

Calgary



Off-site Levy

2016 Annual Report

Contents

Introduction.....	1
Overview.....	2
Total levies Collected and Spent.....	3
Funding Capital Projects.....	4
Development Agreements per Year.....	5
Balance by Department.....	6
Transportation Summary.....	7
Water Resources Summary.....	8
Community Services Summary.....	9
Appendices.....	10

Tables

Table 1: Off-site Levies Balance Collected and Spent.....	2
Table 2: Off-site Levies Balance as per Financial Statement as at 2016 December 31.....	2
Table 3: Off-site Levies Balance from 2015 Off-site Levy Report.....	2
Table 4: Budget Amount versus Actual Amount by Department.....	4
Table 5: Development Agreements by Type and Location.....	5
Table 6: Off-site Levies Balance Details (Internal Transfers) at 2016 December 31.....	6
Table 7: Transportation Balance.....	7
Table 8: Transit Balance (Buses).....	7
Table 9: Transportation Adjusted Fund Balance.....	7
Table 10: Transportation and Transit Reconciliation.....	7
Table 11: Levies Reconciliation - Water Resources and Water Services... ..	8
Table 12: 2016 Collection - Water Resources and Water Services.....	8
Table 13: Levies Balance – Community Services (Emergency Response Facilities, Calgary Public Library and Recreation Facilities Levy).....	9
Table 14: Levies Balance – Community Services (Police).....	9
Table 15: Transportation Projects.....	10
Table 16: Water Resources Projects.....	17
Table 17: Community Services Projects.....	36
Table 18: Transit Bus Projects.....	38
Table 19: Calgary Police Service Projects.....	39

Figures

Figure 1: Total Levies Collected (by department).....	3
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Appendices

Schedule A – Transportation Details.....	10
Schedule B – Water Resources Details.....	17
Schedule C – Community Services Details (Emergency Response Facilities, Calgary Public Library and Recreation Facilities).....	36
Schedule D – Community Services Details (Transit Buses).....	38
Schedule E – Community Services Details (Calgary Police Service).....	39

Introduction

To build great communities, new infrastructure is required within, and often beyond, the community. This need for infrastructure outside the community is necessary to accommodate growth. Developers contribute to these infrastructure costs through the payment of off-site levies and community services charges. The levy rates are determined by identifying the required infrastructure and generating an associated cost estimate, identifying the percentage of benefit attributable to new development and dividing that amount by the area of land to be developed, or the population base that will benefit from the infrastructure.

The Municipal Government Act permits municipalities to charge off-site levies to developers. These levies are Council-approved and are meant to cover the cost of new or expanded road, water, sanitary and storm infrastructure, and the land required for this infrastructure to serve the community. Developers also contribute to the funding of other infrastructure for community services that is necessary to accommodate growth including recreation facilities, libraries, transit buses, emergency response facilities and police stations.

The City of Calgary's Annual Off-site Levy Report provides details on the off-site levies and community services charges collected and spent, in accordance with Section 9 of the Provincial Off-site Levies Regulation. The 2016 Off-site Levy balance will be used over the short term to fund capital infrastructure investment projects that align with Council priorities.

In 2016 January 11, Council unanimously approved the Off-site Levy Bylaw (2M2016) that took effect on 2016 February 1. The methodology shown in the 2016 report is based on the Off-site Levy Bylaw 35M2011 and the community services charges that were approved by City Council in 2011 and were in effect from 2011 – 2015. This Off-site Levy report (C2016-0057) contains additional information compiled for levy reporting for Bylaw 2M2016.

Administration is continuing to work collaboratively with members of the development industry to examine The City's approach to off-site levies and community services charges. There has also been significant collaboration on other development related initiatives that were outlined in the work plan that was approved on 2016 January 11 as part of the Off-site Levy Bylaw report.

The City would like to thank BILD – Calgary Region for their input and review of this report. Also, we would like to thank the following departments, business units, sections and Civic Partners for their contributions: Finance, Water Resources, Law, Transportation, Calgary Fire Department, Recreation, Calgary Transit, Calgary Public Library, Calgary Police Service and Communications.

Throughout this report, the Off-site levies and Community Services Charges will be referred to collectively as either a levy or levies.

The 2017 Off-site Levy Report is anticipated for release in the summer of 2018.

Off-site levy rates are updated annually and posted on Calgary.ca

¹ Section 648 of the Alberta Municipal Government Act

Overview

Building great communities where the citizens of Calgary can live, work and play, is a key goal of The City of Calgary (The City). Off-site levies are one of the tools used to help fund the infrastructure required for these communities. The City is committed to open and transparent governance through Off-site Levy annual reporting on balances and information on levy-funded projects.

Off-site levies are collected under the authority of Section 648 of the Municipal Government Act and are used to fund a portion of the capital costs of infrastructure for transportation, water, sanitary and storm water infrastructure, as well as community services, including emergency response facilities, libraries, recreation facilities, transit buses, and police stations. The report includes summary pages for each of the departments and appendices with project specific details. Due to the nature by which off-site levies are collected (historically over a two year timeframe, and as of 2016 over three years) it often takes The City many years to build up enough resources to support a capital infrastructure project. To help implement projects and in accordance with conditions on funding sources, infrastructure identified in the off-site levies is typically funded using a combination of levy funds and other funding sources. Despite an end of year increase to the balance of the levy funds in 2016, it is important to note that all of the money has been committed to be spent in support of infrastructure projects.

In Table 1 below, the total Off-site levy balance is shown to be \$513,723,859. In the 2016 City Financial Statement Capital Deposits, the Off-site Levy balance is shown as \$402,194,317, however for the purposes of this report this number is adjusted to \$513,723,859 by considering levies paid through internal City of Calgary transfers, levies held in reserve, and the non off-site levy deposit balance. Table 2 shows this reconciliation. Table 3 shows this same balance (\$513,723,859), by starting with the 2015 closing balance (\$363,976,426) and adjusting it by the levies collected and spent in 2016.

Table 1: Off-site Levies Balance Collected and Spent

Opening Balance, Off-site levies @ 2016 January 01	363,976,426
Levies paid by The City (Internal Transfer)	2,100,777
Levies Paid by the Development Industry	202,614,875
Total Levies Collected	204,715,652
Levies Spent in 2016	(119,218,056)
Levies Transferred to Reserve ¹	64,249,837
Ending Balance, Off-site levies @ 2016 December 31	513,723,859

Table 2: Off-site Levies Balance as per Financial Statement as at 2016 December 31

Off-site Levy Year-End Balance as per Financial Statements Capital Deposits (2016 Dec 31)	402,194,317
Off-site Levies paid by City of Calgary Balance (internal transfer balance ²)	43,514,389
Off-site Levy Held in Reserves (Water) Balance @ 2016 Dec 31	85,257,243
Non-Off-site Levy Deposits Balance ³	(17,242,090)
Balance, Off-site levies @ 2016 December 31	513,723,859

Table 3: Off-site Levies Balance from 2015 Off-site Levy Report

Opening Balance 2016 January 1 (All Business Units)	363,976,426
Restatement of Prior Balance (Water) ¹	64,249,837
Add: Levy Collection (All Business Units)	204,715,652
Less: Off-site Levy Expenditures (All Business Units)	(119,218,056)
Balance, Off-site levies @ 2016 December 31	513,723,859

¹ Restatement of prior year Off-site Levy balance to align with the new Off-site Levies (OSL) financial reporting requirements. The 2015 reported OSL balance represented the net of eligible expenses, minus OSL received, as if the funds were drawn from reserves and capital deposits. As a new reporting requirement, the balances held in reserves and capital deposits are shown. See Water Resources Summary section for details.

² City of Calgary Off-site levies (internal transactions) are eliminated during the financial statement consolidation. For the purposes of Off-site levies reporting, these adjustments are added back. These levies represent charges incurred by City of Calgary development

³ These include funds from the Centre-City Levy and South Foothills Special Assessment.

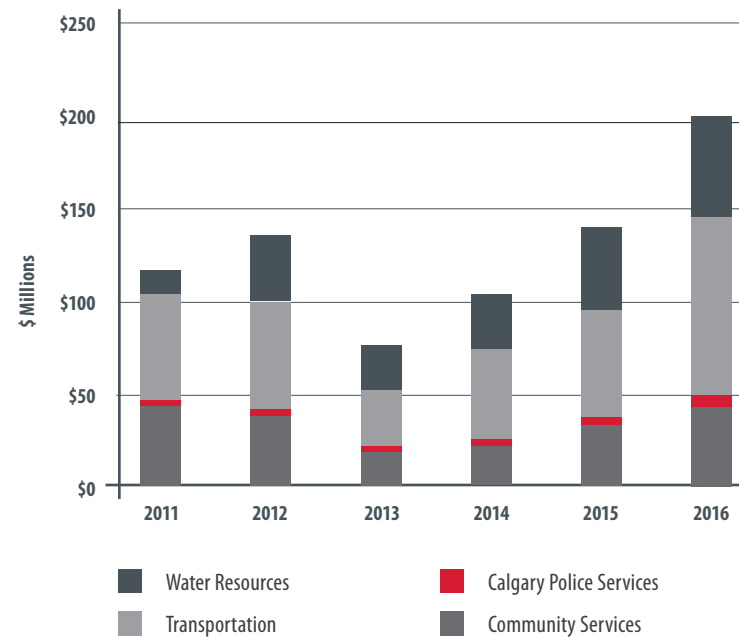
Total levies collected and spent

In 2016, the total amount of levies collected was \$204,715,652. The City spent \$119,218,056 on capital projects and \$64,249,837 was put into a Water reserve fund to be spent in future years. The total amount collected is a combination of funds received from the development industry and from The City for lands owned and developed by the municipality. The amount owing is determined either at subdivision approval, as part of a development agreement, or at development permit approval. Figure 1 shows the amount collected through subdivision and development permit approval from 2011 to 2016. See Table 1 on page 2 for more details.

In the 2016 Off-site Levy Bylaw (2M2016), the payment period changed from two years to three years from the signing of the agreement date. This meant that the payment of levies is spread across three years, instead of two. It also highlights that the 2016 balance is, in part, comprised of levies from projects initiated in 2014 and 2015 when The City executed more Development Agreements than in 2016.

For the first time in 2016, a levy for treatment plants was implemented for Established Areas. For a development permit, the amount owing is calculated at submission, and is to be paid prior to release of the development completion permit. Therefore, the total levies collected is a blend of funds received for development agreements approved from 2013 to 2015 and development permits in 2016. Figure 1 shows the breakdown of levies collected for each department.

