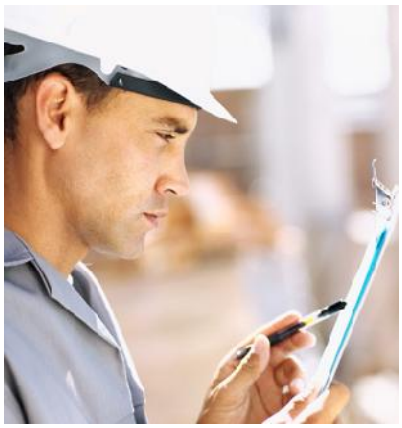
Tara Drinking Water System
Financial Plan

Project No. OS-10-101-16183-00

FINAL

August, 2011



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GENIVAR

101-16183-00

August 22, 2011

Scott McLeod
Water and Sewer Foreman
Municipality of Arran-Elderslie
P.O.Box 70, 1925 Bruce Rd 10
Chesley, ON N0G 1L0

Re: Tara Drinking Water System Financial Plan
Final Report

Dear Mr. McLeod:

We are pleased to submit our final report on the Financial Plan for the Tara Drinking Water System for compliance with the requirements set out in the Safe Drinking Water Act, Regulation 453/07.

We trust that this report meets your requirements and we look forward to any comments you may have.

Yours truly,

GENIVAR Inc.

Rakesh Sharma, P. Eng.
Designated Consulting Engineer
Director – Linear Infrastructure

/fk /vm

Cc: Jim Gordon, Minister of Municipal Affairs and Housing

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Table of Contents

Transmittal Letter
Table of Contents

List of Tables

List of Figures

Appendices

1. Introduction

1.1 Background

As a result of the Justice O'Connor's Part II Walkerton Inquiry Report (2000) and the passing of Ontario's Safe Drinking Water Act (2002), the Province has introduced and is implementing a new Municipal Drinking Water Licensing Program. The Ministry has established the following licensing requirements:

- Certificate of Approval for their Drinking Water Facilities – which will be referred to in the future as a Drinking Water Works Permit
- A Permit to Take Water - mandated under the Ontario Water Resources Act
- An approved Operational Plan - in compliance with the Drinking Water Quality Management Standard (DWQMS)
- An approved Financial Plan – as required under the Financial Plans Regulation (O. Reg. 453/07)
- Accreditation as an Operating Authority – which requires the auditing of the Operational Plan by a third party Accreditation Body

The preparation of a Financial Plan is one of the elements which must be put in place for a licence to be issued. However, in the case of the first licence for an existing drinking water system, the Financial Plan will be required through a condition of the licence. The Municipality of Arran-Elderslie's licence was issued on May 27, 2010 and received on July 19, 2010.

1.2 Study Area

Tara is located within the Municipality of Arran-Elderslie, which is in Bruce County in Southwestern Ontario. A map of the study area is included as Figure 1.1.

The components within the Tara Drinking Water System can be generally summarized as follows:

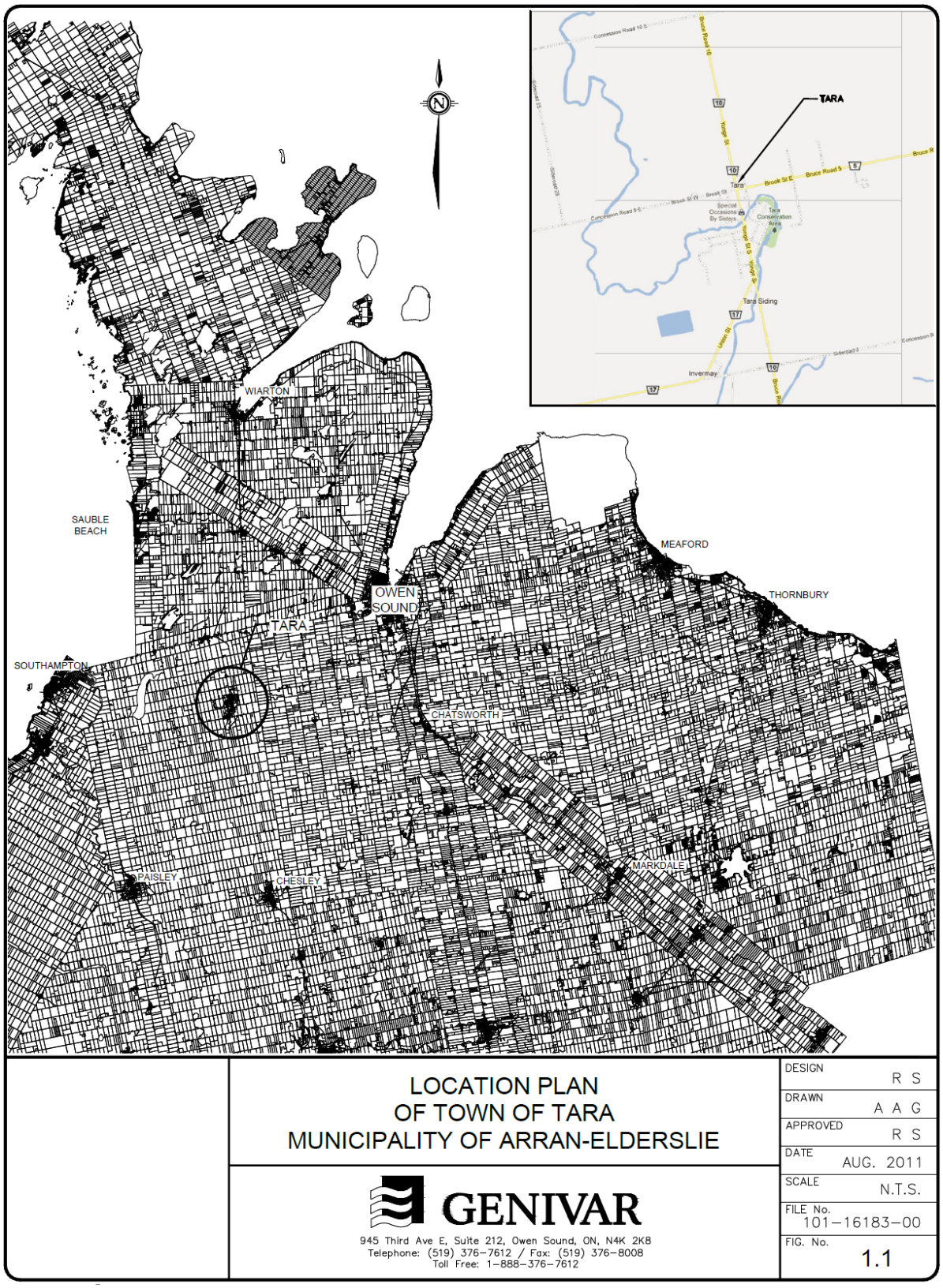
- Wells and Pumping Stations #2, #3, and #4
- Standpipe
- Distribution System

1.3 Study Objective

The Municipality of Arran-Elderslie owns and operates the Tara Drinking Water System. GENIVAR was retained by the Municipality to prepare a Financial Plan for its drinking water system to fulfill the requirements of the municipal drinking water licence.

The objective of this report is therefore to present the Financial Plan for the Tara Drinking Water System, which meets the requirements of the Financial Plan Regulation (O. Reg. 453/07) under the Safe Drinking Water Act (2002).

Figure 1.1 Study Area



2. Financial Plan Requirements and Guidelines

2.1 Financial Plan Regulation

The key points of the Financial Plan Regulation (O. Reg. 453/07) are described in the following subsections.

2.1.1 General Requirements

The following general requirements are outlined in O. Reg. 453/07 and apply to both new and existing systems:

- Declaration: The Financial Plan must include a statement that the financial impacts of the drinking water system have been considered.
- Projection Length: The Financial Plan shall be for a period of at least six years.
- Public Transparency: The Financial Plan must be made available, on request and without charge, to the members of the public that are served by the water system. If the system owner maintains a website, then the Financial Plan must be made available on the website without charge. The owner must provide a notice informing the public of the availability of the Financial Plan, in a manner that the Owner deems fit to bring the notice to the attention of the members of the public that are served by the water system.
- Approval: The Financial Plan must be approved by a council resolution that indicates that the drinking water system is financially viable.
- Submission: A copy of the Financial Plan, along with the resolution must be submitted to the Ministry of Municipal Affairs and Housing.
- Update: The Financial Plan should be updated and approved prior to applying for a licence renewal (i.e. every five years). However, the Regulation does not prevent the Plan from being amended more regularly.

2.1.2 New System Requirements

In addition to the general requirements, the Financial Plan must include details of the projected financial operations, itemized by:

- Total revenues (water rates, user charges, and other revenues)
- Total expenses (amortization expenses, interest expenses, and other expenses)
- Annual surplus or deficit
- Accumulated surplus or deficit

2.1.3 Existing System Requirements

In addition to the above requirements, the Financial Plan of an existing system must include the following details:

- Details of the projected financial position, itemized by:
    a. Total financial assets
    b. Total liabilities
    c. Net debt

d. Non-financial assets that are tangible capital assets, tangible capital assets under construction, inventories of supplies, and prepaid expenses

e. Changes in tangible capital assets that are additions, donations, write downs, and disposals

Items a, b, and c apply only if the information is known to the owner at the time when the Financial Plan is prepared.

→ Details of the projected gross cash receipts and payments, itemized by:

a. Operating transactions that are cash received from revenues and paid for operating expenses and finance charges

b. Capital transactions that are proceeds on the sale of tangible capital assets and cash used to acquire capital assets

c. Investing transactions that are acquisitions and disposal of investments

d. Financing transactions that are proceeds from the issuance of debt and debt repayment

e. Changes in cash and cash equivalents during the year

f. Cash and cash equivalents at the beginning and end of the year

Items a, c, e, and f apply only if the information is known to the owner at the time when the Financial Plan is prepared.

The first year to which the Financial Plan must apply is the year in which the existing licence expires, or in the case of a condition to licence, the first year is the latest of 2011 and the year in which the first licence was issued.

If two or more drinking water systems are solely owned by the same owner, then the Financial Plan can be prepared by treating those systems together as if they were one drinking water system.

2.2 Financial Plan Guidelines

To assist municipalities in preparing the Financial Plan under O. Reg. 453/07, the Ministry of Environment released a document titled “Toward Financially Sustainable Drinking-Water and Wastewater Systems” (August, 2007). This document applies to wastewater systems as well. However, a Financial Plan for a wastewater system is only encouraged and not mandatory.

These guidelines set out the following nine principles to help develop this Financial Plan:

1. Ongoing public engagement and transparency can build support for, and confidence in the Financial Plans and their corresponding system(s).
2. An integrated approach to planning among water, wastewater, and stormwater systems is encouraged considering the inherent relationship among these systems.
3. Revenues collected for the provision of water and wastewater services should ultimately be used to meet the needs of those services.
4. Life-cycle planning with mid-course corrections is preferable to short-term planning or no planning at all.
5. An asset management plan is a key input to the development of a Financial Plan
6. A sustainable level of revenue allows for reliable service that meets or exceeds environmental protection standards, while ensuring sufficient resources for future rehabilitation and replacement needs.

7. Ensuring users pay for the services they are provided leads to equitable outcomes and can improve conservation. In general, metering and the use of rates can help ensure users pay for services received.

8. Financial Plans are documents that require continuous updates and improvement. Improved planning for the future can be achieved by comparing the accuracy of financial projections with actual results.

9. Financial Plans can benefit from the close collaboration of various groups, including engineers, accountants, auditors, utility staff, and municipal council.

2.3 Public Sector Accounting Board (PSAB) Requirements

The Public Sector Accounting Board (PSAB) of the Canadian Institute of Chartered Accountants (CICA) approved new municipal financial accounting and reporting standards in June 2006. The new standards require full accrual accounting for 2009 and future years, as well as accounting of tangible capital assets in the financial statements.

The accrual accounting method recognizes revenues and expenses in the same period as the activities that give rise to them regardless of when the payment was actually made. Since the exchange of cash is not necessary to report a financial transaction, the accrual method provides a more accurate picture of the municipality's financial position. Tangible capital assets will be capitalized so as to create an inventory of the assets owned and to account for their ability to provide future benefits.

3. Approach

The Financial Plan guidelines were used to select the approach for preparing the Tara Drinking Water System Financial Plan.

The following steps summarize the general approach:

- Determine current period expenses and forecast future period expenses
- Determine and forecast capital expenditure needs
- Identify all sources of current revenues and forecast revenues with an increase of 3%
- Assess the suitability of the existing revenues (with an increase of 3%)
- Identify funding requirements and determine the required (new) revenues
- Prepare the following statements based on the required (new) revenues:
    - Statement of Operations
    - Statement of Cash Flow
    - Statement of Financial Position

4. Expenses

4.1 Data Sources and Assumptions

Expenses were divided into three categories: operating, interest, and amortization.

The current period operating expenses were determined from the Municipality's 2011 budget, which also included expense details for the years 2009 and 2010. The list of operating expenses and the budget details provided by the Municipality is available in Appendix A.

Some expenses listed in the Municipality's budget were common to the Municipality's water and wastewater systems. It was assumed that 50% of these expenses would be applied to the water systems. The Municipality owns and operates three water systems: Chesley, Paisley, and Tara. Operating expenses that are common to all three of these water systems were apportioned to each one of them as per the dollar amounts provided by the Municipality in the 2011 operating budget.

The future period operating expenses were assumed to increase by the assumed rate of inflation, which is 3% per annum.

Since there are no current loans or debts, it was assumed that no debt would be incurred in the future and thus there would be no interest expenses for future periods.

The annual amortization expenses were based on the historic cost of assets, which was apportioned over the useful life of the asset using the straight-line depreciation method. The historic costs of assets were determined by deflating the 2008 cost estimates provided in the PSAB tables, at an assumed rate of 3%. The useful lives of the assets were also based on the PSAB tables. A list of all assets and their estimated historic costs and useful lives are provided in Appendix B.

4.2 Operating Expenses

Operating expenses are generally ongoing expenses related with providing service. These are items that need to keep the operation running on a day-to-day basis. Items included in operating expenses typically include wages, benefits, materials, supplies, maintenance, pagers, equipment fuel, utilities, mileage, etc. A list of the operating expenses is provided in Appendix A.

The projected operating expenses are shown in Figure 4.1. As previously mentioned, the operating expenses have been projected based on 3% inflation per year.

