245.0	7052.0	4.2%	1.82	1.85	0.03	1.6%	0.8	304.2	308.5	4.3	1.4%	M
- watermains-heated	2.2	2.3	0.1	4.5%	426.0	426.0	0.0	0.0%	2.97	3.01	0.04	1.3%	0.8	1.8	1.8	0.1	4.5%	M
- storage reservoirs	14.4	14.7	0.3	2.1%	18.0	18.0	0.0	0.0%	650.00	659.82	9.82	1.5%	0.8	11.5	11.8	0.2	2.1%	EACH
- standpipes	0.7	0.7	0.0	0.0%	1.0	1.0	0.0	0.0%	640.00	649.66	9.66	1.5%	0.8	0.6	0.6	0.0	0.0%	EACH
Pumphouses																		
- community wells	135.7	74.5	-61.2	-45.1%	47.0	42.0	-5.0	-10.6%	2700.00	2740.77	40.77	1.5%	0.8	108.6	59.6	-49.0	-45.1%	EACH
- low level lift	10.3	10.4	0.1	1.0%	2.0	2.0	0.0	0.0%	3440.00	3491.94	51.94	1.5%	0.8	8.2	8.3	0.1	1.0%	EACH
- high lift	131.4	124.7	-6.7	-5.1%	13.0	12.0	-1.0	-7.7%	7900.00	8019.29	119.29	1.5%	0.8	105.1	99.8	-5.4	-5.1%	EACH
Treatment Facilities																		
- system	53.1	53.9	0.8	1.5%	2.0	2.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	0.8	42.5	43.1	0.6	1.5%	EACH
- unit	18.2	18.5	0.3	1.6%	4.0	4.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%	0.8	14.6	14.8	0.2	1.6%	EACH
Water MTA	195.1	287.8	92.7	47.5%	9.0	9.0	0.0	0.0%					0.8	156.1	230.2	74.1	47.5%	EACH
Water Delivery	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38300.00	38878.33	578.33	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WATER	941.3	973.1	31.8	3.4%										753.1	778.5	25.4	3.4%	
WASTEWATER																		
Collection																		
- gravity mains	240.2	246.7	6.5	2.7%	210496.0	217929.0	7433.0	3.5%	0.94	0.96	0.02	2.1%	0.8	192.2	197.4	5.2	2.7%	M
Lift Stations	223.0	256.6	33.6	15.1%	29.0	34.0	5.0	17.2%	5850.00	5938.34	88.34	1.5%	0.8	178.4	205.3	26.9	15.1%	EACH
Treatment and Disposal																		
- RBC/trickling filter	152.8	155.1	2.3	1.5%	6.0	6.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	0.8	122.2	124.1	1.8	1.5%	EACH
- extended aeration	59.5	60.4	0.9	1.5%	3.0	3.0	0.0	0.0%	18990.00	19276.75	286.75	1.5%	0.8	47.6	48.3	0.7	1.5%	EACH
- sewage lagoon	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3340.00	3390.43	50.43	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- aerated lagoon	75.3	91.5	16.2	21.5%	8.0	10.0	2.0	25.0%	7330.00	7440.68	110.68	1.5%	0.8	60.2	73.2	13.0	21.5%	EACH
- septic/holding tank	1.3	0.9	-0.4	-30.8%	4.0	4.0	0.0	0.0%	300.00	304.53	4.53	1.5%	0.8	1.0	0.7	-0.3	-30.8%	EACH
- jet pump disposal	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	710.00	720.72	10.72	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Wastewater MTA	66.5	53.8	-12.7	-19.1%	3.0	4.0	1.0	33.3%					0.8	53.2	43.0	-10.1	-19.1%	EACH
Liquid Waste Coll.	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38500.00	39081.35	581.35	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Liq Waste Coll (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WASTEWATER	818.6	865.0	46.4	5.7%										654.9	692.0	37.1	5.7%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC				
						AMT	%			AMT	%				AMT	%		AMT	%
SOLID WASTE																			
Landfill	108.4	93.7	-14.7	-13.6%	10.0	9.0	-1.0	-10.0%	8150.00	8273.07	123.07	1.5%	0.8	86.7	75.0	-11.8	-13.6%	EACH	
Refuse Site	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2000.00	2030.20	30.20	1.5%	0.8	0.0	0.0	0.0	0.0	N/A	EACH
Incinerator	20.4	20.9	0.5	2.5%	1.0	1.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%	0.8	16.3	16.7	0.4	2.5%	EACH	
Solid Waste MTA	383.3	294.7	-88.6	-23.1%	17.0	16.0	-1.0	-5.9%					0.8	306.7	235.8	-70.9	-23.1%	EACH	
Refuse Coll. Truck	114.5	116.7	2.2	1.9%	2.0	2.0	0.0	0.0%	39330.00	39923.88	593.88	1.5%	0.8	91.6	93.4	1.8	1.9%	EACH	
Ref. Coll. Tr (Unmod)	126.6	129.3	2.7	2.1%	4.0	4.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	101.3	103.4	2.2	2.1%	EACH	
Total SOLID WASTE	753.2	655.3	-97.9	-13.0%										602.6	524.2	-78.3	-13.0%		
OTHER																			
Utility	234.2	231.0	-3.2	-1.4%	5667.0	5633.0	-34.0	-0.6%	16.23	16.48	0.25	1.5%	0.8	187.4	184.8	-2.6	-1.4%	SQ M	
Other MTA	0.0	104.7	104.7	N/A	0.0	6.0	6.0	N/A					0.8	0.0	83.8	83.8	N/A	EACH	
Total OTHER	234.2	335.7	101.5	43.3%										187.4	268.6	81.2	43.3%		
TOTAL GROUP 2	2747.3	2829.1	81.8	3.0%										2197.9	2263.3	65.4	3.0%		
GROUP 3																			
Administrative	1217.7	1137.4	-80.3	-6.6%	17819.0	17388.0	-431.0	-2.4%	38.36	38.94	0.58	1.5%	0.2	243.5	227.5	-16.1	-6.6%	SQ M	
Daycare Center	25.2	25.8	0.6	2.4%	455.0	455.0	0.0	0.0%	46.83	47.54	0.71	1.5%	0.2	5.0	5.2	0.1	2.4%	SQ M	
Recreational	822.4	851.0	28.6	3.5%	25537.0	26437.0	900.0	3.5%	24.37	24.74	0.37	1.5%	0.2	164.5	170.2	5.7	3.5%	SQ M	
Operative	399.5	481.8	82.3	20.6%	11985.0	13689.0	1704.0	14.2%	16.01	16.25	0.24	1.5%	0.2	79.9	96.4	16.5	20.6%	SQ M	
TOTAL GROUP 3	2464.8	2496.0	31.2	1.3%										493.0	499.2	6.2	1.3%		
GROUP 4																			
Wastewater Trtmt PGM	21.1	23.9	2.8	13.5%	17.0	19.0	2.0	11.8%	876.97	890.21	13.24	1.5%	1.0	21.1	23.9	2.8	13.5%	EACH	
TOTAL GROUP 4	21.1	23.9	2.8	13.5%										21.1	23.9	2.8	13.5%		
REGIONAL TOTALS	16918.4	17433.9	515.6	3.0%										13940.6	14383.7	443.0	3.2%		

APPENDIX 4-1: ONTARIO REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE		VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST				
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC		
												AMT	%			AMT	%	
EDUCATION																		
Schools	9013.7	9086.1	72.4	0.8%	9434.4	420.7	4.7%	9506.8	493.1	5.5%	101580.0	105268.0	3688.0	3.6%	46.83	46.83	0.00	0.0%
Teacherages	1940.0	1995.3	55.3	2.9%	2107.6	167.6	8.6%	2162.9	222.9	11.5%	21922.0	23099.0	1177.0	5.4%	11.91	12.09	0.18	1.5%
Student Residences	0.0	0.0	0.0	N/A	140.7	140.7	N/A	140.7	140.7	N/A	0.0	2520.0	2520.0	N/A	42.63	43.27	0.64	1.5%
TOTAL EDUCATION	10953.7	11081.4	127.7	1.2%	11882.7	729.0	6.7%	11810.4	858.7	7.8%								
GROUP 1																		
FIRE																		
Fire Stations	393.8	402.2	8.4	2.1%	426.7	32.9	8.4%	435.1	41.3	10.5%	9925.0	10570.0	645.0	6.5%	21.31	21.64	0.33	1.5%
Mini-pumper	105.9	108.5	2.6	2.5%	116.8	10.9	10.3%	119.4	13.5	12.7%	13.0	14.0	1.0	7.7%	6500.00	6598.15	98.15	1.5%
Triple-pumper	487.3	497.0	9.7	2.0%	519.8	32.5	6.7%	529.5	42.2	8.7%	59.0	63.0	4.0	6.8%	7320.00	7430.53	110.53	1.5%
Fire MTA	257.7	261.1	3.4	1.3%	257.7	0.0	0.0%	261.1	3.4	1.3%	26.0	31.0	5.0	19.2%				
Total FIRE	1244.7	1286.8	24.1	1.9%	1321.0	78.3	8.1%	1345.1	100.4	8.1%								
ROADS																		
Earth Roads	914.2	920.0	5.8	0.6%	938.8	24.6	2.7%	944.6	30.4	3.3%	314.0	371.0	57.0	18.2%	2620.00	2620.00	0.00	0.0%
Gravel Roads	4809.0	4840.2	31.2	0.6%	5482.5	673.5	14.0%	5513.7	704.7	14.7%	1130.0	1250.0	120.0	10.6%	3820.00	3820.00	0.00	0.0%
Surface Treated Roads	737.1	739.9	2.8	0.4%	781.0	43.9	6.0%	783.8	46.7	6.3%	236.0	244.0	8.0	3.4%	3250.00	3250.00	0.00	0.0%
Paved Roads	772.5	773.7	1.2	0.2%	856.3	83.8	10.8%	857.5	85.0	11.0%	235.0	260.0	25.0	10.6%	3250.00	3250.00	0.00	0.0%
Vehicular Bridges	343.6	344.4	0.8	0.2%	358.5	14.9	4.3%	359.3	15.7	4.6%	13506.0	14104.0	598.0	4.4%	25.00	25.00	0.00	0.0%
Pedestrian Bridges	40.1	40.8	0.7	1.7%	43.3	3.2	8.0%	44.0	3.9	9.7%	1452.0	1494.0	42.0	2.9%	25.00	25.00	0.00	0.0%
Large Culverts	65.8	65.9	0.1	0.2%	65.1	-0.7	-1.1%	65.2	-0.6	-0.9%	2617.0	2617.0	0.0	0.0%	25.00	25.00	0.00	0.0%
Roads MTA	1077.0	984.3	-92.7	-8.6%	1077.0	0.0	0.0%	984.3	-92.7	-8.6%	17.0	30.0	13.0	76.5%				
Total ROADS	8759.3	8709.2	-50.1	-0.6%	9602.5	843.2	9.8%	9552.4	793.1	9.1%								
ELECTRICAL																		
Transmission	122.0	124.0	2.0	1.6%	122.0	0.0	0.0%	124.0	2.0	1.6%	43.0	43.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%
Distribution	380.9	393.1	12.2	3.2%	386.1	5.2	1.4%	398.3	17.4	4.6%	59.0	60.0	1.0	1.7%	2240.00	2273.82	33.82	1.5%
Street Lights	194.9	199.6	4.7	2.4%	236.0	41.1	21.1%	240.7	45.8	23.5%	1271.0	1499.0	228.0	17.9%	105.00	106.59	1.59	1.5%
Generators	2535.3	3434.2	898.9	35.5%	2535.3	0.0	0.0%	3434.2	898.9	35.5%	26.0	24.0	-2.0	-7.7%				
Street Light MTA	2.6	2.6	0.0	0.8%	2.6	0.0	0.0%	2.6	0.0	0.8%	1.0	2.0	1.0	100.0%				
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A				
Total ELECTRICAL	3235.7	4153.5	917.8	28.4%	3282.0	46.3	1.4%	4199.8	984.1	29.8%								
TOTAL GROUP 1	13239.7	14131.5	891.8	6.7%	14205.5	985.8	7.3%	15097.3	1857.6	14.0%								

ASSET TYPE	OLD GFR		PRICE INCREASE		VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST				
		AMT	INC	AMT	INC		AMT	INC		92	93	INC		92	93	INC		
					AMT	%		AMT	%			AMT	%			AMT	%	
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	731.5	747.8	16.3	2.2%	961.3	229.8	31.4%	977.6	246.1	33.6%	340370.0	458239.0	117869.0	34.6%	1.82	1.85	0.03	1.6%
- watermains-heated	93.3	95.8	2.5	2.7%	98.5	5.2	5.6%	101.0	7.7	8.3%	22524.0	23752.0	1228.0	5.5%	2.97	3.01	0.04	1.3%
- storage reservoirs	55.9	57.0	1.1	2.0%	74.1	18.2	32.6%	75.2	19.3	34.5%	67.0	88.0	21.0	31.3%	650.00	659.82	9.82	1.5%
- standpipes	86.8	89.5	2.7	3.1%	88.4	1.6	1.8%	91.1	4.3	5.0%	71.0	73.0	2.0	2.8%	640.00	649.66	9.66	1.5%
Pumphouses																		
- community wells	554.5	567.3	12.8	2.3%	591.5	37.0	6.7%	604.3	49.8	9.0%	161.0	180.0	19.0	11.8%	2700.00	2740.77	40.77	1.5%
- low level lift	137.2	140.2	3.0	2.2%	171.6	34.4	25.1%	174.6	37.4	27.3%	30.0	36.0	6.0	20.0%	3440.00	3491.94	51.94	1.5%
- high lift	1187.8	1213.6	25.8	2.2%	1117.7	-70.1	-5.9%	1143.5	-44.3	-3.7%	120.0	113.0	-7.0	-5.8%	7900.00	8019.29	119.29	1.5%
Treatment Facilities																		
- system	479.0	488.7	9.7	2.0%	636.7	157.7	32.9%	646.4	167.4	34.9%	19.0	25.0	6.0	31.6%	18240.00	18515.42	275.42	1.5%
- unit	76.8	78.6	1.8	2.3%	90.0	13.2	17.2%	91.8	15.0	19.5%	20.0	23.0	3.0	15.0%	3000.00	3045.30	45.30	1.5%
Water MTA	120.7	127.1	6.4	5.3%	120.7	0.0	0.0%	127.1	6.4	5.3%	7.0	10.0	3.0	42.9%				
Water Delivery	765.3	784.5	19.2	2.5%	1077.6	312.3	40.8%	1096.8	331.5	43.3%	14.0	20.0	6.0	42.9%	38300.00	38878.33	578.33	1.5%
Water Delivery (Unmod)	74.4	76.2	1.8	2.4%	125.2	50.8	68.3%	127.0	52.6	70.7%	3.0	5.0	2.0	66.7%	21860.00	22190.09	330.09	1.5%
Total WATER	4363.2	4488.3	103.1	2.4%	5153.3	790.1	18.1%	5258.4	893.2	20.5%								
WASTEWATER																		
Collection																		
- gravity mains	128.0	131.5	3.5	2.7%	157.9	29.9	23.4%	161.4	33.4	26.1%	103237.0	120106.0	16869.0	16.3%	0.94	0.96	0.02	2.1%
Lift Stations	593.1	609.1	16.0	2.7%	673.2	80.1	13.5%	689.2	96.1	16.2%	75.0	83.0	8.0	10.7%	5850.00	5938.34	88.34	1.5%
Treatment and Disposal																		
- RBC/trickling filter	301.7	308.3	6.6	2.2%	400.6	98.9	32.8%	407.2	105.5	35.0%	13.0	19.0	6.0	46.2%	16700.00	16952.17	252.17	1.5%
- extended aeration	71.1	72.7	1.6	2.3%	51.3	-19.8	-27.8%	52.9	-18.2	-25.6%	3.0	2.0	-1.0	-33.3%	18990.00	19276.75	286.75	1.5%
- sewage lagoon	80.7	82.4	1.7	2.1%	94.6	13.9	17.2%	96.3	15.6	19.3%	19.0	23.0	4.0	21.1%	3340.00	3390.43	50.43	1.5%
- aerated lagoon	26.6	27.2	0.6	2.3%	26.6	0.0	0.0%	27.2	0.6	2.3%	2.0	2.0	0.0	0.0%	7330.00	7440.68	110.68	1.5%
- septic/holding tank	34.5	35.4	0.9	2.6%	31.7	-2.8	-8.1%	32.6	-1.9	-5.5%	75.0	69.0	-6.0	-8.0%	300.00	304.53	4.53	1.5%
- jet pump disposal	9.2	9.4	0.2	2.2%	9.2	0.0	0.0%	9.4	0.2	2.2%	13.0	13.0	0.0	0.0%	710.00	720.72	10.72	1.5%
Wastewater MTA	235.8	127.4	-108.4	-46.0%	235.8	0.0	0.0%	127.4	-108.4	-46.0%	4.0	7.0	3.0	75.0%				
Liquid Waste Coll.	623.3	639.0	15.7	2.5%	825.0	201.7	32.4%	840.7	217.4	34.9%	10.0	13.0	3.0	30.0%	38500.00	39081.35	581.35	1.5%
Liq Waste Coll (Unmod)	0.0	0.0	0.0	N/A	74.4	74.4	N/A	74.4	74.4	N/A	0.0	2.0	2.0	N/A	21860.00	22190.09	330.09	1.5%
Total WASTEWATER	2104.0	2042.4	-61.8	-2.9%	2580.3	478.3	22.8%	2518.7	414.7	19.7%								

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC		
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%	
SOLID WASTE																				
Landfill	296.8	302.9	6.1	2.1%	302.1	5.3	1.8%	308.2	11.4	3.8%	32.0	33.0	1.0	3.1%	8150.00	8273.07	123.07	1.5%		
Refuse Site	185.3	189.7	4.4	2.4%	143.8	-41.5	-22.4%	148.2	-37.1	-20.0%	61.0	57.0	-4.0	-6.6%	2000.00	2030.20	30.20	1.5%		
Incinerator	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	10980.90	11146.71	165.81	1.5%		
Solid Waste MTA	319.4	500.1	180.7	56.6%	319.4	0.0	0.0%	500.1	180.7	56.6%	22.0	28.0	6.0	27.3%						
Refuse Coll. Truck	343.4	350.4	7.0	2.0%	407.6	64.2	18.7%	414.6	71.2	20.7%	7.0	8.0	1.0	14.3%	39330.00	39923.88	593.88	1.5%		
Ref. Coll. Tr (Unmod)	445.4	454.8	9.4	2.1%	395.7	-49.7	-11.2%	405.1	-40.3	-9.0%	15.0	14.0	-1.0	-6.7%	21860.00	22190.09	330.09	1.5%		
Total SOLID WASTE	1590.3	1797.9	207.8	13.1%	1588.8	-21.7	-1.4%	1776.2	185.9	11.7%										
OTHER																				
Utility	522.9	535.9	13.0	2.5%	680.2	157.3	30.1%	693.2	170.3	32.6%	11823.0	13941.0	2118.0	17.9%	16.23	16.48	0.25	1.5%		
Other MTA	26.7	43.9	17.2	64.3%	26.7	0.0	0.0%	43.9	17.2	64.3%	0.0	9.0	9.0	N/A						
Total OTHER	549.8	579.8	30.2	5.5%	708.9	157.3	28.8%	737.1	187.5	34.1%										
TOTAL GROUP 2	8607.1	8888.4	279.3	3.2%	10009.1	1402.0	16.3%	10288.4	1881.3	19.5%										
GROUP 3																				
Administrative	3320.9	3393.3	72.4	2.2%	3803.5	482.6	14.5%	3875.9	555.0	16.7%	49705.0	55883.0	6178.0	12.4%	38.36	38.94	0.58	1.5%		
Daycare Center	827.0	843.8	16.8	2.0%	952.8	125.8	15.2%	969.6	142.6	17.2%	11995.0	13239.0	1244.0	10.4%	46.83	47.54	0.71	1.5%		
Recreational	2874.2	2939.2	65.0	2.3%	3184.6	310.4	10.8%	3249.6	375.4	13.1%	78620.0	87109.0	8489.0	10.8%	24.37	24.74	0.37	1.5%		
Operative	1927.8	1979.6	51.8	2.7%	2484.9	557.1	28.9%	2536.7	608.9	31.6%	45918.0	54568.0	8650.0	18.8%	16.01	16.25	0.24	1.5%		
TOTAL GROUP 3	8949.9	9155.9	208.0	2.3%	10425.8	1475.9	18.5%	10831.8	1881.9	18.8%										
GROUP 4																				
Wastewater Trtmt PGM	35.7	36.2	0.5	1.5%	44.5	8.8	24.7%	45.0	9.4	26.2%	37.0	46.0	9.0	24.3%	876.97	890.21	13.24	1.5%		
TOTAL GROUP 4	35.7	38.2	0.5	1.5%	44.5	8.8	24.7%	45.0	9.4	28.2%										
REGIONAL TOTALS	41788.1	43291.4	1505.4	3.8%	48387.8	4581.5	11.0%	47872.9	8088.9	14.8%										