Figure 1: Total Levies Collected (by department)



Funding capital projects

The use of levy funds for capital infrastructure is challenging because the timing of levy collection does not match with when the infrastructure is required. However, this challenge is also an opportunity since The City has various funding sources available to pay for capital infrastructure related to growth. These funding sources include Off-site levies, property taxes, utility rates and grants. Each source has benefits and drawbacks that need to be considered during the capital budgeting process. For these reasons, The City may fund the levy portion of the infrastructure cost from other funding sources, which results, for a limited time, in an outstanding balance of levy funds. These balances are drawn down as projects progress and other funding sources are exhausted. The benefit of using alternate funding sources to pay for capital infrastructure is that more projects are able to move ahead that may not have been realized if levies were the only source of funding. This is demonstrated in Table 4, where the spent amount for levies is lower than what has been budgeted.

Keeping an account of what is budgeted and what is spent is important for the calculation of the levy and is a requirement of the Municipal Government Act, Off-site Levies Regulations. Further explanation of the levy calculation and the carry forward of levy fund balance methodology is detailed in the 2M2016 Off-site Levy Bylaw Schedule C.

Table 4: Budget Amount versus Actual Amount by Department

	Budgeted Amount (from the beginning of the projects to the end of the projects: Actual + Estimated)	Budgeted Amount (from the beginning of the project to the end of the project: Actual + Estimated)	Actual Amount (from the beginning of the project up to Dec 31 2016)	Actual Amount (from the beginning of the project up to Dec 31 2016)
	City Portion of the Budget	Off-site Levy Portion of Budget (\$)	City Contribution to Date (\$)	Off-site Levy contribution to Date (\$)
Community Services	524,221,295	158,195,961	211,924,484	92,796,613
Transportation	2,485,107,000	612,630,000	1,984,369,000	310,137,000
Water Resources	3,208,067,769	2,394,012,396	1,035,039,554	191,318,611
Police	-	50,000,000	-	-
City Portion	6,217,396,064		3,231,333,038	
Off-site Levy Portion		3,214,838,357		594,252,223
Total		9,432,234,421		3,825,585,262

Development agreements per year

Development agreements and development permits are tracked to understand where development is happening and where levies have been assessed and collected.

In 2016, development agreements were executed for 119 hectares of development as shown in Table 5. This was a significant decrease in the number of hectares in agreements relative to 2015 when 788 hectares were the subject of development agreements. There are multiple reasons for a drop in development agreements in 2016, including impacts from bylaw changes, levy increases, and the economic downturn. It is assumed that a large portion of development agreements expected for 2016 were submitted at the end of 2015 as developers took advantage of the lower 2015 levy rates. Additionally, the economy in the Calgary region remained weak during 2016, and as development is tied to economic growth, the number of developable hectares and associated revenues were negatively affected. New in 2016 was the introduction of the Established Area levy, which helps to recover capital costs impacts on water/wastewater treatment plants from redevelopment projects. Table 5 shows the annual volume of development agreement areas, the breakdown of levies received by type of development (industrial, commercial and residential), and the breakdown by location (greenfield and established areas).

Table 5: Development Agreements by Type and Location

Type of Development	2011	2012	2013	2014	2015	2016
Residential (ha)	279	213	212	243	567	107
Commercial (ha)	100	0	0	81	49	12
Industrial (ha)	86	62	39	76	172	0
Total (ha)	465	275	251	400	788	119

Location of Development ¹	2016
Greenfield Area (12 Development Agreements) in hectares	78
Established Area (8 Development Agreements) in hectares	41
Total (ha)	119

¹ The differentiation in levies between Greenfield and Established areas was initiated with the 2016 Off-site Levy Bylaw, and this will be tracked annually starting with the 2016 report.

Balance by department

On 2016 December 31, the levy balance was \$513,723,859. This balance was calculated using the balance shown in The City's 2016 Annual Report¹, which is \$402,194,317 and was adjusted to determine the actual amount of levies available for infrastructure invested (as outlined in the Off-site Levy Bylaw 2M2016). The adjustment is done in three parts. (1) When City of Calgary business units construct facilities, off-site levies are assessed which are transferred internally from one department to another; these internal transfers are added to the levies balance. (2) The City's financial report also includes deposits that are not part of the defined terms of the off-site levy bylaw, therefore are subtracted from the levy balance. (3) This subtracted amount is \$17,242,090 and includes funds from the Centre City Levy program and local improvement bylaws. The result is the total balance of \$513,723,859 as of 2016 December 31. The off-site levies internal transfer balance detail are shown in Table 6.

¹ The City of Calgary 2016 Annual Report can be found on Calgary.ca. Refer to part Notes to Financial Statements, Section 11 Capital Deposits.

Table 6: Off-site Levies Balance Details (Internal Transfers) at 2016 December 31

Levy Component	Off-site Levies Balance, The City of Calgary 2016 Annual Report	Off-site Levies paid by The City of Calgary	Off-site levies held in Sustainment Reserves	Off-site Levies paid by City of Calgary held in Sustainment Reserves	Non-developer Deposits	2016 December 31 Levies Balance
Transportation and Transit Buses	220,915,613	21,941,838			(11,593,554)	231,263,608
Water Resources	1,381,899	6,545,198	84,520,644	736,599	(3,134,960)	90,049,380
Community Services	151,374,556	12,564,216			(2,270,732)	161,668,040
Calgary Police Service	28,522,249	2,463,137			(242,844)	30,742,542
Total	402,194,317	43,514,389	84,520,644	736,599	(17,242,090)	513,723,859

Transportation summary

The transportation component of the levies is directed towards infrastructure projects identified in the Calgary Transportation Plan that are required to support growth over the next 60 years. The amounts collected in 2016 for Transportation and Transit, as shown in Tables 7 and 8, were \$86,268,410 and \$3,976,000 respectively. Over the period 2011 – 2016, The City advanced \$159,495,610 from non-levy funding sources to pay for various levy eligible projects (shown in Table 9). This amount was in addition to The City's allocation under the bylaw, resulting in a positive variance of \$159,495,610. The cumulative balance for Transportation and Transit is \$231,264,000, as shown in the reconciliation in Table 10. The fund balance remains committed to projects in accordance with Investing in Mobility, the 10-year Transportation Infrastructure Investment Plan. More detail can be found in Schedule A – Transportation Details.

Table 7: Transportation Balance

Opening Balance, Off-site levies @ 2016 January 01		172,538,000
Total Levies Collected	86,268,410	
Levies Spent in 2016	(50,849,000)	
Investment Income	4,111,000	
2016 Levies Collected and Spent	39,530,410	
Cumulative Balance of Levies	212,068,410	

Table 8: Transit Balance (Buses)

Opening Balance, Off-site levies @ 2016 January 01		17,245,000
Total Levies Collected	3,976,000	
Levies Spent in 2016	(2,412,000)	
Investment Income	386,000	
2016 Levies Collected and Spent	1,950,000	
Cumulative Balance of Levies	19,195,198	

Table 9: Transportation Adjusted Fund Balance

Total Fund Balance Dec 2016	Total Potential OSL (2016)	Total OSL Spent (2011-2016)	City Advanced in Place of OSL (2011-2016)	Adjusted fund Balance
212,068,410	465,876,610	306,381,000	(159,495,610)	52,572,800

Table 10: Transportation and Transit Reconciliation

Transportation Levy		Balance
Balance Forward	2016 Jan 01	172,538,000
Levies Collected	2016	86,268,410
Investment Income	2016	4,111,000
Actual Levies Spent	2016	(50,849,000)
Total Transportation Levy		212,068,410

Community Service Charge (Buses)

Balance Forward	2016 Jan 01	17,245,198
Levies Collected	2016	3,976,000
Investment Income	2016	386,000
Actual Levies Spent	2016	(2,412,000)
Total Community Service Charge (Buses)		19,195,000
Balance, Off-site levies		231,263,608

Water Resources Summary

Levies collected through the water, wastewater and storm water components of the bylaw support projects in the Water Resources and Water Services capital spending plan. As shown in Table 11, the Off-site Levy Balance at the end of 2015, the reported Off-site levy balance was \$2,408,975 and restated this year by \$64,249,837 to better align with the current reporting requirements. The total amount of levies collected in 2016 was \$62,633,698 as shown in Table 11. A total of \$38,952,095 of the levy pool was used to fund capital projects. The remaining balance of \$90,049,380 is committed to offset outstanding debt obligations related to the financing of current growth infrastructure, as well as to enable future infrastructure.

New in 2016, an Established Area Levy was introduced to cover infrastructure costs for water and wastewater treatment plant investment to support growth. This levy is also called the Treatment Plant Levy. This levy, which is applied through the Development Permit (DP) and Development Completion Permit (DCP) processes, was not applied to any DPs that were submitted prior to 2016 February 01, and was phased in at one-third of the full levy cost for the remainder of the year. The total amounts received were \$176,010, which were impacted by the phase-in stipulations and continued slower economic growth. In 2016, payments were received on 91 development permits in the established area.

As part of the Established Area levy, a maximum levy rate was added in order to incentivize high density residential and commercial development in the established areas. Developments that are at a density above 285 equivalent persons per hectare will pay a maximum rate of 285 equivalent people per hectare; meaning any development above this density would not be part of the calculation. In 2016, none of the approved DP applications

exceeded the maximum rate. This was likely due to a lack of major projects starting and finishing the DP review during the February 01 to December 31 period.

Details of specific projects are shown in Schedule B – Water Resources Details.

Table 11: Levies Reconciliation – Water Resources and Water Services

Storm, Water and Sanitary Sewer Levies		Balance
Opening Balance	2016 Jan 01	2,408,975
Restatement of Prior Year Balance ¹		64,249,837
Levies Collected	2016	62,633,698
Adjustment of prior year ²	2016	(291,035)
Capital Expenditures	2016	(38,952,095)
Storm, Water and Sanitary Sewer Levies Balance		90,049,380

¹ Starting January 1, 2016 levies billed for Water, Sanitary Sewer and Storm are recorded under the Sustainment Reserve account.

² Refund for prior year agreements.

Table 12: 2016 Collection – Water Resources and Water Services

Greenfield	
Treatment Plant	
Water	4,949,153
Wastewater	21,522,775
Water Distribution	13,757,652
Wastewater Collection	12,886,642
Storm Sewer	9,341,466
Total Greenfield Areas	62,457,688
Established Area- Development Permit	
Treatment Plants	
Water	31,682
Wastewater	144,328
City Density Incentive Program	
Water	0
Wastewater	0
Total Established Areas	176,010
Total 2016 Collections	62,633,698

Community Services Summary

The charges collected for community services support the capital cost of new emergency response facilities, libraries, recreation facilities, transit buses and police stations. Details of the transit summary are included in the transportation section.

The funds for the Calgary Police Service (CPS) component of the community services charge support a portion of the capital cost of new police stations. Transit buses support service in new communities. Details on how the charge for community services was calculated are shown in the Off-site Levy Bylaw 2M2016 Schedule C Background Study. The charge was calculated using the projected population growth; then, the amount of infrastructure required to serve this population was determined.

