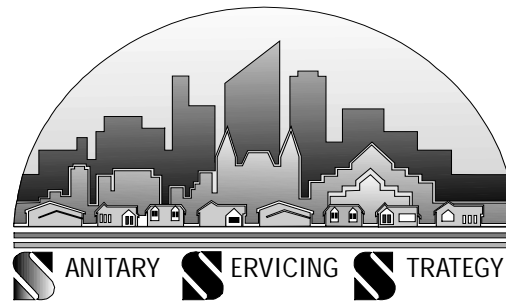


THE CITY OF EDMONTON
SANITARY SERVICING STRATEGY FUND



2013 ANNUAL REPORT

June 2014

Prepared by:
City of Edmonton
Financial Services and Utilities Department
Drainage Services Branch

Sanitary Servicing Strategy Fund
2013 Annual Report

MESSAGE FROM THE MANAGEMENT COMMITTEE

This is the fifteenth annual report of the Sanitary Servicing Strategy Fund (SSSF). The SSSF activities in 2013 included: for the South Edmonton Sanitary Sewer (SESS) system, construction of Stages SE4a and SE4b, construction of the 91st Street crossing of Stage SA1a and design of Stage SA10a; for the North Edmonton Sanitary Trunk (NEST) system, completion of the remaining drop manhole works in Stage NL2/NL3/N1 at 66 Street and 153 Avenue; and for the West Edmonton Sanitary Sewer (WESS) system, on-going construction of WESS Stages W13 and W14.

The SSSF Management and Operational Committees met a total of six times this year; four times separately and two times as a combined committee to approve design and construction schedules, monitor construction progress, and review the financial status of the Fund.

Since the program started in 1999, a total of about 33.1 km of tunnels and sewers have been constructed which support closed to 57,000 single family lots in addition to other multi-family residential, commercial and industrial developments.

In 2013, the SSSF Fund recorded revenues of \$21.2 million and expenditures of \$20.3 million, resulting in an increase of \$0.90 million to the fund. The fund ended 2013 with a closing balance of \$26.4 million compared to the 2012 year-end balance of \$25.5 million. The NEST and the SESS update planning studies were completed this year. Construction schedules and estimated costs for some segments were adjusted to reflect the latest planning information. The updated SSSF cash flow model projections for the next five years indicates that the fund balance will drop significantly within the next three years due to some high project costs. A concern that the fund may become unsustainable in the coming years brought the committee to recommend a review of the fund based on the functional plans done in 2013 and to assess the current rates to determine if they are still realistic and reflective of the actual construction cost. Analysis on multiple scenarios, examining different levels of rate increases and planned expenditures, is currently underway using the financial model to examine the impacts on the fund balance for the short and long term project duration.

Our focus in 2014 will be to finish the remaining works of WESS Stages W13 & W14; to undertake the conceptual and preliminary design phases of a new pump station for the existing NEST NC1 storage tunnel; to prepare the final design of SESS SW4 & SW5 based on the proposed alignment established in the Preliminary Design Update Report of 2013; to continue construction for SESS Stage SA1a; and to commence construction for SESS SA10a upon approval to proceed. We are also expecting to initiate the proposed WESS Planning Update Study which will ensure that implementation schedules in the WESS basin can accommodate the latest growth projections, as well as the overall review of the sustainability of the Fund.

Todd Wyman, P. Eng.
Chair, SSSF Management Committee

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1.0 PLANNING & CONSTRUCTION ACTIVITIES IN 2013

The following is a summary of the planning and construction activities completed under the Sanitary Servicing Strategy (SSS) in 2013 with some construction photos shown:

North Edmonton Sanitary Trunk (NEST) - Stages NL2/NL3/N1

The project consists of a 3.6 km long 2,340 mm diameter pipe tunnel to provide sanitary servicing to neighborhoods north of 153 Avenue between 76 Street and Manning Drive. The NEST tunnel is connected to the existing NL1 pump station at 76 Street and 153 Avenue. The tunnel construction was completed in 2011. In 2013, the drop manhole construction work located at the intersection of 66 Street and 153 Avenue was completed.

South Edmonton Sanitary Sewer (SESS) – Stage SA1a

SESS Stage SA1a will connect the SW1 pump station at Ellerslie Road and Parsons Road to Stages SA1b & 1c at 91 Street and 9 Avenue. This segment will allow the SESS flow to bypass the South East Regional Trunk Sewer (SERTS) and no longer be limited by its available capacity. The 100 m long tunnel across 91 Street was completed in 2013. The construction across 91 Street was done using the hand tunneling method as shown in Figure 1. The detailed design for the remaining portion of the 2.3 km long 2,100 to 2,340 mm diameter pipe was also completed in 2013. Construction for the remaining portion will start in 2014.

South Edmonton Sanitary Sewer (SESS) – Stage SA10a

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The SESS Stage SA10a project will install a 750 m long storage tunnel for Maple Ridge Industrial Area. Conceptual design of Stage SA10a was completed in 2011 with three tunnel alignment options being brought forward for further evaluation during the preliminary design stage. The preliminary design work started in 2012 and has since finalized the tunnel alignment option in order to proceed to detailed design. The original schedule was to allow construction starting in early 2013 and completing by 2015. However, the developers in Maple Ridge Industrial Area have not signed the service agreement and thus the SSSF committee has not approved the construction phase of this project. It is anticipated that the SSSF committee will provide the approval for the construction of Stage SA10a project in 2014. The detailed design is 95% completed.

South Edmonton Sanitary Sewer (SESS) – Stage SE4a

SESS Stage SE4a was a 500 m long 1,200 mm diameter sanitary sewer trunk along 91 Street, from 25 Avenue SW to 30 Avenue SW, to link the recently completed Stage SE4b to the SE3 trunk downstream. Construction work started in September 2012 and the entire length of the sanitary sewer trunk was installed by the end of 2012. In 2013, contractor re-did the backfill as shown in Figure 2, to meet City Standards.