APPENDIX 4-2: ONTARIO REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC				
						AMT	%			AMT	%				AMT	%		AMT	%
EDUCATION																			
Schools	9013.7	9506.8	493.1	5.5%	101580.0	105268.0	3688.0	3.6%	46.83	46.83	0.00	0.0%	1.0	9013.7	9506.8	493.1	5.5%	SQ M	
Teacherages	1940.0	2162.9	222.9	11.5%	21922.0	23099.0	1177.0	5.4%	11.91	12.09	0.18	1.5%	1.0	1940.0	2162.9	222.9	11.5%	SQ M	
Student Residences	0.0	140.7	140.7	N/A	0.0	2520.0	2520.0	N/A	42.63	43.27	0.64	1.5%	1.0	0.0	140.7	140.7	N/A	SQ M	
TOTAL EDUCATION	10953.7	11810.4	858.7	7.8%										10953.7	11810.4	858.7	7.8%		
GROUP 1																			
FIRE																			
Fire Stations	393.8	435.1	41.3	10.5%	9925.0	10570.0	645.0	6.5%	21.31	21.64	0.33	1.5%	0.9	354.4	391.6	37.2	10.5%	SQ M	
Mini-pumper	105.9	119.4	13.5	12.7%	13.0	14.0	1.0	7.7%	6500.00	6598.15	98.15	1.5%	0.9	95.3	107.5	12.2	12.7%	EACH	
Triple-pumper	487.3	529.5	42.2	8.7%	59.0	63.0	4.0	6.8%	7320.00	7430.53	110.53	1.5%	0.9	438.6	476.6	38.0	8.7%	EACH	
Fire MTA	257.7	261.1	3.4	1.3%	26.0	31.0	5.0	19.2%					0.9	231.9	235.0	3.0	1.3%	EACH	
Total FIRE	1244.7	1345.1	100.4	8.1%										1120.2	1210.8	90.3	8.1%		
ROADS																			
Earth Roads	914.2	944.6	30.4	3.3%	314.0	371.0	57.0	18.2%	2620.00	2620.00	0.00	0.0%	0.9	822.8	850.1	27.4	3.3%	KM	
Gravel Roads	4809.0	5513.7	704.7	14.7%	1130.0	1250.0	120.0	10.6%	3820.00	3820.00	0.00	0.0%	0.9	4328.1	4962.3	634.2	14.7%	KM	
Surface Treated Roads	737.1	783.8	46.7	6.3%	236.0	244.0	8.0	3.4%	3250.00	3250.00	0.00	0.0%	0.9	663.4	705.4	42.0	6.3%	KM	
Paved Roads	772.5	857.5	85.0	11.0%	235.0	260.0	25.0	10.6%	3250.00	3250.00	0.00	0.0%	0.9	695.3	771.8	76.5	11.0%	KM	
Vehicular Bridges	343.6	359.3	15.7	4.6%	13506.0	14104.0	598.0	4.4%	25.00	25.00	0.00	0.0%	0.9	309.2	323.4	14.1	4.6%	SQ M	
Pedestrian Bridges	40.1	44.0	3.9	9.7%	1452.0	1494.0	42.0	2.9%	25.00	25.00	0.00	0.0%	0.9	36.1	39.6	3.5	9.7%	SQ M	
Large Culverts	65.8	65.2	-0.6	-0.9%	2617.0	2617.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	59.2	58.7	-0.5	-0.9%	SQ M	
Roads MTA	1077.0	984.3	-92.7	-8.6%	17.0	30.0	13.0	76.5%					0.9	969.3	885.9	-83.4	-8.6%	EACH	
Total ROADS	8759.3	9552.4	793.1	9.1%										7883.3	8597.2	713.8	9.1%		
ELECTRICAL																			
Transmission	122.0	124.0	2.0	1.6%	43.0	43.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%	0.9	109.8	111.6	1.8	1.6%	KM	
Distribution	380.9	398.3	17.4	4.6%	59.0	60.0	1.0	1.7%	2240.00	2273.82	33.82	1.5%	0.9	342.8	358.5	15.7	4.6%	KM	
Street Lights	194.9	240.7	45.8	23.5%	1271.0	1499.0	228.0	17.9%	105.00	106.59	1.59	1.5%	0.9	175.4	216.6	41.2	23.5%	EACH	
Generators	2535.3	3434.2	898.9	35.5%	26.0	24.0	-2.0	-7.7%					0.9	2281.8	3090.8	809.0	35.5%	EACH	
Street Light MTA	2.6	2.6	0.0	0.8%	1.0	2.0	1.0	100.0%					0.9	2.3	2.3	0.0	0.8%	EACH	
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Total ELECTRICAL	3235.7	4199.8	964.1	29.8%										2912.1	3779.8	887.7	29.8%		
TOTAL GROUP 1	13239.7	15097.3	1857.8	14.0%										11915.7	13587.6	1871.9	14.0%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		92	93	QTY		COST		FTR	NFR		92	93	INC				
		AMT	INC			AMT	%	AMT	%		92	93			AMT	%		AMT	%
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	731.5	977.6	246.1	33.6%	340370.0	458239.0	117869.0	34.6%	1.82	1.85	0.03	1.6%	0.8	585.2	782.1	196.9	33.6%	M	
- watermains-heated	93.3	101.0	7.7	8.3%	22524.0	23752.0	1228.0	5.5%	2.97	3.01	0.04	1.3%	0.8	74.6	80.8	6.2	8.3%	M	
- storage reservoirs	55.9	75.2	19.3	34.5%	67.0	88.0	21.0	31.3%	650.00	659.82	9.82	1.5%	0.8	44.7	60.2	15.4	34.5%	EACH	
- standpipes	86.8	91.1	4.3	5.0%	71.0	73.0	2.0	2.8%	640.00	649.66	9.66	1.5%	0.8	69.4	72.9	3.4	5.0%	EACH	
Pumphouses																			
- community wells	554.5	604.3	49.8	9.0%	161.0	180.0	19.0	11.8%	2700.00	2740.77	40.77	1.5%	0.8	443.6	483.4	39.8	9.0%	EACH	
- low level lift	137.2	174.6	37.4	27.3%	30.0	36.0	6.0	20.0%	3440.00	3491.94	51.94	1.5%	0.8	109.8	139.7	29.9	27.3%	EACH	
- high lift	1187.8	1143.5	-44.3	-3.7%	120.0	113.0	-7.0	-5.8%	7900.00	8019.29	119.29	1.5%	0.8	950.2	914.8	-35.4	-3.7%	EACH	
Treatment Facilities																			
- system	479.0	646.4	167.4	34.9%	19.0	25.0	6.0	31.6%	18240.00	18515.42	275.42	1.5%	0.8	383.2	517.1	133.9	34.9%	EACH	
- unit	76.8	91.8	15.0	19.5%	20.0	23.0	3.0	15.0%	3000.00	3045.30	45.30	1.5%	0.8	61.4	73.4	12.0	19.5%	EACH	
Water MTA	120.7	127.1	6.4	5.3%	7.0	10.0	3.0	42.9%					0.8	96.6	101.7	5.1	5.3%	EACH	
Water Delivery	765.3	1096.8	331.5	43.3%	14.0	20.0	6.0	42.9%	38300.00	38878.33	578.33	1.5%	0.8	612.2	877.4	265.2	43.3%	EACH	
Water Delivery (Unmod)	74.4	127.0	52.6	70.7%	3.0	5.0	2.0	66.7%	21860.00	22190.09	330.09	1.5%	0.8	59.5	101.6	42.1	70.7%	EACH	
Total WATER	4363.2	5256.4	893.2	20.5%										3490.6	4205.1	714.6	20.5%		
WASTEWATER																			
Collection																			
- gravity mains	128.0	161.4	33.4	26.1%	103237.0	120106.0	16869.0	16.3%	0.94	0.96	0.02	2.1%	0.8	102.4	129.1	26.7	26.1%	M	
Lift Stations	593.1	689.2	96.1	16.2%	75.0	83.0	8.0	10.7%	5850.00	5938.34	88.34	1.5%	0.8	474.5	551.4	76.9	16.2%	EACH	
Treatment and Disposal																			
- RBC/trickling filter	301.7	407.2	105.5	35.0%	13.0	19.0	6.0	46.2%	16700.00	16952.17	252.17	1.5%	0.8	241.4	325.8	84.4	35.0%	EACH	
- extended aeration	71.1	52.9	-18.2	-25.6%	3.0	2.0	-1.0	-33.3%	18990.00	19276.75	286.75	1.5%	0.8	56.9	42.3	-14.6	-25.6%	EACH	
- sewage lagoon	80.7	96.3	15.6	19.3%	19.0	23.0	4.0	21.1%	3340.00	3390.43	50.43	1.5%	0.8	64.6	77.0	12.5	19.3%	EACH	
- aerated lagoon	26.6	27.2	0.6	2.3%	2.0	2.0	0.0	0.0%	7330.00	7440.68	110.68	1.5%	0.8	21.3	21.8	0.5	2.3%	EACH	
- septic/holding tank	34.5	32.6	-1.9	-5.5%	75.0	69.0	-6.0	-8.0%	300.00	304.53	4.53	1.5%	0.8	27.6	26.1	-1.5	-5.5%	EACH	
- jet pump disposal	9.2	9.4	0.2	2.2%	13.0	13.0	0.0	0.0%	710.00	720.72	10.72	1.5%	0.8	7.4	7.5	0.2	2.2%	EACH	
Wastewater MTA	235.8	127.4	-108.4	-46.0%	4.0	7.0	3.0	75.0%					0.8	188.6	101.9	-86.7	-46.0%	EACH	
Liquid Waste Coll.	623.3	840.7	217.4	34.9%	10.0	13.0	3.0	30.0%	38500.00	39081.35	581.35	1.5%	0.8	498.6	672.6	173.9	34.9%	EACH	
Liq Waste Coll (Unmod)	0.0	74.4	74.4	N/A	0.0	2.0	2.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	59.5	59.5	N/A	EACH	
Total WASTEWATER	2104.0	2518.7	414.7	19.7%										1683.2	2015.0	331.8	19.7%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		92	93	QTY		COST		FTR	NFR		92	93	INC				
		AMT	INC			AMT	%	AMT	%		92	93			AMT	%		AMT	%
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	731.5	977.6	246.1	33.6%	340370.0	458239.0	117869.0	34.6%	1.82	1.85	0.03	1.6%	0.8	585.2	782.1	196.9	33.6%	M	
- watermains-heated	93.3	101.0	7.7	8.3%	22524.0	23752.0	1228.0	5.5%	2.97	3.01	0.04	1.3%	0.8	74.6	80.8	6.2	8.3%	M	
- storage reservoirs	55.9	75.2	19.3	34.5%	67.0	88.0	21.0	31.3%	650.00	659.82	9.82	1.5%	0.8	44.7	60.2	15.4	34.5%	EACH	
- standpipes	86.8	91.1	4.3	5.0%	71.0	73.0	2.0	2.8%	640.00	649.66	9.66	1.5%	0.8	69.4	72.9	3.4	5.0%	EACH	
Pumphouses																			
- community wells	554.5	604.3	49.8	9.0%	161.0	180.0	19.0	11.8%	2700.00	2740.77	40.77	1.5%	0.8	443.6	483.4	39.8	9.0%	EACH	
- low level lift	137.2	174.6	37.4	27.3%	30.0	36.0	6.0	20.0%	3440.00	3491.94	51.94	1.5%	0.8	109.8	139.7	29.9	27.3%	EACH	
- high lift	1187.8	1143.5	-44.3	-3.7%	120.0	113.0	-7.0	-5.8%	7900.00	8019.29	119.29	1.5%	0.8	950.2	914.8	-35.4	-3.7%	EACH	
Treatment Facilities																			
- system	479.0	646.4	167.4	34.9%	19.0	25.0	6.0	31.6%	18240.00	18515.42	275.42	1.5%	0.8	383.2	517.1	133.9	34.9%	EACH	
- unit	76.8	91.8	15.0	19.5%	20.0	23.0	3.0	15.0%	3000.00	3045.30	45.30	1.5%	0.8	61.4	73.4	12.0	19.5%	EACH	
Water MTA	120.7	127.1	6.4	5.3%	7.0	10.0	3.0	42.9%					0.8	96.6	101.7	5.1	5.3%	EACH	
Water Delivery	765.3	1096.8	331.5	43.3%	14.0	20.0	6.0	42.9%	38300.00	38878.33	578.33	1.5%	0.8	612.2	877.4	265.2	43.3%	EACH	
Water Delivery (Unmod)	74.4	127.0	52.6	70.7%	3.0	5.0	2.0	66.7%	21860.00	22190.09	330.09	1.5%	0.8	59.5	101.6	42.1	70.7%	EACH	
Total WATER	4363.2	5256.4	893.2	20.5%										3490.6	4205.1	714.6	20.5%		
WASTEWATER																			
Collection																			
- gravity mains	128.0	161.4	33.4	26.1%	103237.0	120106.0	16869.0	16.3%	0.94	0.96	0.02	2.1%	0.8	102.4	129.1	26.7	26.1%	M	
Lift Stations	593.1	689.2	96.1	16.2%	75.0	83.0	8.0	10.7%	5850.00	5938.34	88.34	1.5%	0.8	474.5	551.4	76.9	16.2%	EACH	
Treatment and Disposal																			
- RBC/trickling filter	301.7	407.2	105.5	35.0%	13.0	19.0	6.0	46.2%	16700.00	16952.17	252.17	1.5%	0.8	241.4	325.8	84.4	35.0%	EACH	
- extended aeration	71.1	52.9	-18.2	-25.6%	3.0	2.0	-1.0	-33.3%	18990.00	19276.75	286.75	1.5%	0.8	56.9	42.3	-14.6	-25.6%	EACH	
- sewage lagoon	80.7	96.3	15.6	19.3%	19.0	23.0	4.0	21.1%	3340.00	3390.43	50.43	1.5%	0.8	64.6	77.0	12.5	19.3%	EACH	
- aerated lagoon	26.6	27.2	0.6	2.3%	2.0	2.0	0.0	0.0%	7330.00	7440.68	110.68	1.5%	0.8	21.3	21.8	0.5	2.3%	EACH	
- septic/holding tank	34.5	32.6	-1.9	-5.5%	75.0	69.0	-6.0	-8.0%	300.00	304.53	4.53	1.5%	0.8	27.6	26.1	-1.5	-5.5%	EACH	
- jet pump disposal	9.2	9.4	0.2	2.2%	13.0	13.0	0.0	0.0%	710.00	720.72	10.72	1.5%	0.8	7.4	7.5	0.2	2.2%	EACH	
Wastewater MTA	235.8	127.4	-108.4	-46.0%	4.0	7.0	3.0	75.0%					0.8	188.6	101.9	-86.7	-46.0%	EACH	
Liquid Waste Coll.	623.3	840.7	217.4	34.9%	10.0	13.0	3.0	30.0%	38500.00	39081.35	581.35	1.5%	0.8	498.6	672.6	173.9	34.9%	EACH	
Liq Waste Coll (Unmod)	0.0	74.4	74.4	N/A	0.0	2.0	2.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	59.5	59.5	N/A	EACH	
Total WASTEWATER	2104.0	2518.7	414.7	19.7%										1683.2	2015.0	331.8	19.7%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR AMT	93 GFR		QTY				COST				NFR					
			AMT	INC %	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
SOLID WASTE																		
Landfill	296.8	308.2	11.4	3.8%	32.0	33.0	1.0	3.1%	8150.00	8273.07	123.07	1.5%	0.8	237.4	246.6	9.1	3.8%	EACH
Refuse Site	185.3	148.2	-37.1	-20.0%	61.0	57.0	-4.0	-6.6%	2000.00	2030.20	30.20	1.5%	0.8	148.2	118.8	-29.7	-20.0%	EACH
Incinerator	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	10980.90	11146.71	165.81	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Solid Waste MTA	319.4	500.1	180.7	56.6%	22.0	28.0	6.0	27.3%					0.8	255.5	400.1	144.5	56.6%	EACH
Refuse Coll. Truck	343.4	414.6	71.2	20.7%	7.0	8.0	1.0	14.3%	39330.00	39923.88	593.88	1.5%	0.8	274.7	331.7	57.0	20.7%	EACH
Ref. Coll. Tr (Unmod)	445.4	405.1	-40.3	-9.0%	15.0	14.0	-1.0	-6.7%	21860.00	22190.09	330.09	1.5%	0.8	356.3	324.1	-32.2	-9.0%	EACH
Total SOLID WASTE	1590.3	1776.2	185.9	11.7%										1272.3	1421.0	148.7	11.7%	
OTHER																		
Utility	522.9	693.2	170.3	32.6%	11823.0	13941.0	2118.0	17.9%	16.23	16.48	0.25	1.5%	0.8	418.3	554.6	136.2	32.6%	SQ M
Other MTA	26.7	43.9	17.2	64.3%	0.0	9.0	9.0	N/A					0.8	21.4	35.1	13.7	64.3%	EACH
Total OTHER	549.6	737.1	187.5	34.1%										439.7	589.7	150.0	34.1%	
TOTAL GROUP 2	8607.1	10288.4	1681.3	19.5%										6885.7	8230.7	1345.0	19.5%	
GROUP 3																		
Administrative	3320.9	3875.9	555.0	16.7%	49705.0	55883.0	6178.0	12.4%	38.36	38.94	0.58	1.5%	0.2	664.2	775.2	111.0	16.7%	SQ M
Daycare Center	827.0	969.6	142.6	17.2%	11995.0	13239.0	1244.0	10.4%	46.83	47.54	0.71	1.5%	0.2	165.4	193.9	28.5	17.2%	SQ M
Recreational	2874.2	3249.6	375.4	13.1%	78620.0	87109.0	8489.0	10.8%	24.37	24.74	0.37	1.5%	0.2	574.8	649.9	75.1	13.1%	SQ M
Operative	1927.8	2536.7	608.9	31.6%	45918.0	54568.0	8650.0	18.8%	16.01	16.25	0.24	1.5%	0.2	385.6	507.3	121.8	31.6%	SQ M
TOTAL GROUP 3	8949.9	10631.8	1681.9	18.8%										1790.0	2126.4	336.4	18.8%	
GROUP 4																		
Wastewater Trtmt PGM	35.7	45.0	9.4	26.2%	37.0	46.0	9.0	24.3%	876.97	890.21	13.24	1.5%	1.0	35.7	45.0	9.4	26.2%	EACH
TOTAL GROUP 4	35.7	45.0	9.4	26.2%										35.7	45.0	9.4	26.2%	
REGIONAL TOTALS	41786.1	47872.9	6086.9	14.6%										31580.8	35800.1	4219.3	13.4%	