A total of \$46,160,527 was collected for community services in 2016, bringing the overall balance to \$161,668,041. These resources will help fund projects for 2017 and beyond. The Calgary Police Service has been allocating the funds to a reserve to pay for future planned police stations. The cost of the police station will include building construction and land purchases. Schedule C, D and E – Community Services Details shows project specific information.

Table 13: Levies Balance - Community Services (Emergency Response Facilities, Calgary Public Library and Recreation Facilities Levy)

	2010	2011	2012	2013	2014	2015	2016
Collected Levies		35,589,299	32,240,686	18,144,687	22,814,875	28,629,345	46,160,527
Actual Levies Spent	601,559	123,828	5,606,063	15,203,868	10,711,286	29,048,218	31,501,792
Remaining Levies		35,465,472	26,634,623	2,940,820	12,103,589	(418,873)	14,658,735
Cumulative Balance of Levies	70,283,675	105,749,147	132,383,770	135,324,590	147,428,179	147,009,306	161,668,041

Table 14: Levies Balance - Community Services (Police)

	2010	2011	2012	2013	2014	2015	2016
Collected Levies		4,171,469	4,020,979	2,333,520	2,956,342	3,707,994	5,968,124
Actual Levies Spent		-	-	-			
Remaining Levies		4,171,469	4,020,979	2,333,520	2,956,342	3,707,994	5,968,124
Cumulative Balance of Levies	7,584,113	11,755,582	15,776,561	18,110,081	21,066,423	24,774,417	30,742,542

Appendices

Schedule A

Transportation Details

Table 15 shows the detailed projects and amounts of Off-site levies spent. For Transportation, the levies spent consist of funds from three different levy bylaws (2006-2010, 2011-2015 and 2016) as shown in the legend for Table 15. It is important to outline which

bylaw the funds are from, as the levies collected from various years have different conditions on how the money can be spent and on what it can be spent. The funds from 2000 to 2005 bylaw are completely spent and 2006 to 2010 are now almost completely

spent. The transportation department also receives an investment income on the levies balance. This income is credited back to the levies balance and that balance is used on future projects.

Table 15 Transportation Projects

City Department	Program Project#	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete -City/Other Funding (\$)	City Cost to Complete Total (\$)
Roads	128-885	Bridge Rehabilitation and Protection w(multiple projects 2011 to 2013)	2011 to 2013	N (complete-identified on prior levy)	26,717,000	26,202,000	26,202,000	-	515,000	515,000	-	-	26,717,000	76%	20,304,920	(19,789,920)	24,026,000	2,176,000	26,202,000	-	-	-
Roads	129-204	Development of Access Roads (multiple projects 2011 to 2013)	2011 to 2013	N (complete-identified on prior levy)	19,090,000	4,564,000	4,564,000	-	14,526,000	14,526,000	-	-	19,090,000	76%	14,508,400	17,600	-	4,564,000	4,564,000	-	-	-

Legend

- 2006 to 2010
- 2011 to 2015
- 2006 to 2010 and 2011 to 2015

Table 15 Transportation Projects (continued)

City Department	Program Project#	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete -City/Other Funding (\$)	City Cost to Complete Total (\$)
Roads	129-175	Intersection Upgrades - Sherrif King	2014 to 2015	N (complete-identified on prior levy)	8,423,000	-	-	-	8,423,000	8,423,000	-	-	8,423,000	76%	6,401,480	2,021,520	-	-	-	-	-	-
Transportation Infrastructure	142-000	Top Lift Paving - Various Locations (2011 to 2013)	2011 to 2013	N (complete-identified on prior levy)	2,378,000	2,362,000	2,362,000	-	16,000	16,000	-	-	2,378,000	76%	1,807,280	(1,791,280)	2,362,000	-	2,362,000	-	-	-
Transportation Infrastructure	142-000	Top Lift Paving - Various Locations (2014 to 2018)	2014 to 2015	N (complete-identified on prior levy)	3,271,000	2,269,000	2,269,000	-	1,002,000	1,002,000	-	-	3,271,000	76%	2,485,960	(1,483,960)	2,269,000	-	2,269,000	-	-	-
Transportation Infrastructure	162-003	Beddington Tr: DFT - CHB	2005 to 2014	N (complete-identified on prior levy)	13,428,000	18,000	18,000	-	13,410,000	13,410,000	-	-	13,428,000	17%	2,282,760	11,127,240	-	18,000	18,000	-	-	-
Transportation Infrastructure	211-002	ShaganapiTr:EdgemntBy_CHB	2005 to 2013	N (complete-identified on prior levy)	25,874,000	6,065,000	6,065,000	-	19,809,000	19,809,000	-	-	25,874,000	17%	4,398,580	15,410,420	6,018,000	47,000	6,065,000	-	-	-
Transportation Infrastructure	221-000	Future Land (2011 to 2013)	2011 to 2013	N (complete-identified on prior levy)	6,034,000	6,034,000	6,034,000	-	-	-	-	-	6,034,000	76%	4,585,840	(4,585,840)	5,261,000	773,000	6,034,000	-	-	-
Transportation Infrastructure	223-000	Pedestrian Overpasses (multiple locations 2011 to 2013)	2011 to 2013	N (complete-identified on prior levy)	9,411,000	9,337,000	9,337,000	-	74,000	74,000	-	-	9,411,000	76%	7,152,360	(7,078,360)	9,124,000	213,000	9,337,000	-	-	-
Transportation Infrastructure	223-000	Pedestrian Overpasses (multiple locations 2014 to 2015)	2014 to 2015	N (complete-identified on prior levy)	14,095,000	14,055,000	14,055,000	-	40,000	40,000	-	-	14,095,000	76%	10,712,200	(10,672,200)	10,959,000	3,096,000	14,055,000	-	-	-

Legend

■ 2006 to 2010

■ 2011 to 2015

■ 2006 to 2010 and 2011 to 2015

Table 15 Transportation Projects (continued)

City Department	Program Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete -City/Other Funding (\$)	City Cost to Complete Total (\$)
Transportation Infrastructure	543-001	Connectors/Improv - Prov Ring Rd Projects (2011 to 2013)	2011 to 2013	N (complete-identified on prior levy)	31,510,000	30,052,000	30,052,000	-	1,458,000	1,458,000	-	-	31,510,000	76%	23,947,600	(22,489,600)	30,018,000	34,000	30,052,000	-	-	-
Transportation Infrastructure	715-C01	Beddington Tr/CHB Interchange	2006 to 2015	N (complete-identified on prior levy)	44,115,000	26,599,000	26,599,000	-	17,516,000	17,516,000	-	-	44,115,000	17%	7,499,550	10,016,450	24,712,000	1,887,000	26,599,000	-	-	-
Transportation Infrastructure	763-001	Metis Tr: Airport Tr - NE Stoney Tr	2007 to 2013	N (complete-identified on prior levy)	58,964,000	-	-	-	58,964,000	58,964,000	-	-	58,964,000	0%	-	58,964,000	-	-	-	-	-	-
Transportation Infrastructure	830-001	NE LRT Extension to Saddleridge	2008 to 2015	N (complete-identified on prior levy)	104,125,000	102,665,000	102,665,000	-	1,460,000	1,460,000	-	-	104,125,000	0%	-	1,460,000	102,665,000	-	102,665,000	-	-	-
Transportation Infrastructure	830-002	Metis Tr/64 Av NE Interchange	2008 to 2015	N (complete-identified on prior levy)	10,866,000	10,785,000	10,785,000	-	81,000	81,000	-	-	10,866,000	76%	8,258,160	(8,177,160)	10,785,000	-	10,785,000	-	-	-
Roads	128-885	Bridge Rehabilitation and Protection (multiple projects 2014 to 2018)	2014 to 2015	N (identified on prior levy)	21,721,000	20,397,000	20,397,000	-	1,324,000	1,324,000	-	-	21,721,000	76%	16,507,960	(15,183,960)	15,697,000	4,700,000	20,397,000	-	-	-
Roads	128-885	Bridge Rehabilitation and Protection (multiple projects 2014 to 2018)	2016 to 2018	N (identified on prior levy)	26,310,000	26,310,000	7,373,000	18,937,000	-	-	-	-	7,373,000	60%	4,423,800	(4,423,800)	6,235,000	1,138,000	7,373,000	17,606,000	1,331,000	18,937,000
Roads	129-204	Development of Access Roads (multiple projects 2014 to 2018)	2014 to 2015	N (identified on prior levy)	10,227,000	5,116,000	5,116,000	-	5,111,000	5,111,000	-	-	10,227,000	76%	7,772,520	(2,661,520)	4,985,000	131,000	5,116,000	-	-	-

Legend

■ 2006 to 2010

■ 2011 to 2015

■ 2006 to 2010 and 2011 to 2015

Table 15 Transportation Projects (continued)

City Department	Program Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete -City/Other Funding (\$)	City Cost to Complete Total (\$)
Roads	129-204	Development of Access Roads (multiple projects 2014 to 2018)	2016 to 2018	N (identified on prior levy)	19,018,000	434,000	434,000	-	18,584,000	6,487,000	12,097,000	6,487,000	6,921,000	60%	4,152,600	2,334,400	-	434,000	434,000	-	-	-
Roads	127-130	New Traffic Signals & Pedestrian Corridors (various location 2014 to 2018)	2014 to 2015	Y	4,060,000	2,854,000	2,854,000	-	1,206,000	1,206,000	-	-	4,060,000	76%	3,085,600	(1,879,600)	2,499,000	355,000	2,854,000	-	-	-
Roads	127-130	New Traffic Signals & Pedestrian Corridors (various location 2014 to 2018)	2016 to 2018	Y	7,542,000	2,648,000	949,000	1,699,000	4,894,000	2,428,000	2,466,000	2,428,000	3,377,000	60%	2,026,200	401,800	703,000	246,000	949,000	1,582,000	117,000	1,699,000
Roads	129-143	Subdivision Construction (various locations 2014 to 2018)	2014 to 2015	N (identified on prior levy)	2,671,000	1,901,000	1,901,000	-	770,000	770,000	-	-	2,671,000	76%	2,029,960	(1,259,960)	1,901,000		1,901,000	-		-
Roads	129-143	Subdivision Construction (various locations 2014 to 2018)	2016 to 2018	N (identified on prior levy)	4,730,000	300,000	206,000	94,000	4,430,000	679,000	3,751,000	679,000	885,000	60%	531,000	148,000	206,000		206,000	94,000		94,000
Transportation Infrastructure	149-001	Glenmore Tr Widening (Crowchild Tr to 37 St SW)	2013 to 2015	Y	1,351,000	818,000	818,000	-	533,000	533,000	-	-	1,351,000	17%	229,670	303,330	812,000	6,000	818,000			-
Transportation Infrastructure	149-001	Glenmore Tr Widening (Crowchild Tr to 37 St SW)	2016 to 2017	Y	40,000	-	-	-	40,000	-	40,000	-	-	15%	-	-	-	-	-			-
Transportation Infrastructure	150-001	McKnight Widening (12-19 St NE)	2014 to 2015	N (identified on prior levy)	3,358,000	3,117,000	3,117,000	-	241,000	241,000	-	-	3,358,000	17%	570,860	(329,860)	3,117,000		3,117,000	-	-	-
Transportation Infrastructure	150-001	McKnight Widening (12-19 St NE)	2016 to 2017	N (identified on prior levy)	13,692,000	8,138,000	8,138,000	-	5,554,000	4,988,000	566,000	4,988,000	13,126,000	15%	1,968,900	3,019,100	8,133,000	5,000	8,138,000	-	-	-
Transportation Infrastructure	151-001	Glenmore/Ogden Interchange	2014 to 2015	Y	20,739,000	16,873,000	16,873,000	-	3,866,000	3,866,000	-	-	20,739,000	17%	3,525,630	340,370	15,646,000	1,227,000	16,873,000			-