Figure 4.1 Projected Operating Expenses

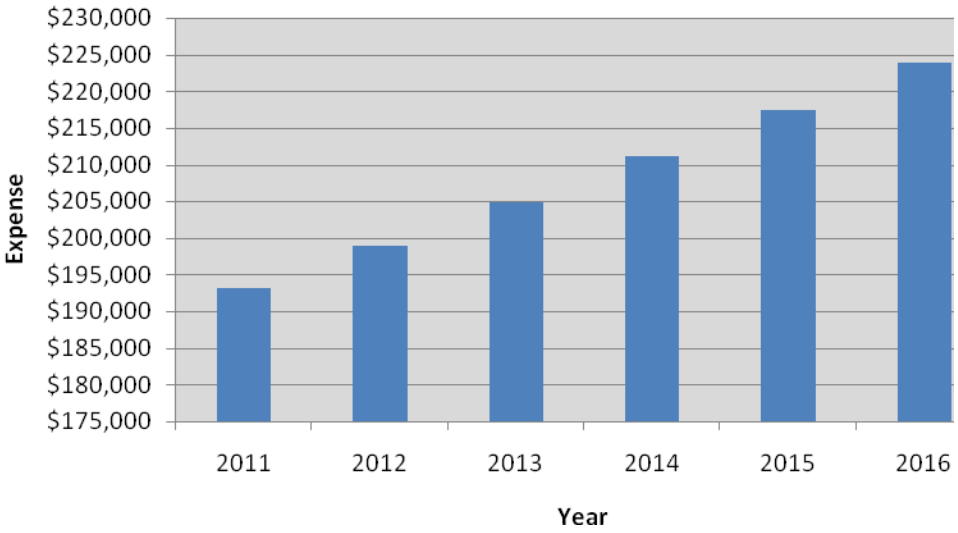


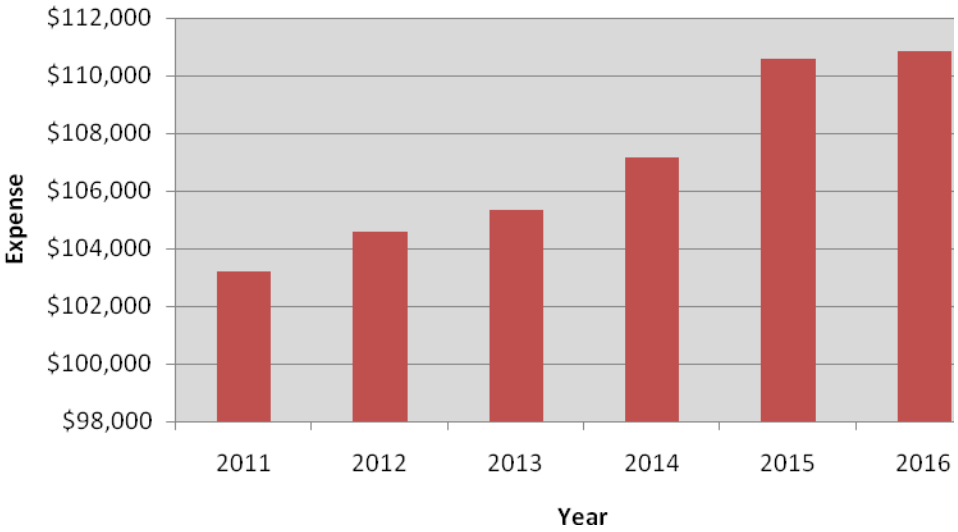
Figure 4.1 shows that the operating expenses are projected to increase from approximately $193,173/yr in 2011 to $223,940/yr in 2016, based on an increase of 3% per year due to inflation.

4.3 Amortization Expenses

Amortization is a non-cash expense, which indicates the gradual wear of tangible capital assets (TCAs). The annual expense is based on the asset's historic cost, and apportioned over the useful life of the asset using a straight-line depreciation method. It is important to note that the old municipal accounting practice was different, as it recorded expenditures on TCAs as current period expenditures, and then disappeared from subsequent financial statements.

The projected amortization expenses are shown in Figure 4.2.

Figure 4.2 Projected Amortization Expenses



The yearly variations in amortization expenses shown in Figure 4.2 are due to the replacement of assets or acquisitions of new assets. In the year in which an asset is replaced, there is no amortization expense

for that asset for that year. With regards to acquisitions of new assets, there is an increase of amortization expense following the year in which a new asset is acquired.

4.4 Total Expenses

The total expenses are the sum of the operating, amortization, and interest expenses. At this time, there are no interest expenses. However, after the evaluation of existing rates, which is presented in Section 7, if a debt is decided to be incurred, then the total expenses will be revised to include interest expenses.

The projected total expenses i.e. including operating, amortization, and interest are shown in Figure 4.3.

Figure 4.3 Projected Total Expenses

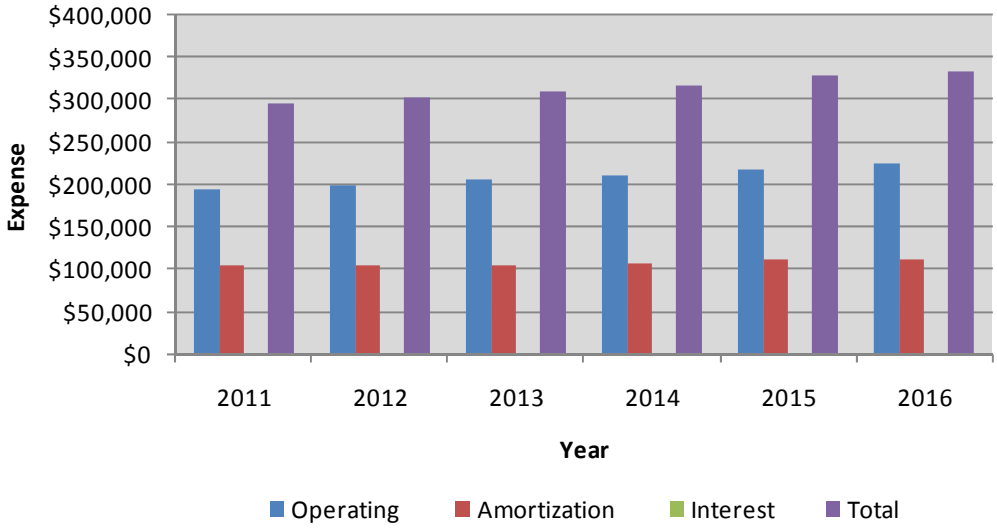


Figure 4.3 shows that the total expenses, which include the operating, amortization, and interest expenses, increase to about $334,786/yr by the end of the projection period in the year 2016. This is due to the increasing operating costs due to inflation, and the generally increasing amortization expenses due to the acquisitions of new assets.

5. Capital Expenditure

5.1 Data Sources and Assumptions

The PSAB tables included estimates of each asset's expected useful life and replacement cost. Inflation was assumed to be 3%.

At the time the Financial Plan was prepared, there were no assets under construction, and it was assumed that there are no significant inventories of supplies and no pre-paid expenses.

5.2 Future Capital Needs

The future capital needs of the Tara Drinking Water System for the projection horizon are shown in Figure 5.1.

Figure 5.1 Future Capital Expenditure

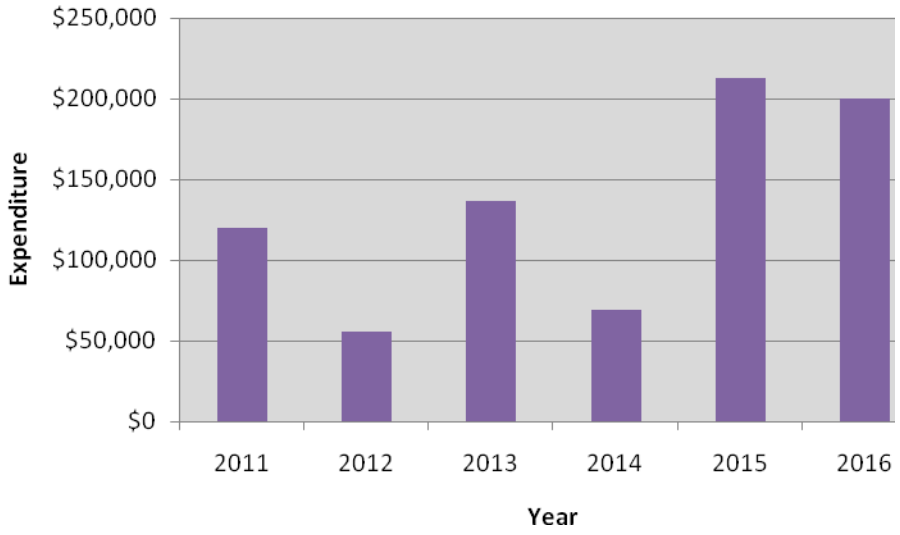


Table 5-1 provides general details on the main assets anticipated to be acquired or replaced in the capital expenditure plan shown in Figure 5.1. The estimated amounts shown in Table 5-1 are in current dollars adjusted for inflation for the proposed year.

Table 5-1 Planned Capital Expenditure

Year	Asset	Amount
2011	Scada upgrades and replacement of watermains	$120,000
2012	Replacement of watermains	$55,185
2013	Replacement of watermains	$136,287
2014	Replacement of watermains	$68,845
2015	Replacement of watermains	$212,841
2016	Replacement of watermains	$200,229

6. Revenues

6.1 Data Sources and Assumptions

Information on revenues was obtained from the Municipality's 2011 budget, which also included actual details for the 2009-2010 periods. The budget details are provided in Appendix A.

Some revenues listed in the Municipality's budget were common to the Municipality's water and wastewater systems. It was assumed that 50% of these revenues would be applied to the water systems. Revenues that are common to all three of the water systems owned by the Municipality were apportioned to each one of them as per the dollar amounts provided by the Municipality in the 2011 operating budget.

6.2 Operating Revenues

A list of the revenues for 2009, 2010 and the budgeted revenues for 2011 are provided in Appendix A. The total revenue amounts for the 2009-2011 periods are summarized in Table 6-1.

Table 6-1 2009 – 2011 Revenues

Item	Amount
Actual 2009	$284,903
Actual 2010	$1,758,048
Budget 2011	$345,259

The decrease in projected revenues from 2010 to 2011 is due to the absence of the Ontario Grant and 2010 capital funding, which does not extend beyond 2010.

6.3 Capital Revenues

In 2010, a capital cost recovery charge was introduced to pay for some capital works in Tara. Customers have four options of paying this charge; upfront in 2010 or over a period of 2, 5, or 10 years. It is unknown at this time the actual revenues from the capital cost recovery charges. However, the following has been assumed:

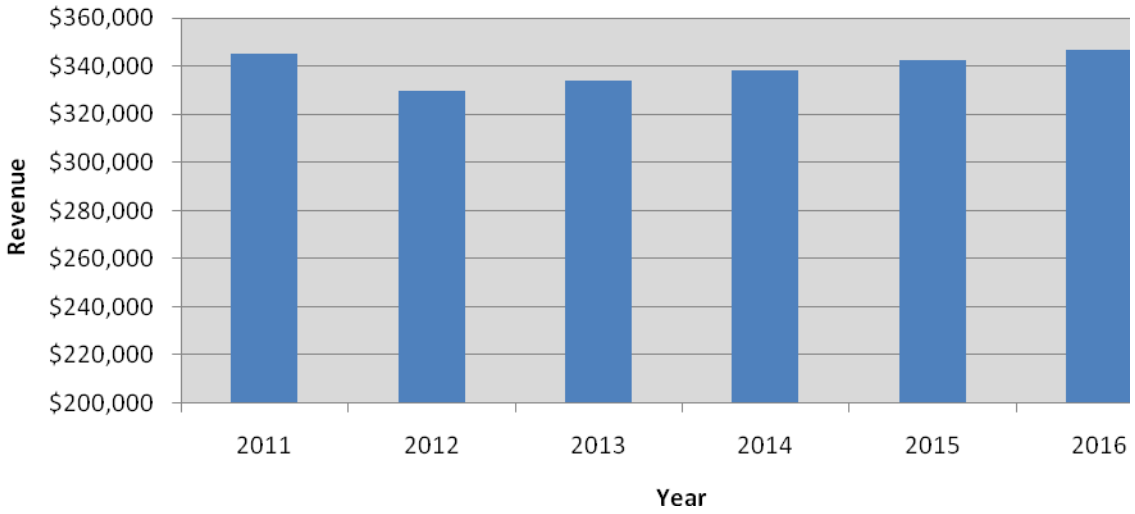
- 40% of the customers will pay upfront in 2010
- 10% of the customers will pay over 2 years at an interest rate of 2%
- 40% of the customers will pay over 5 years at an interest rate of 4%
- 10% of the customers will pay over 10 years at an interest rate of 6%

6.4 Projected Revenues Based on 3% Revenues Increase

Initially, a 3% increase in operating revenues per year has been considered for the projection horizon. The projected operating revenues based on the 3% growth will be assessed in Section 7 to determine if the revenues generated will be sufficient to cover planned capital projects, future operating expenses, inflation, and amortization expenses.

The projected revenues for the Tara Drinking Water System are shown in Figure 6.1, and a breakdown of the projected revenues is provided in Appendix A.

Figure 6.1 Projected Revenues



The projected revenues are assumed to increase by 3% each year. There is a decrease in 2012, which is due to the reduction in revenues from the capital cost recovery charges.

7. Evaluation of Proposed 3% Revenues Increase

7.1 Introduction

The proposed 3% increase in revenues needs to be evaluated to determine if they are sufficient to cover the operating expenses and capital expenditures. In this section, the following will be determined to evaluate whether existing revenues are sufficient:

- Operating Cash Flow: This is an important identity that determines whether the revenues from the existing rates are sufficient to cover operating costs, from a cash perspective. This is explained further in Section 7.2.
- Capital Expenditure Balance: This identity determines the amount of cash available for the planned capital expenditures. This is further described in Section 7.3.
- Annual Surplus/Deficit: This identity measures whether the revenues generated were sufficient to cover the expenses incurred and in turn, whether net financial assets have been maintained or depleted. Section 7.3 provides further details on this identity.

7.2 Operating Cash Flow

The operating cash flow shows that current period operations can generate either a surplus or deficit from a cash perspective, depending on the balance between revenues and cash expenses. The operating cash flow equation is as follows:

Operating Cash Flow = Revenues – Operating expenses – Debt Service

The revenues in the equation above are the projected revenues based on existing rates, as described in Section 6.4 and shown in Figure 6.1. The operating expenses are the expenses described in Section 4.2 and shown in Figure 4.1. It is important to note that the amortization expenses are not included in the equation above, since the operating cash flow offers a cash perspective and the amortization expenses are non-cash expenses.

As an example, the operating cash flow for 2012 can be calculated as follows:

Revenues = $329,596 (3% increase in operating revenues plus revenues from capital cost recovery charges, as shown in Figure 6.1)

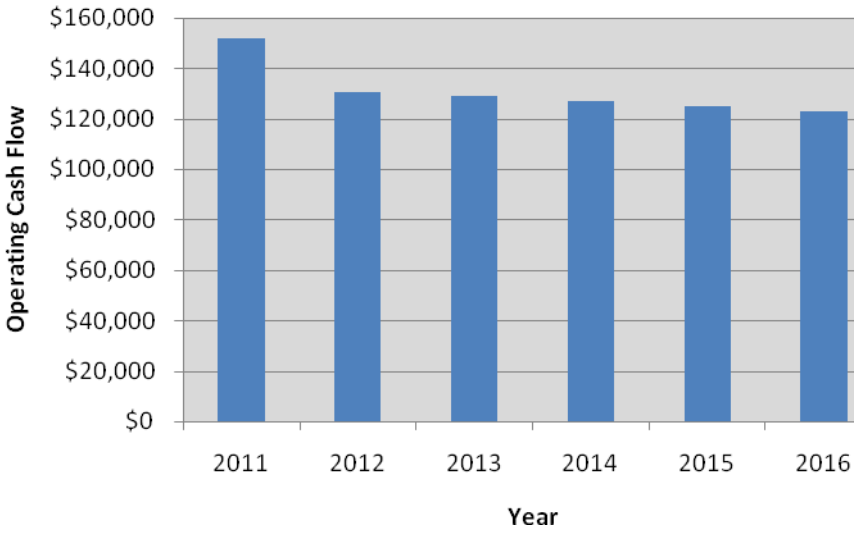
Operating Expenses = $198,968 (also shown in Figure 4.1)

Interest Expenses = $0

Operating Cash Flow = $319,596 - $198,968 - $0 = $130,628

The operating cash flow, based on the existing revenues, for the projection horizon is shown in Figures 7.1.

Figure 7.1 Operating Cash Flow



It can be seen from Figure 7.1 that the operating cash flow remains positive for the projection horizon.