APPENDIX 5-1: MANITOBA REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST			
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC	
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%
EDUCATION																			
Schools	10514.0	10620.0	106.0	1.0%	10955.5	441.5	4.2%	11061.5	547.5	5.2%	113137.0	114987.0	1850.0	1.6%	46.83	46.83	0.00	0.0%	
Teacherages	2500.5	2577.8	77.3	3.1%	2918.2	417.7	16.7%	2995.5	495.0	19.8%	35939.0	36820.0	881.0	2.5%	11.91	12.09	0.18	1.5%	
Student Residences	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	42.63	43.27	0.64	1.5%	
TOTAL EDUCATION	13014.5	13197.8	183.3	1.4%	13873.7	859.2	6.6%	14057.0	1042.5	8.0%									
GROUP 1																			
FIRE																			
Fire Stations	315.2	323.7	8.5	2.7%	407.9	92.7	29.4%	416.4	101.2	32.1%	5122.0	6147.0	1025.0	20.0%	21.31	21.64	0.33	1.5%	
Mini-pumper	36.4	37.7	1.3	3.6%	43.1	6.7	18.4%	44.4	8.0	22.0%	5.0	6.0	1.0	20.0%	6500.00	6598.15	98.15	1.5%	
Triple-pumper	259.1	265.7	6.6	2.5%	298.6	39.5	15.2%	305.2	46.1	17.8%	31.0	37.0	6.0	19.4%	7320.00	7430.53	110.53	1.5%	
Fire MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A					
Total FIRE	610.7	627.1	16.4	2.7%	749.6	138.9	22.7%	766.0	155.3	25.4%									
ROADS																			
Earth Roads	292.1	295.8	3.7	1.3%	304.1	12.0	4.1%	307.8	15.7	5.4%	122.0	126.0	4.0	3.3%	2620.00	2620.00	0.00	0.0%	
Gravel Roads	3767.0	3815.8	48.8	1.3%	3913.3	146.3	3.9%	3962.1	195.1	5.2%	1171.0	1229.0	58.0	5.0%	3820.00	3820.00	0.00	0.0%	
Surface Treated Roads	2.6	2.7	0.1	3.8%	2.6	0.0	0.0%	2.7	0.1	3.8%	1.0	1.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	
Paved Roads	57.6	58.4	0.8	1.4%	56.9	-0.7	-1.2%	57.7	0.1	0.2%	25.0	25.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	
Vehicular Bridges	147.1	150.1	3.0	2.0%	152.2	5.1	3.5%	155.2	8.1	5.5%	5709.0	5902.0	193.0	3.4%	25.00	25.00	0.00	0.0%	
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%	
Large Culverts	3.8	3.9	0.1	2.6%	-0.1	-3.9	-102.6%	0.0	-3.8	-100.0%	150.0	0.0	-150.0	-100.0%	25.00	25.00	0.00	0.0%	
Roads MTA	10.0	10.0	0.0	0.0%	10.0	0.0	0.0%	10.0	0.0	0.0%	1.0	1.0	0.0	0.0%					
Total ROADS	4280.2	4336.7	56.5	1.3%	4439.0	158.8	3.7%	4495.5	215.3	5.0%									
ELECTRICAL																			
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%	
Street Lights	1.2	1.2	0.0	0.0%	1.2	0.0	0.0%	1.2	0.0	0.0%	9.0	9.0	0.0	0.0%	105.00	106.59	1.59	1.5%	
Generators	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A					
Street Light MTA	96.1	104.2	8.1	8.5%	96.1	0.0	0.0%	104.2	8.1	8.5%	27.0	27.0	0.0	0.0%					
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A					
Total ELECTRICAL	97.3	105.4	8.1	8.4%	97.3	0.0	0.0%	105.4	8.1	8.4%									
TOTAL GROUP 1	4988.2	5069.2	81.0	1.6%	5285.9	297.7	6.0%	5366.9	378.7	7.6%									

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST			
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC	
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	309.8	319.0	9.2	3.0%	346.4	36.6	11.8%	355.6	45.8	14.8%	130797.0	151949.0	21152.0	16.2%	1.82	1.85	0.03	1.6%	
- watermains-heated	77.3	79.5	2.2	2.8%	83.5	6.2	8.0%	85.7	8.4	10.9%	23301.0	25577.0	2276.0	9.8%	2.97	3.01	0.04	1.3%	
- storage reservoirs	40.2	41.5	1.3	3.2%	44.0	3.8	9.5%	45.3	5.1	12.7%	49.0	55.0	6.0	12.2%	650.00	659.82	9.82	1.5%	
- standpipes	91.6	94.9	3.3	3.6%	85.5	-6.1	-6.7%	88.8	-2.8	-3.1%	86.0	82.0	-4.0	-4.7%	640.00	649.66	9.66	1.5%	
Pumphouses																			
- community wells	294.1	301.7	7.6	2.6%	256.5	-37.6	-12.8%	264.1	-30.0	-10.2%	102.0	105.0	3.0	2.9%	2700.00	2740.77	40.77	1.5%	
- low level lift	143.5	147.3	3.8	2.6%	145.9	2.4	1.7%	149.7	6.2	4.3%	32.0	33.0	1.0	3.1%	3440.00	3491.94	51.94	1.5%	
- high lift	753.9	773.5	19.6	2.6%	731.2	-22.7	-3.0%	750.8	-3.1	-0.4%	71.0	70.0	-1.0	-1.4%	7900.00	8019.29	119.29	1.5%	
Treatment Facilities																			
- system	387.7	397.7	10.0	2.6%	400.0	12.3	3.2%	410.0	22.3	5.8%	17.0	18.0	1.0	5.9%	18240.00	18515.42	275.42	1.5%	
- unit	65.2	66.8	1.6	2.5%	65.2	0.0	0.0%	66.8	1.6	2.5%	18.0	18.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%	
Water MTA	480.4	431.8	-48.6	-10.1%	480.4	0.0	0.0%	431.8	-48.6	-10.1%	12.0	12.0	0.0	0.0%					
Water Delivery	3947.0	4047.0	100.0	2.5%	3834.4	-112.6	-2.9%	3934.4	-12.6	-0.3%	85.0	86.0	1.0	1.2%	38300.00	38878.33	578.33	1.5%	
Water Delivery (Unmod)	72.6	74.4	1.8	2.5%	72.6	0.0	0.0%	74.4	1.8	2.5%	2.0	2.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	
Total WATER	6663.3	6775.1	111.8	1.7%	6545.6	-117.7	-1.8%	6657.4	-5.9	-0.1%									
WASTEWATER																			
Collection																			
- gravity mains	82.5	85.1	2.6	3.2%	108.4	25.9	31.4%	111.0	28.5	34.5%	65094.0	88303.0	23209.0	35.7%	0.94	0.96	0.02	2.1%	
Lift Stations	296.5	305.9	9.4	3.2%	358.8	62.3	21.0%	368.2	71.7	24.2%	44.0	54.0	10.0	22.7%	5850.00	5938.34	88.34	1.5%	
Treatment and Disposal																			
- RBC/trickling filter	105.9	108.6	2.7	2.5%	92.0	-13.9	-13.1%	94.7	-11.2	-10.6%	4.0	4.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	
- extended aeration	290.6	298.1	7.5	2.6%	329.3	38.7	13.3%	336.8	46.2	15.9%	10.0	12.0	2.0	20.0%	18990.00	19276.75	286.75	1.5%	
- sewage lagoon	103.4	106.0	2.6	2.5%	105.7	2.3	2.2%	108.3	4.9	4.7%	26.0	27.0	1.0	3.8%	3340.00	3390.43	50.43	1.5%	
- aerated lagoon	8.5	8.7	0.2	2.4%	7.5	-1.0	-11.8%	7.7	-0.8	-9.4%	1.0	1.0	0.0	0.0%	7330.00	7440.68	110.68	1.5%	
- septic/holding tank	86.1	88.3	2.2	2.6%	87.1	1.0	1.2%	89.3	3.2	3.7%	236.0	262.0	26.0	11.0%	300.00	304.53	4.53	1.5%	
- jet pump disposal	0.7	0.7	0.0	0.0%	0.7	0.0	0.0%	0.7	0.0	0.0%	1.0	1.0	0.0	0.0%	710.00	720.72	10.72	1.5%	
Wastewater MTA	352.5	251.2	-101.3	-28.7%	352.5	0.0	0.0%	251.2	-101.3	-28.7%	12.0	12.0	0.0	0.0%					
Liquid Waste Coll.	1007.5	1032.9	25.4	2.5%	1119.4	111.9	11.1%	1144.8	137.3	13.6%	22.0	26.0	4.0	18.2%	38500.00	39081.35	581.35	1.5%	
Liq Waste Coll (Unmod)	72.6	74.4	1.8	2.5%	72.6	0.0	0.0%	74.4	1.8	2.5%	2.0	2.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	
Total WASTEWATER	2406.8	2359.9	-46.9	-1.9%	2634.0	227.2	9.4%	2587.1	180.3	7.5%									

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST			
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC	
				AMT	%		AMT	%		AMT	%			AMT	%				
SOLID WASTE																			
Landfill	432.5	443.3	10.8	2.5%	419.7	-12.8	-3.0%	430.5	-2.0	-0.5%	38.0	39.0	1.0	2.6%	8150.00	8273.07	123.07	1.5%	
Refuse Site	48.1	49.3	1.2	2.5%	45.5	-2.6	-5.4%	46.7	-1.4	-2.9%	20.0	20.0	0.0	0.0%	2000.00	2030.20	30.20	1.5%	
Incinerator	38.7	39.7	1.0	2.6%	38.7	0.0	0.0%	39.7	1.0	2.6%	2.0	2.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%	
Solid Waste MTA	580.4	572.9	-7.5	-1.3%	580.4	0.0	0.0%	572.9	-7.5	-1.3%	21.0	23.0	2.0	9.5%					
Refuse Coll. Truck	352.4	361.3	8.9	2.5%	366.5	14.1	4.0%	375.4	23.0	6.5%	8.0	9.0	1.0	12.5%	39330.00	39923.88	593.88	1.5%	
Ref. Coll. Tr (Unmod)	736.6	755.3	18.7	2.5%	731.3	-5.3	-0.7%	750.0	13.4	1.8%	26.0	27.0	1.0	3.8%	21860.00	22190.09	330.09	1.5%	
Total SOLID WASTE	2188.7	2221.8	33.1	1.5%	2182.1	-6.8	-0.3%	2215.2	28.5	1.2%									
OTHER																			
Utility	457.5	470.4	12.9	2.8%	554.1	96.6	21.1%	567.0	109.5	23.9%	7121.0	8167.0	1046.0	14.7%	16.23	18.48	0.25	1.5%	
Other MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A					
Total OTHER	457.5	470.4	12.9	2.8%	554.1	98.8	21.1%	587.0	109.5	23.9%									
TOTAL GROUP 2	11718.3	11827.2	110.9	0.9%	11915.8	199.5	1.7%	12026.7	310.4	2.8%									
GROUP 3																			
Administrative	2226.4	2289.3	62.9	2.8%	2427.6	201.2	9.0%	2490.5	264.1	11.9%	26577.0	28563.0	1986.0	7.5%	38.36	38.94	0.58	1.5%	
Daycare Center	122.5	125.8	3.3	2.7%	130.8	8.3	6.8%	134.1	11.6	9.5%	1546.0	1666.0	120.0	7.8%	46.83	47.54	0.71	1.5%	
Recreational	2771.8	2856.9	85.1	3.1%	2876.5	104.7	3.8%	2961.6	189.8	6.8%	65721.0	70009.0	4288.0	6.5%	24.37	24.74	0.37	1.5%	
Operative	2052.1	2107.2	55.1	2.7%	2364.6	312.5	15.2%	2419.7	367.6	17.9%	43832.0	49214.0	5382.0	12.3%	16.01	16.25	0.24	1.5%	
TOTAL GROUP 3	7172.8	7379.2	208.4	2.9%	7799.5	828.7	8.7%	8005.9	833.1	11.8%									
GROUP 4																			
Wastewater Trtmt PGM	34.0	34.6	0.5	1.5%	36.6	2.5	7.4%	37.1	3.0	8.9%	41.0	44.0	3.0	7.3%	876.97	890.21	13.24	1.5%	
TOTAL GROUP 4	34.0	34.8	0.5	1.5%	38.8	2.5	7.4%	37.1	3.0	8.9%									
REGIONAL TOTALS	38925.8	37508.0	582.2	1.8%	38911.4	1985.8	5.4%	39493.8	2587.8	7.0%									

APPENDIX 5-2: MANITOBA REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC AMT	%	92	93	INC		92	93	INC		FTR	92	93	INC			
							AMT	%			AMT	%				AMT		%	
EDUCATION																			
Schools	10514.0	11061.5	547.5	5.2%	113137.0	114987.0	1850.0	1.6%	46.83	46.83	0.00	0.0%	1.0	10514.0	11061.5	547.5	5.2%	SQ M	
Teacherages	2500.5	2995.5	495.0	19.8%	35939.0	36820.0	881.0	2.5%	11.91	12.09	0.18	1.5%	1.0	2500.5	2995.5	495.0	19.8%	SQ M	
Student Residences	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	42.63	43.27	0.64	1.5%	1.0	0.0	0.0	0.0	N/A	SQ M	
TOTAL EDUCATION	13014.5	14057.0	1042.5	8.0%										13014.5	14057.0	1042.5	8.0%		
GROUP 1																			
FIRE																			
Fire Stations	315.2	416.4	101.2	32.1%	5122.0	6147.0	1025.0	20.0%	21.31	21.64	0.33	1.5%	0.9	283.7	374.8	91.1	32.1%	SQ M	
Mini-pumper	36.4	44.4	8.0	22.0%	5.0	6.0	1.0	20.0%	6500.00	6598.15	98.15	1.5%	0.9	32.8	40.0	7.2	22.0%	EACH	
Triple-pumper	259.1	305.2	46.1	17.8%	31.0	37.0	6.0	19.4%	7320.00	7430.53	110.53	1.5%	0.9	233.2	274.7	41.5	17.8%	EACH	
Fire MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Total FIRE	610.7	788.0	155.3	25.4%										549.6	689.4	139.8	25.4%		
ROADS																			
Earth Roads	292.1	307.8	15.7	5.4%	122.0	126.0	4.0	3.3%	2620.00	2620.00	0.00	0.0%	0.9	262.9	277.0	14.1	5.4%	KM	
Gravel Roads	3767.0	3962.1	195.1	5.2%	1171.0	1229.0	58.0	5.0%	3820.00	3820.00	0.00	0.0%	0.9	3390.3	3565.9	175.6	5.2%	KM	
Surface Treated Roads	2.6	2.7	0.1	3.8%	1.0	1.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	2.3	2.4	0.1	3.8%	KM	
Paved Roads	57.6	57.7	0.1	0.2%	25.0	25.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	51.8	51.9	0.1	0.2%	KM	
Vehicular Bridges	147.1	155.2	8.1	5.5%	5709.0	5902.0	193.0	3.4%	25.00	25.00	0.00	0.0%	0.9	132.4	139.7	7.3	5.5%	SQ M	
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	SQ M	
Large Culverts	3.8	0.0	-3.8	-100.0%	150.0	0.0	-150.0	-100.0%	25.00	25.00	0.00	0.0%	0.9	3.4	0.0	-3.4	-100.0%	SQ M	
Roads MTA	10.0	10.0	0.0	0.0%	1.0	1.0	0.0	0.0%					0.9	9.0	9.0	0.0	0.0%	EACH	
Total ROADS	4280.2	4495.5	215.3	5.0%										3852.2	4048.0	193.8	5.0%		
ELECTRICAL																			
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	0.9	0.0	0.0	0.0	N/A	KM	
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%	0.9	0.0	0.0	0.0	N/A	KM	
Street Lights	1.2	1.2	0.0	0.0%	9.0	9.0	0.0	0.0%	105.00	106.59	1.59	1.5%	0.9	1.1	1.1	0.0	0.0%	EACH	
Generators	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Street Light MTA	96.1	104.2	8.1	8.5%	27.0	27.0	0.0	0.0%					0.9	86.5	93.8	7.3	8.5%	EACH	
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Total ELECTRICAL	97.3	105.4	8.1	8.4%										87.5	94.9	7.3	8.4%		
TOTAL GROUP 1	4988.2	5366.9	378.7	7.6%										4489.4	4830.2	340.9	7.6%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR			QTY				COST				NFR					
		AMT	INC	%	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	309.8	355.6	45.8	14.8%	130797.0	151949.0	21152.0	16.2%	1.82	1.85	0.03	1.6%	0.8	247.8	284.5	36.6	14.8%	M
- watermains-heated	77.3	85.7	8.4	10.9%	23301.0	25577.0	2276.0	9.8%	2.97	3.01	0.04	1.3%	0.8	61.8	68.6	6.7	10.9%	M
- storage reservoirs	40.2	45.3	5.1	12.7%	49.0	55.0	6.0	12.2%	650.00	659.82	9.82	1.5%	0.8	32.2	36.2	4.1	12.7%	EACH
- standpipes	91.6	88.8	-2.8	-3.1%	86.0	82.0	-4.0	-4.7%	640.00	649.66	9.66	1.5%	0.8	73.3	71.0	-2.2	-3.1%	EACH
Pumphouses																		
- community wells	294.1	264.1	-30.0	-10.2%	102.0	105.0	3.0	2.9%	2700.00	2740.77	40.77	1.5%	0.8	235.3	211.3	-24.0	-10.2%	EACH
- low level lift	143.5	149.7	6.2	4.3%	32.0	33.0	1.0	3.1%	3440.00	3491.94	51.94	1.5%	0.8	114.8	119.8	5.0	4.3%	EACH
- high lift	753.9	750.8	-3.1	-0.4%	71.0	70.0	-1.0	-1.4%	7900.00	8019.29	119.29	1.5%	0.8	603.1	600.6	-2.5	-0.4%	EACH
Treatment Facilities																		
- system	387.7	410.0	22.3	5.8%	17.0	18.0	1.0	5.9%	18240.00	18515.42	275.42	1.5%	0.8	310.2	328.0	17.8	5.8%	EACH
- unit	65.2	66.8	1.6	2.5%	18.0	18.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%	0.8	52.2	53.4	1.3	2.5%	EACH
Water MTA	480.4	431.8	-48.6	-10.1%	12.0	12.0	0.0	0.0%					0.8	384.3	345.4	-38.9	-10.1%	EACH
Water Delivery	3947.0	3934.4	-12.6	-0.3%	85.0	86.0	1.0	1.2%	38300.00	38878.33	578.33	1.5%	0.8	3157.6	3147.5	-10.1	-0.3%	EACH
Water Delivery (Unmod)	72.6	74.4	1.8	2.5%	2.0	2.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	58.1	59.5	1.4	2.5%	EACH
Total WATER	6663.3	6657.4	-5.9	-0.1%										5330.6	5325.9	-4.7	-0.1%	
WASTEWATER																		
Collection																		
- gravity mains	82.5	111.0	28.5	34.5%	65094.0	88303.0	23209.0	35.7%	0.94	0.96	0.02	2.1%	0.8	66.0	88.8	22.8	34.5%	M
Lift Stations	296.5	368.2	71.7	24.2%	44.0	54.0	10.0	22.7%	5850.00	5938.34	88.34	1.5%	0.8	237.2	294.6	57.4	24.2%	EACH
Treatment and Disposal																		
- RBC/trickling filter	105.9	94.7	-11.2	-10.6%	4.0	4.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	0.8	84.7	75.8	-9.0	-10.6%	EACH
- extended aeration	290.6	336.8	46.2	15.9%	10.0	12.0	2.0	20.0%	18990.00	19276.75	286.75	1.5%	0.8	232.5	269.4	37.0	15.9%	EACH
- sewage lagoon	103.4	108.3	4.9	4.7%	26.0	27.0	1.0	3.8%	3340.00	3390.43	50.43	1.5%	0.8	82.7	86.6	3.9	4.7%	EACH
- aerated lagoon	8.5	7.7	-0.8	-9.4%	1.0	1.0	0.0	0.0%	7330.00	7440.68	110.68	1.5%	0.8	6.8	6.2	-0.6	-9.4%	EACH
- septic/holding tank	86.1	89.3	3.2	3.7%	236.0	262.0	26.0	11.0%	300.00	304.53	4.53	1.5%	0.8	68.9	71.4	2.6	3.7%	EACH
- jet pump disposal	0.7	0.7	0.0	0.0%	1.0	1.0	0.0	0.0%	710.00	720.72	10.72	1.5%	0.8	0.6	0.6	0.0	0.0%	EACH
Wastewater MTA	352.5	251.2	-101.3	-28.7%	12.0	12.0	0.0	0.0%					0.8	282.0	201.0	-81.0	-28.7%	EACH
Liquid Waste Coll.	1007.5	1144.8	137.3	13.6%	22.0	26.0	4.0	18.2%	38500.00	39081.35	581.35	1.5%	0.8	806.0	915.8	109.8	13.6%	EACH
Liq Waste Coll (Unmod)	72.6	74.4	1.8	2.5%	2.0	2.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	58.1	59.5	1.4	2.5%	EACH
Total WASTEWATER	2406.8	2587.1	180.3	7.5%										1925.4	2069.7	144.2	7.5%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR AMT	93 GFR INC		QTY				COST				NFR					
			AMT	%	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
SOLID WASTE																		
Landfill	432.5	430.5	-2.0	-0.5%	38.0	39.0	1.0	2.6%	8150.00	8273.07	123.07	1.5%	0.8	346.0	344.4	-1.8	-0.5%	EACH
Refuse Site	48.1	46.7	-1.4	-2.9%	20.0	20.0	0.0	0.0%	2000.00	2030.20	30.20	1.5%	0.8	38.5	37.4	-1.1	-2.9%	EACH
Incinerator	38.7	39.7	1.0	2.6%	2.0	2.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%	0.8	31.0	31.8	0.8	2.6%	EACH
Solid Waste MTA	580.4	572.9	-7.5	-1.3%	21.0	23.0	2.0	9.5%					0.8	464.3	458.3	-6.0	-1.3%	EACH
Refuse Coll. Truck	352.4	375.4	23.0	6.5%	8.0	9.0	1.0	12.5%	39330.00	39923.88	593.88	1.5%	0.8	281.9	300.3	18.4	6.5%	EACH
Ref. Coll. Tr (Unmod)	736.6	750.0	13.4	1.8%	26.0	27.0	1.0	3.8%	21860.00	22190.09	330.09	1.5%	0.8	589.3	600.0	10.7	1.8%	EACH
Total SOLID WASTE	2188.7	2215.2	28.5	1.2%										1751.0	1772.2	21.2	1.2%	
OTHER																		
Utility	457.5	567.0	109.5	23.9%	7121.0	8167.0	1046.0	14.7%	16.23	16.48	0.25	1.5%	0.8	366.0	453.6	87.6	23.9%	SQ M
Other MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.8	0.0	0.0	0.0	N/A	EACH
Total OTHER	457.5	567.0	109.5	23.9%										366.0	453.6	87.6	23.9%	
TOTAL GROUP 2	11718.3	12026.7	310.4	2.6%										9373.0	9821.4	248.3	2.6%	
GROUP 3																		
Administrative	2226.4	2490.5	264.1	11.9%	26577.0	28563.0	1986.0	7.5%	38.36	38.94	0.58	1.5%	0.2	445.3	498.1	52.8	11.9%	SQ M
Daycare Center	122.5	134.1	11.6	9.5%	1546.0	1666.0	120.0	7.8%	46.83	47.54	0.71	1.5%	0.2	24.5	26.8	2.3	9.5%	SQ M
Recreational	2771.8	2961.6	189.8	6.8%	65721.0	70009.0	4288.0	6.5%	24.37	24.74	0.37	1.5%	0.2	554.4	592.3	38.0	6.8%	SQ M
Operative	2052.1	2419.7	367.6	17.9%	43832.0	49214.0	5382.0	12.3%	16.01	16.25	0.24	1.5%	0.2	410.4	483.9	73.5	17.9%	SQ M
TOTAL GROUP 3	7172.8	8005.9	833.1	11.6%										1434.8	1601.2	166.6	11.8%	
GROUP 4																		
Wastewater Trtmt PGM	34.0	37.1	3.0	8.9%	41.0	44.0	3.0	7.3%	876.97	890.21	13.24	1.5%	1.0	34.0	37.1	3.0	8.9%	EACH
TOTAL GROUP 4	34.0	37.1	3.0	8.9%										34.0	37.1	3.0	8.9%	
REGIONAL TOTALS	36925.8	39493.8	2567.8	7.0%										28345.5	30148.8	1801.4	6.4%	