Legend

- 2006 to 2010
- 2011 to 2015
- 2006 to 2010 and 2011 to 2015

Table 15 Transportation Projects (continued)

City Department	Program Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete -City/Other Funding (\$)	City Cost to Complete Total (\$)
Transportation Infrastructure	151-001	Glenmore/Ogden Interchange	2016 to 2019	Y	68,397,000	52,454,000	27,418,000	25,036,000	15,943,000	9,993,000	5,950,000	9,993,000	37,411,000	15%	5,611,650	4,381,350	25,918,000	1,500,000	27,418,000	25,036,000	-	25,036,000
Transportation Infrastructure	221-000	Future Land (2014 to 2018)	2014 to 2015	Y	5,211,000	296,000	296,000	-	4,915,000	4,915,000	-	-	5,211,000	76%	3,960,360	954,640	7,000	289,000	296,000	-	-	-
Transportation Infrastructure	221-000	Future Land (2014 to 2018)	2016 to 2019	Y	68,592,000	16,435,000	135,000	16,300,000	52,157,000	1,566,000	50,591,000	1,566,000	1,701,000	60%	1,020,600	545,400	11,000	124,000	135,000	12,438,000	3,862,000	16,300,000
Transportation Infrastructure	236-002	52 St E: Glenmore Tr - 130 Av S	2004 to 2015	Y	112,633,000	107,901,000	107,901,000	-	4,732,000	4,732,000	-	-	112,633,000	17%	19,147,610	(14,415,610)	98,830,000	9,071,000	107,901,000	-	-	-
Transportation Infrastructure	236-002	52 St E: Glenmore Tr - 130 Av S	2016 to 2016	Y	114,000	114,000	114,000	-	-	-	-	-	114,000	15%	17,100	(17,100)	-	114,000	114,000	-	-	-
Transportation Infrastructure	543-001	Connectors/Improv - Prov Ring Rd Projects (2014 to 2018)	2014 to 2015	Y	17,841,000	13,227,000	13,227,000	-	4,614,000	4,614,000	-	-	17,841,000	76%	13,559,160	(8,945,160)	12,978,000	249,000	13,227,000	-	-	-
Transportation Infrastructure	543-001	Connectors/Improv - Prov Ring Rd Projects (2014 to 2018)	2016 to 2018	Y	40,522,000	12,662,000	8,137,000	4,525,000	27,860,000	8,851,000	19,009,000	8,851,000	16,988,000	60%	10,192,800	(1,341,800)	7,417,000	720,000	8,137,000	2,463,000	2,062,000	4,525,000
Transportation Infrastructure	555-001	Deerfoot & 212 Ave Ramps	2017 to 2018	Y	39,000,000	26,000,000	-	26,000,000	13,000,000	-	13,000,000	-	-	60%	-	-	-	-	-	13,000,000	13,000,000	26,000,000
Transportation Infrastructure	558-001	44 St Expressway: 64 Av - 80 Av NE	2005 to 2015	N (identified on prior levy)	48,906,000	37,182,000	37,182,000	-	11,724,000	11,724,000	-	-	48,906,000	76%	37,168,560	(25,444,560)	37,150,000	32,000	37,182,000	-	-	-
Transportation Infrastructure	558-001	44 St Expressway: 64 Av - 80 Av NE	2016 to 2019	N (identified on prior levy)	1,679,000	465,000	465,000	-	1,214,000	1,090,000	124,000	1,090,000	1,555,000	60%	933,000	157,000	465,000	-	465,000	-	-	-
Transportation Infrastructure	566-001	RouteAhead Rapid CT Corr. (eliminating Green Trip funding)	2015	Y	2,665,000	2,665,000	2,665,000	-	-	-	-	-	2,665,000	17%	453,050	(453,050)	2,626,000	39,000	2,665,000	-	-	-
Transportation Infrastructure	566-001	RouteAhead Rapid CT Corr. (eliminating Green Trip funding)	2016 to 2019	Y	139,085,000	139,085,000	4,064,000	135,021,000	-	-	-	-	4,064,000	15%	609,600	(609,600)	3,540,000	524,000	4,064,000	133,249,000	1,772,000	135,021,000
Transportation Infrastructure	567-001	61 Av&MacLeod Tr SW Ped O/P (only)	2015	Y	669,000	669,000	669,000	-	-	-	-	-	669,000	17%	113,730	(113,730)	635,000	34,000	669,000	-	-	-

Legend

■ 2006 to 2010

■ 2011 to 2015

■ 2006 to 2010 and 2011 to 2015

Table 15 Transportation Projects (continued)

City Department	Program Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete -City/Other Funding (\$)	City Cost to Complete Total (\$)
Transportation Infrastructure	567-001	61 Av&MacLeod Tr SW Ped O/P (only)	2016 to 2018	Y	10,431,000	10,431,000	1,318,000	9,113,000	-	-	-	-	1,318,000	15%	197,700	(197,700)	970,000	348,000	1,318,000	7,074,000	2,039,000	9,113,000
Transportation Infrastructure	568-001	University of Calgary TOD	2016 to 2019	Y	31,500,000	3,000,000	-	3,000,000	28,500,000	4,000	28,496,000	4,000	4,000	15%	600	3,400	-	-	-	3,000,000	-	3,000,000
Transportation Infrastructure	570-001	Southwest & West Ring Road Connections	2015	Y	216,000	147,000	147,000	-	69,000	69,000	-	-	216,000	76%	164,160	(95,160)	147,000	-	147,000	-	-	-
Transportation Infrastructure	570-001	Southwest & West Ring Road Connections	2016 to 2020	Y	113,401,000	98,546,000	3,740,000	94,806,000	14,855,000	502,000	14,353,000	502,000	4,242,000	60%	2,545,200	(2,043,200)	3,740,000	-	3,740,000	94,806,000	-	94,806,000
Transportation Infrastructure	572-001	MacLeod Trail & 210 Avenue Interchange	2022 to 2024	Y	70,000,000	-	-	-	70,000,000	-	70,000,000	-	-	60%	-	-	-	-	-	-	-	-
Transportation Infrastructure	573-001	194 Ave S Slough Crossing & CPR Grade	2015	Y	210,000	-	-	-	210,000	210,000	-	-	210,000	76%	159,600	50,400	-	-	-	-	-	-
Transportation Infrastructure	573-001	194 Ave S Slough Crossing & CPR Grade	2016 to 2018	Y	46,290,000	6,489,000	-	6,489,000	39,801,000	1,711,000	38,090,000	1,711,000	1,711,000	60%	1,026,600	684,400	-	-	-	6,489,000	-	6,489,000
Transportation Infrastructure	574-001 (832-001 464874)	88 Street SE Skeletal Road Extension	2016 to 2017 & 2020	Y	17,040,000	540,000	28,000	512,000	16,500,000	-	16,500,000	-	28,000	60%	16,800	(16,800)	24,000	4,000	28,000	500,000	12,000	512,000
Transportation Infrastructure	582-001	TCH / Sarcee Trail Interchange	2016 to 2018	N (Developer project with City contributing)	4,675,000	-	-	-	4,675,000	4,000	4,671,000	4,000	4,000	15%	600	3,400	-	-	-	-	-	-
Transportation Infrastructure	663-000	NE LRT Ext/Westwinds/OBMF/36St McKnight Bv Interchange	2004 to 2017	N (used prior years levies towards interchanges)	277,014,000	235,453,000	235,424,000	29,000	41,561,000	41,561,000	-	-	276,985,000	0%	-	41,561,000	215,893,000	19,531,000	235,424,000	-	29,000	29,000
Transportation Infrastructure	723-001	Macleod Tr/Lake Fraser Gate	2006 to 2015	Y	180,000	-	-	-	180,000	180,000	-	-	180,000	17%	30,600	149,400	-	-	-	-	-	-

Legend

■ 2006 to 2010

■ 2011 to 2015

■ 2006 to 2010 and 2011 to 2015

Table 15 Transportation Projects (continued)

City Department	Program Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete -City/Other Funding (\$)	City Cost to Complete Total (\$)
Transportation Infrastructure	723-001	Macleod Tr/Lake Fraser Gate	2016 to 2018	Y	3,620,000	3,600,000	-	3,600,000	20,000	-	20,000	-	-	15%	-	-	-	-	-	2,100,000	1,500,000	3,600,000
Transportation Infrastructure	724-001	TCH / Bowfort Rd Interchange	2007 to 2015	Y	21,567,000	16,550,000	16,550,000	-	5,017,000	5,017,000	-	-	21,567,000	17%	3,666,390	1,350,610	16,547,000	3,000	16,550,000	-	-	-
Transportation Infrastructure	724-001	TCH / Bowfort Rd Interchange	2016 to 2019	Y	45,661,000	26,437,000	26,437,000	-	19,224,000	2,779,000	16,445,000	2,779,000	29,216,000	15%	4,382,400	(1,603,400)	26,437,000	-	26,437,000	-	-	-
Transportation Infrastructure	733-001	Macleod Tr/162 Av Interchange	2015	Y	5,421,000	5,304,000	5,304,000	-	117,000	117,000	-	-	5,421,000	17%	921,570	(804,570)	5,304,000	-	5,304,000	-	-	-
Transportation Infrastructure	733-001	Macleod Tr/162 Av Interchange	2016 to 2018	Y	72,744,000	71,296,000	36,958,000	34,338,000	1,448,000	1,384,000	64,000	1,384,000	38,342,000	15%	5,751,300	(4,367,300)	36,851,000	107,000	36,958,000	34,338,000	-	34,338,000
Transportation Infrastructure	738-C01	West LRT	2007 to 2018	N (used prior years levies towards interchanges)	884,627,000	882,239,000	875,267,000	6,972,000	2,388,000	2,388,000	-	-	877,655,000	0%	-	2,388,000	865,248,000	10,019,000	875,267,000	6,642,000	330,000	6,972,000
Transportation Infrastructure	855-002	Airport Underpass: Airport Trail Underpass	2011 to 2015	Y	247,404,000	217,743,000	217,743,000	-	29,660,000	29,660,000	-	-	247,403,000	76%	188,026,280	(158,366,280)	217,743,000	-	217,743,000	-	-	-
Transportation Infrastructure	855-002	Airport Underpass: Airport Trail Underpass	2016 to 2017	Y	9,896,000	-	-	-	9,897,000	8,383,000	1,514,000	8,383,000	8,383,000	60%	5,029,800	3,353,200	-	-	-	-	-	-
Transportation Infrastructure	863-001	Glenmore Tr & 68 St SE	2017 to 2018	Y	5,000,000	5,000,000	-	5,000,000	-	-	-	-	-	15%	-	-	-	-	-	5,000,000	-	5,000,000
Transportation Infrastructure	xxx-xxx	Deerfoot & 128 Av Ramps	2017 to 2018	Y	5,300,000	5,300,000	-	5,300,000	-	-	-	-	-	60%	-	-	-	-	-	5,300,000	-	5,300,000
Transportation Infrastructure	xxx-xxx	Airport Trail	2017 to 2019	Y	56,000,000	56,000,000	-	56,000,000	-	-	-	-	-	60%	-	-	-	-	-	56,000,000	-	56,000,000
Transportation	n/a	Investment Income										(4,111,000)	-		-	-						
Total					2,987,271,000	2,383,143,000	1,930,372,000	452,771,000	604,128,000	306,381,000	297,747,000	46,738,000	2,236,753,000		465,876,610	(159,495,610)	1,866,614,000	63,758,000	1,930,372,000	426,717,000	26,054,000	452,771,000

² Project Budget - based on approved budget as well as estimated budget up to the end of the project. Forecasted Costs are subject to changes depending on the timing and financing arrangements.