7.3 Capital Expenditure Balance

Another important calculation is the amount of cash available for capital expenditures. This amount is called the cash expenditure balance. The cash expenditure balance is the sum of operating cash flow, new debt minus debt payments, and net contributions from reserve funds.

Figure 7.2 shows a comparison of the amount of cash available for capital expenditure (capital expenditure balance) and the amount of cash required for the planned capital expenditure. As mentioned previously, the amount of cash available (capital expenditure balance) is the sum of the operating cash flow, new debt, and the reserve balance. The planned capital expenditure is based on the future capital needs, previously discussed in Section 5.2 and presented in Table 5-1 and Figure 5.1.

In 2012, the capital expenditure balance can be calculated as follows:

Operating Cash Flow = $130,628 (also shown in Figure 7.1)

New Debt = $0

Reserve Fund Balance = $520,238

Capital Expenditure Balance = $130,628 + $0 + $520,238= $650,867

The planned capital expenditure is provided in Table 5-1.

Figure 7.2 Capital Expenditure Balance

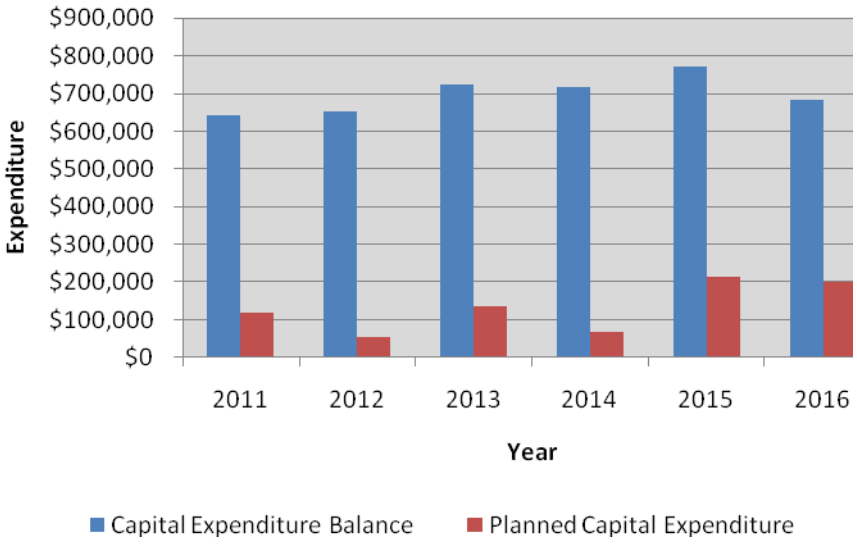


Figure 7.2 shows that Tara will have sufficient cash available for the planned capital expenditures. Furthermore, the proposed revenues will provide a positive reserve fund balance of over $481,000 at the end of the projection period in the year 2016.

7.4 Annual Surplus/Deficit

The annual surplus/deficit measures whether the revenues generated were sufficient to cover the expenses incurred and in turn, whether net financial assets have been maintained or depleted. An annual surplus is required to ensure that there is sufficient funding available for non-expense costs such as tangible capital asset acquisitions, reserve funds, and debt principal payments.

The annual surplus is equal to the revenues minus total expenses. It is important to note that the annual surplus is different from the operating cash flow, which did not take into account the amortization expenses. The annual surplus takes into account total expenses, which include amortization expenses. The annual surplus for 2012 is calculated as follows:

Revenues = $329,596 (3% increase in operating revenues plus revenues from capital cost recovery charges, as shown in Figure 6.1)

Total Expenses = $303,555 (also shown in Figure 4.3)

Annual Surplus = $329,596 - $303,555 = $26,042

Because the annual surplus takes into account the amortization expenses, it is much lower than the operating cash flow. For example, the 2012 annual surplus of $26,042 is much lower than the operating cash flow of $130,628, from Section 7.2.

Figure 7.3 shows the annual surplus/deficit for the projection horizon.

Figure 7.3 Annual Surplus/Deficit

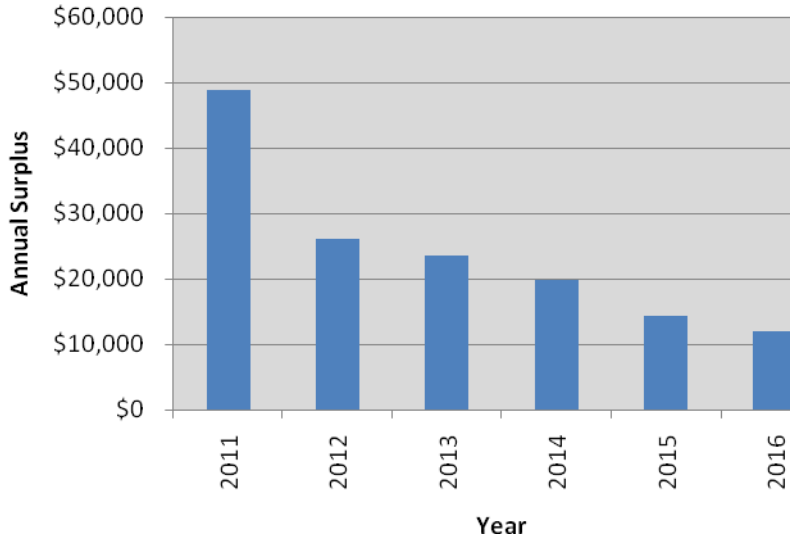


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Figure 7.3 shows that as a result of the proposed revenue rate, there is an annual surplus throughout the projection horizon even though the surplus amounts are relatively small. Furthermore, it can be noted that the annual surplus is consistently decreasing each year, which is due to the increase in amortization and operating expenses.

7.5 Discussion

The information presented in Section 7 highlights the following:

- Operating Cash Flow: As observed in Figure 7.1, the operating cash flow remains positive for the projection horizon.
- Capital Expenditure Balance: As shown in Figure 7.2, Tara will have sufficient cash available for the planned capital expenditure. Furthermore, the proposed revenues will maintain the reserve fund balance at the end of 2016 to over $481,000.
- Annual Surplus/Deficit: As shown in Figure 7.3, there is an annual surplus for the entire projection horizon. The revenues fully cover the operating expenses plus amortization expenses.

Therefore, the proposed operating revenue rate of 3% for the projection horizon is sufficient to provide for total expenses and planned capital expenditures.

8. Financial Plan

8.1 Introduction

The Financial Plan, as required by Regulation, consists of the following statements:

- Statement of Operations
- Statement of Cash Flow
- Statement of Financial Position

These statements are based on the proposed operating revenue rates described in Section 7. It considers the following:

- An increase in operating revenues at a rate of 3% per year beginning 2011 for the entire projection period.

The following subsections present the statements mentioned above.

8.2 Statement of Operations

The Statement of Operations summarizes the revenues and expenses generated by the water system for a given period. The annual surplus/deficit measures whether the revenues generated were sufficient to cover the expenses incurred and in turn, whether net financial assets have been maintained or depleted. Annual surplus is required to ensure funding is available to non-expense costs such as tangible capital asset acquisitions, reserve fund transfers, and debt principal payments.

The Statement of Operations for the entire projection horizon until 2016 is provided in Table 8-1.

Table 8-1 Statement of Operations

Line	Item	2011	2012	2013	2014	2015	2016
1	Revenue	$345,259	$329,596	$333,781	$338,037	$342,365	$346,761
2	Expenses						
a	Operating	$193,173	$198,968	$204,937	$211,085	$217,418	$223,940
b	Amortization	$103,185	$104,587	$105,323	$107,140	$110,583	$110,846
c	Interest	$0	$0	$0	$0	$0	$0
d	Total Expenses	$296,358	$303,555	$310,260	$318,225	$328,001	$334,786
3	Annual surplus (deficit)	$48,901	$26,042	$23,521	$19,813	$14,364	$11,975
4	Accumulated surplus, beginning of period	$4,781,517	$4,830,418	$4,856,459	$4,879,981	$4,899,793	$4,914,157
5	Accumulated surplus, end of period	$4,830,418	$4,856,459	$4,879,981	$4,899,793	$4,914,157	$4,926,132

Line 1: Revenues includes operating revenues and capital revenues i.e. capital cost recovery charges and government funding for capital projects.

Line 2: Includes a) operating, b) amortization, and c) interest expenses; the sum of which is shown on Line 2d.

Line 3: Annual Surplus (Deficit) = Revenues (Line 1) – Total Expenses (Line 2d)

Line 4: Accumulated surplus, beginning of period = Accumulated surplus, end of the previous period; For the first year i.e. 2011 it was calculated as the sum of the 2010 Fixed Assets i.e. $4,293,364 and the 2010 Reserve Balance i.e. $488,152.

Line 5: Accumulated surplus, end of period = Accumulated surplus, beginning of period (Line 4) + Annual Surplus/Deficit (Line 3)

Line 3 in Table 8-1 shows that there is an annual surplus for the entire projection horizon until 2016. The accumulated surplus at the end of the projection period is $11,975.

8.3 Statement of Cash Flow

The Statement of Cash Flow summarizes how the water system is expected to generate and use cash resources during the planning period. The transactions that provide/use cash are classified as operating, capital, investing, and financing activities.

The Statement of Cash Flow for the entire projection horizon is provided in Table 8-2.

Table 8-2 Statement of Cash Flow

Line	Item	2011	2012	2013	2014	2015	2016
	Operating Transactions *Cash received from:*						
1	Revenues	$345,259	$329,596	$333,781	$338,037	$342,365	$346,761
	Cash paid for:						
2	Operating Costs	($193,173)	($198,968)	($204,937)	($211,085)	($217,418)	($223,940)
3	Finance Charges	$0	$0	$0	$0	$0	$0
4	Total Costs	($193,173)	($198,968)	($204,937)	($211,085)	($217,418)	($223,940)
	Cash provided from:						
5	Operating Transactions	$152,086	$130,628	$128,844	$126,952	$124,947	$122,821
	Capital Transactions						
6	Acquisition of tangible capital assets	($120,000)	($55,185)	($136,287)	($68,845)	($212,841)	($200,229)
7	Cash applied to capital transactions	($120,000)	($55,185)	($136,287)	($68,845)	($212,841)	($200,229)
	Finance Transactions						
8	Proceeds from debt issues	$0	$0	$0	$0	$0	$0
9	Debt repayment	$0	$0	$0	$0	$0	$0
10	Cash applied to financing transactions	$0	$0	$0	$0	$0	$0
11	Increase/ (decrease) in cash and cash equivalents	$32,086	$75,443	($7,443)	$58,108	($87,894)	($77,408)
12	Cash and cash equivalents, beginning of period	$488,152	$520,238	$595,681	$588,238	$646,346	$558,451
13	Cash and cash equivalents, end of period	$520,238	$595,681	$588,238	$646,346	$558,451	$481,043
14	Cash as percentage of net fixed assets	12.1%	14.1%	13.9%	15.5%	13.2%	11.2%

Line 1: Revenues increase at a rate of 3% per year

Line 2: Operating expenses increase at a rate of 3% per year

Line 3: There are no finance charges

Line 4: Total costs = Line 2 + Line 3

Line 5: Operating transactions is the operating cash flow i.e. Line 1 + Line 4

Line 6: The value of the assets acquired

Line 7: Cash used for the capital expenditure

Line 8: There are no debts

Line 9: No debt repayments

Line 10: Cash applied to financing transactions = Line 8 + Line 9

Line 11: Increase (decrease) in cash = Line 5 + Line 7 + Line 10

Line 12: Cash beginning of period is the reserve fund balance

Line 13: Cash end of period = Line 11 + Line 12

Line 14: Cash as % net fixed assets = Line 13 / fixed assets for that year

Line 13 in Table 8-2 shows that there is a reserve fund balance of $481,043 at the end of the projection horizon in the year 2016, which is about 11.2% of the net fixed assets.

8.4 Statement of Financial Position

The Statement of Financial Position provides information that describes the assets, liabilities, net financial assets, and tangible capital assets of the Municipality's water system.

The Statement of Financial Position for the entire projection horizon until 2016 is provided in Table 8-3.

Table 8-3 Statement of Financial Position

Line	Item	2011	2012	2013	2014	2015	2016
	Financial Assets						
1	Cash	$520,238	$595,681	$588,238	$646,346	$558,451	$481,043
	Liabilities						
2	Debt	$0	$0	$0	$0	$0	$0
3	Net Financial Assets (Debt)	$520,238	$595,681	$588,238	$646,346	$558,451	$481,043
	Non-Financial Assets						
4	Tangible Capital Assets	$4,286,179	$4,225,741	$4,229,448	$4,177,384	$4,237,074	$4,286,411

Line 1: Cash is the reserve fund balance at the end of the year, similar to Line 13 of the Statement of Cash Flow

Line 2: The remaining debt is the total loan minus any loan repayments

Line 3: Net financial assets (debt) = Line 1 - Line 2

Line 4: Tangible capital assets are non-financial assets calculated as follows: Previous period fixed assets – amortization costs + capital expenditure. For example for 2011: Tangible capital assets = 2010 fixed assets (minus amortization expenses) ($4,293,364) – 2011 amortization costs ($103,185) + 2011 acquisition of assets ($96,000) = $4,286,179.

The net financial assets (debt) as indicated on Line 3 in Table 8-3 show that there is no net debt incurred throughout the projection horizon. This means that the system has the resources to finance future operations.

9. Conclusions

The financial impacts of the Tara Drinking Water System have been considered in this Financial Plan. The main conclusions of the Financial Plan are as follows:

1) Evaluation of Proposed 3% Increase in Operating Revenues

i. The revenues generated are sufficient for meeting operating expenses for the projection horizon.

ii. With the use of the reserve funds, there is sufficient cash available for the planned capital expenditures for the projection horizon.

iii. There is an annual surplus for the projection horizon, which is sufficient to fully cover the operating expenses plus amortization expenses.

iv. Therefore, the proposed operating revenue rate of 3% for the projection horizon is sufficient to provide for total expenses and planned capital expenditures.

2) Statement of Operations

i. There is an annual surplus throughout the projection horizon.

ii. The accumulated surplus at the end of the projection period in the year 2016 is $11,975.

3) Statement of Cash Flow

i. There is a positive reserve fund balance throughout the projection horizon.

ii. There is a reserve fund balance of $481,043 at the end of the projection period in the year 2016, which is about 11.2% of net fixed assets.

4) Statement of Financial Position

i. The net financial assets value is positive throughout the projection horizon.

10. Council Resolution

A council resolution was passed during a council meeting held on July 12th, 2011. A copy of the council resolution is included in Appendix C.

11. Next Steps

The following next steps are required in accordance with the requirements of the Financial Plan Regulation:

1. Notice of the availability of the Financial Plan be advertised
2. The Financial Plan be made available, on request and without charge, to the members of the public that are served by the water system
3. The Financial Plan be made available on the Municipality of Arran-Elderslie's website without charge
4. A copy of the Financial Plan, along with the council resolution be submitted to the Ministry of Municipal Affairs and Housing
5. The Financial Plan be updated and approved prior to applying for a licence renewal (i.e. every five years); A copy of the Council resolution will have to be submitted to the Ministry of the Environment with the licence renewal application.