APPENDIX 6-1: SASKATCHEWAN REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC		
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%	
EDUCATION																				
Schools	11433.8	11596.1	162.3	1.4%	11904.1	470.3	4.1%	12066.4	632.6	5.5%	129612.0	133027.0	3415.0	2.6%	46.83	46.83	0.00	0.0%		
Teacherages	1431.0	1467.6	36.6	2.6%	1513.2	82.2	5.7%	1549.8	118.8	8.3%	29089.0	29618.0	529.0	1.8%	11.91	12.09	0.18	1.5%		
Student Residences	2376.4	2451.4	75.0	3.2%	2419.0	42.6	1.8%	2494.0	117.6	4.9%	29559.0	29559.0	0.0	0.0%	42.63	43.27	0.64	1.5%		
TOTAL EDUCATION	15241.2	15515.1	273.9	1.8%	15836.3	595.1	3.9%	16110.2	869.0	5.7%										
GROUP 1																				
FIRE																				
Fire Stations	301.4	310.5	9.1	3.0%	307.7	6.3	2.1%	316.8	15.4	5.1%	5011.0	5011.0	0.0	0.0%	21.31	21.64	0.33	1.5%		
Mini-pumper	185.9	192.4	6.5	3.5%	191.9	6.0	3.2%	198.4	12.5	6.7%	26.0	27.0	1.0	3.8%	6500.00	6598.15	98.15	1.5%		
Triple-pumper	185.9	190.5	4.6	2.5%	187.3	1.4	0.8%	191.9	6.0	3.2%	23.0	23.0	0.0	0.0%	7320.00	7430.53	110.53	1.5%		
Fire MTA	28.0	23.5	-4.5	-16.1%	28.0	0.0	0.0%	23.5	-4.5	-16.1%	10.0	8.0	-2.0	-20.0%						
Total FIRE	701.2	716.9	15.7	2.2%	714.9	13.7	2.0%	730.6	29.4	4.2%										
ROADS																				
Earth Roads	1219.0	1236.5	17.5	1.4%	1215.7	-3.3	-0.3%	1233.2	14.2	1.2%	640.0	639.0	-1.0	-0.2%	2620.00	2620.00	0.00	0.0%		
Gravel Roads	6240.0	6323.9	83.9	1.3%	6344.0	104.0	1.7%	6427.9	187.9	3.0%	2129.0	2160.0	31.0	1.5%	3820.00	3820.00	0.00	0.0%		
Surface Treated Roads	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3250.00	3250.00	0.00	0.0%		
Paved Roads	13.2	13.4	0.2	1.5%	13.2	0.0	0.0%	13.4	0.2	1.5%	6.0	6.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%		
Vehicular Bridges	70.8	72.1	1.3	1.8%	54.8	-16.0	-22.6%	56.1	-14.7	-20.8%	2556.0	2556.0	0.0	0.0%	25.00	25.00	0.00	0.0%		
Pedestrian Bridges	7.4	7.5	0.1	1.4%	7.4	0.0	0.0%	7.5	0.1	1.4%	293.0	292.0	-1.0	-0.3%	25.00	25.00	0.00	0.0%		
Large Culverts	1.9	1.9	0.0	0.0%	5.0	3.1	163.2%	5.0	3.1	163.2%	67.0	198.0	131.0	195.5%	25.00	25.00	0.00	0.0%		
Roads MTA	49.0	1.0	-48.0	-98.0%	49.0	0.0	0.0%	1.0	-48.0	-98.0%	3.0	1.0	-2.0	-66.7%						
Total ROADS	7601.3	7656.3	55.0	0.7%	7689.1	87.8	1.2%	7744.1	142.8	1.9%										
ELECTRICAL																				
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%		
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%		
Street Lights	108.6	112.3	3.7	3.4%	123.0	14.4	13.3%	126.7	18.1	16.7%	625.0	744.0	119.0	19.0%	105.00	106.59	1.59	1.5%		
Generators	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Street Light MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Total ELECTRICAL	108.6	112.3	3.7	3.4%	123.0	14.4	13.3%	126.7	18.1	16.7%										
TOTAL GROUP 1	8411.1	8485.5	74.4	0.9%	8527.0	115.9	1.4%	8601.4	190.3	2.3%										

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST			
		AMT	INC	AMT	%	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC	
														AMT	%			AMT	%
GROUP 2																			
WATER SUPPLY																			
Systems																			
- watermains-unheated	483.9	501.0	17.1	3.5%	502.3	18.4	3.8%	519.4	35.5	7.3%	219908.0	229284.0	9376.0	4.3%	1.82	1.85	0.03	1.6%	
- watermains-heated	41.3	42.3	1.0	2.4%	61.1	19.8	47.9%	62.1	20.8	50.4%	10313.0	13104.0	2791.0	27.1%	2.97	3.01	0.04	1.3%	
- storage reservoirs	68.8	70.4	1.6	2.3%	71.6	2.8	4.1%	73.2	4.4	6.4%	86.0	92.0	6.0	7.0%	650.00	659.82	9.82	1.5%	
- standpipes	132.1	136.6	4.5	3.4%	118.4	-13.7	-10.4%	122.9	-9.2	-7.0%	166.0	161.0	-5.0	-3.0%	640.00	649.66	9.66	1.5%	
Pumphouses					0.0														
- community wells	979.6	1007.5	27.9	2.8%	939.0	-40.6	-4.1%	966.9	-12.7	-1.3%	302.0	306.0	4.0	1.3%	2700.00	2740.77	40.77	1.5%	
- low level lift	169.2	173.8	4.6	2.7%	168.7	-0.5	-0.3%	173.3	4.1	2.4%	39.0	40.0	1.0	2.6%	3440.00	3491.94	51.94	1.5%	
- high lift	1021.0	1049.5	28.5	2.8%	1038.1	17.1	1.7%	1066.6	45.6	4.5%	102.0	106.0	4.0	3.9%	7900.00	8019.29	119.29	1.5%	
Treatment Facilities					0.0														
- system	42.7	44.0	1.3	3.0%	43.3	0.6	1.4%	44.6	1.9	4.4%	2.0	2.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	
- unit	436.2	449.0	12.8	2.9%	459.0	22.8	5.2%	471.8	35.6	8.2%	122.0	130.0	8.0	6.6%	3000.00	3045.30	45.30	1.5%	
Water MTA	3869.3	3672.5	-196.8	-5.1%	3869.3	0.0	0.0%	3672.5	-196.8	-5.1%	74.0	203.0	129.0	174.3%					
Water Delivery	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38300.00	38878.33	578.33	1.5%	
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	
Total WATER	7244.1	7146.6	-97.5	-1.3%	7270.8	26.7	0.4%	7173.3	-70.8	-1.0%									
WASTEWATER																			
Collection																			
- gravity mains	94.4	97.7	3.3	3.5%	101.9	7.5	7.9%	105.2	10.8	11.4%	76775.0	83843.0	7068.0	9.2%	0.94	0.96	0.02	2.1%	
Lift Stations	362.1	371.5	9.4	2.6%	375.7	13.6	3.8%	385.1	23.0	6.4%	47.0	50.0	3.0	6.4%	5850.00	5938.34	88.34	1.5%	
Treatment and Disposal					0.0														
- RBC/trickling filter	125.5	128.6	3.1	2.5%	128.1	2.6	2.1%	131.2	5.7	4.5%	6.0	6.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19276.75	286.75	1.5%	
- sewage lagoon	283.2	290.1	6.9	2.4%	282.3	-0.9	-0.3%	289.2	6.0	2.1%	72.0	74.0	2.0	2.8%	3340.00	3390.43	50.43	1.5%	
- aerated lagoon	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	7330.00	7440.68	110.68	1.5%	
- septic/holding tank	11.3	11.5	0.2	1.8%	11.8	0.5	4.4%	12.0	0.7	6.2%	32.0	33.0	1.0	3.1%	300.00	304.53	4.53	1.5%	
- jet pump disposal	36.3	37.1	0.8	2.2%	34.7	-1.6	-4.4%	35.5	-0.8	-2.2%	43.0	43.0	0.0	0.0%	710.00	720.72	10.72	1.5%	
Wastewater MTA	979.7	877.3	-102.4	-10.5%	979.7	0.0	0.0%	877.3	-102.4	-10.5%	51.0	101.0	50.0	98.0%					
Liquid Waste Coll.	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38500.00	39081.35	581.35	1.5%	
Liq Waste Coll (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	
Total WASTEWATER	1892.5	1813.8	-78.7	-4.2%	1914.2	21.7	1.1%	1835.5	-57.0	-3.0%									

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC		
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%	AMT
SOLID WASTE																				
Landfill	82.0	84.0	2.0	2.4%	83.4	1.4	1.7%	85.4	3.4	4.1%	8.0	8.0	0.0	0.0%	8150.00	8273.07	123.07	1.5%		
Refuse Site	267.0	273.6	6.6	2.5%	265.8	-1.2	-0.4%	272.4	5.4	2.0%	113.0	113.0	0.0	0.0%	2000.00	2030.20	30.20	1.5%		
Incinerator	12.7	13.0	0.3	2.4%	12.7	0.0	0.0%	13.0	0.3	2.4%	1.0	1.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%		
Solid Waste MTA	1120.0	1054.6	-65.4	-5.8%	1120.0	0.0	0.0%	1054.6	-65.4	-5.8%	79.0	103.0	24.0	30.4%						
Refuse Coll. Truck	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	39330.00	39923.88	593.88	1.5%		
Ref. Coll. Tr (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%		
Total SOLID WASTE	1481.7	1425.2	-56.5	-3.8%	1481.9	0.2	0.0%	1425.4	-56.3	-3.8%										
OTHER																				
Utility	357.7	368.5	10.8	3.0%	377.7	20.0	5.6%	388.5	30.8	8.6%	6829.0	7220.0	391.0	5.7%	16.23	16.48	0.25	1.5%		
Other MTA	57.7	58.3	0.6	1.0%	57.7	0.0	0.0%	58.3	0.6	1.0%	1.0	2.0	1.0	100.0%						
Total OTHER	415.4	426.8	11.4	2.7%	435.4	20.0	4.8%	448.8	31.4	7.8%										
TOTAL GROUP 2	11033.7	10812.4	-221.3	-2.0%	11102.3	88.8	0.6%	10881.0	-152.7	-1.4%										
GROUP 3																				
Administrative	1713.5	1764.3	50.8	3.0%	1810.4	96.9	5.7%	1861.2	147.7	8.6%	21566.0	22531.0	965.0	4.5%	38.36	38.94	0.58	1.5%		
Daycare Center	0.0	0.0	0.0	N/A	8.0	8.0	N/A	8.0	8.0	N/A	0.0	85.0	85.0	N/A	46.83	47.54	0.71	1.5%		
Recreational	3899.0	4012.1	113.1	2.9%	3738.3	-160.7	-4.1%	3851.4	-47.6	-1.2%	90349.0	92013.0	1664.0	1.8%	24.37	24.74	0.37	1.5%		
Operative	1165.2	1197.9	32.7	2.8%	1225.7	60.5	5.2%	1258.4	93.2	8.0%	30644.0	32694.0	2050.0	6.7%	16.01	16.25	0.24	1.5%		
TOTAL GROUP 3	6777.7	6974.3	196.6	2.9%	8782.4	4.7	0.1%	6979.0	201.3	3.0%										
GROUP 4																				
Wastewater Trtmt PGM	57.0	57.9	0.9	1.5%	58.5	1.5	2.6%	59.4	2.3	4.1%	78.0	80.0	2.0	2.6%	876.97	890.21	13.24	1.5%		
TOTAL GROUP 4	57.0	57.9	0.9	1.5%	58.5	1.5	2.8%	59.4	2.3	4.1%										
REGIONAL TOTALS	41520.7	41845.2	324.5	0.8%	42308.5	785.8	1.9%	42631.0	1110.2	2.7%										