Legend

■ 2006 to 2010

■ 2011 to 2015

■ 2006 to 2010 and 2011 to 2015

Schedule B

Water Resources Details

Table 16 Water Resources Projects

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$) (Owed)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ³ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Water Distribution 2000-2015	892-000	Land Purchases-PS/ Reservoir	Completed	Y	1,969,291	641,880	881,180	(239,300)	1,327,411	67%	137,704	1,189,707	46,333	1,018,884	7%	322,235	184,532
Water Distribution 2000-2015	892-000	Glendale Reservoir	Completed	Y	2,911	949	1,303	(354)	1,962	67%	204	1,759	68	1,506	7%	476	273
Water Distribution 2000-2015	892-000	Spyhill East Reservoir	Completed	Y	392,229	127,845	175,507	(47,662)	264,384	67%	27,427	236,957	9,228	202,934	7%	64,181	36,754
Water Distribution 2000-2015	892-000	Spyhill East Reservoir Construction	Completed	Y	3,490,595	1,137,741	1,561,904	(424,163)	2,352,854	67%	244,082	2,108,772	82,126	1,805,986	7%	571,167	327,085
Water Distribution 2000-2015	892-000	Top Hill Reservoir	Completed	Y	5,419,899	1,766,587	2,425,191	(658,604)	3,653,312	67%	378,990	3,274,322	127,518	2,804,181	7%	886,859	507,870
Water Distribution 2000-2015	892-000	Broadcast Hill Reservoir - Land	Completed	Y	582,398	189,829	260,600	(70,771)	392,569	67%	40,725	351,844	13,702	301,325	7%	95,298	54,573
Water Distribution 2000-2015	892-000	Broadcast Hill Reservoir	Completed	Y	6,378,731	2,079,113	2,854,231	(775,118)	4,299,618	67%	446,037	3,853,581	150,077	3,300,267	7%	1,043,753	597,717
Water Distribution 2000-2015	892-000	Lower Sarcee Reservoir Basin 2	Completed	Y	5,790,440	1,887,363	2,590,994	(703,631)	3,903,077	67%	404,900	3,498,177	136,236	2,995,894	7%	947,491	542,591
Water Distribution 2000-2015	892-000	Mountview Pump Station	Completed	Y	98,051	31,959	43,874	(11,915)	66,092	67%	6,856	59,236	2,307	50,730	7%	16,044	9,188
Water Distribution 2000-2015	892-000	Valley Ridge Pump Station	Completed	Y	1,930,100	629,106	863,644	(234,538)	1,300,994	67%	134,963	1,166,031	45,411	998,607	7%	315,823	180,859
Water Distribution 2000-2015	892-000	Spyhill North Pump Station	Completed	Y	5,622,999	1,832,786	2,516,071	(683,284)	3,790,213	67%	393,192	3,397,021	132,296	2,909,262	7%	920,093	526,901
Water Distribution 2000-2015	892-000	Royal Oak Pump Station	Completed	Y	2,135,153	695,942	955,397	(259,455)	1,439,211	67%	149,302	1,289,910	50,235	1,104,699	7%	349,376	200,074
Water Distribution 2000-2015	892-000	Discovery Ridge Flow Control Station	Completed	Y	587,811	191,594	263,022	(71,428)	396,217	67%	41,103	355,114	13,830	304,125	7%	96,184	55,081
Water Distribution 2000-2015	892-000	Evergreen Ridge Pump Station	Completed	Y	3,664,710	1,194,493	1,639,813	(445,321)	2,470,217	67%	256,257	2,213,960	86,222	1,896,070	7%	599,657	343,400

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$) (Owed)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date ⁵ (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Water Distribution 2000-2015	892-000	Hillhurst Pump Station	Completed	Y	820,685	267,498	367,224	(99,726)	553,187	67%	57,387	495,800	19,309	424,611	7%	134,289	76,902
Water Distribution 2000-2015	892-000	Deerfoot Trail Phase I	Completed	Y	1,404,323	457,732	628,379	(170,648)	946,591	67%	98,198	848,393	33,040	726,577	7%	229,790	131,592
Water Distribution 2000-2015	892-000	Deerfoot Trail Phase II	Completed	Y	412,043	134,303	184,373	(50,070)	277,740	67%	28,812	248,927	9,694	213,185	7%	67,423	38,610
Water Distribution 2000-2015	892-000	Cranston Feedermain Phase 1	Completed	Y	2,787,617	908,609	1,247,349	(338,740)	1,879,008	67%	194,926	1,684,082	65,586	1,442,275	7%	456,138	261,213
Water Distribution 2000-2015	892-000	Falconridge Feedermain Phase 2	Completed	Y	1,444,234	470,740	646,238	(175,498)	973,494	67%	100,989	872,505	33,979	747,227	7%	236,320	135,331
Water Distribution 2000-2015	892-000	Cranston Feedermain Phase 2	Completed	Y	1,578,504	514,505	706,318	(191,813)	1,063,999	67%	110,378	953,621	37,139	816,696	7%	258,291	147,913
Water Distribution 2000-2015	892-000	Deerfoot Trail Phase 1	Completed	Y	7,005,904	2,283,537	3,134,866	(851,329)	4,722,367	67%	489,892	4,232,475	164,833	3,624,758	7%	1,146,378	656,486
Water Distribution 2000-2015	892-000	NE TUC Feedermain	Completed	Y	8,710,483	2,839,135	3,897,598	(1,058,463)	5,871,348	67%	609,086	5,262,262	204,937	4,506,684	7%	1,425,298	816,212
Water Distribution 2000-2015	892-000	ValleyRidge Feedermain Phase II	Completed	Y	2,161,515	704,534	967,193	(262,659)	1,456,981	67%	151,145	1,305,836	50,855	1,118,338	7%	353,689	202,544
Water Distribution 2000-2015	892-000	Tuscany Feedermain Phase I	Completed	Y	3,054,541	995,611	1,366,787	(371,176)	2,058,930	67%	213,591	1,845,339	71,866	1,580,377	7%	499,815	286,225
Water Distribution 2000-2015	892-000	Tuscany Feedermain Phase II	Completed	Y	472,180	153,905	211,282	(57,377)	318,275	67%	33,017	285,258	11,109	244,299	7%	77,263	44,245
Water Distribution 2000-2015	892-000	Spyhill North Feedermain	Completed	Y	3,479,155	1,134,012	1,556,785	(422,773)	2,345,143	67%	243,282	2,101,861	81,856	1,800,067	7%	569,295	326,013
Water Distribution 2000-2015	892-000	60 Street NE Feedermain Phase 1	Completed	Y	135,719	44,237	60,729	(16,492)	91,482	67%	9,490	81,992	3,193	70,219	7%	22,208	12,717
Water Distribution 2000-2015	892-000	60 Street NE Feedermain Phase 2	Completed	Y	778,581	253,774	348,384	(94,610)	524,807	67%	54,443	470,364	18,318	402,827	7%	127,399	72,957
Water Distribution 2000-2015	892-000	ValleyRidge Feedermain Phase 3	Completed	Y	945,577	308,206	423,108	(114,903)	637,371	67%	66,120	571,251	22,247	489,229	7%	154,725	88,605
Water Distribution 2000-2015	892-000	Airdrie FM Tie-in and Meter Chamber Relocation	Completed	Y	1,774,430	578,366	793,987	(215,622)	1,196,064	67%	124,078	1,071,986	41,748	918,065	7%	290,350	166,272
Water Distribution 2000-2015	892-000	60th St NE FM	Completed	Y	6,253,743	2,038,374	2,798,304	(759,930)	4,215,369	67%	437,297	3,778,073	147,136	3,235,601	7%	1,023,301	586,005
Water Distribution 2000-2015	892-000	Research Park Feedermain Phase 1	Completed	Y	667,707	217,636	298,773	(81,137)	450,071	67%	46,690	403,382	15,710	345,462	7%	109,257	62,567