West Edmonton Sanitary Sewer (WESS) – Stage W13

WESS Stage W13 is a 1.1 km long 2,340 mm diameter sanitary sewer tunnel and is 30 m below the ground, along 151 Street from 93 Avenue to 99 Avenue. Construction of this project started in September 2011 and will be completed before the end of May 2014. In 2013, 100% of the 1.1 km long tunnel was completed and the connection work to the existing sanitary system has started as shown in Figure 3.

West Edmonton Sanitary Sewer (WESS) – Stage W14

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The installation of a 2.2 km long 1,200 mm diameter pipe along 199 Street between 109 Avenue and 98 Avenue will provide sanitary servicing to the Big Lake and Winterburn industrial areas. Construction started in early 2012 with the start of micro tunneling at the middle of the same year as shown in Figure 4. Installation of all the pipes was completed in 2013. The pipe is ready for commissioning.

North Edmonton Sanitary Trunk (NEST) Planning Update Study- the study was completed by ISL Engineering and Land Services Ltd. (ISL) on December 2013 and the final report was circulated to all members of the SSSF committees and stakeholders of the project.

South Edmonton Sanitary Sewer (SESS) Planning Update Study- the study was completed by ISL on January 2014 and copies of the final report were distributed to all members of the SSSF committees and stakeholders of the project.



Figure 1. SESS SA1 – Construction Area



Figure 2. SESS SE4a – Backfilling of the SE4a sanitary trunk.



Figure 3. WESS W13 – Connection work to existing sanitary system



Figure 4. WESS W14 – Micro Tunneling Construction

2.0 MANAGEMENT AND OPERATIONAL COMMITTEES

The role of the **SSSF Management Committee** is to make decisions regarding revenues, expenditures and schedules that best meet the long-range plans of all stakeholders. The Committee has six members:

Chair: Director of Drainage Planning – Todd Wyman
Members: UDI Representative – Dave Kinders
UDI Representative – Wade Zwicker
Drainage Design & Construction – James Tan
Senior Planner of Current Planning – Tim Ford
General Supervisor of Infrastructure Planning – D. Philip Alex (Secretary & Non-voting Member)

The Management Committee met a total of four times in 2013 (twice as a joint session with the SSSF Operational Committee). Some of the major decisions made are listed below:

- Approved motion for Drainage Design & Construction to proceed with the Conceptual Design Phase of a new pump station & force main for NEST NC1 (Option 4a) as recommended in the NEST Planning Study Update of 2013, for a conceptual design phase budget of \$ 400,000.
- Approved motion for Drainage Design & Construction to proceed with the detailed design of SESS SW4 & SW5 for an initial design budget of \$500,000, and to continue with the construction of the work and additional designs during construction as necessary, subject to a construction phase budget that has yet to be further approved.
- Approved the proposed increase to 2014 SSSF rates by 3.7% effective April 2014.
- Recommended a review of the SSS Fund based on the functional plans

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done in 2013; and to assess the current rates if they are still realistic and reflective of the actual construction cost.

The **SSSF Operational Committee** reviews the need for new sanitary trunk facilities under the Sanitary Servicing Strategy regarding timing and capacity requirements, provides recommendations to, and flags relevant issues for consideration by the SSSF Management Committee. The Committee is made up of seven members:

Chair: General Supervisor of Strategic Planning – Michael Porretta
Members: Drainage Design & Construction– Albert Kwan
UDI Representative – Leo Levasseur
UDI Representative – George Cantalini
Director of Development Coordination, Sustainable Development –
Orest Gowda
Finance Officer, Drainage Services – Stephen Cheung
Senior Engineer, Drainage Planning– David Leung (Secretary)

The Operational Committee met four times in 2013 (twice as a joint session with the SSSF Management Committee) and achieved some of the following major accomplishments:

- Recommended to update the SSSF model with the recent estimates of the expenditures and timing of future projects from the SESS and NEST planning update studies.
- Recommended the conceptual design of SA10a and to proceed with the preliminary design.
- Recommended a motion for Drainage Design & Construction to proceed with the Conceptual Design Phase of a new pump station & force main for NEST NC1 (Option 4a) as recommended in the NEST Planning Study Update of 2013, for a conceptual design phase budget of \$400,000.

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- Recommended a motion for Drainage Design & Construction to proceed with the detailed design of SESS SW4 & SW5 for an initial design budget of \$500,000, and to continue with the construction of the work and additional designs during construction as necessary, subject to a construction phase budget that has yet to be further approved.
- Recommended the WESS update planning study.

3.0 FIVE YEAR CONSTRUCTION PLAN

The following sections outline the proposed major SSS trunk construction program for the next five years (2014-2018). The proposed program aims to support orderly development throughout the City of Edmonton in a cost effective manner, using the latest population and employment projections available to the City, as well as input from the development industry. It also strives to meet the important objective of maintaining a positive balance for the Fund. The locations of the construction projects are shown in Figure 5 on page 14.

2014 – West Edmonton Sanitary Sewer (WESS) Stage W13

The remaining work is on the connection to the existing sanitary sewer system and is expected to be completed in 2014. Once completed, it will allow future development areas in West Edmonton to be serviced without the need for local wet weather flow storage.

2014 – West Edmonton Sanitary Sewer (WESS) Stage W14

Construction of WESS Stage W14 started in early 2012 and 100% of the tunnel was completed by the end of 2013. The remaining work which includes mainly manhole lining is scheduled to be completed in the summer of 2014.