APPENDIX 6-2: SASKATCHEWAN REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR		QTY				COST				FTR	NFR					
		AMT	INC		92	93	INC		92	93	INC		92	93	INC			
			AMT	%			AMT	%			AMT				%	AMT		%
EDUCATION																		
Schools	11433.8	12066.4	632.6	5.5%	129612.0	133027.0	3415.0	2.6%	46.83	46.83	0.00	0.0%	1.0	11433.8	12066.4	632.6	5.5%	SQ M
Teacherages	1431.0	1549.8	118.8	8.3%	29089.0	29618.0	529.0	1.8%	11.91	12.09	0.18	1.5%	1.0	1431.0	1549.8	118.8	8.3%	SQ M
Student Residences	2376.4	2494.0	117.6	4.9%	29559.0	29559.0	0.0	0.0%	42.63	43.27	0.64	1.5%	1.0	2376.4	2494.0	117.6	4.9%	SQ M
TOTAL EDUCATION	15241.2	16110.2	869.0	5.7%										15241.2	16110.2	869.0	5.7%	
GROUP 1																		
FIRE																		
Fire Stations	301.4	316.8	15.4	5.1%	5011.0	5011.0	0.0	0.0%	21.31	21.64	0.33	1.5%	0.9	271.3	285.1	13.9	5.1%	SQ M
Mini-pumper	185.9	198.4	12.5	6.7%	26.0	27.0	1.0	3.8%	6500.00	6598.15	98.15	1.5%	0.9	167.3	178.6	11.3	6.7%	EACH
Triple-pumper	185.9	191.9	6.0	3.2%	23.0	23.0	0.0	0.0%	7320.00	7430.53	110.53	1.5%	0.9	167.3	172.7	5.4	3.2%	EACH
Fire MTA	28.0	23.5	-4.5	-16.1%	10.0	8.0	-2.0	-20.0%					0.9	25.2	21.2	-4.0	-16.1%	EACH
Total FIRE	701.2	730.6	29.4	4.2%										631.1	657.5	26.5	4.2%	
ROADS																		
Earth Roads	1219.0	1233.2	14.2	1.2%	640.0	639.0	-1.0	-0.2%	2620.00	2620.00	0.00	0.0%	0.9	1097.1	1109.9	12.8	1.2%	KM
Gravel Roads	6240.0	6427.9	187.9	3.0%	2129.0	2160.0	31.0	1.5%	3820.00	3820.00	0.00	0.0%	0.9	5616.0	5785.1	169.1	3.0%	KM
Surface Treated Roads	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3250.00	3250.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	KM
Paved Roads	13.2	13.4	0.2	1.5%	6.0	6.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	11.9	12.1	0.2	1.5%	KM
Vehicular Bridges	70.8	56.1	-14.7	-20.8%	2556.0	2556.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	63.7	50.5	-13.2	-20.8%	SQ M
Pedestrian Bridges	7.4	7.5	0.1	1.4%	293.0	292.0	-1.0	-0.3%	25.00	25.00	0.00	0.0%	0.9	6.7	6.8	0.1	1.4%	SQ M
Large Culverts	1.9	5.0	3.1	163.2%	67.0	198.0	131.0	195.5%	25.00	25.00	0.00	0.0%	0.9	1.7	4.5	2.8	163.2%	SQ M
Roads MTA	49.0	1.0	-48.0	-98.0%	3.0	1.0	-2.0	-66.7%					0.9	44.1	0.9	-43.2	-98.0%	EACH
Total ROADS	7601.3	7744.1	142.8	1.9%										6841.2	6969.7	128.5	1.9%	
ELECTRICAL																		
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	0.9	0.0	0.0	0.0	N/A	KM
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%	0.9	0.0	0.0	0.0	N/A	KM
Street Lights	108.6	126.7	18.1	16.7%	625.0	744.0	119.0	19.0%	105.00	106.59	1.59	1.5%	0.9	97.7	114.0	16.3	16.7%	EACH
Generators	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH
Street Light MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH
Total ELECTRICAL	108.6	126.7	18.1	16.7%										97.7	114.0	16.3	16.7%	
TOTAL GROUP 1	8411.1	8601.4	190.3	2.3%										7570.0	7741.3	171.3	2.3%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR AMT	93 GFR		QTY		COST		FTR	NFR		NFR						
			AMT	INC	92	93	AMT	INC		92	93	AMT	INC					
														%	%	%		%
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	483.9	519.4	35.5	7.3%	219908.0	229284.0	9376.0	4.3%	1.82	1.85	0.03	1.6%	0.8	387.1	415.5	28.4	7.3%	M
- watermains-heated	41.3	62.1	20.8	50.4%	10313.0	13104.0	2791.0	27.1%	2.97	3.01	0.04	1.3%	0.8	33.0	49.7	16.6	50.4%	M
- storage reservoirs	68.8	73.2	4.4	6.4%	86.0	92.0	6.0	7.0%	650.00	659.82	9.82	1.5%	0.8	55.0	58.6	3.5	6.4%	EACH
- standpipes	132.1	122.9	-9.2	-7.0%	166.0	161.0	-5.0	-3.0%	640.00	649.66	9.66	1.5%	0.8	105.7	98.3	-7.4	-7.0%	EACH
Pumphouses																		
- community wells	979.6	966.9	-12.7	-1.3%	302.0	306.0	4.0	1.3%	2700.00	2740.77	40.77	1.5%	0.8	783.7	773.5	-10.2	-1.3%	EACH
- low level lift	169.2	173.3	4.1	2.4%	39.0	40.0	1.0	2.6%	3440.00	3491.94	51.94	1.5%	0.8	135.4	138.6	3.3	2.4%	EACH
- high lift	1021.0	1066.6	45.6	4.5%	102.0	106.0	4.0	3.9%	7900.00	8019.29	119.29	1.5%	0.8	816.8	853.3	36.5	4.5%	EACH
Treatment Facilities																		
- system	42.7	44.6	1.9	4.4%	2.0	2.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	0.8	34.2	35.7	1.5	4.4%	EACH
- unit	436.2	471.8	35.6	8.2%	122.0	130.0	8.0	6.6%	3000.00	3045.30	45.30	1.5%	0.8	349.0	377.4	28.5	8.2%	EACH
Water MTA	3869.3	3672.5	-196.8	-5.1%	74.0	203.0	129.0	174.3%					0.8	3095.5	2938.0	-157.5	-5.1%	EACH
Water Delivery	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38300.00	38878.33	578.33	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WATER	7244.1	7173.3	-70.8	-1.0%										5795.3	5738.6	-56.7	-1.0%	
WASTEWATER																		
Collection																		
- gravity mains	94.4	105.2	10.8	11.4%	76775.0	83843.0	7068.0	9.2%	0.94	0.96	0.02	2.1%	0.8	75.5	84.2	8.6	11.4%	M
Lift Stations	362.1	385.1	23.0	6.4%	47.0	50.0	3.0	6.4%	5850.00	5938.34	88.34	1.5%	0.8	289.7	308.1	18.4	6.4%	EACH
Treatment and Disposal																		
- RBC/trickling filter	125.5	131.2	5.7	4.5%	6.0	6.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	0.8	100.4	105.0	4.6	4.5%	EACH
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19276.75	286.75	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- sewage lagoon	283.2	289.2	6.0	2.1%	72.0	74.0	2.0	2.8%	3340.00	3390.43	50.43	1.5%	0.8	226.6	231.4	4.8	2.1%	EACH
- aerated lagoon	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	7330.00	7440.68	110.68	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- septic/holding tank	11.3	12.0	0.7	6.2%	32.0	33.0	1.0	3.1%	300.00	304.53	4.53	1.5%	0.8	9.0	9.6	0.6	6.2%	EACH
- jet pump disposal	36.3	35.5	-0.8	-2.2%	43.0	43.0	0.0	0.0%	710.00	720.72	10.72	1.5%	0.8	29.0	28.4	-0.6	-2.2%	EACH
Wastewater MTA	979.7	877.3	-102.4	-10.5%	51.0	101.0	50.0	98.0%					0.8	783.8	701.8	-81.9	-10.5%	EACH
Liquid Waste Coll.	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	38500.00	39081.35	581.35	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Liq Waste Coll (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WASTEWATER	1892.5	1835.5	-57.0	-3.0%										1514.0	1488.4	-25.6	-3.0%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				FTR	NFR						
		AMT	INC AMT	%	92	93	INC		92	93	INC		92	93	INC AMT	%			
							AMT	%			AMT							%	
SOLID WASTE																			
Landfill	82.0	85.4	3.4	4.1%	8.0	8.0	0.0	0.0%	8150.00	8273.07	123.07	1.5%	0.8	65.6	68.3	2.7	4.1%	EACH	
Refuse Site	267.0	272.4	5.4	2.0%	113.0	113.0	0.0	0.0%	2000.00	2030.20	30.20	1.5%	0.8	213.6	217.9	4.3	2.0%	EACH	
Incinerator	12.7	13.0	0.3	2.4%	1.0	1.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%	0.8	10.2	10.4	0.2	2.4%	EACH	
Solid Waste MTA	1120.0	1054.6	-65.4	-5.8%	79.0	103.0	24.0	30.4%					0.8	896.0	843.7	-52.3	-5.8%	EACH	
Refuse Coll. Truck	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	39330.00	39923.88	593.88	1.5%	0.8	0.0	0.0	0.0	N/A	EACH	
Ref. Coll. Tr (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH	
Total SOLID WASTE	1481.7	1425.4	-56.3	-3.8%										1185.3	1140.3	-45.0	-3.8%		
OTHER																			
Utility	357.7	388.5	30.8	8.6%	6829.0	7220.0	391.0	5.7%	16.23	16.48	0.25	1.5%	0.8	286.2	310.8	24.6	8.6%	SQ M	
Other MTA	57.7	58.3	0.6	1.0%	1.0	2.0	1.0	100.0%					0.8	46.2	46.6	0.5	1.0%	EACH	
Total OTHER	415.4	446.8	31.4	7.6%										332.3	357.4	25.1	7.6%		
TOTAL GROUP 2	11033.7	10881.0	-152.7	-1.4%										8827.0	8704.8	-122.2	-1.4%		
GROUP 3																			
Administrative	1713.5	1861.2	147.7	8.6%	21566.0	22531.0	965.0	4.5%	38.36	38.94	0.58	1.5%	0.2	342.7	372.2	29.5	8.6%	SQ M	
Daycare Center	0.0	8.0	8.0	N/A	0.0	85.0	85.0	N/A	46.83	47.54	0.71	1.5%	0.2	0.0	1.6	1.6	N/A	SQ M	
Recreational	3899.0	3851.4	-47.6	-1.2%	90349.0	92013.0	1664.0	1.8%	24.37	24.74	0.37	1.5%	0.2	779.8	770.3	-9.5	-1.2%	SQ M	
Operative	1165.2	1258.4	93.2	8.0%	30644.0	32694.0	2050.0	6.7%	16.01	16.25	0.24	1.5%	0.2	233.0	251.7	18.6	8.0%	SQ M	
TOTAL GROUP 3	6777.7	6979.0	201.3	3.0%										1355.5	1395.8	40.3	3.0%		
GROUP 4																			
Wastewater Trtmt PGM	57.0	59.4	2.3	4.1%	78.0	80.0	2.0	2.6%	876.97	890.21	13.24	1.5%	1.0	57.0	59.4	2.3	4.1%	EACH	
TOTAL GROUP 4	57.0	59.4	2.3	4.1%										57.0	59.4	2.3	4.1%		
REGIONAL TOTALS	41520.7	42631.0	1110.2	2.7%										33050.7	34011.4	960.7	2.9%		

APPENDIX 7-1: ALBERTA REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93	INC		
				AMT	%		AMT	%		AMT	%			AMT	%			AMT	%	
EDUCATION																				
Schools	7405.2	7285.2	-120.0	-1.6%	7959.8	554.6	7.5%	7839.8	434.6	5.9%	113209.0	125996.0	12787.0	11.3%	46.83	46.83	0.00	0.0%		
Teacherages	923.6	922.1	-1.5	-0.2%	791.4	-132.2	-14.3%	789.9	-133.7	-14.5%	16627.0	16954.0	327.0	2.0%	11.91	12.09	0.18	1.5%		
Student Residences	189.5	188.7	-0.8	-0.4%	189.5	0.0	0.0%	188.7	-0.8	-0.4%	4115.0	4115.0	0.0	0.0%	42.63	43.27	0.64	1.5%		
TOTAL EDUCATION	8518.3	8396.0	-122.3	-1.4%	8940.7	422.4	5.0%	8818.4	300.1	3.5%										
GROUP 1																				
FIRE																				
Fire Stations	329.4	328.7	-0.7	-0.2%	325.4	-4.0	-1.2%	324.7	-4.7	-1.4%	6933.0	6788.0	-145.0	-2.1%	21.31	21.64	0.33	1.5%		
Mini-pumper	20.7	20.6	-0.1	-0.5%	47.9	27.2	131.4%	47.8	27.1	130.9%	3.0	7.0	4.0	133.3%	6500.00	6598.15	98.15	1.5%		
Triple-pumper	261.3	260.1	-1.2	-0.5%	277.1	15.8	6.0%	275.9	14.6	5.6%	33.0	35.0	2.0	6.1%	7320.00	7430.53	110.53	1.5%		
Fire MTA	39.2	49.7	10.5	26.8%	39.2	0.0	0.0%	49.7	10.5	26.8%	10.0	12.0	2.0	20.0%						
Total FIRE	650.6	659.1	8.5	1.3%	689.6	39.0	6.0%	698.1	47.5	7.3%										
ROADS																				
Earth Roads	68.9	67.8	-1.1	-1.6%	95.4	26.5	38.5%	94.3	25.4	36.9%	33.0	53.0	20.0	60.6%	2620.00	2620.00	0.00	0.0%		
Gravel Roads	6951.7	6845.2	-106.5	-1.5%	7059.8	108.1	1.6%	6953.3	1.6	0.0%	2749.0	2798.0	49.0	1.8%	3820.00	3820.00	0.00	0.0%		
Surface Treated Roads	7.5	7.4	-0.1	-1.3%	7.5	0.0	0.0%	7.4	-0.1	-1.3%	4.0	4.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%		
Paved Roads	33.9	33.3	-0.6	-1.8%	32.5	-1.4	-4.1%	31.9	-2.0	-5.9%	17.0	17.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%		
Vehicular Bridges	124.6	122.1	-2.5	-2.0%	131.9	7.3	5.9%	129.4	4.8	3.9%	5066.0	5386.0	320.0	6.3%	25.00	25.00	0.00	0.0%		
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%		
Large Culverts	1.5	1.5	0.0	0.0%	1.5	0.0	0.0%	1.5	0.0	0.0%	63.0	63.0	0.0	0.0%	25.00	25.00	0.00	0.0%		
Roads MTA	25.0	25.0	0.0	0.0%	25.0	0.0	0.0%	25.0	0.0	0.0%	1.0	1.0	0.0	0.0%						
Total ROADS	7213.1	7102.3	-110.8	-1.5%	7353.6	140.5	1.9%	7242.8	29.7	0.4%										
ELECTRICAL																				
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%		
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%		
Street Lights	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	105.00	106.59	1.59	1.5%		
Generators	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Street Light MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Total ELECTRICAL	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A										
TOTAL GROUP 1	7863.7	7781.4	-102.3	-1.3%	8043.2	179.5	2.3%	7940.9	77.2	1.0%										

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST						
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC				
												AMT	%			AMT	%	AMT	%	
GROUP 2																				
WATER SUPPLY																				
Systems																				
- watermains-unheated	506.7	504.9	-1.8	-0.4%	575.3	68.6	13.5%	573.5	66.8	13.2%	255284.0	303015.0	47731.0	18.7%	1.82	1.85	0.03	1.6%		
- watermains-heated	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2.97	3.01	0.04	1.3%		
- storage reservoirs	60.3	60.0	-0.3	-0.5%	59.0	-1.3	-2.2%	58.7	-1.6	-2.7%	83.0	83.0	0.0	0.0%	650.00	659.82	9.82	1.5%		
- standpipes	53.1	52.8	-0.3	-0.6%	49.5	-3.6	-6.8%	49.2	-3.9	-7.3%	68.0	65.0	-3.0	-4.4%	640.00	649.66	9.66	1.5%		
Pumphouses					0.0															
- community wells	639.6	636.2	-3.4	-0.5%	681.5	41.9	6.6%	678.1	38.5	6.0%	208.0	231.0	23.0	11.1%	2700.00	2740.77	40.77	1.5%		
- low level lift	159.2	158.3	-0.9	-0.6%	148.9	-10.3	-6.5%	148.0	-11.2	-7.0%	38.0	38.0	0.0	0.0%	3440.00	3491.94	51.94	1.5%		
- high lift	587.3	584.2	-3.1	-0.5%	604.9	17.6	3.0%	601.8	14.5	2.5%	69.0	71.0	2.0	2.9%	7900.00	8019.29	119.29	1.5%		
Treatment Facilities					0.0															
- system	343.2	342.9	-0.3	-0.1%	343.2	0.0	0.0%	342.9	-0.3	-0.1%	17.0	17.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%		
- unit	99.8	99.8	0.0	0.0%	103.1	3.3	3.3%	103.1	3.3	3.3%	30.0	31.0	1.0	3.3%	3000.00	3045.30	45.30	1.5%		
Water MTA	510.1	510.1	0.0	0.0%	510.1	0.0	0.0%	510.1	0.0	0.0%	8.0	8.0	0.0	0.0%						
Water Delivery	2105.9	2095.5	-10.4	-0.5%	2304.8	198.9	9.4%	2294.4	188.5	9.0%	52.0	57.0	5.0	9.6%	38300.00	38878.33	578.33	1.5%		
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%		
Total WATER	5065.2	5044.7	-20.5	-0.4%	5380.3	315.1	6.2%	5359.8	294.6	5.8%										
WASTEWATER																				
Collection																				
- gravity mains	116.8	117.0	0.2	0.2%	138.5	21.7	18.6%	138.7	21.9	18.7%	116720.0	134644.0	17924.0	15.4%	0.94	0.96	0.02	2.1%		
Lift Stations	325.8	324.2	-1.6	-0.5%	327.6	1.8	0.6%	326.0	0.2	0.1%	48.0	52.0	4.0	8.3%	5850.00	5938.34	88.34	1.5%		
Treatment and Disposal					0.0															
- RBC/trickling filter	64.6	64.3	-0.3	-0.5%	50.8	-13.8	-21.4%	50.5	-14.1	-21.8%	3.0	3.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%		
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19276.75	286.75	1.5%		
- sewage lagoon	186.2	185.2	-1.0	-0.5%	188.5	2.3	1.2%	187.5	1.3	0.7%	52.0	53.0	1.0	1.9%	3340.00	3390.43	50.43	1.5%		
- aerated lagoon	7.4	7.4	0.0	0.0%	7.4	0.0	0.0%	7.4	0.0	0.0%	1.0	1.0	0.0	0.0%	7330.00	7440.68	110.68	1.5%		
- septic/holding tank	26.0	25.9	-0.1	-0.4%	24.7	-1.3	-5.0%	24.6	-1.4	-5.4%	81.0	82.0	1.0	1.2%	300.00	304.53	4.53	1.5%		
- jet pump disposal	7.7	7.6	-0.1	-1.3%	7.7	0.0	0.0%	7.6	-0.1	-1.3%	11.0	11.0	0.0	0.0%	710.00	720.72	10.72	1.5%		
Wastewater MTA	67.1	67.1	-0.0	-0.0%	67.1	0.0	0.0%	67.1	-0.0	-0.0%	3.0	3.0	0.0	0.0%						
Liquid Waste Coll.	1259.7	1253.5	-6.2	-0.5%	1299.9	40.2	3.2%	1293.7	34.0	2.7%	31.0	32.0	1.0	3.2%	38500.00	39081.35	581.35	1.5%		
Liq Waste Coll (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%		
Total WASTEWATER	2061.3	2052.2	-9.1	-0.4%	2112.2	50.9	2.5%	2103.1	41.8	2.0%										

ASSET TYPE	OLD GFR		PRICE INCREASE		VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST				
		AMT	INC	AMT	INC		AMT	INC	AMT	INC	92	93	INC		92	93	INC	
					AMT	%							AMT	%			AMT	%
SOLID WASTE																		
Landfill	370.2	368.3	-1.9	-0.5%	328.3	-41.9	-11.3%	326.4	-43.8	-11.8%	40.0	40.0	0.0	0.0%	8150.00	8273.07	123.07	1.5%
Refuse Site	14.7	14.6	-0.1	-0.7%	2.2	-12.5	-85.0%	2.1	-12.6	-85.7%	7.0	7.0	0.0	0.0%	2000.00	2030.20	30.20	1.5%
Incinerator	19.8	19.7	-0.1	-0.5%	19.8	0.0	0.0%	19.7	-0.1	-0.5%	1.0	1.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%
Solid Waste MTA	179.1	246.2	67.1	37.5%	179.1	0.0	0.0%	246.2	67.1	37.5%	6.0	8.0	2.0	33.3%				
Refuse Coll. Truck	1147.6	1142.0	-5.6	-0.5%	1354.0	206.4	18.0%	1348.4	200.8	17.5%	27.0	32.0	5.0	18.5%	39330.00	39923.88	593.88	1.5%
Ref. Coll. Tr (Unmod)	332.4	330.7	-1.7	-0.5%	378.1	45.7	13.7%	376.4	44.0	13.2%	14.0	16.0	2.0	14.3%	21860.00	22190.09	330.09	1.5%
Total SOLID WASTE	2083.8	2121.5	57.7	2.8%	2281.5	197.7	9.6%	2319.2	255.4	12.4%								
OTHER																		
Utility	173.5	173.4	-0.1	-0.1%	177.2	3.7	2.1%	177.1	3.6	2.1%	4976.0	5198.0	222.0	4.5%	16.23	16.48	0.25	1.5%
Other MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A				
Total OTHER	173.5	173.4	-0.1	-0.1%	177.2	3.7	2.1%	177.1	3.6	2.1%								
TOTAL GROUP 2	9383.8	9391.8	28.0	0.3%	9931.2	587.4	8.1%	9959.2	595.4	8.4%								
GROUP 3																		
Administrative	2769.8	2768.2	-1.6	-0.1%	2877.4	107.6	3.9%	2875.8	106.0	3.8%	50668.0	52050.0	1382.0	2.7%	38.36	38.94	0.58	1.5%
Daycare Center	383.8	383.7	-0.1	-0.0%	370.7	-13.1	-3.4%	370.6	-13.2	-3.4%	6814.0	6861.0	47.0	0.7%	46.83	47.54	0.71	1.5%
Recreational	2926.8	2919.8	-7.0	-0.2%	2894.5	-32.3	-1.1%	2887.5	-39.3	-1.3%	101899.0	102760.0	861.0	0.8%	24.37	24.74	0.37	1.5%
Operative	1232.9	1230.5	-2.4	-0.2%	1129.6	-103.3	-8.4%	1127.2	-105.7	-8.6%	45555.0	46851.0	1296.0	2.8%	16.01	16.25	0.24	1.5%
TOTAL GROUP 3	7313.3	7302.2	-11.1	-0.2%	7272.2	-41.1	-0.8%	7281.1	-52.2	-0.7%								
GROUP 4																		
Wastewater Trtmt PGM	46.7	47.4	0.7	1.5%	47.6	0.8	1.8%	48.3	1.6	3.3%	56.0	57.0	1.0	1.8%	876.97	890.21	13.24	1.5%
TOTAL GROUP 4	48.7	47.4	0.7	1.5%	47.8	0.8	1.8%	48.3	1.6	3.3%								
REGIONAL TOTALS	33105.9	32898.8	-207.0	-0.6%	34234.9	1129.0	3.4%	34027.9	922.0	2.8%								