Appendix A

Expenses, Revenues, and Budget Details

Proposed Revenues

Item No.	Description	2009	2010	2011	2012	2013	2014	2015	2016
2	Sewer&water misc rev	$0	$0	$0	$0	$0	$0	$0	$0
3	Water-AE-common RevFd Receipts-cond grants-Ont-src Protec	$0	$0	$0	$0	$0	$0	$0	$0
	RevFd Receipts-contr from Reserve-T Water	$0	$11,333	$11,333	$0	$0	$0	$0	$0
27	RevFd Receipts-cond grants-Ont-DWQMS; Water treat-Tara	$12,500	$12,500	$12,500	$12,875	$13,261	$13,659	$14,069	$14,491
28	RevFd Rcpts-user fees-water-Tara-connecti	$6,656	$5,680	$500	$515	$530	$546	$563	$580
29	RevFd Rcpts-user fees-water-Tara-misc cha	$5,450	($363)	$6,133	$6,317	$6,507	$6,702	$6,903	$7,110
30	RevFd Rcpts-user fees-water-Tara-service	$0	$63	$129	$133	$137	$141	$145	$150
31	RevFd Rcpts-user fees-water-Tara-com usa	$20,562	$18,135	$16,600	$17,098	$17,611	$18,139	$18,683	$19,244
32	RevFd Rcpts-user fees-water-Tara-cap-o	$0	$534,446	$15,884	$10,000	$10,000	$10,000	$10,000	$10,000
	Taxation -Water Chgs on Tax - Tara Residential	$222,582	$231,188	$234,355	$241,386	$248,628	$256,086	$263,769	$271,682
	Taxation -Water Chgs on Tax - Tara Commercial	$17,153	$17,668	$18,000	$18,540	$19,096	$19,669	$20,259	$20,867
	Grant for 2010 Capital Project		$927,399	$0	$0	$0	$0	$0	$0
	Capital Cost Recovery Charges		$0	$29,824	$22,732	$18,011	$13,094	$7,973	$2,637
	Total	$284,903	$1,758,048	$345,259	$329,596	$333,781	$338,037	$342,365	$346,761

Amortization Expenses

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
557	HY-T-030	$81	$81	$81	$81	$81	$81	$81	$81
558	HY-T-029	$21	$21	$21	$21	$21	$21	$21	$21
559	HY-T-031	$21	$21	$21	$21	$21	$21	$21	$21
560	HY-T-027	$74	$74	$74	$74	$74	$74	$74	$74
561	HY-T-035	$21	$21	$21	$21	$21	$21	$21	$21
562	HY-T-028	$21	$21	$21	$21	$21	$21	$21	$21
563	HY-T-037	$21	$21	$21	$21	$21	$21	$21	$21
564	HY-T-036	$21	$21	$21	$21	$21	$21	$21	$21
565	HY-T-003	$36	$36	$36	$36	$36	$36	$36	$36
566	HY-T-004	$78	$78	$78	$78	$78	$78	$78	$78
567	HY-T-034	$74	$74	$74	$74	$74	$74	$74	$74
568	HY-T-002	$21	$21	$21	$21	$21	$21	$21	$21
569	HY-T-021	$51	$51	$51	$51	$51	$51	$51	$51
570	HY-T-013	$60	$60	$60	$60	$60	$60	$60	$60
571	HY-T-001	$78	$78	$78	$78	$78	$78	$78	$78
572	HY-T-012	$21	$21	$21	$21	$21	$21	$21	$21
573	HY-T-010	$21	$21	$21	$21	$21	$21	$21	$21
574	HY-T-022	$51	$51	$51	$51	$51	$51	$51	$51
575	HY-T-014	$60	$60	$60	$60	$60	$60	$60	$60
576	HY-T-015	$51	$51	$51	$51	$51	$51	$51	$51
577	HY-T-016	$65	$65	$65	$65	$65	$65	$65	$65
578	HY-T-017	$65	$65	$65	$65	$65	$65	$65	$65
579	HY-T-033	$21	$21	$21	$21	$21	$21	$21	$21
580	HY-T-032	$21	$21	$21	$21	$21	$21	$21	$21
581	HY-T-024	$21	$21	$21	$21	$21	$21	$21	$21
582	HY-T-038	$21	$21	$21	$21	$21	$21	$21	$21
583	HY-T-011	$21	$21	$21	$21	$21	$21	$21	$21
584	HY-T-018	$65	$65	$65	$65	$65	$65	$65	$65
585	HY-T-020	$65	$65	$65	$65	$65	$65	$65	$65
586	HY-T-019	$65	$65	$65	$65	$65	$65	$65	$65
587	HY-T-041	$72	$72	$72	$72	$72	$72	$72	$72
588	HY-T-040	$72	$72	$72	$72	$72	$72	$72	$72

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
589	HY-T-039	$72	$72	$72	$72	$72	$72	$72	$72
590	HY-T-009	$74	$74	$74	$74	$74	$74	$74	$74
591	HY-T-008	$74	$74	$74	$74	$74	$74	$74	$74
592	HY-T-007	$74	$74	$74	$74	$74	$74	$74	$74
593	HY-T-006	$74	$74	$74	$74	$74	$74	$74	$74
594	HY-T-005	$74	$74	$74	$74	$74	$74	$74	$74
595	HY-T-023	$74	$74	$74	$74	$74	$74	$74	$74
596	HY-T-025	$74	$74	$74	$74	$74	$74	$74	$74
597	HY-T-026	$74	$74	$74	$74	$74	$74	$74	$74
598	HY-T-042	$78	$78	$78	$78	$78	$78	$78	$78
599	- From Fairgrounds To Mary Ann St.	$126	$126	$126	$126	$126	$126	$126	$126
600	- From Water Tank To Young St. N	$283	$283	$283	$283	$283	$283	$283	$283
601	Ann St. From Young St. S To Main St.	$0	$0	$0	$0	$0	$0	$0	$0
602	Ann St. From Main St. To River St.	$186	$186	$186	$186	$186	$186	$186	$186
603	Brook St E (Bruce Rd 5) From Road To Crossing	$69	$69	$69	$69	$69	$69	$69	$69
604	Brook St. E (Bruce Rd. 5) From Park Rd. To Tara Boundary East	$92	$92	$92	$92	$92	$92	$92	$92
605	Brook St. E (Bruce Rd. 5) From Maria St. To Park Rd.	$0	$0	$0	$0	$0	$0	$0	$0
606	Brook St. E (Bruce Rd. 5) From Young St. N To Maria St.	$0	$0	$0	$0	$0	$0	$0	$0
607	Brook St. W From Francis St. To Elgin Ave	$237	$237	$237	$237	$237	$237	$237	$237
608	Brook St. W From Elgin Ave To Young St. N	$395	$395	$395	$395	$395	$395	$395	$395
609	Brook St. W From Francis St. To 580 m W	$2,093	$2,093	$2,093	$2,093	$2,093	$2,093	$2,093	$2,093
610	Bruce St. From Maria St. To 75m W	$39	$39	$39	$39	$39	$39	$39	$39
611	Bruce St. From River St. To Main St.	$0	$0	$0	$0	$380	$380	$380	$380
612	Elgin Ave From Brook St. W To Matilda St	$128	$128	$128	$128	$128	$128	$128	$128

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
613	Francis St From South end Francis St. To Matilda St.	$304	$304	$304	$304	$304	$304	$304	$304
614	Francis St From 100 CI To Brooke St 200 PVC	$0	$0	$0	$0	$0	$0	$0	$0
615	Francis St. From North Hydrant To South Hydrant	$0	$0	$0	$0	$0	$0	$0	$0
616	Francis St. From Brook St. W To Hydrant	$0	$0	$0	$0	$0	$0	$0	$0
617	Hamilton St. From Ball Park To Mary Ann St.	$170	$170	$170	$170	$170	$170	$170	$170
618	Hamilton St. From John St. To 95m S	$50	$50	$50	$50	$50	$50	$0	$263
619	Hamilton St. From Mary Ann St. To 145m S	$76	$76	$76	$76	$76	$76	$76	$76
620	Heather Lynn Blvd From To John St	$316	$316	$316	$316	$316	$316	$316	$316
621	Heather Lynn Blvd From John St To S and W along Heather Lynn Blv	$715	$715	$715	$715	$715	$715	$715	$715
622	Heather Lynn Blvd. From 150 Watermain To East to sample Station No. 1	$19	$19	$19	$19	$19	$19	$19	$19
623	Heather Lynn Blvd. From Mill St. To John St.	$239	$239	$239	$239	$239	$239	$239	$239
624	Heather Lynn Blvd. From John St. To S and W along Heather Lynn Blv	$715	$715	$715	$715	$715	$715	$715	$715
625	Heather Lynn Blvd. From S along Heather Lynn Blvd To South to end	$1,570	$1,570	$1,570	$1,570	$1,570	$1,570	$1,570	$1,570
626	John St From Lynn Blvd. To Hamilton St.	$885	$885	$885	$885	$885	$885	$885	$885
627	John St From S along Heather Lynn Blvd To Dead End	$327	$327	$327	$327	$327	$327	$327	$327
628	John St. From Hamilton St. To Young St. S	$492	$492	$492	$492	$492	$492	$492	$492
629	Main St. From Young St. S To Ann St.	$0	$0	$0	$0	$0	$0	$0	$0
630	Main St. From Ann St. To Market St.	$0	$0	$0	$0	$0	$0	$0	$0

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
631	Main St. From Market St. To Bruce St.	$0	$0	$0	$0	$0	$0	$918	$918
632	Maria St. From North St. To Brook St. E	$65	$65	$0	$1,100	$1,100	$1,100	$1,100	$1,100
633	Maria St. From Brook St. E To Bruce St.	$0	$0	$0	$0	$0	$0	$0	$0
634	Maria St. From Bruce St. To River St.	$0	$0	$0	$0	$0	$0	$0	$0
635	Market St From River St. To 95m W	$86	$86	$86	$86	$86	$86	$86	$86
636	Market St. From Main St. To River St.	$0	$0	$0	$0	$0	$0	$0	$0
637	Mary Ann St. From Hamilton St. To Young St. S	$0	$0	$0	$0	$0	$0	$0	$0
638	Matilda St From Waterworks Pumphouse To Elgin Ave	$0	$0	$0	$0	$0	$0	$0	$0
639	Matilda St From Elgin Ave To Young St. N	$0	$0	$0	$0	$0	$0	$0	$0
640	Mill St. From Dead End To Lynn Blvd.	$78	$78	$0	$375	$375	$375	$375	$375
641	Mill St. From Lynn Blvd. To Hamilton St.	$0	$0	$0	$0	$0	$813	$813	$813
642	Mill St. From Lynn Blvd. To Hamilton St.	$0	$0	$0	$0	$0	$446	$446	$446
643	Mill St. From Hamilton St. To Young St. S	$0	$0	$0	$0	$0	$558	$558	$558
644	Mill St. From 150 Cl To Young St. S	$0	$0	$0	$0	$0	$0	$0	$0
645	North St. From Maria St. To Dead End	$72	$72	$72	$72	$72	$72	$72	$72
646	Park Rd. From Tara Boundary North To Brook St. E (Bruce Rd. 5)	$391	$391	$391	$391	$391	$391	$391	$391
647	Park Rd. From Brook St. E (Bruce Rd. 5) To 575m S	$666	$666	$666	$666	$666	$666	$666	$666
648	River St. From Pump House #2 To Dead End N	$68	$68	$68	$68	$68	$68	$68	$68
649	River St. From Market St. To River St.	$129	$129	$129	$129	$129	$129	$129	$129
650	River St. From Market St. To River St.	$73	$73	$73	$0	$356	$356	$356	$356
651	River St. From Ann St. To Market St. 2 pipes	$927	$927	$927	$927	$927	$927	$927	$927

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
652	River St. From Young St. S To Market St.	$0	$0	$0	$0	$0	$0	$0	$0
653	River St. From Pump House #3 To Ann St. 2 pipes	$186	$186	$186	$186	$186	$186	$186	$186
654	Union St. (Bruce Rd. 17) From Young St. S To Miller Drive	$0	$0	$0	$0	$0	$0	$0	$0
655	Whites Ave. From Dead End To Young St. N	$0	$0	$0	$0	$0	$0	$0	$0
656	Young St North From 150 CI To West to End	$80	$80	$80	$80	$80	$80	$80	$80
657	Young St. N From North St. To Brook St. W	$1,062	$1,062	$1,062	$1,062	$1,062	$1,062	$1,062	$1,062
658	Young St. N From Brook St. W To Bruce St.	$814	$814	$814	$814	$814	$814	$814	$814
659	Young St. N From Bruce St. To Matilda St	$921	$921	$921	$921	$921	$921	$921	$921
660	Young St. N From Matilda St To Whites Ave.	$673	$673	$673	$673	$673	$673	$673	$673
661	Young St. N From North St. To 80m N	$567	$567	$567	$567	$567	$567	$567	$567
662	Young St. S From Young St. S To West to sample station	$37	$37	$37	$37	$37	$37	$37	$37
663	Young St. S From Young St. S To Whites Ave.	$588	$588	$588	$588	$588	$588	$588	$588
664	Young St. S From River St. To Mill St.	$531	$531	$531	$531	$531	$531	$531	$531
665	Young St. S From Mill St. To John St.	$637	$637	$637	$637	$637	$637	$637	$637
666	Young St. S From Main St. To Mary Ann St.	$1,487	$1,487	$1,487	$1,487	$1,487	$1,487	$1,487	$1,487
667	Young St. S From John St. To Main St.	$779	$779	$779	$779	$779	$779	$779	$779
668	Young St. S From Mary Ann St. To Union St. (Bruce Rd. 17)	$1,098	$1,098	$1,098	$1,098	$1,098	$1,098	$1,098	$1,098
669	Young St. S From Union St. (Bruce Rd. 17) To Bridge	$744	$744	$744	$744	$744	$744	$744	$744
670	Services (5)	$120	$120	$120	$120	$120	$120	$120	$120

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
671	Services (14)	$345	$345	$345	$345	$345	$345	$345	$345
672	Services (8)	$203	$203	$203	$203	$203	$203	$203	$203
673	Services (8)	$210	$210	$210	$210	$210	$210	$210	$210
674	Services (7)	$189	$189	$189	$189	$189	$189	$189	$189
675	Services (3)	$84	$84	$84	$84	$84	$84	$84	$84
676	Services (3)	$86	$86	$86	$86	$86	$86	$86	$86
677	Services (2)	$59	$59	$59	$59	$59	$59	$59	$59
678	Services (360)	$4,539	$4,539	$4,539	$4,539	$4,539	$4,539	$4,539	$4,539
679	Pump house #2 Building, Area = 27m2 - Asphalt Shingle Roof - Brick Wall Facing - Concrete Entrance Slab (0.34m3) - Heating and ventilation system	$956	$956	$956	$956	$956	$956	$956	$956
680	Raw Water Well #2 118.6m deep	$2,656	$2,656	$2,656	$2,656	$2,656	$2,656	$2,656	$2,656
681	Cartridge Filter	$505	$505	$505	$505	$505	$505	$505	$505
682	Sodium Hypochlorite System	$757	$757	$757	$757	$757	$757	$757	$757
683	Internal Potable Water Piping and Fittings	$116	$116	$116	$116	$116	$116	$116	$116
684	Process Piping (including raw water supply pipe), Various Valves, Pressure Gauges and Sampling Taps	$936	$936	$936	$936	$936	$936	$936	$936
685	150mm dia. Watermain (370m)	$2,194	$2,194	$2,194	$2,194	$2,194	$2,194	$2,194	$2,194
686	Treated Water Turbidity Analyzer	$323	$323	$323	$323	$323	$323	$323	$323
687	Magnetic Flow Meter	$194	$194	$194	$194	$194	$194	$194	$194
688	Misc. Wiring/ Fixtures/ Panels/ Fire and Intrusion	$1,940	$1,940	$1,940	$1,940	$1,940	$1,940	$1,940	$1,940
689	Programmable Logic Control Unit	$643	$643	$643	$643	$643	$643	$643	$643
690	Variable Frequency Submersible Turbine Pump	$1,599	$1,599	$1,599	$1,599	$1,599	$1,599	$1,599	$1,599
691	Landscaping and Site Works	$293	$293	$293	$293	$293	$293	$293	$293
692	Miscellaneous metals	$37	$37	$37	$37	$37	$37	$37	$37
693	Various Drainage Fixtures	$39	$39	$39	$39	$39	$39	$39	$39