2014 to 2015 – South Edmonton Sanitary Sewer (SESS) Stage SA1a

Construction of this 2.3 km long sanitary sewer, comprising of both the TBM tunnel and micro tunneling sections, is expected to start in 2014 and be completed by 2015. Drainage Services' in-house crew will undertake the 1 km long TBM tunnel construction while a contractor will be solicited for the remaining 1.2 km of pipe installation work. The updated total project cost is \$27.5 M. Construction

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completion is scheduled by the summer of 2015.

2014 to 2015 – South Edmonton Sanitary Sewer (SESS) Stage SA10a

This section of SESS will be constructed along 34 Street south of 76 Avenue. It will provide sanitary servicing and wet weather storage to the early stages of development in the Maple Ridge Industrial Area. The project will include a pump station at 76 Avenue and 34 Street, with an interim discharge to the existing 74 Avenue sanitary sewer. Preliminary/detailed design work started in 2012 and is 95% completed. The land acquisition process for the property housing the future pump station is at subdivision stage. The construction is on hold subject to either the service agreement signed by the developers or neighborhood design drawings circulated in the City and SSSF committee's approval.

2014 to 2018 – South Edmonton Sanitary Sewer (SESS) Stages SW4 & SW5

This portion of SESS, a westerly extension of the existing SW tunnel, will be constructed south of Anthony Henday Drive from 141 Street to 156 Street for Stage SW4 and from 156 Street to 170 Street for Stage SW5. These two stages will service additional development in the Windermere area. The total length for the proposed 2,920 mm diameter tunnel is 3.4 km long. Construction is expected to commence in 2015 for both stages and be completed by 2018. Design will start in 2014.

2014 to 2016 – North Edmonton Sanitary Trunk (NEST) Stage NC1 PS1 & FM

This stage is to construct a new pump station for the NC1 storage tunnel with a 2.7 km long force main discharging to the downstream NEST section NL1. This new system will provide a higher capacity outlet for NC1 and allow the additional storage demand from the future development growth in the NC1 service area to be accommodated in the downstream NEST section. This will serve as a long-term interim system until Stages NC2 and NC3 sections are built. Design for this stage

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will start in 2014 while construction will take place in 2015.

2014 – WESS Functional Plan Review

The WESS Functional Plan review will be carried out in 2014 to ensure that implementation schedules can accommodate the latest growth projections in the WESS basin, as well as to ensure sustainability of the Fund.

2015 – North Edmonton Sanitary Trunk (NEST) Stage N1 RTC

The N1 RTC gate is scheduled to be installed at 153 Avenue and Manning Freeway location in 2015. Installation of the RTC gates is required when flows from the 66 Street North Tunnel and from NL1 are coming. There is a need to study the pump decommissioning plan at NL1 before diverting the flow to the NEST tunnel.

2017 to 2018 - West Edmonton Sanitary Sewer (WESS) Stage W3, W4 & W5

These segments when connected together would ultimately increase the conveyance capacity of the sewer network from West Edmonton, through downtown and to the Gold Bar Waste Water Treatment Plant (GBWWTP). Construction of a 2340 mm, 2.6 km long tunnel along 142 Street to 125 Street is currently scheduled to begin in 2017.

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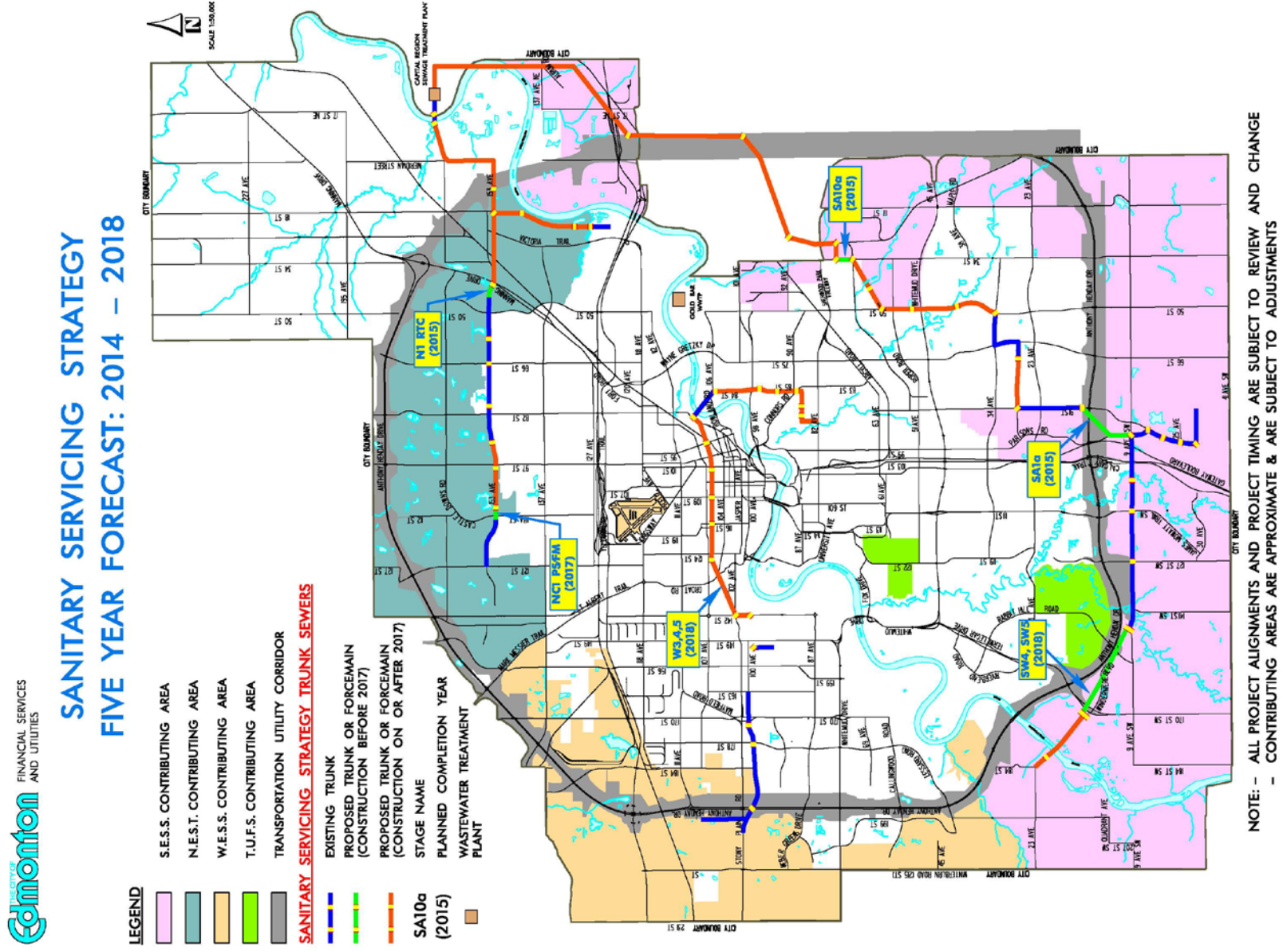