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$ 2000-2024)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed))	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ⁵ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Water Distribution 2000-2015	892-000	Artist View Park FM Ph 1	Completed	Y	4,623,374	1,506,964	2,068,778	(561,814)	3,116,410	67%	323,292	2,793,118	108,777	2,392,070	7%	756,524	433,231
Water Distribution 2000-2015	892-000	Old Banff Coach Road Feedermain Phase 1	Completed	Y	4,919,889	1,603,611	2,201,457	(597,845)	3,316,278	67%	344,026	2,972,251	115,754	2,545,483	7%	805,042	461,016
Water Distribution 2000-2015	892-000	Broadcast Hill S Feedermain Phase 1	Completed	Y	79,184	25,810	35,432	(9,622)	53,374	67%	5,537	47,837	1,863	40,969	7%	12,957	7,420
Water Distribution 2000-2015	892-000	Lower Sarcee South Feedermain Phase 1	Completed	Y	3,601,316	1,173,830	1,611,447	(437,618)	2,427,486	67%	251,824	2,175,662	84,731	1,863,271	7%	589,284	337,460
Water Distribution 2000-2015	892-000	Shaganappi Trail Feedermain Phase 1	Completed	Y	4,902,020	1,597,787	2,193,461	(595,674)	3,304,233	67%	342,777	2,961,456	115,333	2,536,238	7%	802,119	459,342
Water Distribution 2000-2015	892-000	Country Hills Blvd NW Feedermain	Completed	Y	1,265,739	412,561	566,368	(153,808)	853,178	67%	88,508	764,671	29,780	654,876	7%	207,113	118,606
Water Distribution 2000-2015	892-000	17 Ave SW Feedermain Phase 1	Completed	Y	481,155	156,830	215,298	(58,468)	324,325	67%	33,645	290,680	11,320	248,943	7%	78,731	45,086
Water Distribution 2000-2015	892-000	Crestmont Extension	Completed	Y	587,385	191,455	262,832	(71,377)	395,930	67%	41,073	354,857	13,820	303,905	7%	96,114	55,041
Water Distribution 2000-2015	892-000	69 Street 26 Avenue SW Feedermain	Completed	Y	2,940,072	958,301	1,315,566	(357,266)	1,981,771	67%	205,586	1,776,185	69,173	1,521,153	7%	481,085	275,498
Water Distribution 2000-2015	892-000	Symons Valley TUC Crossing	Completed	Y	2,348,706	765,548	1,050,953	(285,405)	1,583,158	67%	164,235	1,418,923	55,260	1,215,188	7%	384,319	220,085
Water Distribution 2000-2015	892-000	Symons Feedermain Phase 1	Completed	Y	842,761	274,693	377,102	(102,409)	568,068	67%	58,931	509,137	19,828	436,033	7%	137,901	78,971
Water Distribution 2000-2015	892-000	Northridge Feedermain	Completed	Y	352,064	114,753	157,535	(42,781)	237,311	67%	24,618	212,692	8,283	182,153	7%	57,608	32,990
Water Distribution 2000-2015	892-000	MacLeod Trail FM	Completed	Y	9,282,639	3,025,626	4,153,616	(1,127,989)	6,257,013	67%	649,094	5,607,919	218,399	4,802,710	7%	1,518,920	869,826
Water Distribution 2000-2015	892-000	Northridge FM Ph 1 & 2	Completed	Y	46,498	15,156	20,806	(5,650)	31,342	67%	3,251	28,091	1,094	24,057	7%	7,608	4,357
Water Distribution 2000-2015	892-000	Old Banff Coach Rd FM Ph 2	Completed	Y	3,777,010	1,231,096	1,690,063	(458,967)	2,545,914	67%	264,110	2,281,804	88,864	1,954,173	7%	618,033	353,923
Water Distribution 2000-2015	892-000	Old Banff Coach Rd FM Ph 3	Completed	Y	3,091,777	1,007,748	1,383,448	(375,700)	2,084,029	67%	216,194	1,867,835	72,742	1,599,643	7%	505,908	289,714
OSL Balance in Reserves	892-000	Shaganappi Tr FM Ph 2	Completed	Y	8,138,324	2,652,643	3,641,580	(988,937)	5,485,681	67%	569,077	4,916,604	191,476	4,210,657	7%	1,331,676	762,599
Water Distribution 2000-2015	892-000	Graves Bridge Feedermain	Completed	Y	2,436,391	1,204,694	1,090,189	114,505	1,231,697	51%	170,366	1,061,331	57,323	1,260,555	7%	398,667	228,301

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed))	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date ⁵ (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Water Distribution 2000-2015	892-000	Cranston South FM	Completed	Y	3,445,787	1,123,136	1,541,854	(418,718)	2,322,652	67%	240,949	2,081,703	81,071	1,782,803	7%	563,835	322,886
Water Distribution 2000-2015	892-000	Cranston South FM A	Completed	Y	2,732,114	890,518	1,222,513	(331,996)	1,841,596	67%	191,045	1,650,552	64,280	1,413,558	7%	447,056	256,012
Water Distribution 2000-2015	892-000	Symons Valley FM	Completed	Y	343,627	112,003	153,760	(41,756)	231,624	67%	24,028	207,595	8,085	177,788	7%	56,228	32,199
Water Distribution 2000-2015	892-000	Big Hill East Reservoir	Completed	Y	8,337,038	2,717,413	3,730,496	(1,013,083)	5,619,625	67%	582,972	5,036,653	196,151	4,313,469	7%	1,364,191	781,219
Water Distribution 2000-2015	892-000	Crestmont Pump Station	Completed	Y	8,633,485	2,814,038	3,863,144	(1,049,106)	5,819,447	67%	603,702	5,215,745	203,126	4,466,846	7%	1,412,699	808,997
Water Distribution 2000-2015	892-000	East McKenzie FM	Completed	Y	23,427,984	13,783,588	10,483,100	3,300,488	9,644,396	41%	1,638,216	8,006,180	551,206	12,121,316	7%	3,833,526	2,195,310
Water Distribution 2000-2015	892-000	ValleyRidge FM Phase I	Completed	Y	18,413,055	6,001,636	8,239,117	(2,237,481)	12,411,419	67%	1,287,544	11,123,875	433,216	9,526,661	7%	3,012,932	1,725,388
Water Distribution 2000-2015	892-000	Cranston Bow River Xing	Completed	Y	12,761,175	4,159,436	5,710,123	(1,550,687)	8,601,738	67%	892,333	7,709,406	300,241	6,602,456	7%	2,088,114	1,195,781
Water Distribution 2000-2015	892-000	MacLeod Trail FM Ph 2	Completed	Y	9,101,626	2,966,626	4,072,619	(1,105,993)	6,135,000	67%	636,437	5,498,563	214,140	4,709,056	7%	1,489,301	852,864
Non OSL in the Sustainment Reserves	892-000	Water FM under Graves Bridge	Completed	Y	3,215,576	2,131,838	1,438,844	692,994	1,083,738	34%	224,851	858,887	75,655	1,663,695	7%	526,165	301,314
Water Distribution 2000-2015	892-000	210 Avenue SW	Completed	Y	813,241	470,788	363,893	106,894	342,453	42%	56,866	285,587	19,134	420,760	7%	133,071	76,204
Water Distribution 2000-2015	892-000	South Glenmore Reservoir Basin 2	Completed	Y	751,467	244,937	336,252	(91,315)	506,530	67%	52,547	453,984	17,680	388,799	7%	122,963	70,416
Water Distribution 2000-2015	892-000	South Glenmore Res Basin 2	Completed	Y	125,541	88,220	56,175	32,046	37,321	30%	8,779	28,542	2,954	64,953	7%	20,542	11,764
Water Distribution 2000-2015	892-000	Nose Hill Feedermain	Completed	Y	219,847	204,330	98,373	105,957	15,517	7%	15,373	144	5,172	113,746	7%	35,974	20,601
Water Distribution 2000-2015	892-000	Lower Sarcee Feeder Main	Completed	Y	36,891	21,325	16,507	4,817	15,567	42%	2,580	12,987	868	19,087	7%	6,037	3,457
Water Distribution 2000-2015	892-000	210 Ave SW Pump Station	Completed	Y	46,944	27,673	21,005	6,668	19,270	41%	3,283	15,988	1,104	24,288	7%	7,681	4,399
Water Distribution 2000-2015	892-000	Northridge Reservoir	Completed	Y	17,294	7,595	7,738	(143)	9,698	56%	1,209	8,489	407	8,947	7%	2,830	1,620
Water Distribution 2000-2015		Financing Costs			106,055,815	50,597,744	59,243,610	(8,645,865)	55,458,070	52%	9,215,659	46,242,411	3,100,767	68,459,269	9%	21,586,384	12,370,725

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$ 2000-2024)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed))	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ⁵ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Total Water Distribution 2000-2015					334,147,070	132,993,849	161,305,464	(28,311,615)	201,153,221		25,165,077	175,988,144	8,467,224	186,470,541	13%	58,909,005	33,743,928
Water Distribution 2016-2024	892-000	Ogden Feeder Main-FM to service Rangeview	2019-2021	Y	36,725,000	26,478,725	-	26,478,725	10,246,275	28%	-	10,246,275	-	-	0%	-	-
Water Distribution 2016-2024	892-000	Lower Sarcee Feeder Main-	2016-2020	Y	25,297,120	7,310,868	6,768	7,304,099	17,986,252	71%	-	17,986,252	-	6,768	0%	527	527
Water Distribution 2016-2024	892-000	210 Avenue FM and Pump Station and Lower Sarcee FM	2016-2018	Y	15,202,200	5,944,060	8,669	5,935,392	9,258,140	61%	-	9,258,140	-	8,669	0%	675	675
Water Distribution 2016-2024	892-000	210 Ave Feeder Main	2016-2018	Y	14,053,750	4,328,555	115,147	4,213,408	9,725,195	69%	-	9,725,195	-	115,147	0%	8,973	8,973
Water Distribution 2016-2024	892-000	East McKenzie FM-Complete	2014-2016	Y	748,320	525,321	74,485	450,836	222,999	30%	-	222,999	-	74,485	0%	5,804	5,804
Water Distribution 2016-2024	892-000	Northridge FM Ph 1 and 2-Some design started in 2014	2014-2022	Y	6,866,520	1,153,575	279	1,153,297	5,712,945	83%	-	5,712,945	-	279	0%	22	22
Water Distribution 2016-2024	892-000	Northridge Reservoir-Land and some design started in 2014	2014-2018	Y	2,122,620	356,600	13,173	343,428	1,766,020	83%	-	1,766,020	-	13,173	0%	1,026	1,026
Water Distribution 2016-2024	892-000	Airdrie FM Tie-in and Meter Chamber Relocation	2015-2019	Y	1,262,750	-	71,444	(71,444)	1,262,750	100%	-	1,262,750	-	71,444	0%	5,567	5,567
Water Distribution 2016-2024	892-000	Pump Station 36 Installation-	2014-2017	Y	575,700	96,718	46,954	49,764	478,982	83%	-	478,982	-	46,954	0%	3,659	3,659
Water Distribution 2016-2024	892-000	Redevelopment-Ongoing program - 2017 and 2018 reallocated to specific projects	2016-2024	Y	8,831,856	8,831,856	89,070	8,742,786	-	0%	-	-	-	89,070	0%	6,941	6,941
Water Distribution 2016-2024	892-000	South Glenmore Reservoir Basin II	2016-2016	Y	39,327,720	32,295,924	4,750	32,291,174	7,031,796	18%	-	7,031,796	-	4,750	0%	370	370
Water Distribution 2016-2024	892-000	Bears paw Pump Station STN012 Upgrade-Includes Country Hills Boulevard Uptown FM	2015-2021	Y	6,761,420	6,053,432	-	6,053,432	707,988	10%	-	707,988	-	-	0%	-	-
Water Distribution 2016-2024	892-000	Bears paw Pump Station STN020 Upgrade-Included in Nose Hill FM Costs	TBD	Y	2,995,570	2,681,904	36,438	2,645,466	313,666	10%	-	313,666	-	36,438	0%	2,839	2,839