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
694	Pump house #3 Building, Area = 31m2 - Asphalt Shingle Roof - Brick Wall Facing - Pump house Baseboard Heating System	$505	$505	$505	$505	$505	$505	$505	$505
695	Raw Water Well #3 119m deep	$1,203	$1,203	$1,203	$1,203	$1,203	$1,203	$1,203	$1,203
696	Cartridge Filter	$1,010	$1,010	$1,010	$1,010	$1,010	$1,010	$1,010	$1,010
697	U.V. Disinfection Units (2)	$5,287	$5,287	$5,287	$5,287	$5,287	$5,287	$5,287	$5,287
698	Sodium Hypochlorite System	$757	$757	$757	$757	$757	$757	$757	$757
699	Internal Potable Water Piping and Fittings	$776	$776	$776	$776	$776	$776	$776	$776
700	Process Piping Valves and Fittings	$936	$936	$936	$936	$936	$936	$936	$936
701	150mm Water Main	$961	$961	$961	$961	$961	$961	$961	$961
702	Fire Hydrant complete with appertenances	$176	$176	$176	$176	$176	$176	$176	$176
703	Treated Water Turbidity Analyzer	$323	$323	$323	$323	$323	$323	$323	$323
704	Free Chlorine Residual Analyzer (2)	$647	$647	$647	$647	$647	$647	$647	$647
705	Magnetic Flow Meter	$194	$194	$194	$194	$194	$194	$194	$194
706	Misc. Wiring/ Fixtures/ Panels/ Fire and Intrusion	$1,940	$1,940	$1,940	$1,940	$1,940	$1,940	$1,940	$1,940
707	Well Level Transducer	$65	$65	$65	$65	$65	$65	$65	$65
708	Programmable Logic Control Unit Including: - SCADA System - Interior and Exterior Lighting - Electrical Service and Associated Items	$643	$643	$643	$643	$643	$643	$643	$643
709	60kW Natural Gas Generator Including: - Acoustic Exhaust Louvre (2) - Hospital Plus Grade Silencer - Louvre and Hooded Exhaust Vent	$1,329	$1,329	$1,329	$1,329	$1,329	$1,329	$1,329	$1,329

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
710	High Lift Submersible Turbine Pump (Variable Drive)	$1,599	$1,599	$1,599	$1,599	$1,599	$1,599	$1,599	$1,599
711	Raw Water Supply Pipe	$111	$111	$111	$111	$111	$111	$111	$111
712	Landscaping and Site Works	$136	$136	$136	$136	$136	$136	$136	$136
713	Pump house #4 Building, Area = 31m2 - Asphalt Shingle Roof - Brick Wall Facing - Pump house Baseboard Heating System	$1,756	$1,756	$1,756	$1,756	$1,756	$1,756	$1,756	$1,756
714	Miscellaneous metals	$135	$135	$135	$135	$135	$135	$135	$135
715	Raw Water Well #4 119m deep	$3,191	$3,191	$3,191	$3,191	$3,191	$3,191	$3,191	$3,191
716	Cartridge Filter	$1,163	$1,163	$1,163	$1,163	$1,163	$1,163	$1,163	$1,163
717	Sodium Hypochlorite System	$1,545	$1,545	$1,545	$1,545	$1,545	$1,545	$1,545	$1,545
718	Process Piping Valves and Fittings,incl. flow meter	$2,334	$2,334	$2,334	$2,334	$2,334	$2,334	$2,334	$2,334
719	Treated Water Turbidity Analyzer	$670	$670	$670	$670	$670	$670	$670	$670
720	Free Chlorine Residual Analyzer (1)	$670	$670	$670	$670	$670	$670	$670	$670
721	Programmable Logic Control Unit Including: - SCADA System - Interior and Exterior Lighting - Electrical Service and Associated Items	$2,494	$2,494	$2,494	$2,494	$2,494	$2,494	$2,494	$2,494
722	Electrical MCC Panel	$3,528	$3,528	$3,528	$3,528	$3,528	$3,528	$3,528	$3,528
723	Hydro Supply	$923	$923	$923	$923	$923	$923	$923	$923
724	High Lift Submersible Turbine Pump	$1,080	$1,080	$1,080	$1,080	$1,080	$1,080	$1,080	$1,080
725	Chlorine contact chamber,incl valvechamber, yd piping	$1,627	$1,627	$1,627	$1,627	$1,627	$1,627	$1,627	$1,627
726	Landscaping and Site Works	$246	$246	$246	$246	$246	$246	$246	$246
727	Elevated Water Storage Tank, Cap. = 510 m3	$0	$0	$17,826	$17,826	$17,826	$17,826	$17,826	$17,826

Item No.	Asset Name	2009	2010	2011	2012	2013	2014	2015	2016
728	3000x1850mm Pre-cast Valve Chamber & tank misc	$0	$1,857	$1,857	$1,857	$1,857	$1,857	$1,857	$1,857
729	Miscellaneous Metals	$97	$97	$97	$97	$97	$97	$97	$97
730	Sump Pump	$47	$47	$47	$47	$47	$47	$47	$47
731	Pressure Gauges	$47	$47	$47	$47	$47	$47	$47	$47
732	Bruce/Derby From River st to past river	$0	$0	$0	$0	$0	$0	$2,575	$2,575
	TOTAL	$83,646	$85,502	$103,185	$104,587	$105,323	$107,140	$110,583	$110,846

Operating Expenses

Item No.	Description	2009	2010	2011
209	Wat treat-Tara-wages	$14,613	$16,549	$13,730
210	Wat treat-Tara-wages-on call	$500	$0	$459
211	Wat treat-Tara-wages-OT	$4,743	$4,304	$6,120
212	Wat treat-Tara-wages-vac	$39	$60	$15
213	Wat treat-Tara-wages-stat hol	$0	$0	$0
214	Wat treat-Tara-wages-sick pay	$0	$0	$0
215	Wat treat-Tara-wages-h&s	$0	$0	$0
216	Wat treat-Tara-wages-training	$0	$0	$0
217	Wat treat-Tara-wages-conference	$0	$0	$0
218	Wat treat-Tara-wages-drinking wat	$620	$0	$3,100
219	Wat treat-Tara-bene	$6,120	$6,685	$6,720
220	Wat treat-Tara-bene-clothing allow	$0	$0	$0
221	Wat treat-Tara-bene-boots	$0	$0	$0
222	Wat treat-Tara-material-conference	$0	$0	$0
223	Wat treat-Tara-material-courier	$41	$1,092	$50
224	Wat treat-Tara-material-veh-bulk fu	$0	$0	$0
225	Wat treat-Tara-material-veh-gas/fu	$0	$0	$0
226	Wat treat-Tara-material-heat	$500	$416	$500
227	Wat treat-Tara-material-hydro	$13,742	$11,702	$15,000
228	Wat treat-Tara-material-insurance	$3,409	$3,336	$3,409
229	Wat treat-Tara-material-mem fees	$0	$0	$0
230	Wat treat-Tara-material-misc	$17,118	$18,843	$21,333
231	Wat treat-Tara-material-telephone	$1,877	$2,054	$2,300
232	Wat treat-Tara-material-tools	$0	$0	$0
233	Wat treat-Tara-material-training ex	$0	$0	$0
234	Wat treat-Tara-material-veh-grease	$0	$0	$0
235	Wat treat-Tara-material-veh-licence	$0	$0	$0
236	Wat treat-Tara-material-veh-repair/	$0	$0	$0
237	Wat treat-Tara-contract-eng	$0	$4,082	$4,000
238	Wat treat-Tara-contract-eng-DWQMS	$13,229	$1,228	$104
239	Wat treat-Tara-contract-lab fees	$5,937	$8,872	$9,000
240	Wat treat-Tara-contract-legal	$257	$0	$0
241	Wat treat-Tara-contracts-misc	$1,938	$13,166	$10,500
242	Wat treat-Tara-Financial Plan	$0	$0	$0
243	Wat treat-Tara-rents-equip	$0	$0	$5,500
244	Wat treat-Tara-internal transfer	$54,328	$61,410	$42,560
209	Wat dist-Tara-wages	$11,858	$10,863	$10,200
210	Wat dist-Tara-wages-on call	$600	$151	$459
211	Wat dist-Tara-wages-OT	$3,683	$2,668	$4,080
212	Wat dist-Tara-wages-vac	$33	$32	$0
213	Wat dist-Tara-wages-stat hol	$0	$0	$0
214	Wat dist-Tara-wages-sick pay	$0	$0	$0
215	Wat dist-Tara-wages-h&s	$0	$0	$0
216	Wat dist-Tara-wages-training	$0	$0	$0

Item No.	Description	2009	2010	2011
217	Wat dist-Tara-wages-conference	$0	$0	$0
219	Wat dist-Tara-bene	$3,447	$3,217	$4,992
220	Wat dist-Tara-bene-clothing allowa	$0	$0	$0
221	Wat dist-Tara-bene-boots	$0	$0	$0
	Wat dist-Tara-material-advertising	$0	$0	$0
222	Wat dist-Tara-material-conferences	$0	$0	$0
223	Wat dist-Tara-material-courier	$64	$8	$50
225	Wat dist-Tara-material-veh-gas/fue	$0	$0	$0
227	Wat dist-Tara-material-hydro	$324	$836	$1,109
230	Wat dist-Tara-material-misc	$7,878	$4,208	$10,000
231	Wat dist-Tara-material-telephone	$0	$0	$0
232	Wat dist-Tara-material-tools	$0	$0	$0
233	Wat dist-Tara-material-training exp	$0	$0	$0
	Wat dist-Tara-material-valves	$0	$0	$3,500
234	Wat dist-Tara-material-veh-grease	$0	$0	$0
235	Wat dist-Tara-material-veh-licence	$0	$0	$0
236	Wat dist-Tara-material-veh-repair/r	$0	$0	$0
237	Wat dist-Tara-contract-eng	$714	$2,486	$2,382
239	Wat dist-Tara-contract-lab fees	$0	$689	$0
241	Wat dist-Tara-contracts-misc	$18,720	$8,172	$8,000
241	Wat dist-Tara-contract-swab/flush	$740	$890	$3,500
243	Wat dist-Tara-rents-equip	$0	$0	$500
246	Source Water Protection-contracts	$0	$0	$0
	Total	$187,069	$188,022	$193,173

Appendix B

List of Assets and Capital Expenditures

Tara Water System Financial Plan

List of Assets

Base Year of Analysis	**2009**
Assumed Inflation	**3%**
Extend Life of "Overdue" facilities by	**3 years (1 is minimum acceptable value)**

												First Cycle				
Item No.	**Asset Name**	**Description 1**	**Description 2**	**Year In-Service**	**Expected Useful Life**	**Historical Cost**	**Annual Amortization**	**Amortization Period**	**"Current" Replacement Cost**	**Year of "Current" Cost Estimate**	**Overdue?**	**1st Replacement Year**	**Replacement Year Past 2030?**	**Replacement Cost with inflation**	**Annual Amortization**	**Amortization Period**
557	HY-T-030	On Brook St W , west of Francis St	Tara Hydrant	2007	60	$4,850	$81	2007-2067	$5,000	2008	no	2067	yes	-	-	-
558	HY-T-029	On Brook St W , just west of Francis St	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
559	HY-T-031	On Francis St on north side of curves	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
560	HY-T-027	On the corner of Yonge St S and North Ave	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
561	HY-T-035	On the corner of Maria St and Brook St E	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
562	HY-T-028	On Brook St W between Elgin Ave and Yonge St S	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
563	HY-T-037	On Brook St E, east of Maria St	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
564	HY-T-036	On Maria St south of Bruce St	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
565	HY-T-003	On the north bend of River St	Tara Hydrant	1980	60	$2,131	$36	1980-2040	$5,000	2008	no	2040	yes	-	-	-
566	HY-T-004	On the corner of River St and Market St	Tara Hydrant	2006	60	$4,705	$78	2006-2066	$5,000	2008	no	2066	yes	-	-	-
567	HY-T-034	On the corner of Yonge St S and Matilda St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
568	HY-T-002	On Main St just southwest of Market St.	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
569	HY-T-021	On the corner of Hamilton St and Mill St	Tara Hydrant	1992	60	$3,071	$51	1992-2052	$5,000	2008	no	2052	yes	-	-	-
570	HY-T-013	On John St between Hamilton St and Yonge St S	Tara Hydrant	1997	60	$3,577	$60	1997-2057	$5,000	2008	no	2057	yes	-	-	-
571	HY-T-001	On the corner of River St and Ann St	Tara Hydrant	2006	60	$4,705	$78	2006-2066	$5,000	2008	no	2066	yes	-	-	-
572	HY-T-012	On the corner of Hamilton St and Mary Ann St	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
573	HY-T-010	On Union St between Miller Dr and Yonge St S	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
574	HY-T-022	On Mill St between Heather Lynn Blvd and Hamilton St	Tara Hydrant	1992	60	$3,071	$51	1992-2052	$5,000	2008	no	2052	yes	-	-	-
575	HY-T-014	Oh John St between Heather Lynn Blvd and Hamilton St	Tara Hydrant	1997	60	$3,577	$60	1997-2057	$5,000	2008	no	2057	yes	-	-	-
576	HY-T-015	On the corner of Heather Lynn Blvd and John St	Tara Hydrant	1992	60	$3,071	$51	1992-2052	$5,000	2008	no	2052	yes	-	-	-
577	HY-T-016	On the bend on Heather Lynn Blvd	Tara Hydrant	2000	60	$3,919	$65	2000-2060	$5,000	2008	no	2060	yes	-	-	-
578	HY-T-017	Just south of the cul-de-sac on Heather Lynn Blvd	Tara Hydrant	2000	60	$3,919	$65	2000-2060	$5,000	2008	no	2060	yes	-	-	-
579	HY-T-033	On the corner of Elgin Ave and Matilda St	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
580	HY-T-032	On Francis St on south side of curves	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
581	HY-T-024	On Whites Ave just west of Yonge St S	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
582	HY-T-038	On Brook St E, west of Park Road	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
583	HY-T-011	On Union St south of Miller Dr	Tara Hydrant	1962	60	$1,232	$21	1962-2022	$5,000	2008	no	2023	no	$7,790	$130	2023-2083
584	HY-T-018	At the south end of the S-curve on Heather Lynn Blvd	Tara Hydrant	2000	60	$3,919	$65	2000-2060	$5,000	2008	no	2060	yes	-	-	-
585	HY-T-020	At the end of Heather Lynn Blvd	Tara Hydrant	2000	60	$3,919	$65	2000-2060	$5,000	2008	no	2060	yes	-	-	-
586	HY-T-019	South of S-curve on Heather Lynn Blvd	Tara Hydrant	2000	60	$3,919	$65	2000-2060	$5,000	2008	no	2060	yes	-	-	-
587	HY-T-041	On Park Rd south of Brook St E	Tara Hydrant	2003	60	$4,294	$72	2003-2063	$5,000	2008	no	2063	yes	-	-	-
588	HY-T-040	On Park Rd south of Brook St E	Tara Hydrant	2003	60	$4,294	$72	2003-2063	$5,000	2008	no	2063	yes	-	-	-
589	HY-T-039	On the corner of Park Rd and Brook St E	Tara Hydrant	2003	60	$4,294	$72	2003-2063	$5,000	2008	no	2063	yes	-	-	-
590	HY-T-009	On Yonge St S between Union St and Mary ann St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
591	HY-T-008	On the corner of Yonge St S and Mary Ann St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
592	HY-T-007	On the corner of Yonge St S and Main St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
593	HY-T-006	On the corner of Main St and Ann St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-