Figure 5

4.0 FUND BALANCE

4.1 TWENTY YEAR HISTORY & PROJECTION

The SSSF Financial Model was updated in 2013 to reflect the updated estimated project cost as a result of the completed functionality plan review of the NEST and the SESS. Some major cost increases and adjusted construction schedules have been identified for projects that will be constructed within the next 5 years (2014-2018). The latest cash flow projection shows that fund balance will drop significantly within the next three years (2015-2017) and will be in a negative position for two years (2016-2017) due to some high cost projects such as SESS SA1a and SESS SW4/SW5. However, the Fund Balance will remain in a positive position throughout the next three years after, due to slow down of projects that need to start and/or be completed during this period. Figure 6 on page 16 shows the twenty year fund balance history and projection.

The following general assumptions have been adopted in the Financial Model:

- a) Population projections and employment forecasts were based on the Traffic District level data.
- b) Annual inflation rate used for construction costs is 4.0% for 2013, decreasing to 3.7% in 2014.
- c) Annual interest rate is assumed to be 2.0% - 4.0% during the next 5 years

During the last November 2013 SSSF Joint Committee meeting, updates on the latest fund balance were presented to the committee and a concern for a healthy fund balance had been brought up. The Committee recommended a current rate analysis for each drainage basin to determine how the current assessment rate compares to the actual cost spent to construct the existing system. An annual update of the future project costs is required.

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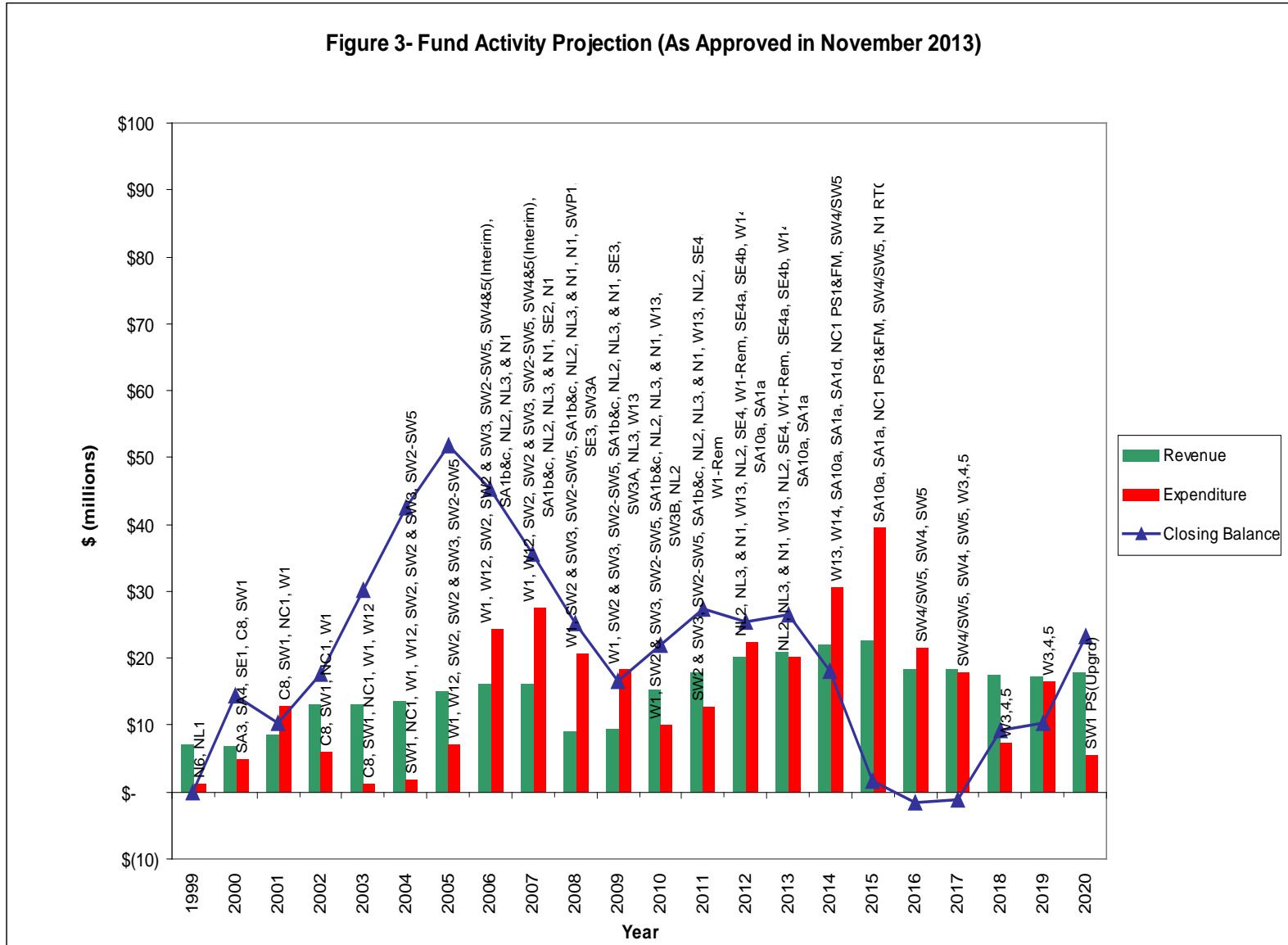


Figure 6

4.2 FIVE YEAR PROJECTION

Table 1 on page 19 shows the five-year revenues and expenditures projection (2014-2018) for the Fund based on the latest information available.