APPENDIX 7-2: ALBERTA REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR AMT	93 GFR INC		QTY				COST				NFR						
			AMT	%	92	93	INC		92	93	INC		FTR	92	93	INC			
							AMT	%			AMT	%				AMT		%	
EDUCATION																			
Schools	7405.2	7839.8	434.6	5.9%	113209.0	125996.0	12787.0	11.3%	46.83	46.83	0.00	0.0%	1.0	7405.2	7839.8	434.6	5.9%	SQ M	
Teacherages	923.6	789.9	-133.7	-14.5%	16627.0	16954.0	327.0	2.0%	11.91	12.09	0.18	1.5%	1.0	923.6	789.9	-133.7	-14.5%	SQ M	
Student Residences	189.5	188.7	-0.8	-0.4%	4115.0	4115.0	0.0	0.0%	42.63	43.27	0.64	1.5%	1.0	189.5	188.7	-0.8	-0.4%	SQ M	
TOTAL EDUCATION	8518.3	8818.4	300.1	3.5%										8518.3	8818.4	300.1	3.5%		
GROUP 1																			
FIRE																			
Fire Stations	329.4	324.7	-4.7	-1.4%	6933.0	6788.0	-145.0	-2.1%	21.31	21.64	0.33	1.5%	0.9	296.5	292.2	-4.2	-1.4%	SQ M	
Mini-pumper	20.7	47.8	27.1	130.9%	3.0	7.0	4.0	133.3%	6500.00	6598.15	98.15	1.5%	0.9	18.6	43.0	24.4	130.9%	EACH	
Triple-pumper	261.3	275.9	14.6	5.6%	33.0	35.0	2.0	6.1%	7320.00	7430.53	110.53	1.5%	0.9	235.2	248.3	13.1	5.6%	EACH	
Fire MTA	39.2	49.7	10.5	26.8%	10.0	12.0	2.0	20.0%					0.9	35.3	44.7	9.5	26.8%	EACH	
Total FIRE	650.6	698.1	47.5	7.3%										585.5	628.3	42.8	7.3%		
ROADS																			
Earth Roads	68.9	94.3	25.4	36.9%	33.0	53.0	20.0	60.6%	2620.00	2620.00	0.00	0.0%	0.9	62.0	84.9	22.9	36.9%	KM	
Gravel Roads	6951.7	6953.3	1.6	0.0%	2749.0	2798.0	49.0	1.8%	3820.00	3820.00	0.00	0.0%	0.9	6256.5	6258.0	1.4	0.0%	KM	
Surface Treated Roads	7.5	7.4	-0.1	-1.3%	4.0	4.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	6.8	6.7	-0.1	-1.3%	KM	
Paved Roads	33.9	31.9	-2.0	-5.9%	17.0	17.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	30.5	28.7	-1.8	-5.9%	KM	
Vehicular Bridges	124.6	129.4	4.8	3.9%	5066.0	5386.0	320.0	6.3%	25.00	25.00	0.00	0.0%	0.9	112.1	116.5	4.3	3.9%	SQ M	
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	SQ M	
Large Culverts	1.5	1.5	0.0	0.0%	63.0	63.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	1.4	1.4	0.0	0.0%	SQ M	
Roads MTA	25.0	25.0	0.0	0.0%	1.0	1.0	0.0	0.0%					0.9	22.5	22.5	0.0	0.0%	EACH	
Total ROADS	7213.1	7242.8	29.7	0.4%										6491.8	6518.5	26.7	0.4%		
ELECTRICAL																			
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	0.9	0.0	0.0	0.0	N/A	KM	
Distribution	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2240.00	2273.82	33.82	1.5%	0.9	0.0	0.0	0.0	N/A	KM	
Street Lights	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	105.00	106.59	1.59	1.5%	0.9	0.0	0.0	0.0	N/A	EACH	
Generators	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Street Light MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Electrical MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Total ELECTRICAL	0.0	0.0	0.0	N/A										0.0	0.0	0.0	N/A		
TOTAL GROUP 1	7863.7	7940.9	77.2	1.0%										7077.3	7146.8	69.5	1.0%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR		QTY				COST				NFR						
		AMT	INC AMT	%	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	506.7	573.5	66.8	13.2%	255284.0	303015.0	47731.0	18.7%	1.82	1.85	0.03	1.6%	0.8	405.4	458.8	53.4	13.2%	M
- watermains-heated	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2.97	3.01	0.04	1.3%	0.8	0.0	0.0	0.0	N/A	M
- storage reservoirs	60.3	58.7	-1.6	-2.7%	83.0	83.0	0.0	0.0%	650.00	659.82	9.82	1.5%	0.8	48.2	47.0	-1.3	-2.7%	EACH
- standpipes	53.1	49.2	-3.9	-7.3%	68.0	65.0	-3.0	-4.4%	640.00	649.66	9.66	1.5%	0.8	42.5	39.4	-3.1	-7.3%	EACH
Pumphouses																		
- community wells	639.6	678.1	38.5	6.0%	208.0	231.0	23.0	11.1%	2700.00	2740.77	40.77	1.5%	0.8	511.7	542.5	30.8	6.0%	EACH
- low level lift	159.2	148.0	-11.2	-7.0%	38.0	38.0	0.0	0.0%	3440.00	3491.94	51.94	1.5%	0.8	127.4	118.4	-9.0	-7.0%	EACH
- high lift	587.3	601.8	14.5	2.5%	69.0	71.0	2.0	2.9%	7900.00	8019.29	119.29	1.5%	0.8	469.8	481.4	11.6	2.5%	EACH
Treatment Facilities																		
- system	343.2	342.9	-0.3	-0.1%	17.0	17.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	0.8	274.6	274.3	-0.2	-0.1%	EACH
- unit	99.8	103.1	3.3	3.3%	30.0	31.0	1.0	3.3%	3000.00	3045.30	45.30	1.5%	0.8	79.8	82.5	2.6	3.3%	EACH
Water MTA	510.1	510.1	0.0	0.0%	8.0	8.0	0.0	0.0%					0.8	408.1	408.1	0.0	0.0%	EACH
Water Delivery	2105.9	2294.4	188.5	9.0%	52.0	57.0	5.0	9.6%	38300.00	38878.33	578.33	1.5%	0.8	1684.7	1835.5	150.8	9.0%	EACH
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WATER	5065.2	5359.8	294.6	5.8%										4052.2	4287.8	235.7	5.8%	
WASTEWATER																		
Collection																		
- gravity mains	116.8	138.7	21.9	18.7%	116720.0	134644.0	17924.0	15.4%	0.94	0.96	0.02	2.1%	0.8	93.4	111.0	17.5	18.7%	M
Lift Stations	325.8	326.0	0.2	0.1%	48.0	52.0	4.0	8.3%	5850.00	5938.34	88.34	1.5%	0.8	260.6	260.8	0.2	0.1%	EACH
Treatment and Disposal																		
- RBC/trickling filter	64.6	50.5	-14.1	-21.8%	3.0	3.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	0.8	51.7	40.4	-11.3	-21.8%	EACH
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19276.75	286.75	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- sewage lagoon	186.2	187.5	1.3	0.7%	52.0	53.0	1.0	1.9%	3340.00	3390.43	50.43	1.5%	0.8	149.0	150.0	1.0	0.7%	EACH
- aerated lagoon	7.4	7.4	0.0	0.0%	1.0	1.0	0.0	0.0%	7330.00	7440.68	110.68	1.5%	0.8	5.9	5.9	0.0	0.0%	EACH
- septic/holding tank	26.0	24.6	-1.4	-5.4%	81.0	82.0	1.0	1.2%	300.00	304.53	4.53	1.5%	0.8	20.8	19.7	-1.1	-5.4%	EACH
- jet pump disposal	7.7	7.6	-0.1	-1.3%	11.0	11.0	0.0	0.0%	710.00	720.72	10.72	1.5%	0.8	6.2	6.1	-0.1	-1.3%	EACH
Wastewater MTA	67.1	67.1	-0.0	-0.0%	3.0	3.0	0.0	0.0%					0.8	53.7	53.7	-0.0	-0.0%	EACH
Liquid Waste Coll.	1259.7	1293.7	34.0	2.7%	31.0	32.0	1.0	3.2%	38500.00	39081.35	581.35	1.5%	0.8	1007.8	1035.0	27.2	2.7%	EACH
Liq Waste Coll (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WASTEWATER	2061.3	2103.1	41.8	2.0%										1649.1	1682.5	33.4	2.0%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR		QTY				COST				NFR						
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC			
						AMT	%			AMT	%				AMT	%		AMT
SOLID WASTE																		
Landfill	370.2	326.4	-43.8	-11.8%	40.0	40.0	0.0	0.0%	8150.00	8273.07	123.07	1.5%	0.8	296.2	261.1	-35.0	-11.8%	EACH
Refuse Site	14.7	2.1	-12.6	-85.7%	7.0	7.0	0.0	0.0%	2000.00	2030.20	30.20	1.5%	0.8	11.8	1.7	-10.1	-85.7%	EACH
Incinerator	19.8	19.7	-0.1	-0.5%	1.0	1.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%	0.8	15.8	15.8	-0.1	-0.5%	EACH
Solid Waste MTA	179.1	246.2	67.1	37.5%	6.0	8.0	2.0	33.3%					0.8	143.3	197.0	53.7	37.5%	EACH
Refuse Coll. Truck	1147.6	1348.4	200.8	17.5%	27.0	32.0	5.0	18.5%	39330.00	39923.88	593.88	1.5%	0.8	918.1	1078.7	160.6	17.5%	EACH
Ref. Coll. Tr (Unmod)	332.4	376.4	44.0	13.2%	14.0	16.0	2.0	14.3%	21860.00	22190.09	330.09	1.5%	0.8	265.9	301.1	35.2	13.2%	EACH
Total SOLID WASTE	2063.8	2319.2	255.4	12.4%										1851.0	1855.4	204.3	12.4%	
OTHER																		
Utility	173.5	177.1	3.6	2.1%	4976.0	5198.0	222.0	4.5%	16.23	16.48	0.25	1.5%	0.8	138.8	141.7	2.9	2.1%	SQ M
Other MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.8	0.0	0.0	0.0	N/A	EACH
Total OTHER	173.5	177.1	3.8	2.1%										138.8	141.7	2.9	2.1%	
TOTAL GROUP 2	9363.8	9959.2	595.4	6.4%										7491.1	7987.4	476.3	6.4%	
GROUP 3																		
Administrative	2769.8	2875.8	106.0	3.8%	50668.0	52050.0	1382.0	2.7%	38.36	38.94	0.58	1.5%	0.2	554.0	575.2	21.2	3.8%	SQ M
Daycare Center	383.8	370.6	-13.2	-3.4%	6814.0	6861.0	47.0	0.7%	46.83	47.54	0.71	1.5%	0.2	76.8	74.1	-2.6	-3.4%	SQ M
Recreational	2926.8	2887.5	-39.3	-1.3%	101899.0	102760.0	861.0	0.8%	24.37	24.74	0.37	1.5%	0.2	585.4	577.5	-7.9	-1.3%	SQ M
Operative	1232.9	1127.2	-105.7	-8.6%	45555.0	46851.0	1296.0	2.8%	16.01	16.25	0.24	1.5%	0.2	246.6	225.4	-21.1	-8.6%	SQ M
TOTAL GROUP 3	7313.3	7261.1	-52.2	-0.7%										1482.7	1452.2	-10.4	-0.7%	
GROUP 4																		
Wastewater Trtmt PGM	46.7	48.3	1.6	3.3%	56.0	57.0	1.0	1.8%	876.97	890.21	13.24	1.5%	1.0	46.7	48.3	1.6	3.3%	EACH
TOTAL GROUP 4	46.7	48.3	1.6	3.3%										46.7	48.3	1.6	3.3%	
REGIONAL TOTALS	33105.9	34027.9	922.0	2.8%										24598.1	25433.1	837.0	3.4%	

APPENDIX 8-1: YUKON REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST						
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC				
												AMT	%			AMT	%			
EDUCATION																				
Schools	10.8	11.0	0.2	1.9%	66.4	55.6	514.8%	66.6	55.8	516.7%	90.0	546.0	456.0	506.7%	46.83	46.83	0.00	0.0%		
Teacherages	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	11.91	12.09	0.18	1.5%		
Student Residences	149.2	154.7	5.5	3.7%	149.2	0.0	0.0%	154.7	5.5	3.7%	2299.0	2299.0	0.0	0.0%	42.63	43.27	0.64	1.5%		
TOTAL EDUCATION	160.0	165.7	5.7	3.6%	215.6	55.6	34.8%	221.3	61.3	38.3%										
GROUP 1																				
FIRE																				
Fire Stations	28.7	29.6	0.9	3.1%	28.7	0.0	0.0%	29.6	0.9	3.1%	272.0	272.0	0.0	0.0%	21.31	21.64	0.33	1.5%		
Mini-pumper	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	6500.00	6598.15	98.15	1.5%		
Triple-pumper	9.9	10.2	0.3	3.0%	8.5	-1.4	-14.1%	8.8	-1.1	-11.1%	1.0	1.0	0.0	0.0%	7320.00	7430.53	110.53	1.5%		
Fire MTA	10.6	13.2	2.7	25.1%	10.6	0.0	0.0%	13.2	2.7	25.1%	3.0	3.0	0.0	0.0%						
Total FIRE	49.2	53.0	3.9	7.8%	47.8	-1.4	-2.8%	51.6	2.4	5.0%										
ROADS																				
Earth Roads	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2620.00	2620.00	0.00	0.0%		
Gravel Roads	307.5	311.1	3.6	1.2%	348.6	41.1	13.4%	352.2	44.7	14.5%	87.0	100.0	13.0	14.9%	3820.00	3820.00	0.00	0.0%		
Surface Treated Roads	3.5	3.5	0.0	0.0%	3.5	0.0	0.0%	3.5	0.0	0.0%	1.0	1.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%		
Paved Roads	9.3	9.4	0.1	1.1%	9.3	0.0	0.0%	9.4	0.1	1.1%	4.0	4.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%		
Vehicular Bridges	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%		
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%		
Large Culverts	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%		
Roads MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Total ROADS	320.3	324.0	3.7	1.2%	361.4	41.1	12.8%	365.1	44.8	14.0%										
ELECTRICAL																				
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%		
Distribution	10.0	10.2	0.2	2.0%	10.0	0.0	0.0%	10.2	0.2	2.0%	3.0	3.0	0.0	0.0%	2240.00	2273.82	33.82	1.5%		
Street Lights	35.6	36.5	0.9	2.5%	38.0	2.4	6.7%	38.9	3.3	9.3%	257.0	282.0	25.0	9.7%	105.00	106.59	1.59	1.5%		
Generators	212.0	0.0	-212.0	-100.0%	212.0	0.0	0.0%	0.0	-212.0	-100.0%	3.0	0.0	-3.0	-100.0%						
Street Light MTA	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A						
Electrical MTA	0.0	167.4	167.4	N/A	0.0	0.0	N/A	167.4	167.4	N/A	0.0	0.0	0.0	N/A						
Total ELECTRICAL	257.6	214.1	-43.5	-16.9%	260.0	2.4	0.9%	216.5	-41.1	-16.0%										
TOTAL GROUP 1	627.1	591.1	-36.0	-5.7%	669.2	42.1	6.7%	633.2	6.1	1.0%										

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST						
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC	92	93	INC	92	93	INC		
																			AMT	%
GROUP 2																				
WATER SUPPLY																				
Systems																				
- watermains-unheated	19.2	19.9	0.7	3.6%	19.2	0.0	0.0%	19.9	0.7	3.6%	9284.0	9284.0	0.0	0.0%	1.82	1.85	0.03	1.6%		
- watermains-heated	3.4	3.5	0.1	2.9%	3.9	0.5	14.7%	4.0	0.6	17.6%	805.0	945.0	140.0	17.4%	2.97	3.01	0.04	1.3%		
- storage reservoirs	0.9	0.9	0.0	0.0%	1.7	0.8	88.9%	1.7	0.8	88.9%	1.0	2.0	1.0	100.0%	650.00	659.82	9.82	1.5%		
- standpipes	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	640.00	649.66	9.66	1.5%		
Pumphouses																				
- community wells	116.2	120.0	3.8	3.3%	108.9	-7.3	-6.3%	112.7	-3.5	-3.0%	32.0	32.0	0.0	0.0%	2700.00	2740.77	40.77	1.5%		
- low level lift	14.5	14.8	0.3	2.1%	13.9	-0.6	-4.1%	14.2	-0.3	-2.1%	3.0	3.0	0.0	0.0%	3440.00	3491.94	51.94	1.5%		
- high lift	10.2	10.5	0.3	2.9%	10.2	0.0	0.0%	10.5	0.3	2.9%	1.0	1.0	0.0	0.0%	7900.00	8019.29	119.29	1.5%		
Treatment Facilities																				
- system	25.5	26.4	0.9	3.5%	25.5	0.0	0.0%	26.4	0.9	3.5%	1.0	1.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%		
- unit	3.7	3.9	0.2	5.4%	3.7	0.0	0.0%	3.9	0.2	5.4%	1.0	1.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%		
Water MTA	80.1	102.9	22.8	28.4%	80.1	0.0	0.0%	102.9	22.8	28.4%	4.0	6.0	2.0	50.0%						
Water Delivery	332.0	340.1	8.1	2.4%	324.6	-7.4	-2.2%	332.7	0.7	0.2%	7.0	7.0	0.0	0.0%	38300.00	38878.33	578.33	1.5%		
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%		
Total WATER	605.7	642.9	37.2	6.1%	591.7	-14.0	-2.3%	628.9	23.2	3.8%										
WASTEWATER																				
Collection																				
- gravity mains	11.8	12.3	0.5	4.2%	11.8	0.0	0.0%	12.3	0.5	4.2%	10801.0	10801.0	0.0	0.0%	0.94	0.96	0.02	2.1%		
Lift Stations	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	5850.00	5938.34	88.34	1.5%		
Treatment and Disposal																				
- RBC/trickling filter	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	16700.00	16952.17	252.17	1.5%		
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19276.75	286.75	1.5%		
- sewage lagoon	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3340.00	3390.43	50.43	1.5%		
- aerated lagoon	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	7330.00	7440.68	110.68	1.5%		
- septic/holding tank	17.5	18.0	0.5	2.9%	17.5	0.0	0.0%	18.0	0.5	2.9%	43.0	44.0	1.0	2.3%	300.00	304.53	4.53	1.5%		
- jet pump disposal	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	710.00	720.72	10.72	1.5%		
Wastewater MTA	143.1	125.7	-17.4	-12.2%	143.1	0.0	0.0%	125.7	-17.4	-12.2%	7.0	6.0	-1.0	-14.3%						
Liquid Waste Coll.	194.0	198.7	4.7	2.4%	285.9	91.9	47.4%	290.6	96.6	49.8%	4.0	6.0	2.0	50.0%	38500.00	39081.35	581.35	1.5%		
Liq Waste Coll (Unmod)	40.3	41.3	1.0	2.5%	40.3	0.0	0.0%	41.3	1.0	2.5%	1.0	1.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%		
Total WASTEWATER	406.7	396.0	-10.7	-2.6%	498.6	91.9	22.6%	487.9	81.2	20.0%										

ASSET TYPE	OLD GFR		PRICE INCREASE		VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST				
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC		
												AMT	%			AMT	%	AMT
SOLID WASTE																		
Landfill	10.7	11.1	0.4	3.7%	20.4	9.7	90.7%	20.8	10.1	94.4%	1.0	2.0	1.0	100.0%	8150.00	8273.07	123.07	1.5%
Refuse Site	0.0	0.0	0.0	N/A	2.7	2.7	N/A	2.7	2.7	N/A	0.0	1.0	1.0	N/A	2000.00	2030.20	30.20	1.5%
Incinerator	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	10980.90	11146.71	165.81	1.5%
Solid Waste MTA	6.0	18.0	12.0	200.0%	6.0	0.0	0.0%	18.0	12.0	200.0%	1.0	2.0	1.0	100.0%				
Refuse Coll. Truck	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	39330.00	39923.88	593.88	1.5%
Ref. Coll. Tr (Unmod)	373.7	382.7	9.0	2.4%	293.7	-80.0	-21.4%	302.7	-71.0	-19.0%	13.0	11.0	-2.0	-15.4%	21860.00	22190.09	330.09	1.5%
Total SOLID WASTE	390.4	411.8	21.4	5.5%	322.8	-67.6	-17.3%	344.2	-46.2	-11.8%								
OTHER																		
Utility	93.1	96.0	2.9	3.1%	84.2	-8.9	-9.6%	87.1	-6.0	-6.4%	1333.0	1228.0	-105.0	-7.9%	16.23	16.48	0.25	1.5%
Other MTA	0.0	104.5	104.5	N/A	0.0	0.0	N/A	104.5	104.5	N/A	0.0	0.0	0.0	N/A				
Total OTHER	93.1	200.5	107.4	115.4%	84.2	-8.9	-9.6%	191.6	98.5	105.8%								
TOTAL GROUP 2	1495.9	1651.2	155.3	10.4%	1497.3	1.4	0.1%	1652.6	156.7	10.5%								
GROUP 3																		
Administrative	853.2	879.3	26.1	3.1%	846.5	-6.7	-0.8%	872.6	19.4	2.3%	8400.0	8605.0	205.0	2.4%	38.36	38.94	0.58	1.5%
Daycare Center	69.0	70.9	1.9	2.8%	89.2	20.2	29.3%	91.1	22.1	32.0%	635.0	798.0	163.0	25.7%	46.83	47.54	0.71	1.5%
Recreational	392.1	402.7	10.6	2.7%	340.9	-51.2	-13.1%	351.5	-40.6	-10.4%	6095.0	5780.0	-315.0	-5.2%	24.37	24.74	0.37	1.5%
Operative	370.5	383.4	12.9	3.5%	350.4	-20.1	-5.4%	363.3	-7.2	-1.9%	6889.0	6966.0	77.0	1.1%	16.01	16.25	0.24	1.5%
TOTAL GROUP 3	1684.8	1736.3	51.5	3.1%	1627.0	-57.8	-3.4%	1678.5	-6.3	-0.4%								
GROUP 4																		
Wastewater Trtmt PGM	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	876.97	890.21	13.24	1.5%
TOTAL GROUP 4	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A								
REGIONAL TOTALS	3967.8	4144.3	176.5	4.4%	4009.1	41.3	1.0%	4185.6	217.8	5.5%								