Tara Water System Financial Plan

List of Assets

Item No.	Asset Name	Description 1	Description 2	Year In-Service	Expected Useful Life	Historical Cost	Annual Amortization	Amortization Period	"Current" Replacement Cost	Year of "Current" Cost Estimate	Overdue?	1st Replacement Year	Replacement Year Past 2030?	Replacement Cost with inflation	Annual Amortization	Amortization Period
594	HY-T-005	On yonge St S between John St and Mill St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
595	HY-T-023	Just north of bridge on Yonge St S	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
596	HY-T-025	On the corner of Yonge St S and Bruce St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
597	HY-T-026	On the corner of Yonge St S and Brook St	Tara Hydrant	2004	60	$4,426	$74	2004-2064	$5,000	2008	no	2064	yes	-	-	-
598	HY-T-042	On River St between Ann St and Market St	Tara Hydrant	2006	60	$4,705	$78	2006-2066	$5,000	2008	no	2066	yes	-	-	-
599	- From Fairgrounds To Mary Ann St.	Material: N/A, Length: 200, Size:20	Tara Watermain	1970	60	$7,543	$126	1970-2030	$24,000	2008	no	2031	yes	-	-	-
600	- From Water Tank To Young St. N	Material: CI, Length: 40, Size:300	Tara Watermain	2004	60	$16,998	$283	2004-2064	$19,200	2008	no	2064	yes	-	-	-
601	Ann St. From Young St. S To Main St.	Material: CI, Length: 55, Size:150	Tara Watermain	1947	60	$2,359	$39	1947-2007	$15,125	2008	yes	2018	no	$20,327	$339	2018-2078
602	Ann St. From Main St. To River St.	Material: CI, Length: 95, Size:150	Tara Watermain	1980	60	$11,134	$186	1980-2040	$26,125	2008	no	2040	yes	-	-	-
603	Brook St E (Bruce Rd 5) From Road To Crossing	Material: Poly, Length: 18, Size:150	Tara Watermain	2002	60	$4,123	$69	2002-2062	$4,950	2008	no	2062	yes	-	-	-
604	Brook St. E (Bruce Rd. 5) From Park Rd. To Tara Boundary East	Material: N/A, Length: 130, Size:30	Tara Watermain	1970	60	$5,516	$92	1970-2030	$17,550	2008	no	2031	yes	-	-	-
605	Brook St. E (Bruce Rd. 5) From Maria St. To Park Rd.	Material: CI, Length: 550, Size:100	Tara Watermain	1947	60	$19,303	$322	1947-2007	$123,750	2008	yes	2018	no	$166,310	$2,772	2018-2078
606	Brook St. E (Bruce Rd. 5) From Young St. N To Maria St.	Material: CI, Length: 100, Size:100	Tara Watermain	1947	60	$3,510	$58	1947-2007	$22,500	2008	yes	2017	no	$29,357	$489	2017-2077
607	Brook St. W From Francis St. To Elgin Ave	Material: PVC, Length: 75, Size:200	Tara Watermain	2007	60	$14,208	$237	2007-2067	$14,648	2008	no	2067	yes	-	-	-
608	Brook St. W From Elgin Ave To Young St. N	Material: PVC, Length: 125, Size:200	Tara Watermain	2007	60	$23,680	$395	2007-2067	$24,413	2008	no	2067	yes	-	-	-
609	Brook St. W From Francis St. To 580 m W	Material: CI, Length: 663, Size:200	Tara Watermain	2007	60	$125,599	$2,093	2007-2067	$129,484	2008	no	2067	yes	-	-	-
610	Bruce St. From Maria St. To 75m W	Material: Poly, Length: 75, Size:30	Tara Watermain	1960	60	$2,347	$39	1960-2020	$10,125	2008	no	2021	no	$14,869	$248	2021-2081
611	Bruce St. From River St. To Main St.	Material: CI, Length: 90, Size:100	Tara Watermain	1947	60	$3,159	$53	1947-2007	$20,250	2008	yes	2012	no	$22,792	$380	2012-2072
612	Elgin Ave From Brook St. W To Matilda St	Material: PVC, Length: 245, Size:30	Tara Watermain	1960	60	$7,666	$128	1960-2020	$33,075	2008	no	2021	no	$48,572	$810	2021-2081
613	Francis St From South end Francis St. To Matilda St.	Material: PVC, Length: 82, Size:150	Tara Watermain	2001	60	$18,220	$304	2001-2061	$22,550	2008	no	2061	yes	-	-	-
614	Francis St From 100 CI To Brooke St 200 PVC	Material: PVC, Length: 18, Size:150	Tara Watermain	1947	60	$772	$13	1947-2007	$4,950	2008	yes	2016	no	$6,271	$105	2016-2076
615	Francis St. From North Hydrant To South Hydrant	Material: CI, Length: 140, Size:100	Tara Watermain	1947	60	$4,913	$82	1947-2007	$31,500	2008	yes	2016	no	$39,903	$665	2016-2076
616	Francis St. From Brook St. W To Hydrant	Material: CI, Length: 85, Size:100	Tara Watermain	1947	60	$2,983	$50	1947-2007	$19,125	2008	yes	2016	no	$24,227	$404	2016-2076
617	Hamilton St. From Ball Park To Mary Ann St.	Material: Poly, Length: 240, Size:30	Tara Watermain	1970	60	$10,183	$170	1970-2030	$32,400	2008	no	2031	yes	-	-	-
618	Hamilton St. From John St. To 95m S	Material: Poly, Length: 95, Size:30	Tara Watermain	1960	60	$2,972	$50	1960-2020	$12,825	2008	no	2015	no	$15,773	$263	2015-2075
619	Hamilton St. From Mary Ann St. To 145m S	Material: Poly, Length: 145, Size:30	Tara Watermain	1960	60	$4,537	$76	1960-2020	$19,575	2008	no	2021	no	$28,747	$479	2021-2081
620	Heather Lynn Blvd From To John St	Material: PVC, Length: 88, Size:150	Tara Watermain	2000	60	$18,967	$316	2000-2060	$24,200	2008	no	2060	yes	-	-	-
621	Heather Lynn Blvd From John St To S and W along Heather Lynn Blv	Material: PVC, Length: 199, Size:150	Tara Watermain	2000	60	$42,890	$715	2000-2060	$54,725	2008	no	2060	yes	-	-	-
622	Heather Lynn Blvd. From 150 Watermain To East to sample Station No. 1	Material: PVC, Length: 8, Size:50	Tara Watermain	2003	60	$1,134	$19	2003-2063	$1,320	2008	no	2063	yes	-	-	-
623	Heather Lynn Blvd. From Mill St. To John St.	Material: PVC, Length: 85, Size:150	Tara Watermain	1992	60	$14,358	$239	1992-2052	$23,375	2008	no	2052	yes	-	-	-
624	Heather Lynn Blvd. From John St. To S and W along Heather Lynn Blv	Material: PVC, Length: 199, Size:150	Tara Watermain	2000	60	$42,890	$715	2000-2060	$54,725	2008	no	2060	yes	-	-	-
625	Heather Lynn Blvd. From S along Heather Lynn Blvd To South to end	Material: PVC, Length: 399, Size:150	Tara Watermain	2003	60	$94,225	$1,570	2003-2063	$109,725	2008	no	2063	yes	-	-	-
626	John St From Lynn Blvd. To Hamilton St.	Material: PVC, Length: 270, Size:150	Tara Watermain	1997	60	$53,111	$885	1997-2057	$74,250	2008	no	2057	yes	-	-	-

Tara Water System Financial Plan

List of Assets

Item No.	Asset Name	Description 1	Description 2	Year In-Service	Expected Useful Life	Historical Cost	Annual Amortization	Amortization Period	"Current" Replacement Cost	Year of "Current" Cost Estimate	Overdue?	1st Replacement Year	Replacement Year Past 2030?	Replacement Cost with inflation	Annual Amortization	Amortization Period
627	John St From S along Heather Lynn Blvd To Dead End	Material: PVC, Length: 91, Size:150	Tara Watermain	2000	60	$19,613	$327	2000-2060	$25,025	2008	no	2060	yes	-	-	-
628	John St. From Hamilton St. To Young St. S	Material: PVC, Length: 150, Size:150	Tara Watermain	1997	60	$29,506	$492	1997-2057	$41,250	2008	no	2057	yes	-	-	-
629	Main St. From Young St. S To Ann St.	Material: CI, Length: 75, Size:100	Tara Watermain	1947	60	$2,632	$44	1947-2007	$16,875	2008	yes	2017	no	$22,018	$367	2017-2077
630	Main St. From Ann St. To Market St.	Material: CI, Length: 225, Size:100	Tara Watermain	1947	60	$7,897	$132	1947-2007	$50,625	2008	yes	2017	no	$66,054	$1,101	2017-2077
631	Main St. From Market St. To Bruce St.	Material: CI, Length: 205, Size:100	Tara Watermain	1947	60	$7,195	$120	1947-2007	$46,125	2008	yes	2014	no	$55,076	$918	2014-2074
632	Maria St. From North St. To Brook St. E	Material: PE, Length: 140, Size:20	Tara Watermain	1960	60	$3,894	$65	1960-2020	$46,800	2008	no	2011	no	$66,000	$1,100	2011-2071
633	Maria St. From Brook St. E To Bruce St.	Material: CI, Length: 125, Size:150	Tara Watermain	1947	60	$5,362	$89	1947-2007	$34,375	2008	yes	2017	no	$44,852	$748	2017-2077
634	Maria St. From Bruce St. To River St.	Material: CI, Length: 190, Size:150	Tara Watermain	1947	60	$8,150	$136	1947-2007	$52,250	2008	yes	2022	no	$79,033	$1,317	2022-2082
635	Market St From River St. To 95m W	Material: PVC, Length: 95, Size:30	Tara Watermain	1960	60	$5,174	$86	1960-2020	$22,325	2008	no	2021	no	$32,785	$546	2021-2081
636	Market St. From Main St. To River St.	Material: CI, Length: 90, Size:100 / 150	Tara Watermain	1947	60	$3,861	$64	1947-2007	$24,750	2008	yes	2019	no	$34,260	$571	2019-2079
637	Mary Ann St. From Hamilton St. To Young St. S	Material: CI, Length: 140, Size:100	Tara Watermain	1947	60	$4,913	$82	1947-2007	$31,500	2008	yes	2019	no	$43,603	$727	2019-2079
638	Matilda St From Waterworks Pumphouse To Elgin Ave	Material: CI, Length: 105, Size:100	Tara Watermain	1947	60	$3,685	$61	1947-2007	$23,625	2008	yes	2019	no	$32,703	$545	2019-2079
639	Matilda St From Elgin Ave To Young St. N	Material: CI, Length: 125, Size:150	Tara Watermain	1947	60	$5,362	$89	1947-2007	$34,375	2008	yes	2019	no	$47,583	$793	2019-2079
640	Mill St. From Dead End To Lynn Blvd.	Material: Poly, Length: 150, Size:30	Tara Watermain	1960	60	$4,693	$78	1960-2020	$20,250	2008	no	2011	no	$22,500	$375	2011-2071
641	Mill St. From Lynn Blvd. To Hamilton St.	Material: CI, Length: 187, Size:100	Tara Watermain	1947	60	$6,563	$109	1947-2007	$42,075	2008	yes	2013	no	$48,776	$813	2013-2073
642	Mill St. From Lynn Blvd. To Hamilton St.	Material: PVC, Length: 84, Size:150	Tara Watermain	1947	60	$3,603	$60	1947-2007	$23,100	2008	yes	2013	no	$26,779	$446	2013-2073
643	Mill St. From Hamilton St. To Young St. S	Material: CI, Length: 105, Size:150	Tara Watermain	1947	60	$4,504	$75	1947-2007	$28,875	2008	yes	2013	no	$33,474	$558	2013-2073
644	Mill St. From 150 CI To Young St. S	Material: PVC, Length: 37, Size:300	Tara Watermain	1947	60	$2,770	$46	1947-2007	$17,760	2008	yes	2019	no	$24,584	$410	2019-2079
645	North St. From Maria St. To Dead End	Material: PE, Length: 85, Size:20	Tara Watermain	1980	60	$4,347	$72	1980-2040	$10,200	2008	no	2040	yes	-	-	-
646	Park Rd. From Tara Boundary North To Brook St. E (Bruce Rd. 5)	Material: N/A, Length: 750, Size:30	Tara Watermain	1960	60	$23,466	$391	1960-2020	$101,250	2008	no	2020	no	$144,358	$2,406	2020-2080
647	Park Rd. From Brook St. E (Bruce Rd. 5) To 575m S	Material: PVC, Length: 575, Size:150	Tara Watermain	2003	60	$39,971	$666	2003-2063	$46,546	2008	no	2063	yes	-	-	-
648	River St. From Pump House #2 To Dead End N	Material: PVC, Length: 130, Size:30	Tara Watermain	1960	60	$4,067	$68	1960-2020	$17,550	2008	no	2021	no	$25,773	$430	2021-2081
649	River St. From Market St. To River St.	Material: CI, Length: 148, Size:100	Tara Watermain	1960	60	$7,718	$129	1960-2020	$33,300	2008	no	2021	no	$48,902	$815	2021-2081
650	River St. From Market St. To River St.	Material: CI, Length: 69, Size:150	Tara Watermain	1960	60	$4,398	$73	1960-2020	$18,975	2008	no	2012	no	$21,357	$356	2012-2072
651	River St. From Ann St. To Market St. 2 pipes	Material: PVC, Length: 215, Size:150	Tara Watermain	2006	60	$55,631	$927	2006-2066	$59,125	2008	no	2066	yes	-	-	-
652	River St. From Young St. S To Market St.	Material: CI, Length: 75, Size:150	Tara Watermain	1947	60	$3,217	$54	1947-2007	$20,625	2008	yes	2020	no	$29,406	$490	2020-2080
653	River St. From Pump House #3 To Ann St. 2 pipes	Material: DI / PVC, Length: 95, Size:150	Tara Watermain	1980	60	$11,134	$186	1980-2040	$26,125	2008	no	2040	yes	-	-	-
654	Union St. (Bruce Rd. 17) From Young St. S To Miller Drive	Material: CI, Length: 315, Size:100	Tara Watermain	1947	60	$11,055	$184	1947-2007	$70,875	2008	yes	2016	no	$89,782	$1,496	2016-2076
655	Whites Ave. From Dead End To Young St. N	Material: CI, Length: 270, Size:30 / 150	Tara Watermain	1947	60	$11,582	$193	1947-2007	$74,250	2008	yes	2024	no	$119,149	$1,986	2024-2084
656	Young St North From 150 CI To West to End	Material: CI, Length: 21, Size:150	Tara Watermain	2002	60	$4,810	$80	2002-2062	$5,775	2008	no	2062	yes	-	-	-
657	Young St. N From North St. To Brook St. W	Material: PVC, Length: 150, Size:300	Tara Watermain	2004	60	$63,741	$1,062	2004-2064	$72,000	2008	no	2064	yes	-	-	-
658	Young St. N From Brook St. W To Bruce St.	Material: PVC, Length: 115, Size:300	Tara Watermain	2004	60	$48,868	$814	2004-2064	$55,200	2008	no	2064	yes	-	-	-
659	Young St. N From Bruce St. To Matilda St	Material: PVC, Length: 130, Size:300	Tara Watermain	2004	60	$55,242	$921	2004-2064	$62,400	2008	no	2064	yes	-	-	-
660	Young St. N From Matilda St To Whites Ave.	Material: PVC, Length: 95, Size:300	Tara Watermain	2004	60	$40,369	$673	2004-2064	$45,600	2008	no	2064	yes	-	-	-