REVENUES

Opening Balance for 2014 – The SSSF cash balance as of December 31, 2013 is \$26.4 M.

Interest (2014-2018) – Interest rates used varied from 2.0% to 4.0% per annum based on the estimated mid-year balance.

Utility Contribution – This amount represents contributions from the Sanitary Utility for diversion of sanitary flows from serviced City lands to the new trunk system constructed under the SSSF. These lands are located in Mill Woods and Castle Down. The amount is calculated based on an estimate of the Sanitary Sewer Trunk Charge (SSTC) these lands would have to pay. Based on results of the lot counts conducted in 2000, the Sanitary Utility would make annual contributions of \$2.6 million to the SSSF until 2014. In March 2006, the City Council approved the recommendation to change the Utility Contribution amount to \$1.3 million for 17 more years commencing on January 1, 2007.

Sanitary Sewer Trunk Charge (SSTC) – The SSTC is collected when an application is made for a development permit or sanitary service connection. This charge applies to all new and re-developments in the City. Rates for 2014 were increased by 3.7% from 2013. The following are the SSTC rates for 2013 and 2014:

| <u>Type of development</u> | <u>2013</u> | <u>2014</u> |
|---------------------------------------|-------------------------|-------------------------|
| Single-family/Duplex Residential | \$1,257/dwelling | \$1,304/dwelling |
| Secondary, garage & garden suite | \$ 556/dwelling | \$ 577/dwelling |
| Multi-family Residential | \$ 898/dwelling | \$ 931/dwelling |
| Commercial, Industrial, Institutional | \$6,287/ha | \$6,520/ha |

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The estimated SSTC revenues from 2014 to 2018 were based on the assumption that residential development activity which started to rebound in 2010 will continue in 2014.

Expansion Assessment (EA) – The EA is an area-based assessment that is collected at the time of subdivision, development permit application, or sanitary service connection application. The EA applies to those areas of the City that did not have an approved Neighborhood Structure Plan (NSP) before January 1, 1999.

The 2014 EA rates were increased by 3.7% from 2013. The 2013 and 2014 rates for EA are as follows:

| <u>Contributing Area</u> | <u>2013</u> | <u>2014</u> |
|---|-------------|-------------|
| North Edmonton Sanitary Trunk (NEST) | \$17,956/ha | \$18,620/ha |
| South Edmonton Sanitary Sewer (SESS) | \$17,956/ha | \$18,620/ha |
| Terwillegar and University Farms (TUFS) | \$17,956/ha | \$18,620/ha |
| West Edmonton Sanitary Sewer (WESS) | \$22,447/ha | \$23,278/ha |

EXPENDITURES

Estimated Construction Costs – Construction cost estimates for the 2014 to 2018 time frame were based on the latest estimated cost and timing as a result of the completion of the functional reviews for NEST and SESS.

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SANITARY SERVICING STRATEGY FUND-5 YEAR PROJECTION

| | 2013 (Actual) | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|----------------------|----------------------|----------------------|-----------------------|-----------------------|---------------------|
| Opening Balance | \$ 25,542,117 | \$ 26,423,774 | \$ 18,295,065 | \$ 1,838,546 | \$ (1,360,861) | \$ (931,208) |
| Interest (Interest earned) | 312,419 | 344,858 | 294,470 | (16,705) | (84,536) | 144,840 |
| Other Revenues (Utility Contribution) | 1,300,000 | 1,300,000 | 1,300,000 | 1,300,000 | 1,300,000 | 1,300,000 |
| Sanitary Sewer Trunk Charge | 11,583,602 | 13,074,376 | 13,175,867 | 9,501,947 | 9,627,262 | 9,984,405 |
| Expansion Assessment | 7,965,727 | 7,879,057 | 8,211,747 | 7,485,779 | 7,484,689 | 6,117,375 |
| Total Receipts (Revenues) | 21,161,748 | 22,598,291 | 22,982,084 | 18,271,021 | 18,327,415 | 17,546,620 |
| Estimated Construction Costs | (19,776,080) | (30,404,807) | (38,938,603) | (20,970,428) | (17,372,762) | (6,632,584) |
| Other Expenditures (Preliminary Costs) | (504,011) | (322,193) | (500,000) | (500,000) | (525,000) | (551,250) |
| Total Disbursements (Expenditures) | (20,280,091) | (30,727,000) | (39,438,603) | (21,470,428) | (17,897,762) | (7,183,834) |
| Closing Reserve Balance | \$ 26,423,774 | \$ 18,295,065 | \$ 1,838,546 | \$ (1,360,861) | \$ (931,208) | \$ 9,431,578 |