APPENDIX 8-2: YUKON REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC				
						AMT	%			AMT	%				AMT	%		AMT	%
EDUCATION																			
Schools	10.8	66.6	55.8	516.7%	90.0	546.0	456.0	506.7%	46.83	46.83	0.00	0.0%	1.0	10.8	66.6	55.8	516.7%	SQ M	
Teacherages	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	11.91	12.09	0.18	1.5%	1.0	0.0	0.0	0.0	N/A	SQ M	
Student Residences	149.2	154.7	5.5	3.7%	2299.0	2299.0	0.0	0.0%	42.63	43.27	0.64	1.5%	1.0	149.2	154.7	5.5	3.7%	SQ M	
TOTAL EDUCATION	160.0	221.3	61.3	38.3%										160.0	221.3	61.3	38.3%		
GROUP 1																			
FIRE																			
Fire Stations	28.7	29.6	0.9	3.1%	272.0	272.0	0.0	0.0%	21.31	21.64	0.33	1.5%	0.9	25.8	26.6	0.8	3.1%	SQ M	
Mini-pumper	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	6500.00	6598.15	98.15	1.5%	0.9	0.0	0.0	0.0	N/A	EACH	
Triple-pumper	9.9	8.8	-1.1	-11.1%	1.0	1.0	0.0	0.0%	7320.00	7430.53	110.53	1.5%	0.9	8.9	7.9	-1.0	-11.1%	EACH	
Fire MTA	10.6	13.2	2.7	25.1%	3.0	3.0	0.0	0.0%					0.9	9.5	11.9	2.4	25.1%	EACH	
Total FIRE	49.2	51.6	2.4	5.0%										44.2	46.4	2.2	5.0%		
ROADS																			
Earth Roads	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	2620.00	2620.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	KM	
Gravel Roads	307.5	352.2	44.7	14.5%	87.0	100.0	13.0	14.9%	3820.00	3820.00	0.00	0.0%	0.9	276.8	317.0	40.2	14.5%	KM	
Surface Treated Roads	3.5	3.5	0.0	0.0%	1.0	1.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	3.2	3.2	0.0	0.0%	KM	
Paved Roads	9.3	9.4	0.1	1.1%	4.0	4.0	0.0	0.0%	3250.00	3250.00	0.00	0.0%	0.9	8.4	8.5	0.1	1.1%	KM	
Vehicular Bridges	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	SQ M	
Pedestrian Bridges	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	SQ M	
Large Culverts	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	25.00	25.00	0.00	0.0%	0.9	0.0	0.0	0.0	N/A	SQ M	
Roads MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Total ROADS	320.3	365.1	44.8	14.0%										288.3	328.6	40.3	14.0%		
ELECTRICAL																			
Transmission	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	1090.00	1106.46	16.46	1.5%	0.9	0.0	0.0	0.0	N/A	KM	
Distribution	10.0	10.2	0.2	2.0%	3.0	3.0	0.0	0.0%	2240.00	2273.82	33.82	1.5%	0.9	9.0	9.2	0.2	2.0%	KM	
Street Lights	35.6	38.9	3.3	9.3%	257.0	282.0	25.0	9.7%	105.00	106.59	1.59	1.5%	0.9	32.0	35.0	3.0	9.3%	EACH	
Generators	212.0	0.0	-212.0	-100.0%	3.0	0.0	-3.0	-100.0%					0.9	190.8	0.0	-190.8	-100.0%	EACH	
Street Light MTA	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A					0.9	0.0	0.0	0.0	N/A	EACH	
Electrical MTA	0.0	167.4	167.4	N/A	0.0	0.0	0.0	N/A					0.9	0.0	150.7	150.7	N/A	EACH	
Total ELECTRICAL	257.6	216.5	-41.1	-16.0%										231.9	194.9	-37.0	-16.0%		
TOTAL GROUP 1	627.1	633.2	6.1	1.0%										564.4	569.9	5.5	1.0%		

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR		QTY				COST				NFR						
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC			
						AMT	%			AMT	%				AMT	%		AMT
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	19.2	19.9	0.7	3.6%	9284.0	9284.0	0.0	0.0%	1.82	1.85	0.03	1.6%	0.8	15.4	15.9	0.6	3.6%	M
- watermains-heated	3.4	4.0	0.6	17.6%	805.0	945.0	140.0	17.4%	2.97	3.01	0.04	1.3%	0.8	2.7	3.2	0.5	17.6%	M
- storage reservoirs	0.9	1.7	0.8	88.9%	1.0	2.0	1.0	100.0%	650.00	659.82	9.82	1.5%	0.8	0.7	1.4	0.6	88.9%	EACH
- standpipes	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	640.00	649.66	9.66	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Pumphouses																		
- community wells	116.2	112.7	-3.5	-3.0%	32.0	32.0	0.0	0.0%	2700.00	2740.77	40.77	1.5%	0.8	93.0	90.2	-2.8	-3.0%	EACH
- low level lift	14.5	14.2	-0.3	-2.1%	3.0	3.0	0.0	0.0%	3440.00	3491.94	51.94	1.5%	0.8	11.6	11.4	-0.2	-2.1%	EACH
- high lift	10.2	10.5	0.3	2.9%	1.0	1.0	0.0	0.0%	7900.00	8019.29	119.29	1.5%	0.8	8.2	8.4	0.2	2.9%	EACH
Treatment Facilities																		
- system	25.5	26.4	0.9	3.5%	1.0	1.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	0.8	20.4	21.1	0.7	3.5%	EACH
- unit	3.7	3.9	0.2	5.4%	1.0	1.0	0.0	0.0%	3000.00	3045.30	45.30	1.5%	0.8	3.0	3.1	0.2	5.4%	EACH
Water MTA	80.1	102.9	22.8	28.4%	4.0	6.0	2.0	50.0%					0.8	64.1	82.3	18.2	28.4%	EACH
Water Delivery	332.0	332.7	0.7	0.2%	7.0	7.0	0.0	0.0%	38300.00	38878.33	578.33	1.5%	0.8	265.6	266.2	0.6	0.2%	EACH
Water Delivery (Unmod)	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	21860.00	22190.09	330.09	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Total WATER	605.7	628.9	23.2	3.8%										484.6	503.1	18.6	3.8%	
WASTEWATER																		
Collection																		
- gravity mains	11.8	12.3	0.5	4.2%	10801.0	10801.0	0.0	0.0%	0.94	0.96	0.02	2.1%	0.8	9.4	9.8	0.4	4.2%	M
Lift Stations	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	5850.00	5938.34	88.34	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Treatment and Disposal																		
- RBC/trickling filter	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	16700.00	16952.17	252.17	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19276.75	286.75	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- sewage lagoon	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	3340.00	3390.43	50.43	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- aerated lagoon	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	7330.00	7440.68	110.68	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- septic/holding tank	17.5	18.0	0.5	2.9%	43.0	44.0	1.0	2.3%	300.00	304.53	4.53	1.5%	0.8	14.0	14.4	0.4	2.9%	EACH
- jet pump disposal	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	710.00	720.72	10.72	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
Wastewater MTA	143.1	125.7	-17.4	-12.2%	7.0	6.0	-1.0	-14.3%					0.8	114.5	100.6	-13.9	-12.2%	EACH
Liquid Waste Coll.	194.0	290.6	96.6	49.8%	4.0	6.0	2.0	50.0%	38500.00	39081.35	581.35	1.5%	0.8	155.2	232.5	77.3	49.8%	EACH
Liq Waste Coll (Unmod)	40.3	41.3	1.0	2.5%	1.0	1.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	32.2	33.0	0.8	2.5%	EACH
Total WASTEWATER	406.7	487.9	81.2	20.0%										325.4	390.3	65.0	20.0%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY				COST				NFR							
		AMT	INC AMT	%	92	93	INC		92	93	INC		FTR	92	93	INC			
							AMT	%			AMT	%				AMT		%	AMT
SOLID WASTE																			
Landfill	10.7	20.8	10.1	94.4%	1.0	2.0	1.0	100.0%	8150.00	8273.07	123.07	1.5%	0.8	8.6	16.6	8.1	94.4%	EACH	
Refuse Site	0.0	2.7	2.7	N/A	0.0	1.0	1.0	N/A	2000.00	2030.20	30.20	1.5%	0.8	0.0	2.2	2.2	N/A	EACH	
Incinerator	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	10980.90	11146.71	165.81	1.5%	0.8	0.0	0.0	0.0	N/A	EACH	
Solid Waste MTA	6.0	18.0	12.0	200.0%	1.0	2.0	1.0	100.0%					0.8	4.8	14.4	9.6	200.0%	EACH	
Refuse Coll. Truck	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	39330.00	39923.88	593.88	1.5%	0.8	0.0	0.0	0.0	N/A	EACH	
Ref. Coll. Tr (Unmod)	373.7	302.7	-71.0	-19.0%	13.0	11.0	-2.0	-15.4%	21860.00	22190.09	330.09	1.5%	0.8	299.0	242.2	-56.8	-19.0%	EACH	
Total SOLID WASTE	390.4	344.2	-46.2	-11.8%										312.3	275.4	-37.0	-11.8%		
OTHER																			
Utility	93.1	87.1	-6.0	-6.4%	1333.0	1228.0	-105.0	-7.9%	16.23	16.48	0.25	1.5%	0.8	74.5	69.7	-4.8	-6.4%	SQ M	
Other MTA	0.0	104.5	104.5	N/A	0.0	0.0	0.0	N/A					0.8	0.0	83.6	83.6	N/A	EACH	
Total OTHER	93.1	191.6	98.5	105.8%										74.5	153.3	78.8	105.8%		
TOTAL GROUP 2	1495.9	1652.6	156.7	10.5%										1196.7	1322.1	125.3	10.5%		
GROUP 3																			
Administrative	853.2	872.6	19.4	2.3%	8400.0	8605.0	205.0	2.4%	38.36	38.94	0.58	1.5%	0.2	170.6	174.5	3.9	2.3%	SQ M	
Daycare Center	69.0	91.1	22.1	32.0%	635.0	798.0	163.0	25.7%	46.83	47.54	0.71	1.5%	0.2	13.8	18.2	4.4	32.0%	SQ M	
Recreational	392.1	351.5	-40.6	-10.4%	6095.0	5780.0	-315.0	-5.2%	24.37	24.74	0.37	1.5%	0.2	78.4	70.3	-8.1	-10.4%	SQ M	
Operative	370.5	363.3	-7.2	-1.9%	6889.0	6966.0	77.0	1.1%	16.01	16.25	0.24	1.5%	0.2	74.1	72.7	-1.4	-1.9%	SQ M	
TOTAL GROUP 3	1684.8	1678.5	-6.3	-0.4%										337.0	335.7	-1.3	-0.4%		
GROUP 4																			
Wastewater Trtmt PGM	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	876.97	890.21	13.24	1.5%	1.0	0.0	0.0	0.0	N/A	EACH	
TOTAL GROUP 4	0.0	0.0	0.0	N/A										0.0	0.0	0.0	N/A		
REGIONAL TOTALS	3967.8	4185.6	217.8	5.5%										2258.1	2449.0	190.9	8.5%		

APPENDIX 9-1: BC REGION GFR TABLE

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST		
	92 GFR AMT	93\$92BY		92\$93BY			93 GFR			QTY				COST					
		AMT	INC	AMT	INC	AMT	INC	AMT	INC	92	93	INC		92	93	INC			
												AMT	%			AMT	%	AMT	%
EDUCATION																			
Schools	4285.0	4346.6	61.6	1.4%	4424.0	139.0	3.2%	4485.6	200.6	4.7%	56320.0	57676.0	1356.0	2.4%	46.83	46.83	0.00	0.0%	
Teacherages	519.3	535.6	16.3	3.1%	553.0	33.7	6.5%	569.3	50.0	9.6%	11917.0	12974.0	1057.0	8.9%	11.91	12.09	0.18	1.5%	
Student Residences	66.7	68.8	2.1	3.1%	66.7	0.0	0.0%	68.8	2.1	3.1%	673.0	673.0	0.0	0.0%	42.63	43.27	0.64	1.5%	
TOTAL EDUCATION	4871.0	4951.0	80.0	1.6%	5043.7	172.7	3.5%	5123.7	252.7	5.2%									
GROUP 1																			
FIRE																			
Fire Stations	313.7	323.1	9.4	3.0%	325.0	11.3	3.6%	334.4	20.7	6.6%	9134.0	9436.0	302.0	3.3%	21.31	21.64	0.33	1.5%	
Mini-pumper	350.2	361.0	10.8	3.1%	325.9	-24.3	-6.9%	336.7	-13.5	-3.9%	40.0	38.0	-2.0	-5.0%	6500.00	6598.15	98.15	1.5%	
Triple-pumper	311.7	321.8	10.1	3.2%	321.5	9.8	3.1%	331.6	19.9	6.4%	31.0	32.0	1.0	3.2%	7320.00	7430.53	110.53	1.5%	
Fire MTA	248.0	260.5	12.5	5.0%	248.0	0.0	0.0%	260.5	12.5	5.0%	79.0	70.0	-9.0	-11.4%					
Total FIRE	1223.6	1268.4	42.8	3.5%	1220.4	-3.2	-0.3%	1263.2	39.8	3.2%									
ROADS																			
Earth Roads	253.7	257.2	3.5	1.4%	245.3	-8.4	-3.3%	248.8	-4.9	-1.9%	103.0	102.0	-1.0	-1.0%	2620.00	2620.00	0.00	0.0%	
Gravel Roads	2391.8	2431.0	39.2	1.6%	2531.9	140.1	5.9%	2571.1	179.3	7.5%	592.0	632.0	40.0	6.8%	3820.00	3820.00	0.00	0.0%	
Surface Treated Roads	50.0	51.0	1.0	2.0%	68.8	18.8	37.6%	69.8	19.8	39.6%	16.0	21.0	5.0	31.3%	3250.00	3250.00	0.00	0.0%	
Paved Roads	362.1	367.1	5.0	1.4%	375.3	13.2	3.6%	380.3	18.2	5.0%	124.0	128.0	4.0	3.2%	3250.00	3250.00	0.00	0.0%	
Vehicular Bridges	155.6	157.7	2.1	1.3%	143.2	-12.4	-8.0%	145.3	-10.3	-6.6%	5035.0	4937.0	-98.0	-1.9%	25.00	25.00	0.00	0.0%	
Pedestrian Bridges	33.1	33.4	0.3	0.9%	33.1	0.0	0.0%	33.4	0.3	0.9%	960.0	960.0	0.0	0.0%	25.00	25.00	0.00	0.0%	
Large Culverts	1.7	1.7	0.0	0.0%	1.7	0.0	0.0%	1.7	0.0	0.0%	56.0	56.0	0.0	0.0%	25.00	25.00	0.00	0.0%	
Roads MTA	5.4	5.4	0.0	0.0%	5.4	0.0	0.0%	5.4	0.0	0.0%	1.0	1.0	0.0	0.0%					
Total ROADS	3253.4	3304.5	51.1	1.6%	3404.7	151.3	4.7%	3455.8	202.4	8.2%									
ELECTRICAL																			
Transmission	19.0	19.5	0.5	2.6%	19.0	0.0	0.0%	19.5	0.5	2.6%	5.0	5.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%	
Distribution	165.3	169.4	4.1	2.5%	150.1	-15.2	-9.2%	154.2	-11.1	-6.7%	25.0	26.0	1.0	4.0%	2240.00	2273.82	33.82	1.5%	
Street Lights	37.2	38.4	1.2	3.2%	37.2	0.0	0.0%	38.4	1.2	3.2%	146.0	146.0	0.0	0.0%	105.00	106.59	1.59	1.5%	
Generators	1547.9	1011.8	-536.1	-34.6%	1547.9	0.0	0.0%	1011.8	-536.1	-34.6%	33.0	51.0	18.0	54.5%					
Street Light MTA	264.7	277.8	13.1	4.9%	264.7	0.0	0.0%	277.8	13.1	4.9%	110.0	104.0	-6.0	-5.5%					
Electrical MTA	392.0	404.5	12.5	3.2%	392.0	0.0	0.0%	404.5	12.5	3.2%	2.0	2.0	0.0	0.0%					
Total ELECTRICAL	2428.1	1921.4	-504.7	-20.8%	2410.9	-15.2	-0.8%	1906.2	-519.9	-21.4%									
TOTAL GROUP 1	8903.1	8492.3	-410.8	-8.0%	7038.0	132.9	1.9%	8825.2	-277.9	-4.0%									

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST				
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST					
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93		AMT	%	
				AMT	%		AMT	%		AMT	%			AMT	%		AMT	%			
GROUP 2																					
WATER SUPPLY																					
Systems																					
- watermains-unheated	1837.6	1899.6	62.0	3.4%	1918.0	80.4	4.4%	1980.0	142.4	7.7%	725145.0	757898.0	32753.0	4.5%	1.82	1.85	0.03	1.6%			
- watermains-heated	0.5	0.5	0.0	0.0%	0.7	0.2	40.0%	0.7	0.2	40.0%	275.0	344.0	69.0	25.1%	2.97	3.01	0.04	1.3%			
- storage reservoirs	164.5	169.8	5.3	3.2%	165.0	0.5	0.3%	170.3	5.8	3.5%	188.0	191.0	3.0	1.6%	650.00	659.82	9.82	1.5%			
- standpipes	3.2	3.3	0.1	3.1%	2.3	-0.9	-28.1%	2.4	-0.8	-25.0%	4.0	3.0	-1.0	-25.0%	640.00	649.66	9.66	1.5%			
Pumphouses					0.0																
- community wells	791.5	818.8	27.3	3.4%	816.2	24.7	3.1%	843.5	52.0	6.6%	251.0	262.0	11.0	4.4%	2700.00	2740.77	40.77	1.5%			
- low level lift	237.1	245.2	8.1	3.4%	240.6	3.5	1.5%	248.7	11.6	4.9%	52.0	53.0	1.0	1.9%	3440.00	3491.94	51.94	1.5%			
- high lift	112.6	116.5	3.9	3.5%	76.5	-36.1	-32.1%	80.4	-32.2	-28.6%	11.0	10.0	-1.0	-9.1%	7900.00	8019.29	119.29	1.5%			
Treatment Facilities					0.0																
- system	61.8	63.3	1.5	2.4%	61.8	0.0	0.0%	63.3	1.5	2.4%	3.0	3.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%			
- unit	236.0	242.3	6.3	2.7%	251.3	15.3	6.5%	257.6	21.6	9.2%	56.0	60.0	4.0	7.1%	3000.00	3045.30	45.30	1.5%			
Water MTA	332.9	346.6	13.7	4.1%	332.9	0.0	0.0%	346.6	13.7	4.1%	56.0	53.0	-3.0	-5.4%							
Water Delivery	91.1	94.0	2.9	3.2%	91.1	0.0	0.0%	94.0	2.9	3.2%	2.0	2.0	0.0	0.0%	38300.00	38878.33	578.33	1.5%			
Water Delivery (Unmod)	26.6	27.5	0.9	3.4%	26.6	0.0	0.0%	27.5	0.9	3.4%	1.0	1.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%			
Total WATER	3895.4	4027.4	132.0	3.4%	3983.0	87.6	2.2%	4115.0	219.6	5.6%											
WASTEWATER																					
Collection																					
- gravity mains	316.8	328.2	11.4	3.6%	338.2	21.4	6.8%	349.6	32.8	10.4%	218655.0	234523.0	15868.0	7.3%	0.94	0.96	0.02	2.1%			
Lift Stations	601.3	620.5	19.2	3.2%	617.8	16.5	2.7%	637.0	35.7	5.9%	73.0	79.0	6.0	8.2%	5850.00	5938.34	88.34	1.5%			
Treatment and Disposal																					
- RBC/trickling filter	37.5	38.8	1.3	3.5%	37.5	0.0	0.0%	38.8	1.3	3.5%	2.0	2.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%			
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19278.75	286.75	1.5%			
- sewage lagoon	152.8	157.7	4.9	3.2%	149.3	-3.5	-2.3%	154.2	1.4	0.9%	35.0	34.0	-1.0	-2.9%	3340.00	3390.43	50.43	1.5%			
- aerated lagoon	33.7	34.8	1.1	3.3%	42.6	8.9	26.4%	43.7	10.0	29.7%	4.0	5.0	1.0	25.0%	7330.00	7440.68	110.68	1.5%			
- septic/holding tank	80.8	83.4	2.6	3.2%	85.5	4.7	5.8%	88.1	7.3	9.0%	194.0	208.0	14.0	7.2%	300.00	304.53	4.53	1.5%			
- jet pump disposal	8.2	8.5	0.3	3.7%	10.1	1.9	23.2%	10.4	2.2	26.8%	9.0	11.0	2.0	22.2%	710.00	720.72	10.72	1.5%			
Wastewater MTA	763.6	783.9	20.3	2.7%	763.6	0.0	0.0%	783.9	20.3	2.7%	33.0	27.0	-6.0	-18.2%							
Liquid Waste Coll.	128.6	132.8	4.2	3.3%	128.6	0.0	0.0%	132.8	4.2	3.3%	2.0	2.0	0.0	0.0%	38500.00	39081.35	581.35	1.5%			
Liq Waste Coll (Unmod)	165.1	169.6	4.5	2.7%	165.1	0.0	0.0%	169.6	4.5	2.7%	5.0	5.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%			
Total WASTEWATER	2288.4	2358.2	69.8	3.1%	2338.3	49.9	2.2%	2408.1	119.7	5.2%											