Tara Water System Financial Plan

List of Assets

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661	Young St. N From North St. To 80m N	Material: CI, Length: 80, Size:300	Tara Watermain	2004	60	$33,995	$567	2004-2064	$38,400	2008	no	2064	yes	-	-	-
662	Young St. S From Young St. S To West to sample station	Material: PVC, Length: 15, Size:50	Tara Watermain	2004	60	$2,191	$37	2004-2064	$2,475	2008	no	2064	yes	-	-	-
663	Young St. S From Young St. S To Whites Ave.	Material: PVC, Length: 83, Size:300	Tara Watermain	2004	60	$35,270	$588	2004-2064	$39,840	2008	no	2064	yes	-	-	-
664	Young St. S From River St. To Mill St.	Material: PVC, Length: 75, Size:300	Tara Watermain	2004	60	$31,871	$531	2004-2064	$36,000	2008	no	2064	yes	-	-	-
665	Young St. S From Mill St. To John St.	Material: PVC, Length: 90, Size:300	Tara Watermain	2004	60	$38,245	$637	2004-2064	$43,200	2008	no	2064	yes	-	-	-
666	Young St. S From Main St. To Mary Ann St.	Material: PVC, Length: 210, Size:300	Tara Watermain	2004	60	$89,238	$1,487	2004-2064	$100,800	2008	no	2064	yes	-	-	-
667	Young St. S From John St. To Main St.	Material: PVC, Length: 110, Size:300	Tara Watermain	2004	60	$46,743	$779	2004-2064	$52,800	2008	no	2064	yes	-	-	-
668	Young St. S From Mary Ann St. To Union St. (Bruce Rd. 17)	Material: PVC, Length: 155, Size:300	Tara Watermain	2004	60	$65,866	$1,098	2004-2064	$74,400	2008	no	2064	yes	-	-	-
669	Young St. S From Union St. (Bruce Rd. 17) To Bridge	Material: PVC, Length: 105, Size:300	Tara Watermain	2004	60	$44,619	$744	2004-2064	$50,400	2008	no	2064	yes	-	-	-
670	Services (5)	Services	Tara Services	2001	60	$7,171	$120	2001-2061	$8,875	2008	no	2061	yes	-	-	-
671	Services (14)	Services	Tara Services	2002	60	$20,699	$345	2002-2062	$24,850	2008	no	2062	yes	-	-	-
672	Services (8)	Services	Tara Services	2003	60	$12,194	$203	2003-2063	$14,200	2008	no	2063	yes	-	-	-
673	Services (8)	Services	Tara Services	2004	60	$12,571	$210	2004-2064	$14,200	2008	no	2064	yes	-	-	-
674	Services (7)	Services	Tara Services	2005	60	$11,340	$189	2005-2065	$12,425	2008	no	2065	yes	-	-	-
675	Services (3)	Services	Tara Services	2006	60	$5,010	$84	2006-2066	$5,325	2008	no	2066	yes	-	-	-
676	Services (3)	Services	Tara Services	2007	60	$5,165	$86	2007-2067	$5,325	2008	no	2067	yes	-	-	-
677	Services (2)	Services	Tara Services	2008	60	$3,550	$59	2008-2068	$3,550	2008	no	2068	yes	-	-	-
678	Services (360)	Services	Tara Services	1980	60	$272,339	$4,539	1980-2040	$639,000	2008	no	2040	yes	-	-	-
679	Pump house #2 Building, Area = 27m^2 - Asphalt Shingle Roof - Brick Wall Facing - Concrete Entrance Slab (0.34m3) - Heating and ventilation system	Building(s) and Associated Items	Tara Pumphouse 2	2007	50	$47,824	$956	2007-2057	$49,303	2008	no	2057	yes	-	-	-
680	Raw Water Well #2 118.6m deep	Building(s) and Associated Items	Tara Pumphouse 2	2004	50	$132,794	$2,656	2004-2054	$150,000	2008	no	2054	yes	-	-	-
681	Cartridge Filter	Treated Water Equipment	Tara Pumphouse 2	2007	20	$10,099	$505	2007-2027	$10,411	2008	no	2025	no	$17,209	$860	2025-2045
682	Sodium Hypochlorite System	Treated Water Equipment	Tara Pumphouse 2	2007	20	$15,132	$757	2007-2027	$15,600	2008	no	2025	no	$25,784	$1,289	2025-2045
683	Internal Potable Water Piping and Fittings	Treated Water Equipment	Tara Pumphouse 2	2007	25	$2,910	$116	2007-2032	$3,000	2008	no	2032	yes	-	-	-
684	Process Piping (including raw water supply pipe), Various Valves, Pressure Gauges and Sampling Taps	Treated Water Equipment	Tara Pumphouse 2	2007	35	$32,747	$936	2007-2042	$33,760	2008	no	2042	yes	-	-	-
685	150mm dia. Watermain (370m)	Treated Water Equipment	Tara Pumphouse 2	2007	35	$76,781	$2,194	2007-2042	$79,156	2008	no	2042	yes	-	-	-
686	Treated Water Turbidity Analyzer	Treated Water Equipment	Tara Pumphouse 2	2007	15	$4,850	$323	2007-2022	$5,000	2008	no	2022	no	$7,563	$504	2022-2037
687	Magnetic Flow Meter	Treated Water Equipment	Tara Pumphouse 2	2007	25	$4,850	$194	2007-2032	$5,000	2008	no	2032	yes	-	-	-
688	Misc. Wiring/ Fixtures/ Panels/ Fire and Intrusion	Electrical	Tara Pumphouse 2	2007	30	$58,200	$1,940	2007-2037	$60,000	2008	no	2037	yes	-	-	-
689	Programmable Logic Control Unit	Electrical	Tara Pumphouse 2	2007	40	$25,705	$643	2007-2047	$26,500	2008	no	2047	yes	-	-	-
690	Variable Frequency Submersible Turbine Pump	Raw Water Supply	Tara Pumphouse 2	2007	15	$23,983	$1,599	2007-2022	$24,725	2008	no	2022	no	$37,399	$2,493	2022-2037
691	Landscaping and Site Works	Miscellaneous	Tara Pumphouse 2	2007	50	$14,672	$293	2007-2057	$15,126	2008	no	2057	yes	-	-	-
692	Miscellaneous metals	Miscellaneous	Tara Pumphouse 2	2007	25	$931	$37	2007-2032	$960	2008	no	2032	yes	-	-	-
693	Various Drainage Fixtures	Miscellaneous	Tara Pumphouse 2	2007	25	$970	$39	2007-2032	$1,000	2008	no	2032	yes	-	-	-
694	Pump house #3 Building, Area = 31m^2 - Asphalt Shingle Roof - Brick Wall Facing - Pump house Baseboard Heating System	Building(s) and Associated Items	Tara Pumphouse 3	1978	50	$25,263	$505	1978-2028	$104,093	2008	no	2027	no	$182,528	$3,651	2027-2077
695	Raw Water Well #3 119m deep	Building(s) and Associated Items	Tara Pumphouse 3	1978	50	$60,151	$1,203	1978-2028	$150,000	2008	no	2031	yes	-	-	-
696	Cartridge Filter	Treated Water Equipment	Tara Pumphouse 3	2007	20	$20,198	$1,010	2007-2027	$20,823	2008	no	2025	no	$34,417	$1,721	2025-2045
697	U.V. Disinfection Units (2)	Treated Water Equipment	Tara Pumphouse 3	2007	20	$105,749	$5,287	2007-2027	$109,020	2008	no	2026	no	$185,599	$9,280	2026-2046
698	Sodium Hypochlorite System	Treated Water Equipment	Tara Pumphouse 3	2007	20	$15,132	$757	2007-2027	$15,600	2008	no	2025	no	$25,784	$1,289	2025-2045
699	Internal Potable Water Piping and Fittings	Treated Water Equipment	Tara Pumphouse 3	2007	25	$19,400	$776	2007-2032	$20,000	2008	no	2032	yes	-	-	-

Tara Water System Financial Plan

List of Assets

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700	Process Piping Valves and Fittings	Treated Water Equipment	Tara Pumphouse 3	2007	35	$32,747	$936	2007-2042	$33,760	2008	no	2042	yes	-	-	-
701	150mm Water Main	Treated Water Equipment	Tara Pumphouse 3	2007	35	$33,644	$961	2007-2042	$34,684	2008	no	2042	yes	-	-	-
702	Fire Hydrant complete with appertenances	Treated Water Equipment	Tara Pumphouse 3	2007	35	$6,173	$176	2007-2042	$6,364	2008	no	2042	yes	-	-	-
703	Treated Water Turbidity Analyzer	Treated Water Equipment	Tara Pumphouse 3	2007	15	$4,850	$323	2007-2022	$5,000	2008	no	2022	no	$7,563	$504	2022-2037
704	Free Chlorine Residual Analyzer (2)	Treated Water Equipment	Tara Pumphouse 3	2007	15	$9,700	$647	2007-2022	$10,000	2008	no	2022	no	$15,126	$1,008	2022-2037
705	Magnetic Flow Meter	Treated Water Equipment	Tara Pumphouse 3	2007	25	$4,850	$194	2007-2032	$5,000	2008	no	2032	yes	-	-	-
706	Misc. Wiring/ Fixtures/ Panels/ Fire and Intrusion	Electrical	Tara Pumphouse 3	2007	30	$58,200	$1,940	2007-2037	$60,000	2008	no	2037	yes	-	-	-
707	Well Level Transducer	Electrical	Tara Pumphouse 3	2007	15	$970	$65	2007-2022	$1,000	2008	no	2022	no	$1,513	$101	2022-2037
708	Programmable Logic Control Unit Including: - SCADA System - Interior and Exterior Lighting - Electrical Service and Associated Items	Electrical	Tara Pumphouse 3	2007	40	$25,705	$643	2007-2047	$26,500	2008	no	2047	yes	-	-	-
709	60kW Natural Gas Generator Including: - Acoustic Exhaust Louvre (2) - Hospital Plus Grade Silencer - Louvre and Hooded Exhaust Vent	Electrical	Tara Pumphouse 3	2007	25	$33,232	$1,329	2007-2032	$34,260	2008	no	2032	yes	-	-	-
710	High Lift Submersible Turbine Pump (Variable Drive)	Raw Water Supply	Tara Pumphouse 3	2007	15	$23,983	$1,599	2007-2022	$24,725	2008	no	2022	no	$37,399	$2,493	2022-2037
711	Raw Water Supply Pipe	Raw Water Supply	Tara Pumphouse 3	2007	35	$3,880	$111	2007-2042	$4,000	2008	no	2042	yes	-	-	-
712	Landscaping and Site Works	Miscellaneous	Tara Pumphouse 3	2007	50	$6,790	$136	2007-2057	$7,000	2008	no	2057	yes	-	-	-
713	Pump house #4 Building, Area = 31m^2 - Asphalt Shingle Roof - Brick Wall Facing - Pump house Baseboard Heating System	Building(s) and Associated Items	Tara Pumphouse 4	2009	50	$87,784	$1,756	2009-2059	$85,150	2008	no	2059	yes	-	-	-
714	Miscellaneous metals	Building(s) and Associated Items	Tara Pumphouse 4	2007	50	$6,742	$135	2007-2057	$6,950	2008	no	2057	yes	-	-	-
715	Raw Water Well #4 119m deep	Building(s) and Associated Items	Tara Pumphouse 4	2009	50	$159,536	$3,191	2009-2059	$154,750	2008	no	2059	yes	-	-	-
716	Cartridge Filter	Treated Water Equipment	Tara Pumphouse 4	2009	20	$23,268	$1,163	2009-2029	$22,570	2008	no	2028	no	$40,764	$2,038	2028-2048
717	Sodium Hypochlorite System	Treated Water Equipment	Tara Pumphouse 4	2009	20	$30,897	$1,545	2009-2029	$29,970	2008	no	2028	no	$54,129	$2,706	2028-2048
718	Process Piping Valves and Fittings,incl. flow meter	Treated Water Equipment	Tara Pumphouse 4	2009	35	$81,701	$2,334	2009-2044	$79,250	2008	no	2044	yes	-	-	-
719	Treated Water Turbidity Analyzer	Treated Water Equipment	Tara Pumphouse 4	2009	15	$10,052	$670	2009-2024	$9,750	2008	no	2024	no	$15,646	$1,043	2024-2039
720	Free Chlorine Residual Analyzer (1)	Treated Water Equipment	Tara Pumphouse 4	2009	15	$10,052	$670	2009-2024	$9,750	2008	no	2024	no	$15,646	$1,043	2024-2039
721	Programmable Logic Control Unit Including: - SCADA System - Interior and Exterior Lighting - Electrical Service and Associated Items	Electrical	Tara Pumphouse 4	2009	40	$99,742	$2,494	2009-2049	$96,750	2008	no	2049	yes	-	-	-
722	Electrical MCC Panel	Electrical	Tara Pumphouse 4	2009	25	$88,196	$3,528	2009-2034	$85,550	2008	no	2034	yes	-	-	-
723	Hydro Supply	Electrical	Tara Pumphouse 4	2009	50	$46,134	$923	2009-2059	$44,750	2008	no	2059	yes	-	-	-
724	High Lift Submersible Turbine Pump	Raw Water Supply	Tara Pumphouse 4	2009	15	$16,204	$1,080	2009-2024	$15,718	2008	no	2024	no	$25,223	$1,682	2024-2039
725	Chlorine contact chamber,incl valvechamber, yd piping	Raw Water Supply	Tara Pumphouse 4	2009	35	$56,959	$1,627	2009-2044	$55,250	2008	no	2044	yes	-	-	-
726	Landscaping and Site Works	Miscellaneous	Tara Pumphouse 4	2009	50	$12,320	$246	2009-2059	$11,950	2008	no	2059	yes	-	-	-
727	Elevated Water Storage Tank, Cap. = 510 m^3	Building(s) and Associated Items	Tara Standpipe	2010	80	$1,426,068	$17,826	2010-2090	$1,426,068	2010	no	2090	yes	-	-	-
728	3000x1850mm Pre-cast Valve Chamber & tank misc	Building(s) and Associated Items	Tara Standpipe	2009	50	$92,832	$1,857	2009-2059	$92,832	2009	no	2059	yes	-	-	-
729	Miscellaneous Metals	Building(s) and Associated Items	Tara Standpipe	2007	50	$4,850	$97	2007-2057	$5,000	2008	no	2057	yes	-	-	-
730	Sump Pump	Valve Chamber	Tara Standpipe	2007	25	$1,164	$47	2007-2032	$1,200	2008	no	2032	yes	-	-	-
731	Pressure Gauges	Valve Chamber	Tara Standpipe	2007	25	$1,164	$47	2007-2032	$1,200	2008	no	2032	yes	-	-	-
732	Bruce/Derby From River st to past river	Length: 300 m; DiameterL 300mm	Tara Watermain	2015	60	$154,500	$2,575	2015-2075	$1,200	2008	no	2075	yes	-	-	-