Construction Costs (Nominal Dollars)

| | Total 2014 - 2018 | 2014 | 2015 | 2016 | 2017 | 2018 |
|--------------|-----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|
| W13 | 1,000,000 | 1,000,000 | - | - | - | - |
| W14 | 500,000 | 500,000 | - | - | - | - |
| SA10a | 12,576,607 | 8,732,307 | 3,844,300 | - | - | - |
| SA1a | 26,090,000 | 15,700,000 | 10,390,000 | - | - | - |
| SA1d | 3,500,000 | 3,500,000 | - | - | - | - |
| NC1 PS1&FM | 7,253,500 | 500,000 | 6,753,500 | - | - | - |
| SW4/SW5 | 55,009,602 | 472,500 | 17,223,503 | 20,970,428 | 16,343,171 | - |
| N1 RTC | 727,300 | - | 727,300 | - | - | - |
| W3,4,5 | 7,662,175 | - | - | - | 1,029,591 | 6,632,584 |
| Total | \$ 114,319,184 | \$ 30,404,807 | \$ 38,938,603 | \$ 20,970,428 | \$ 17,372,762 | \$ 6,632,584 |

Table 1- Five Year Revenues and Expenditures Projection

4.3 STATEMENT OF FUND ACTIVITIES AND BALANCE

The Statement of Fund Activities and Balance for 2013 are shown on Table 2 on page 22. This table highlights the actual revenues and expenditures for both the 2012 and 2013 years, with emphasis on the 2013's budget and the resulting variances. Figure 7 on page 23 shows each revenue component as a percentage of the total revenues for 2013, while Figure 8 on page 24 indicates the yearly SSSF revenue breakdown. For the historical SSSF expenditures, Figure 9 on page 25 shows the yearly project expenses from when the program started until the current reporting year.

REVENUES

Total revenue for 2013 was \$21.2 M which is slightly higher than the amount \$20.5 M collected in 2012.

- **Sanitary Sewer Trunk Charge (SSTC)** – For 2013, the total SSTC revenue collected was \$11.6 M compared with the 2012 SSTC collection of \$11.5 M. For this year, single-family/duplex developments continue to contribute more than the multi-family developments, with the respective revenues being \$6.9 M versus \$ 3.5 M. This is similar to the situation in 2012 when the single-family/duplex contribution was \$5.8 M versus the multi-family total of \$4.4 M. The remaining 2013 SSTC revenues, \$1.1 M, came from commercial, industrial, and institutional sectors, which is lower than the \$1.2 M collected in 2012.
- ♦ **Expansion Assessment (EA)** - For 2013, the total EA collected was \$7.9 M, slightly up from the \$7.4 M collected in 2012.
- ♦ **Utility Contribution** – Utility contribution in 2013 was \$1.3 M which is same as in the past years.
- ♦ **Interest Earned** – Total interest earned in 2013 was \$0.31 M, almost equal to \$0.32 M earned in 2012.

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EXPENDITURES

The largest single item of expenditure in 2013 was \$11.7 M for the construction of WESS W14. The actual contract amount for WESS W14 was higher than the original budget due to the revised construction methods necessary to the poor ground condition of the site. Another \$4.9 M was spent for the construction of WESS W13, while the rest were spent for the completion of SESS Stages SA1a, SE4a & SE4b, preliminary design works for SA10a, and for the SESS and NEST planning update studies.

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STATEMENT OF FUND ACTIVITIES & BALANCE

*Sanitary Servicing Strategy Fund
For the Period Ending December 31, 2013*

| | 2012 Actual | 2013 Actual | 2013 Budget | 2013 Variance |
|---|--------------------|-------------------|---------------------|-------------------|
| REVENUES | | | | |
| Sanitary sewer trunk charge - single/duplex revenue | 5,789,879 | 6,942,756 | 6,100,000 | 842,756 |
| Sanitary sewer trunk charge - multi family revenue | 4,449,246 | 3,520,757 | 4,250,000 | (729,243) |
| Sanitary sewer trunk charge - commercial/industrial/institutional revenue | 1,205,516 | 1,120,089 | 1,111,340 | 8,749 |
| SSTC (Existing Secondary Suites) | 49,664 | 0 | 0 | - |
| Total SSTC | 11,494,305 | 11,583,602 | 11,461,340 | 122,262 |
| Expansion assessment | 7,428,240 | 7,965,727 | 7,621,628 | 344,099 |
| Sanitary Utility Contribution | 1,300,000 | 1,300,000 | 1,300,000 | - |
| Interest earned | 318,718 | 312,419 | 364,314 | (51,895) |
| Total Revenues | 20,541,263 | 21,161,748 | 20,747,282 | 414,466 |
| EXPENDITURES | | | | |
| NEST Stage NL2 & NL3 | 528,904 | 81,772 | 142,868 | 61,096 |
| WESS W14 | 12,792,962 | 11,728,319 | 20,435,396 | 8,707,077 |
| SESS SE4a125 | 1,867,563 | 506,457 | 881,602 | 375,145 |
| SESS SE4b | 5,780 | 314,979 | 548,823 | 233,844 |
| WESS W1 | 21,175 | 480 | 0 | (480) |
| WESS W13 | 6,471,187 | 4,948,264 | 8,620,883 | 3,672,619 |
| Preliminary | 352,222 | 504,011 | 878,117 | 374,106 |
| SESS SA10a | 219,330 | 480,451 | 838,045 | 357,594 |
| SESS SA1a | 79,198 | 1,715,358 | 2,989,781 | 1,274,423 |
| Total Expenditures | 22,338,321 | 20,280,091 | 35,335,515 | 15,055,424 |
| Excess of Revenues over Expenditures | (1,797,058) | 881,657 | (14,588,233) | 15,469,890 |
| Balance-January 1, 2013 | 27,339,175 | 25,542,117 | 25,542,117 | 0 |
| Balance-December 31, 2013 | 25,542,117 | 26,423,774 | 10,953,884 | 15,469,890 |