ASSET TYPE	OLD GFR		PRICE INCREASE				VOLUME INCREASE			NEW GFR			QUANTITY				COST			
	92 GFR AMT	93\$92BY				92\$93BY			93 GFR			QTY				COST				
		AMT	AMT	INC		AMT	INC		AMT	INC		92	93	INC		92	93		INC	
				AMT	%		AMT	%		AMT	%			AMT	%		AMT	%		
SOLID WASTE																				
Landfill	153.7	158.0	4.3	2.8%	165.0	11.3	7.4%	169.3	15.6	10.1%	10.0	11.0	1.0	10.0%	8150.00	8273.07	123.07	1.5%		
Refuse Site	2.4	2.4	0.0	0.0%	0.0	-2.4	-100.0%	0.0	-2.4	-100.0%	1.0	0.0	-1.0	-100.0%	2000.00	2030.20	30.20	1.5%		
Incinerator	88.4	90.9	2.5	2.8%	88.4	0.0	0.0%	90.9	2.5	2.8%	4.0	4.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%		
Solid Waste MTA	777.9	845.6	67.7	8.7%	777.9	0.0	0.0%	845.6	67.7	8.7%	128.0	120.0	-8.0	-6.3%						
Refuse Coll. Truck	46.8	48.3	1.5	3.2%	46.8	0.0	0.0%	48.3	1.5	3.2%	1.0	1.0	0.0	0.0%	39330.00	39923.88	593.88	1.5%		
Ref. Coll. Tr (Unmod)	2347.8	2417.1	69.3	3.0%	2349.1	1.3	0.1%	2418.4	70.6	3.0%	77.0	77.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%		
Total SOLID WASTE	3417.0	3562.3	145.3	4.3%	3427.2	10.2	0.3%	3572.5	155.5	4.6%										
OTHER																				
Utility	113.3	117.1	3.8	3.4%	116.5	3.2	2.8%	120.3	7.0	6.2%	4426.0	4591.0	165.0	3.7%	16.23	16.48	0.25	1.5%		
Other MTA	69.7	68.7	-1.0	-1.4%	69.7	0.0	0.0%	68.7	-1.0	-1.4%	5.0	4.0	-1.0	-20.0%						
Total OTHER	183.0	185.8	2.8	1.5%	186.2	3.2	1.7%	189.0	6.0	3.3%										
TOTAL GROUP 2	9783.8	10133.7	349.9	3.6%	9934.7	150.9	1.5%	10284.6	500.8	5.1%										
GROUP 3																				
Administrative	1809.0	1867.5	58.5	3.2%	1781.9	-27.1	-1.5%	1840.4	31.4	1.7%	38166.0	38252.0	86.0	0.2%	38.36	38.94	0.58	1.5%		
Daycare Center	117.1	120.6	3.5	3.0%	114.5	-2.6	-2.2%	118.0	0.9	0.8%	1789.0	1769.0	-20.0	-1.1%	46.83	47.54	0.71	1.5%		
Recreational	2777.8	2862.0	84.2	3.0%	2795.9	18.1	0.7%	2880.1	102.3	3.7%	81264.0	83090.0	1826.0	2.2%	24.37	24.74	0.37	1.5%		
Operative	566.4	584.7	18.3	3.2%	577.5	11.1	2.0%	595.8	29.4	5.2%	21116.0	21568.0	452.0	2.1%	16.01	16.25	0.24	1.5%		
TOTAL GROUP 3	5270.3	5434.8	164.5	3.1%	5269.8	-0.5	-0.0%	5434.3	164.0	3.1%										
GROUP 4																				
Wastewater Trtmt PGM	35.3	35.8	0.5	1.5%	35.3	0.0	0.0%	35.8	0.5	1.5%	41.0	41.0	0.0	0.0%	876.97	890.21	13.24	1.5%		
TOTAL GROUP 4	35.3	35.8	0.5	1.5%	35.3	0.0	0.0%	35.8	0.5	1.5%										
REGIONAL TOTALS	26863.5	27047.6	164.1	0.7%	27319.5	456.0	1.7%	27503.6	640.1	2.4%										

APPENDIX 9-2: BC REGION NFR TABLE

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR AMT	93 GFR		QTY				COST				NFR						
		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC			
						AMT	%			AMT	%				AMT	%		AMT
EDUCATION																		
Schools	4285.0	4485.6	200.6	4.7%	56320.0	57676.0	1356.0	2.4%	46.83	46.83	0.00	0.0%	1.0	4285.0	4485.6	200.6	4.7%	SQ M
Teacherages	519.3	569.3	50.0	9.6%	11917.0	12974.0	1057.0	8.9%	11.91	12.09	0.18	1.5%	1.0	519.3	569.3	50.0	9.6%	SQ M
Student Residences	66.7	68.8	2.1	3.1%	673.0	673.0	0.0	0.0%	42.63	43.27	0.64	1.5%	1.0	66.7	68.8	2.1	3.1%	SQ M
TOTAL EDUCATION	4871.0	5123.7	252.7	5.2%										4871.0	5123.7	252.7	5.2%	
GROUP 1																		
FIRE																		
Fire Stations	313.7	334.4	20.7	6.6%	9134.0	9436.0	302.0	3.3%	21.31	21.64	0.33	1.5%	0.9	282.3	301.0	18.6	6.6%	SQ M
Mini-pumper	350.2	336.7	-13.5	-3.9%	40.0	38.0	-2.0	-5.0%	6500.00	6598.15	98.15	1.5%	0.9	315.2	303.0	-12.2	-3.9%	EACH
Triple-pumper	311.7	331.6	19.9	6.4%	31.0	32.0	1.0	3.2%	7320.00	7430.53	110.53	1.5%	0.9	280.5	298.4	17.9	6.4%	EACH
Fire MTA	248.0	260.5	12.5	5.0%	79.0	70.0	-9.0	-11.4%					0.9	223.2	234.5	11.3	5.0%	EACH
Total FIRE	1223.6	1263.2	39.6	3.2%										1101.2	1136.9	35.6	3.2%	
ROADS																		
Earth Roads	253.7	248.8	-4.9	-1.9%	103.0	102.0	-1.0	-1.0%	2620.00	2620.00	0.00	0.0%	0.9	228.3	223.9	-4.4	-1.9%	KM
Gravel Roads	2391.8	2571.1	179.3	7.5%	592.0	632.0	40.0	6.8%	3820.00	3820.00	0.00	0.0%	0.9	2152.6	2314.0	161.4	7.5%	KM
Surface Treated Roads	50.0	69.8	19.8	39.6%	16.0	21.0	5.0	31.3%	3250.00	3250.00	0.00	0.0%	0.9	45.0	62.8	17.8	39.6%	KM
Paved Roads	362.1	380.3	18.2	5.0%	124.0	128.0	4.0	3.2%	3250.00	3250.00	0.00	0.0%	0.9	325.9	342.3	16.4	5.0%	KM
Vehicular Bridges	155.6	145.3	-10.3	-6.6%	5035.0	4937.0	-98.0	-1.9%	25.00	25.00	0.00	0.0%	0.9	140.0	130.8	-9.3	-6.6%	SQ M
Pedestrian Bridges	33.1	33.4	0.3	0.9%	960.0	960.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	29.8	30.1	0.3	0.9%	SQ M
Large Culverts	1.7	1.7	0.0	0.0%	56.0	56.0	0.0	0.0%	25.00	25.00	0.00	0.0%	0.9	1.5	1.5	0.0	0.0%	SQ M
Roads MTA	5.4	5.4	0.0	0.0%	1.0	1.0	0.0	0.0%					0.9	4.9	4.9	0.0	0.0%	EACH
Total ROADS	3253.4	3455.8	202.4	6.2%										2928.1	3110.2	182.2	6.2%	
ELECTRICAL																		
Transmission	19.0	19.5	0.5	2.6%	5.0	5.0	0.0	0.0%	1090.00	1106.46	16.46	1.5%	0.9	17.1	17.6	0.4	2.6%	KM
Distribution	165.3	154.2	-11.1	-6.7%	25.0	26.0	1.0	4.0%	2240.00	2273.82	33.82	1.5%	0.9	148.8	138.8	-10.0	-6.7%	KM
Street Lights	37.2	38.4	1.2	3.2%	146.0	146.0	0.0	0.0%	105.00	106.59	1.59	1.5%	0.9	33.5	34.6	1.1	3.2%	EACH
Generators	1547.9	1011.8	-536.1	-34.6%	33.0	51.0	18.0	54.5%					0.9	1393.1	910.6	-482.5	-34.6%	EACH
Street Light MTA	264.7	277.8	13.1	4.9%	110.0	104.0	-6.0	-5.5%					0.9	238.2	250.0	11.8	4.9%	EACH
Electrical MTA	392.0	404.5	12.5	3.2%	2.0	2.0	0.0	0.0%					0.9	352.8	364.1	11.3	3.2%	EACH
Total ELECTRICAL	2426.1	1906.2	-519.9	-21.4%										2183.5	1715.6	-467.9	-21.4%	
TOTAL GROUP 1	6903.1	6625.2	-277.9	-4.0%										6212.8	5962.7	-250.1	-4.0%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS	
	92 GFR		93 GFR		QTY				COST				NFR					
	AMT		AMT	INC	92	93	INC		92	93	INC		FTR	92	93	INC		
							AMT	%			AMT	%				AMT		%
GROUP 2																		
WATER SUPPLY																		
Systems																		
- watermains-unheated	1837.6	1980.0	142.4	7.7%	725145.0	757898.0	32753.0	4.5%	1.82	1.85	0.03	1.6%	0.8	1470.1	1584.0	113.9	7.7%	M
- watermains-heated	0.5	0.7	0.2	40.0%	275.0	344.0	69.0	25.1%	2.97	3.01	0.04	1.3%	0.8	0.4	0.6	0.2	40.0%	M
- storage reservoirs	164.5	170.3	5.8	3.5%	188.0	191.0	3.0	1.6%	650.00	659.82	9.82	1.5%	0.8	131.6	136.2	4.6	3.5%	EACH
- standpipes	3.2	2.4	-0.8	-25.0%	4.0	3.0	-1.0	-25.0%	640.00	649.66	9.66	1.5%	0.8	2.6	1.9	-0.6	-25.0%	EACH
Pumphouses																		
- community wells	791.5	843.5	52.0	6.6%	251.0	262.0	11.0	4.4%	2700.00	2740.77	40.77	1.5%	0.8	633.2	674.8	41.6	6.6%	EACH
- low level lift	237.1	248.7	11.6	4.9%	52.0	53.0	1.0	1.9%	3440.00	3491.94	51.94	1.5%	0.8	189.7	199.0	9.3	4.9%	EACH
- high lift	112.6	80.4	-32.2	-28.6%	11.0	10.0	-1.0	-9.1%	7900.00	8019.29	119.29	1.5%	0.8	90.1	64.3	-25.8	-28.6%	EACH
Treatment Facilities																		
- system	61.8	63.3	1.5	2.4%	3.0	3.0	0.0	0.0%	18240.00	18515.42	275.42	1.5%	0.8	49.4	50.6	1.2	2.4%	EACH
- unit	236.0	257.6	21.6	9.2%	56.0	60.0	4.0	7.1%	3000.00	3045.30	45.30	1.5%	0.8	188.8	206.1	17.3	9.2%	EACH
Water MTA	332.9	346.6	13.7	4.1%	56.0	53.0	-3.0	-5.4%					0.8	266.3	277.3	11.0	4.1%	EACH
Water Delivery	91.1	94.0	2.9	3.2%	2.0	2.0	0.0	0.0%	38300.00	38878.33	578.33	1.5%	0.8	72.9	75.2	2.3	3.2%	EACH
Water Delivery (Unmod)	26.6	27.5	0.9	3.4%	1.0	1.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	21.3	22.0	0.7	3.4%	EACH
Total WATER	3895.4	4115.0	219.6	5.6%										3116.3	3292.0	175.7	5.6%	
WASTEWATER																		
Collection																		
- gravity mains	316.8	349.6	32.8	10.4%	218655.0	234523.0	15868.0	7.3%	0.94	0.96	0.02	2.1%	0.8	253.4	279.7	26.2	10.4%	M
Lift Stations	601.3	637.0	35.7	5.9%	73.0	79.0	6.0	8.2%	5850.00	5938.34	88.34	1.5%	0.8	481.0	509.6	28.6	5.9%	EACH
Treatment and Disposal																		
- RBC/trickling filter	37.5	38.8	1.3	3.5%	2.0	2.0	0.0	0.0%	16700.00	16952.17	252.17	1.5%	0.8	30.0	31.0	1.0	3.5%	EACH
- extended aeration	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	18990.00	19276.75	286.75	1.5%	0.8	0.0	0.0	0.0	N/A	EACH
- sewage lagoon	152.8	154.2	1.4	0.9%	35.0	34.0	-1.0	-2.9%	3340.00	3390.43	50.43	1.5%	0.8	122.2	123.4	1.1	0.9%	EACH
- aerated lagoon	33.7	43.7	10.0	29.7%	4.0	5.0	1.0	25.0%	7330.00	7440.68	110.68	1.5%	0.8	27.0	35.0	8.0	29.7%	EACH
- septic/holding tank	80.8	88.1	7.3	9.0%	194.0	208.0	14.0	7.2%	300.00	304.53	4.53	1.5%	0.8	64.6	70.5	5.8	9.0%	EACH
- jet pump disposal	8.2	10.4	2.2	26.8%	9.0	11.0	2.0	22.2%	710.00	720.72	10.72	1.5%	0.8	6.6	8.3	1.8	26.8%	EACH
Wastewater MTA	763.6	783.9	20.3	2.7%	33.0	27.0	-6.0	-18.2%					0.8	610.9	627.1	16.2	2.7%	EACH
Liquid Waste Coll.	128.6	132.8	4.2	3.3%	2.0	2.0	0.0	0.0%	38500.00	39081.35	581.35	1.5%	0.8	102.9	106.2	3.4	3.3%	EACH
Liq Waste Coll (Unmod)	165.1	169.6	4.5	2.7%	5.0	5.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	132.1	135.7	3.6	2.7%	EACH
Total WASTEWATER	2288.4	2408.1	119.7	5.2%										1830.7	1926.5	95.8	5.2%	

ASSET TYPE	OLD GFR		NEW GFR		QUANTITY				COST				NET FUNDING REQUIREMENT				UNITS		
	92 GFR AMT	93 GFR		QTY		COST		COST		FTR	NFR		NFR						
		AMT	INC	92	93	92	93	INC	%		92	93	INC	%	92	93		INC	%
SOLID WASTE																			
Landfill	153.7	169.3	15.6	10.1%	10.0	11.0	1.0	10.0%	8150.00	8273.07	123.07	1.5%	0.8	123.0	135.4	12.5	10.1%	EACH	
Refuse Site	2.4	0.0	-2.4	-100.0%	1.0	0.0	-1.0	-100.0%	2000.00	2030.20	30.20	1.5%	0.8	1.9	0.0	-1.9	-100.0%	EACH	
Incinerator	88.4	90.9	2.5	2.8%	4.0	4.0	0.0	0.0%	10980.90	11146.71	165.81	1.5%	0.8	70.7	72.7	2.0	2.8%	EACH	
Solid Waste MTA	777.9	845.6	67.7	8.7%	128.0	120.0	-8.0	-6.3%					0.8	622.3	676.5	54.2	8.7%	EACH	
Refuse Coll. Truck	46.8	48.3	1.5	3.2%	1.0	1.0	0.0	0.0%	39330.00	39923.88	593.88	1.5%	0.8	37.4	38.6	1.2	3.2%	EACH	
Ref. Coll. Tr (Unmod)	2347.8	2418.4	70.6	3.0%	77.0	77.0	0.0	0.0%	21860.00	22190.09	330.09	1.5%	0.8	1878.2	1934.7	56.5	3.0%	EACH	
Total SOLID WASTE	3417.0	3572.5	155.5	4.8%										2733.8	2858.0	124.4	4.8%		
OTHER																			
Utility	113.3	120.3	7.0	6.2%	4426.0	4591.0	165.0	3.7%	16.23	16.48	0.25	1.5%	0.8	90.6	96.2	5.6	6.2%	SQ M	
Other MTA	69.7	68.7	-1.0	-1.4%	5.0	4.0	-1.0	-20.0%					0.8	55.8	55.0	-0.8	-1.4%	EACH	
Total OTHER	183.0	189.0	8.0	3.3%										148.4	151.2	4.8	3.3%		
TOTAL GROUP 2	9783.8	10284.8	500.8	5.1%										7827.0	8227.7	400.8	5.1%		
GROUP 3																			
Administrative	1809.0	1840.4	31.4	1.7%	38166.0	38252.0	86.0	0.2%	38.36	38.94	0.58	1.5%	0.2	361.8	368.1	6.3	1.7%	SQ M	
Daycare Center	117.1	118.0	0.9	0.8%	1789.0	1769.0	-20.0	-1.1%	46.83	47.54	0.71	1.5%	0.2	23.4	23.6	0.2	0.8%	SQ M	
Recreational	2777.8	2880.1	102.3	3.7%	81264.0	83090.0	1826.0	2.2%	24.37	24.74	0.37	1.5%	0.2	555.6	576.0	20.5	3.7%	SQ M	
Operative	566.4	595.8	29.4	5.2%	21116.0	21568.0	452.0	2.1%	16.01	16.25	0.24	1.5%	0.2	113.3	119.2	5.9	5.2%	SQ M	
TOTAL GROUP 3	5270.3	5434.3	164.0	3.1%										1054.1	1088.9	32.8	3.1%		
GROUP 4																			
Wastewater Trtmt PGM	35.3	35.8	0.5	1.5%	41.0	41.0	0.0	0.0%	876.97	890.21	13.24	1.5%	1.0	35.3	35.8	0.5	1.5%	EACH	
TOTAL GROUP 4	35.3	35.8	0.5	1.5%										35.3	35.8	0.5	1.5%		
REGIONAL TOTALS	26863.5	27503.6	640.1	2.4%										20000.2	20438.8	438.8	2.2%		