Capital Expenditure

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
557	HY-T-030	-	-	-	-	-	-	-
558	HY-T-029	-	-	-	-	-	-	-
559	HY-T-031	-	-	-	-	-	-	-
560	HY-T-027	-	-	-	-	-	-	-
561	HY-T-035	-	-	-	-	-	-	-
562	HY-T-028	-	-	-	-	-	-	-
563	HY-T-037	-	-	-	-	-	-	-
564	HY-T-036	-	-	-	-	-	-	-
565	HY-T-003	-	-	-	-	-	-	-
566	HY-T-004	-	-	-	-	-	-	-
567	HY-T-034	-	-	-	-	-	-	-
568	HY-T-002	-	-	-	-	-	-	-
569	HY-T-021	-	-	-	-	-	-	-
570	HY-T-013	-	-	-	-	-	-	-
571	HY-T-001	-	-	-	-	-	-	-
572	HY-T-012	-	-	-	-	-	-	-
573	HY-T-010	-	-	-	-	-	-	-
574	HY-T-022	-	-	-	-	-	-	-
575	HY-T-014	-	-	-	-	-	-	-
576	HY-T-015	-	-	-	-	-	-	-
577	HY-T-016	-	-	-	-	-	-	-
578	HY-T-017	-	-	-	-	-	-	-
579	HY-T-033	-	-	-	-	-	-	-
580	HY-T-032	-	-	-	-	-	-	-
581	HY-T-024	-	-	-	-	-	-	-
582	HY-T-038	-	-	-	-	-	-	-
583	HY-T-011	-	-	-	-	-	-	-
584	HY-T-018	-	-	-	-	-	-	-
585	HY-T-020	-	-	-	-	-	-	-
586	HY-T-019	-	-	-	-	-	-	-
587	HY-T-041	-	-	-	-	-	-	-

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
588	HY-T-040	-	-	-	-	-	-	-
589	HY-T-039	-	-	-	-	-	-	-
590	HY-T-009	-	-	-	-	-	-	-
591	HY-T-008	-	-	-	-	-	-	-
592	HY-T-007	-	-	-	-	-	-	-
593	HY-T-006	-	-	-	-	-	-	-
594	HY-T-005	-	-	-	-	-	-	-
595	HY-T-023	-	-	-	-	-	-	-
596	HY-T-025	-	-	-	-	-	-	-
597	HY-T-026	-	-	-	-	-	-	-
598	HY-T-042	-	-	-	-	-	-	-
599	- From Fairgrounds To Mary Ann St.	-	-	-	-	-	-	-
600	- From Water Tank To Young St. N	-	-	-	-	-	-	-
601	Ann St. From Young St. S To Main St.	-	-	-	-	-	-	-
602	Ann St. From Main St. To River St.	-	-	-	-	-	-	-
603	Brook St E (Bruce Rd 5) From Road To Crossing	-	-	-	-	-	-	-
604	Brook St. E (Bruce Rd. 5) From Park Rd. To Tara Boundary East	-	-	-	-	-	-	-
605	Brook St. E (Bruce Rd. 5) From Maria St. To Park Rd.	-	-	-	-	-	-	-
606	Brook St. E (Bruce Rd. 5) From Young St. N To Maria St.	-	-	-	-	-	-	-
607	Brook St. W From Francis St. To Elgin Ave	-	-	-	-	-	-	-
608	Brook St. W From Elgin Ave To Young St. N	-	-	-	-	-	-	-
609	Brook St. W From Francis St. To 580 m W	-	-	-	-	-	-	-
610	Bruce St. From Maria St. To 75m W	-	-	-	-	-	-	-
611	Bruce St. From River St. To Main St.	-	-	$22,792	-	-	-	-
612	Elgin Ave From Brook St. W To Matilda St	-	-	-	-	-	-	-
613	Francis St From South end Francis St. To Matilda St.	-	-	-	-	-	-	-

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
614	Francis St From 100 CI To Brooke St 200 PVC	-	-	-	-	-	-	$6,271
615	Francis St. From North Hydrant To South Hydrant	-	-	-	-	-	-	$39,903
616	Francis St. From Brook St. W To Hydrant	-	-	-	-	-	-	$24,227
617	Hamilton St. From Ball Park To Mary Ann St.	-	-	-	-	-	-	-
618	Hamilton St. From John St. To 95m S	-	-	-	-	-	$15,773	-
619	Hamilton St. From Mary Ann St. To 145m S	-	-	-	-	-	-	-
620	Heather Lynn Blvd From To John St	-	-	-	-	-	-	-
621	Heather Lynn Blvd From John St To S and W along Heather Lynn Blv	-	-	-	-	-	-	-
622	Heather Lynn Blvd. From 150 Watermain To East to sample Station No. 1	-	-	-	-	-	-	-
623	Heather Lynn Blvd. From Mill St. To John St.	-	-	-	-	-	-	-
624	Heather Lynn Blvd. From John St. To S and W along Heather Lynn Blv	-	-	-	-	-	-	-
625	Heather Lynn Blvd. From S along Heather Lynn Blvd To South to end	-	-	-	-	-	-	-
626	John St From Lynn Blvd. To Hamilton St.	-	-	-	-	-	-	-
627	John St From S along Heather Lynn Blvd To Dead End	-	-	-	-	-	-	-
628	John St. From Hamilton St. To Young St. S	-	-	-	-	-	-	-
629	Main St. From Young St. S To Ann St.	-	-	-	-	-	-	-
630	Main St. From Ann St. To Market St.	-	-	-	-	-	-	-
631	Main St. From Market St. To Bruce St.	-	-	-	-	$55,076	-	-
632	Maria St. From North St. To Brook St. E	-	$66,000	-	-	-	-	-
633	Maria St. From Brook St. E To Bruce St.	-	-	-	-	-	-	-
634	Maria St. From Bruce St. To River St.	-	-	-	-	-	-	-
635	Market St From River St. To 95m W	-	-	-	-	-	-	-

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
636	Market St. From Main St. To River St.	-	-	-	-	-	-	-
637	Mary Ann St. From Hamilton St. To Young St. S	-	-	-	-	-	-	-
638	Matilda St From Waterworks Pumphouse To Elgin Ave	-	-	-	-	-	-	-
639	Matilda St From Elgin Ave To Young St. N	-	-	-	-	-	-	-
640	Mill St. From Dead End To Lynn Blvd.	-	$22,500	-	-	-	-	-
641	Mill St. From Lynn Blvd. To Hamilton St.	-	-	-	$48,776	-	-	-
642	Mill St. From Lynn Blvd. To Hamilton St.	-	-	-	$26,779	-	-	-
643	Mill St. From Hamilton St. To Young St. S	-	-	-	$33,474	-	-	-
644	Mill St. From 150 CI To Young St. S	-	-	-	-	-	-	-
645	North St. From Maria St. To Dead End	-	-	-	-	-	-	-
646	Park Rd. From Tara Boundary North To Brook St. E (Bruce Rd. 5)	-	-	-	-	-	-	-
647	Park Rd. From Brook St. E (Bruce Rd. 5) To 575m S	-	-	-	-	-	-	-
648	River St. From Pump House #2 To Dead End N	-	-	-	-	-	-	-
649	River St. From Market St. To River St.	-	-	-	-	-	-	-
650	River St. From Market St. To River St.	-	-	$21,357	-	-	-	-
651	River St. From Ann St. To Market St. 2 pipes	-	-	-	-	-	-	-
652	River St. From Young St. S To Market St.	-	-	-	-	-	-	-
653	River St. From Pump House #3 To Ann St. 2 pipes	-	-	-	-	-	-	-
654	Union St. (Bruce Rd. 17) From Young St. S To Miller Drive	-	-	-	-	-	-	$89,782
655	Whites Ave. From Dead End To Young St. N	-	-	-	-	-	-	-
656	Young St North From 150 CI To West to End	-	-	-	-	-	-	-
657	Young St. N From North St. To Brook St. W	-	-	-	-	-	-	-

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
658	Young St. N From Brook St. W To Bruce St.	-	-	-	-	-	-	-
659	Young St. N From Bruce St. To Matilda St	-	-	-	-	-	-	-
660	Young St. N From Matilda St To Whites Ave.	-	-	-	-	-	-	-
661	Young St. N From North St. To 80m N	-	-	-	-	-	-	-
662	Young St. S From Young St. S To West to sample station	-	-	-	-	-	-	-
663	Young St. S From Young St. S To Whites Ave.	-	-	-	-	-	-	-
664	Young St. S From River St. To Mill St.	-	-	-	-	-	-	-
665	Young St. S From Mill St. To John St.	-	-	-	-	-	-	-
666	Young St. S From Main St. To Mary Ann St.	-	-	-	-	-	-	-
667	Young St. S From John St. To Main St.	-	-	-	-	-	-	-
668	Young St. S From Mary Ann St. To Union St. (Bruce Rd. 17)	-	-	-	-	-	-	-
669	Young St. S From Union St. (Bruce Rd. 17) To Bridge	-	-	-	-	-	-	-
670	Services (5)	-	-	-	-	-	-	-
671	Services (14)	-	-	-	-	-	-	-
672	Services (8)	-	-	-	-	-	-	-
673	Services (8)	-	-	-	-	-	-	-
674	Services (7)	-	-	-	-	-	-	-
675	Services (3)	-	-	-	-	-	-	-
676	Services (3)	-	-	-	-	-	-	-
677	Services (2)	-	-	-	-	-	-	-
678	Services (360)	-	-	-	-	-	-	-
679	Pump house #2 Building, Area = 27m2 - Asphalt Shingle Roof - Brick Wall Facing - Concrete Entrance Slab (0.34m3) - Heating and ventilation system	-	-	-	-	-	-	-

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
680	Raw Water Well #2 118.6m deep	-	-	-	-	-	-	-
681	Cartridge Filter	-	-	-	-	-	-	-
682	Sodium Hypochlorite System	-	-	-	-	-	-	-
683	Internal Potable Water Piping and Fittings	-	-	-	-	-	-	-
684	Process Piping (including raw water supply pipe), Various Valves, Pressure Gauges and Sampling Taps	-	-	-	-	-	-	-
685	150mm dia. Watermain (370m)	-	-	-	-	-	-	-
686	Treated Water Turbidity Analyzer	-	-	-	-	-	-	-
687	Magnetic Flow Meter	-	-	-	-	-	-	-
688	Misc. Wiring/ Fixtures/ Panels/ Fire and Intrusion	-	-	-	-	-	-	-
689	Programmable Logic Control Unit	-	-	-	-	-	-	-
690	Variable Frequency Submersible Turbine Pump	-	-	-	-	-	-	-
691	Landscaping and Site Works	-	-	-	-	-	-	-
692	Miscellaneous metals	-	-	-	-	-	-	-
693	Various Drainage Fixtures	-	-	-	-	-	-	-
694	Pump house #3 Building, Area = 31m2 - Asphalt Shingle Roof - Brick Wall Facing - Pump house Baseboard Heating System	-	-	-	-	-	-	-
695	Raw Water Well #3 119m deep	-	-	-	-	-	-	-
696	Cartridge Filter	-	-	-	-	-	-	-
697	U.V. Disinfection Units (2)	-	-	-	-	-	-	-
698	Sodium Hypochlorite System	-	-	-	-	-	-	-
699	Internal Potable Water Piping and Fittings	-	-	-	-	-	-	-
700	Process Piping Valves and Fittings	-	-	-	-	-	-	-
701	150mm Water Main	-	-	-	-	-	-	-

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
702	Fire Hydrant complete with appertenances	-	-	-	-	-	-	-
703	Treated Water Turbidity Analyzer	-	-	-	-	-	-	-
704	Free Chlorine Residual Analyzer (2)	-	-	-	-	-	-	-
705	Magnetic Flow Meter	-	-	-	-	-	-	-
706	Misc. Wiring/ Fixtures/ Panels/ Fire and Intrusion	-	-	-	-	-	-	-
707	Well Level Transducer	-	-	-	-	-	-	-
708	Programmable Logic Control Unit Including: - SCADA System - Interior and Exterior Lighting - Electrical Service and Associated Items	-	-	-	-	-	-	-
709	60kW Natural Gas Generator Including: - Acoustic Exhaust Louvre (2) - Hospital Plus Grade Silencer - Louvre and Hooded Exhaust Vent	-	-	-	-	-	-	-
710	High Lift Submersible Turbine Pump (Variable Drive)	-	-	-	-	-	-	-
711	Raw Water Supply Pipe	-	-	-	-	-	-	-
712	Landscaping and Site Works	-	-	-	-	-	-	-
713	Pump house #4 Building, Area = 31m2 - Asphalt Shingle Roof - Brick Wall Facing - Pump house Baseboard Heating System	-	-	-	-	-	-	-
714	Miscellaneous metals	-	-	-	-	-	-	-
715	Raw Water Well #4 119m deep	-	-	-	-	-	-	-
716	Cartridge Filter	-	-	-	-	-	-	-
717	Sodium Hypochlorite System	-	-	-	-	-	-	-
718	Process Piping Valves and Fittings,incl. flow meter	-	-	-	-	-	-	-
719	Treated Water Turbidity Analyzer	-	-	-	-	-	-	-

Item No.	Asset Name	2010	2011	2012	2013	2014	2015	2016
720	Free Chlorine Residual Analyzer (1)	-	-	-	-	-	-	-
721	Programmable Logic Control Unit Including: - SCADA System - Interior and Exterior Lighting - Electrical Service and Associated Items	-	-	-	-	-	-	-
722	Electrical MCC Panel	-	-	-	-	-	-	-
723	Hydro Supply	-	-	-	-	-	-	-
724	High Lift Submersible Turbine Pump	-	-	-	-	-	-	-
725	Chlorine contact chamber,incl valvechamber, yd piping	-	-	-	-	-	-	-
726	Landscaping and Site Works	-	-	-	-	-	-	-
727	Elevated Water Storage Tank, Cap. = 510 m3	$1,140,855	-	-	-	-	-	-
728	3000x1850mm Pre-cast Valve Chamber & tank misc	-	-	-	-	-	-	-
729	Miscellaneous Metals	-	-	-	-	-	-	-
730	Sump Pump	-	-	-	-	-	-	-
731	Pressure Gauges	-	-	-	-	-	-	-
732	Bruce/Derby From River st to past river	-	-	-	-	-	$154,500	-
	Scada upgrades (Tara Water Operations)		$7,500					
	SUB TOTAL	$1,140,855	$96,000	$44,148	$109,030	$55,076	$170,273	$160,183
	Engineering (25%)	$285,214	$24,000	$11,037	$27,257	$13,769	$42,568	$40,046
	Other (1)							
	Other (2)							
	TOTAL	$1,426,069	$120,000	$55,185	$136,287	$68,845	$212,841	$200,229

Appendix C

Council Resolution

THE CORPORATION OF THE MUNICIPALITY OF ARRAN-ELDERSLIE
1925 Bruce Road 10, Box 70, Chesley, ON N0G 1L0
519-363-3039 Fax: 519-363-2203 areld@bmts.com

July 12th, 2011

Genivar Inc.
Suite 101
1450 1st Avenue West
Owen Sound, ON N4K 6W2

Attention: Rakesh Sharma, P.Eng

Dear Mr. Sharma:

Re: Water Financial Plans

Please be advised that Council of the Municipality of Arran-Elderslie at its meeting of July 11th, 2011 passed the following motion:

"Be It Resolved, That Council of the Municipality of Arran-Elderslie hereby
1) Accepts the Water Financial Plans for Arran-Elderslie and Tara Water Systems for a six (6) year plan; and
2) Directs Genivar to submit these plans to the Ministry of Municipal Affairs and Housing in accordance with the requirements of the Safe Drinking Water Act."

Yours truly,
MUNICIPALITY OF ARRAN-ELDERSLIE
Per:

(Mrs.) Peggy Rouse
Municipal Clerk
aeclerk@bmts.com

cc: V. Weppler, Works Manager, Arran-Elderslie