Table 2- Statement of Fund Activities and Balance

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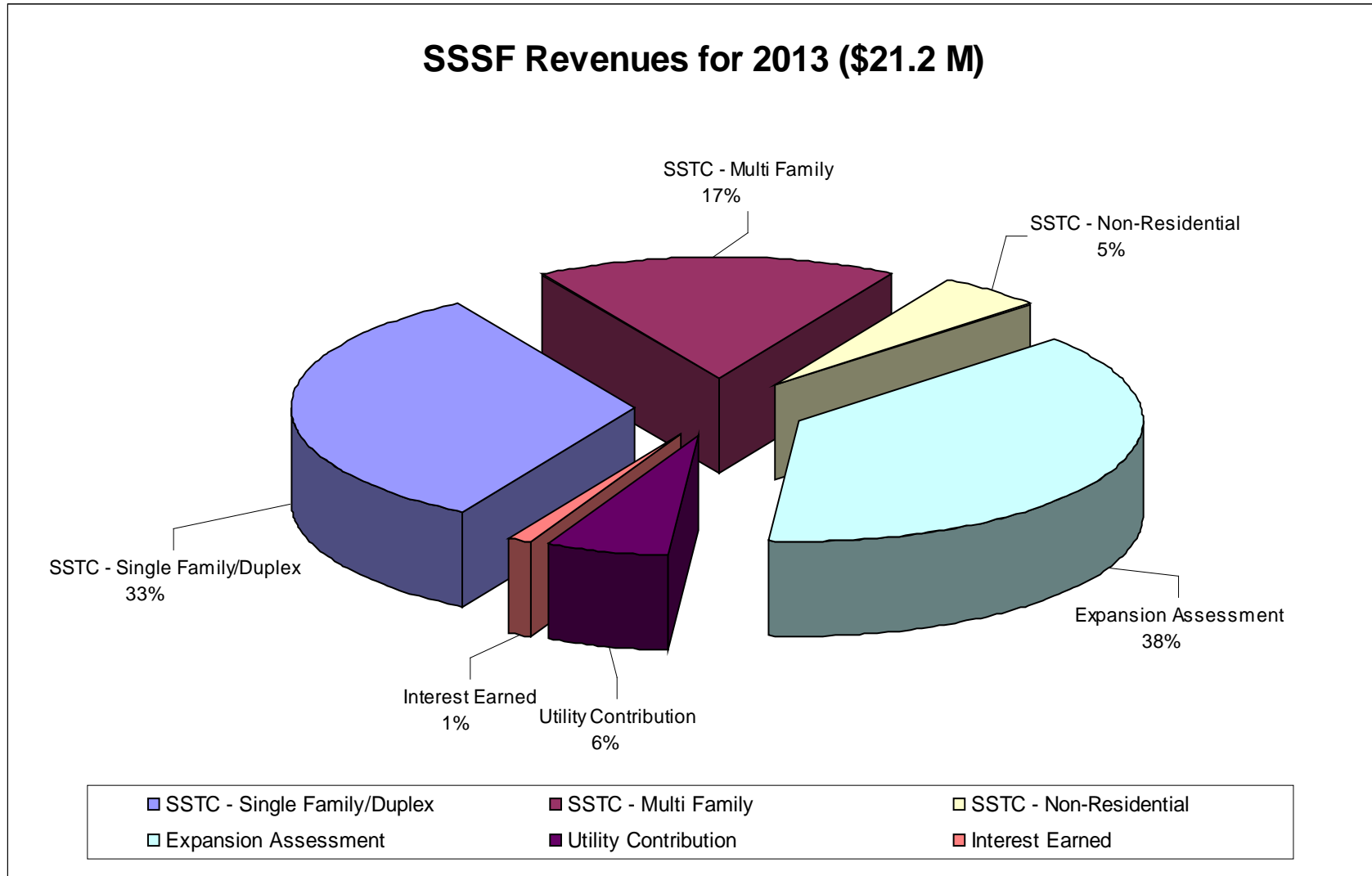


Figure 7

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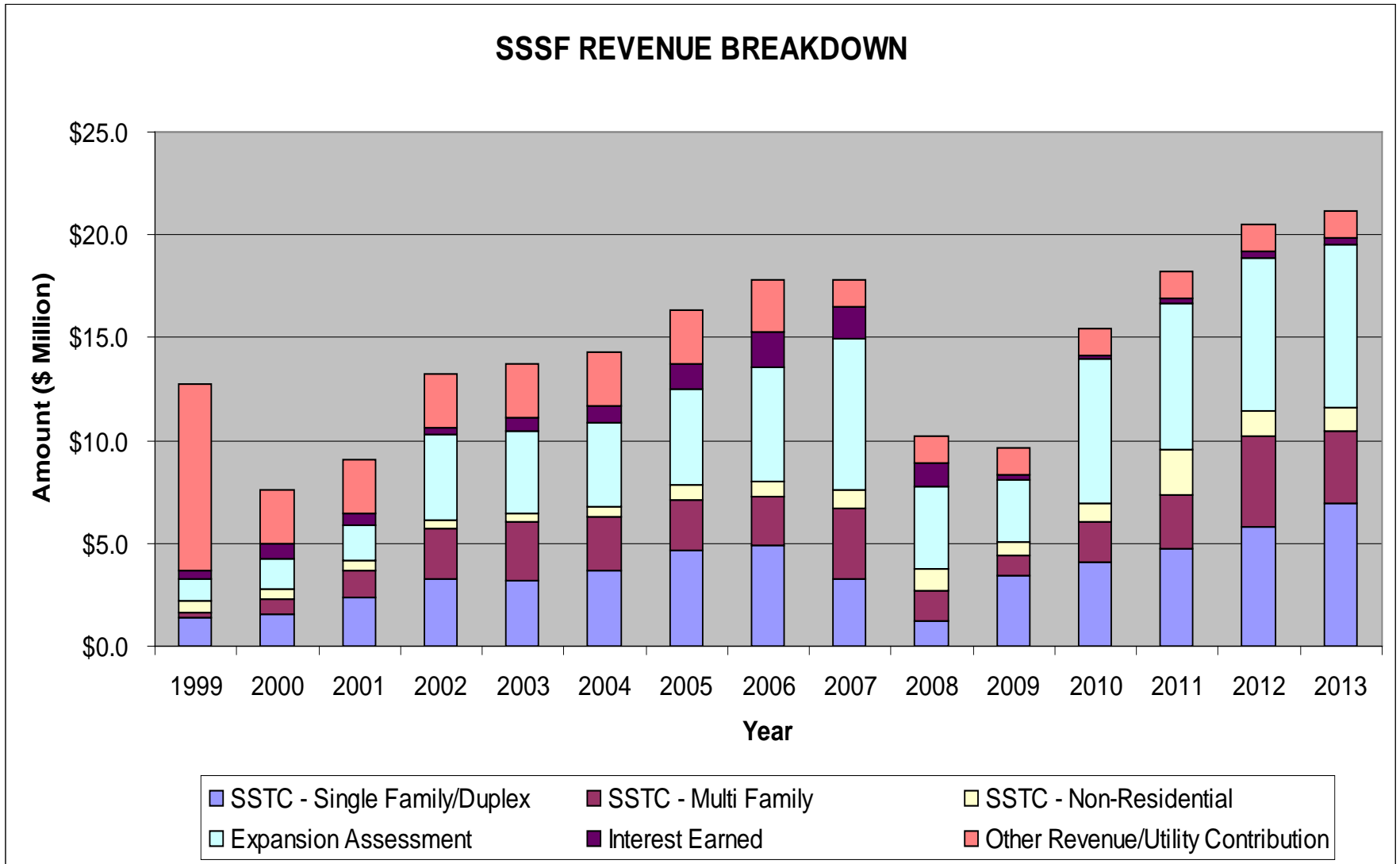