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$ 2000-2024)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed))	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Water Distribution 2016-2024	892-000	Nose Hill Feedermain-North Calgary Water Study changed this project to Bears paw High Lift Pump Station Stage II upgrade	2017-2017	Y	14,087,600	12,612,487	3,094	12,609,394	1,475,113	10%	-	1,475,113	-	3,094	0%	241	241
Water Distribution 2016-2024	892-000	Country Hills Blvd Uptown Feedermain-North Calgary Water Study changed this project to Bears paw High Lift Pump Station Stage 1 upgrade	2016-2017	Y	27,875,000	24,956,209	-	24,956,209	2,918,791	10%	-	2,918,791	-	-	0%	-	-
Water Distribution 2016-2024		Financing Costs			135,904,253	91,564,662	-	91,564,662	44,339,591	33%		44,339,591	-	-	0%	-	-
Total Water Distribution 2016-2024					338,637,399	225,190,895	470,269	224,720,626	113,446,504		-	113,446,504	-	470,269		36,645	36,645
Total Water Distribution					672,784,469	358,184,744	161,775,733	196,409,011	314,599,724		25,165,077	289,434,648	8,467,224	186,940,810		58,945,650	33,780,573
Wastewater Collection 2000-2015	895-000	New Areas	Completed	Y	1,860,892	851,974	573,634	278,340	1,439,333	77%	90,262	1,349,071	30,388	663,896	5%	157,806	67,544
Wastewater Collection 2000-2015	895-000	New Areas	Completed	Y	177,872	40,294	54,830	(14,536)	137,578	77%	8,628	128,950	2,905	63,458	5%	15,084	6,456
Wastewater Collection 2000-2015	895-000	McKenzie Trunk & PS	Completed	Y	6,867,471	1,555,729	2,116,950	(561,221)	5,311,742	77%	333,103	4,978,639	112,146	2,450,053	5%	582,370	249,267
Wastewater Collection 2000-2015	895-000	Foothills Industrial	Completed	Y	2,692	610	830	(220)	2,082	77%	131	1,952	44	960	5%	228	98
Wastewater Collection 2000-2015	895-000	SW Elbow Valley	Completed	Y	2,571,647	582,571	792,730	(210,159)	1,989,077	77%	124,736	1,864,340	41,995	917,466	5%	218,079	93,343
Wastewater Collection 2000-2015	895-000	North Beddington	Completed	Y	1,010,179	228,842	311,395	(82,553)	781,337	77%	48,998	732,339	16,496	360,394	5%	85,664	36,666
Wastewater Collection 2000-2015	895-000	Nose Creek V	Completed	Y	5,362,560	1,214,813	1,653,050	(438,237)	4,147,747	77%	260,108	3,887,639	87,571	1,913,158	5%	454,752	194,644
Wastewater Collection 2000-2015	895-000	Dufferin Industrial Lift Station	Completed	Y	1,577,493	357,359	486,274	(128,915)	1,220,134	77%	76,515	1,143,619	25,761	562,790	5%	133,773	57,258
Wastewater Collection 2000-2015	895-000	Beddington Creek II	Completed	Y	8,856,443	2,006,303	2,730,066	(723,763)	6,850,140	77%	429,577	6,420,563	144,626	3,159,643	5%	751,037	321,460
Wastewater Collection 2000-2015	895-000	Midnapore Trunk	Completed	Y	536,064	121,438	165,246	(43,808)	414,626	77%	26,001	388,625	8,754	191,247	5%	45,459	19,457

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$ 2000-2024)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed))	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ⁵ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Wastewater Collection 2000-2015	895-000	Pine Creek Trunk I	Completed	Y	23,941,504	5,423,611	7,380,150	(1,956,538)	18,517,893	77%	1,161,270	17,356,623	390,966	8,541,420	5%	2,030,270	869,000
Wastewater Collection 2000-2015	895-000	Fish Creek Forcemain	Completed	Y	7,479,659	1,694,412	2,305,662	(611,250)	5,785,248	77%	362,797	5,422,451	122,143	2,668,458	5%	634,285	271,488
Wastewater Collection 2000-2015	895-000	Nose Creek IV	Completed	Y	2,832,473	641,657	873,131	(231,474)	2,190,816	77%	137,388	2,053,428	46,254	1,010,519	5%	240,197	102,810
Wastewater Collection 2000-2015	895-000	85 Street SW	Completed	Y	1,948,558	441,418	600,658	(159,239)	1,507,140	77%	94,514	1,412,626	31,820	695,172	5%	165,240	70,726
Wastewater Collection 2000-2015	895-000	Great Plains Trunk	Completed	Y	4,673,427	1,058,699	1,440,619	(381,920)	3,614,728	77%	226,682	3,388,045	76,317	1,667,301	5%	396,312	169,630
Wastewater Collection 2000-2015	895-000	Beddington Crk South Upgrade	Completed	Y	7,674,253	1,738,494	2,365,647	(627,152)	5,935,759	77%	372,236	5,563,523	125,321	2,737,882	5%	650,786	278,551
Wastewater Collection 2000-2015	895-000	Fish Creek West and Anderson Sanitary Upgrades	Completed	Y	847,179	191,917	261,149	(69,233)	655,263	77%	41,092	614,171	13,834	302,241	5%	71,842	30,750
Wastewater Collection 2000-2015	895-000	Nose Creek Trunk Upgrade (40%)	Completed	Y	41,518,001	28,672,928	12,798,238	15,874,691	12,845,073	31%	2,013,808	10,831,264	677,990	14,812,046	5%	3,520,779	1,506,970
Wastewater Collection 2000-2015	895-000	North Ridge MacDonald Trunk	Completed	Y	25,327,129	5,737,505	7,807,279	(2,069,774)	19,589,624	77%	1,228,479	18,361,145	413,593	9,035,758	5%	2,147,772	919,293
Wastewater Collection 2000-2015	895-000	Silverado-West Pine Creek Trunk	Completed	Y	9,923,702	2,248,075	3,059,056	(810,981)	7,675,627	77%	481,344	7,194,283	162,054	3,540,400	5%	841,542	360,199
Wastewater Collection 2000-2015	895-000	South Cranston Syphon	Completed	Y	20,970,620	4,750,599	6,464,352	(1,713,753)	16,220,021	77%	1,017,169	15,202,852	342,451	7,481,521	5%	1,778,335	761,166
Wastewater Collection 2000-2015	895-000	Saddle Ridge Sanitary Upgrade	Completed	Y	491,615	180,879	151,544	29,335	310,736	63%	23,846	286,890	8,028	175,389	5%	41,690	17,844
Wastewater Collection 2000-2015	895-000	Valley Ridge Syphon & Upgrade	Completed	Y	24,260,145	16,754,405	7,478,373	9,276,032	7,505,740	31%	1,176,725	6,329,015	396,169	8,655,098	5%	2,057,291	880,565
Wastewater Collection 2000-2015	895-000	BB Trunk Upgrade S of Bow River (40%)	Completed	Y	665,577	536,877	205,169	331,708	128,700	19%	32,283	96,417	10,869	237,453	5%	56,442	24,158
Wastewater Collection 2000-2015	895-000	Trinity East Hills-CFA	Completed	Y	4,962,737	1,124,238	1,529,801	(405,563)	3,838,499	77%	240,715	3,597,784	81,042	1,770,516	5%	420,846	180,131
Wastewater Collection 2000-2015	895-000	Mahogany Forcemain Ph 1	Completed	Y	351,780	79,691	108,439	(28,748)	272,089	77%	17,063	255,026	5,745	125,502	5%	29,831	12,768
Wastewater Collection 2000-2015	895-000	North Beddington Ph 2	Completed	Y	2,092,822	474,099	645,128	(171,029)	1,618,723	77%	101,511	1,517,211	34,176	746,639	5%	177,474	75,963
Wastewater Collection 2000-2015	895-000	Seton Trunk Ph 1	Completed	Y	3,130,338	709,134	964,950	(255,816)	2,421,204	77%	151,835	2,269,368	51,119	1,116,786	5%	265,457	113,621

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$) (Owed)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date ⁵ (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Wastewater Collection 2000-2015	895-000	BB Trunk Upgrade River Crossing	Completed	Y	51,869	39,031	15,989	23,042	12,838	25%	2,516	10,322	847	18,505	5%	4,399	1,883
Wastewater Collection 2000-2015	895-000	Silverado - West Pine Creek Trunk Phase 2	Completed	Y	1,566,069	354,771	482,753	(127,982)	1,211,298	77%	75,961	1,135,337	25,574	558,714	5%	132,805	56,843
Wastewater Collection 2000-2015	895-000	Beddington Creek II - East Leg	Completed	Y	4,067,766	921,495	1,253,919	(332,424)	3,146,270	77%	197,305	2,948,966	66,427	1,451,224	5%	344,952	147,647
Wastewater Collection 2000-2015	895-000	Bowness Sanitary Sewer Upgrades	Completed	Y	34,916,552	29,875,334	10,763,291	19,112,043	4,610,803	13%	1,693,609	2,917,194	570,189	12,456,900	5%	2,960,967	1,267,359
Wastewater Collection 2000-2015	895-000	Mahogany Lift Station, Forcemain, Trunk	Completed	Y	10,943,995	2,479,208	3,373,569	(894,361)	8,464,787	77%	530,833	7,933,954	178,716	3,904,402	5%	928,064	397,232
Wastewater Collection 2000-2015	895-000	Nose Creek Trunk Upgrade	Completed	Y	27,922,335	20,286,116	8,607,271	11,678,845	7,636,219	27%	1,354,358	6,281,861	455,973	9,961,629	5%	2,367,849	1,013,491
Wastewater Collection 2000-2015	895-000	144 Ave NE San Trunk	Completed	Y	903,515	204,679	278,515	(73,837)	698,836	77%	43,825	655,012	14,754	322,340	5%	76,619	32,795
Wastewater Collection 2000-2015	895-000	North Beddington San Ph 2 CFA	Completed	Y	561,638	127,231	173,129	(45,898)	434,406	77%	27,242	407,165	9,172	200,371	5%	47,628	20,386
Wastewater Collection 2000-2015	895-000	Inglewood Trunk Upgrade	Completed	Y	940,311	788,452	289,858	498,594	151,860	16%	45,609	106,250	15,355	335,467	5%	79,740	34,130
Wastewater Collection 2000-2015	895-000	Forest Lawn LS Sewer Upgrading 1	Completed	Y	19,952	19,952	6,150	13,802	-	0%	968	(968)	326	7,118	5%	1,692	724
Wastewater Collection 2000-2015	895-000	WS-Seton Trunk Ph 1	Completed	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2000-2015	895-000	Mahogany LS FM TRNK	Completed	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2000-2015	895-000	Trinity East Hills - CFA	Completed	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2000-2015		Financing Costs			100,213,178	63,220,853	58,104,207	5,116,645	36,992,325	37%	9,039,175	27,953,150	3,043,226	67,143,383	9%	15,833,447	6,794,272
Wastewater Collection 2000-2015					394,022,010	197,735,692	148,673,002	49,062,691	196,286,318		23,290,216	172,996,102	7,841,135	171,963,217		40,748,805	17,458,589
Wastewater Collection 2016-2024	895-000	WS-Seton Trunk Ph 1		Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	North Ridge Macdonald Trunk-Northpoint CFA - Complete	2014-2016	Y	262,570	-	5,720	(5,720)	262,570	100%	-	262,570	-	5,720	0%	262	262