Figure 8

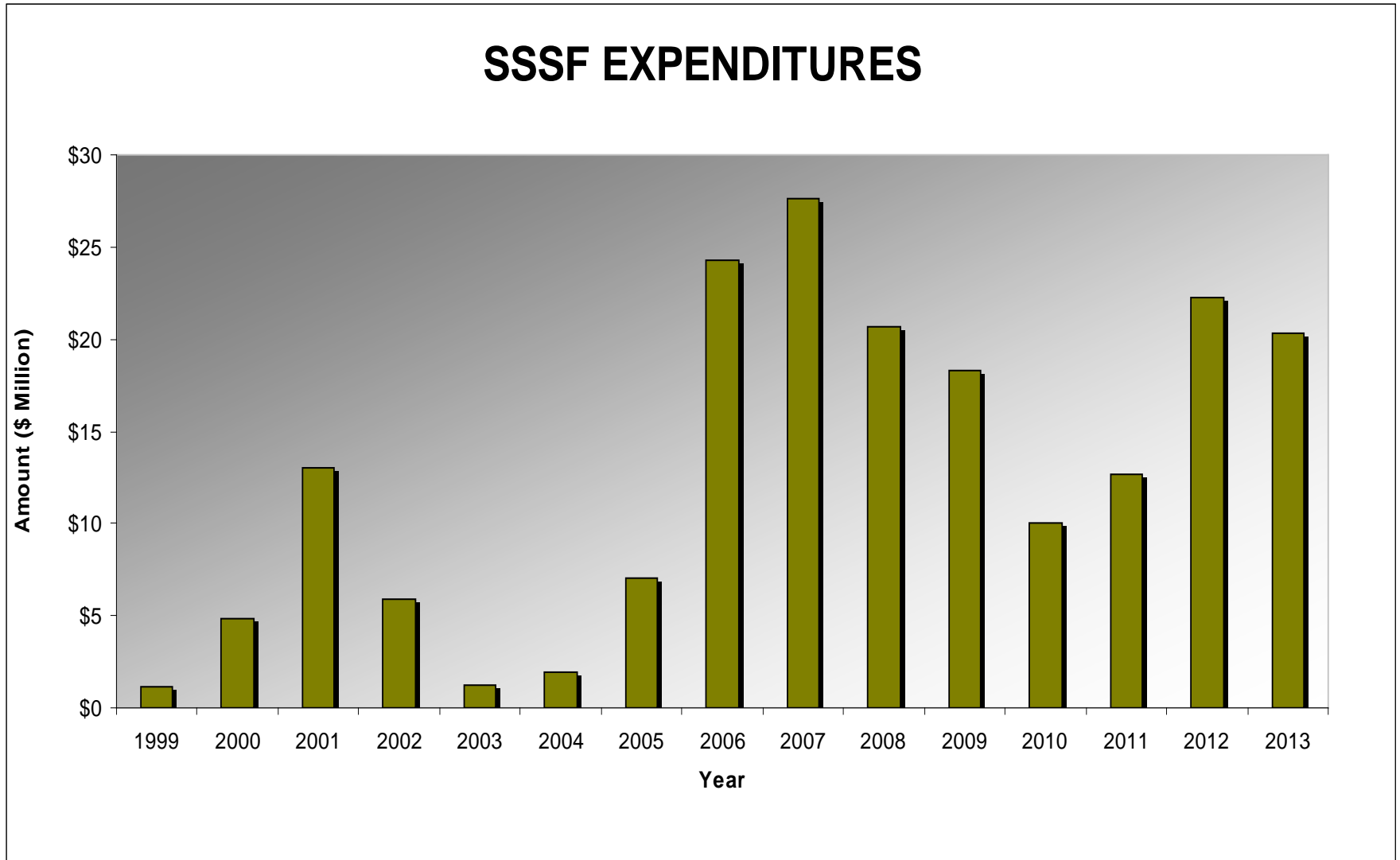


Figure 9

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For more information, please:

Visit our website:

www.edmonton.ca/drainage

Inquiries may also be directed to:

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