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$ 2000-2024)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed))	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Wastewater Collection 2016-2024	895-000	West Pine Creek Sanitary Trunk Ph 2-Construction Agreement to Service West Macleod and Silverado	2015-2018	Y	55,800,770	-	246,489	(246,489)	55,800,770	100%	-	55,800,770	-	246,489	0%	11,270	11,270
Wastewater Collection 2016-2024	895-000	Seton Tunnel Ph 1-Design only - Construction TBD	2016-2018	Y	31,802,000	-	-	-	31,802,000	100%	-	31,802,000	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Seton Tunnel Ph 2-Project on hold	TBD	Y	18,839,000	-	-	-	18,839,000	100%	-	18,839,000	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	144 Ave NE San Trunk-East Keystone CFA	2015-2017	Y	15,774,610	-	150,965	(150,965)	15,774,610	100%	-	15,774,610	-	150,965	0%	6,903	6,903
Wastewater Collection 2016-2024	895-000	North Beddington San Ph 2 CFA-West Keystone CFA	2016-2017	Y	5,528,690	-	93,711	(93,711)	5,528,690	100%	-	5,528,690	-	93,711	0%	4,285	4,285
Wastewater Collection 2016-2024	895-000	Beddington Creek II East Leg-Complete	2014-2015	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Redevelopment -Ongoing program - 2017 and 2018 reallocated to specific projects	2016-2024	Y	15,870,000	15,870,000	-	15,870,000	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Saddle Ridge Sanitary Upgrade	2015-2017	Y	6,388,290	3,436,900	115,172	3,321,728	2,951,390	46%	-	2,951,390	-	115,172	0%	5,266	5,266
Wastewater Collection 2016-2024	895-000	Bowness Trunk Upgrade-West Memorial Upgrade	2014-2024	Y	16,988,460	14,135,928	76,360	14,059,568	2,852,532	17%	-	2,852,532	-	76,360	0%	3,491	3,491
Wastewater Collection 2016-2024	895-000	Shouldice Trunk Upgrade-Project on hold	TBD	Y	21,170,000	19,672,011	-	19,672,011	1,497,989	7%	-	1,497,989	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Nose Creek Trunk Upgrade	2014-2018	Y	21,474,620	12,328,150	293,872	12,034,277	9,146,470	43%	-	9,146,470	-	293,872	0%	13,437	13,437
Wastewater Collection 2016-2024	895-000	Inglewood Trunk Upgrade	2014-2020	Y	20,453,610	16,182,896	47,765	16,135,132	4,270,714	21%	-	4,270,714	-	47,765	0%	2,184	2,184
Wastewater Collection 2016-2024	895-000	McKenzie Siphon Upgrade-Project on hold	TBD	Y	7,382,000	6,245,910	-	6,245,910	1,136,090	15%	-	1,136,090	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	17th Ave Trunk Upgrade-Includes Beltline Trunk upgrade Activity#456017	2016-2018	Y	6,793,430	6,793,430	6,263	6,787,167	-	0%	-	-	-	6,263	0%	286	286
Wastewater Collection 2016-2024	895-000	Beltline Trunk Upgrade-Included in RFP for 17 Ave Trunk Upgrade Activity#456019	2016-2018	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$ 2000-2024)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ⁵ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Wastewater Collection 2016-2024	895-000	Forest Lawn LS Sewer Upgrading 1-Design only - project on hold	2017-2017	Y	6,428,930	6,428,930	1,109	6,427,821	-	0%	-	-	-	1,109	0%	51	51
Wastewater Collection 2016-2024	895-000	Forest Lawn LS Sewer Upgrading 2-Project on hold	TBD	Y	6,242,000	6,242,000	-	6,242,000	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Fish Creek West Sub Trunk-Project on hold	TBD	Y	13,954,000	13,954,000	-	13,954,000	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Tsuu Tina Connection Upgrade-Project on hold	TBD	Y	9,423,000	9,423,000	-	9,423,000	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Elbow Drive Trunk Upgrade 1-Project on hold	TBD	Y	1,403,000	1,403,000	-	1,403,000	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Elbow Drive Trunk Upgrade 2-Project on hold	TBD	Y	16,114,000	16,114,000	-	16,114,000	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024	895-000	Mahogany LS FM TRNK	2017	Y	3,890	-	85	(85)	3,890	100%	-	3,890	-	85	0%	4	4
Wastewater Collection 2016-2024	895-000	Penbrooke Trunk Upgrades-Project on hold	TBD	Y	46,727,000	46,727,000	-	46,727,000	-	0%	-	-	-	-	0%	-	-
Wastewater Collection 2016-2024		Financing Costs	-		233,058,648	133,204,488	-	133,204,488	99,854,160	43%		99,854,160	-	-	0%	-	-
Wastewater Collection 2016-2024					577,882,518	328,161,643	1,037,510	327,124,133	249,720,876	-	-	249,720,876	-	1,037,510	-	47,439	47,439
Total Wastewater Collection					971,904,528	525,897,335	149,710,512	376,186,823	446,007,194	0%	23,290,216	422,716,978	7,841,135	173,000,727	-	40,796,244	17,506,028
Wastewater Treatment 2000-2015	894-000	Pine Creek WWTP	Completed	Y	412,169,943	183,352,045	64,816,403	118,535,641	228,817,898	56%	11,572,678	217,245,220	3,896,175	76,389,081	3%	44,569,895	32,997,217
Wastewater Treatment 2000-2015	894-000	WWTP Expansion Land Purch	Completed	Y	6,501,424	6,501,424	1,022,391	5,479,032	-	0%	-	-	-	1,022,391	0%	-	-
Wastewater Treatment 2000-2015	894-000	BB Struvite Recovery	Completed	Y	443,914	443,914	69,808	374,105	-	0%	-	-	-	69,808	0%	-	-
Wastewater Treatment 2000-2015	894-000	BB Digester Gas Utilization	Completed	Y	19,443,174	19,443,174	3,057,566	16,385,608	-	0%	-	-	-	3,057,566	0%	-	-
Wastewater Treatment 2000-2015	894-000	Pine Creek Gas Holder	Completed	Y	1,440,104	640,624	226,466	414,159	799,480	56%	40,434	759,046	13,613	266,900	3%	155,725	115,291
Wastewater Treatment 2000-2015	894-000	Pine Creek Design	Completed	Y	9,887,966	4,398,620	1,554,947	2,843,673	5,489,346	56%	277,629	5,211,718	93,469	1,832,576	3%	1,069,233	791,604
Wastewater Treatment 2000-2015	894-000	New Septage Facility	Completed	Y	3,012,194	3,012,194	473,687	2,538,507	-	0%	-	-	-	473,687	0%	-	-

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ⁵ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Wastewater Treatment 2000-2015	894-000	BB FOG Receiving Station	Completed	Y	1,786,224	1,786,224	280,895	1,505,328	-	0%	-	-	-	280,895	0%	-	-
Wastewater Treatment 2000-2015	894-000	BB Blower Upgrade	Completed	Y	11,721,061	11,721,061	1,843,213	9,877,848	-	0%	-	-	-	1,843,213	0%	-	-
Wastewater Treatment 2000-2015	894-000	Twinning BBWWTP Sludge Line	Completed	Y	13,024,628	13,024,628	2,048,207	10,976,421	-	0%	-	-	-	2,048,207	0%	-	-
Wastewater Treatment 2000-2015	894-000	Bonnybrook Capacity Improvements	Completed	Y	2,310,904	2,310,904	363,405	1,947,499	-	0%	-	-	-	363,405	0%	-	-
Wastewater Treatment 2000-2015	894-000	BB Primary Clarifier #7	Completed	Y	11,110	11,110	1,747	9,363	-	0%	-	-	-	1,747	0%	-	-
Wastewater Treatment 2000-2015	894-000	Pine Creek Construction	Completed	Y	7,147,588	3,179,574	1,124,005	2,055,569	3,968,014	56%	200,686	3,767,328	67,565	1,324,691	3%	772,903	572,217
Wastewater Treatment 2000-2015	894-000	Fermenter / Digester at PCWWTP	Completed	Y	2,986,277	1,328,432	469,611	858,821	1,657,844	56%	83,847	1,573,997	28,229	553,458	3%	322,920	239,073
Wastewater Treatment 2000-2015	894-000	BBWWTP Headworks Grit Removal (22%)	Completed	Y	66,576,345	66,576,345	10,469,563	56,106,782	-	0%	-	-	-	10,469,563	0%	-	-
Wastewater Treatment 2000-2015	894-000	Effluent Filtration at Bonnybrook	Completed	Y	819,801	819,801	128,919	690,882	-	0%	-	-	-	128,919	0%	-	-
Wastewater Treatment 2000-2015	894-000	Sewage Forcemain Flow Reversal & Condition Assess. (50%)	Completed	Y	1,526,649	1,526,649	240,075	1,286,573	-	0%	-	-	-	240,075	0%	-	-
Wastewater Treatment 2000-2015	894-000	Shepard Lagoon - Dewatering	Completed	Y	1,880,976	1,880,976	295,796	1,585,181	-	0%	-	-	-	295,796	0%	-	-
Wastewater Treatment 2000-2015	894-000	Major WWTP Expansion	Completed	Y	701,132	701,132	110,258	590,875	-	0%	-	-	-	110,258	0%	-	-
Wastewater Treatment 2000-2015	894-000	New Septage Facility	Completed	Y	6,126,245	6,126,245	963,392	5,162,853	-	0%	-	-	-	963,392	0%	-	-
Wastewater Treatment 2000-2015	894-000	BBWWTP Plant D Expansion	Completed	Y	20,985,143	12,443,924	3,300,050	9,143,874	8,541,219	41%	431,980	8,109,239	145,435	3,732,030	2%	1,663,686	1,231,706
Wastewater Treatment 2000-2015	894-000	Condition Assessment / Replacement Strategy	Completed	Y	71,371	71,371	11,224	60,147	-	0%	-	-	-	11,224	0%	-	-
Wastewater Treatment 2000-2015	894-000	BBWWTP Headworks Grit Removal	Completed	Y	15,879,501	15,879,501	2,497,155	13,382,346	-	0%	-	-	-	2,497,155	0%	-	-
Wastewater Treatment 2000-2015	894-000	Volatile Fatty Acid Project	Completed	Y	204,762	204,762	32,200	172,562	-	0%	-	-	-	32,200	0%	-	-

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$) (Owed)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date ⁵ (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Wastewater Treatment 2000-2015	894-000	Dewatering Facility	Completed	Y	7,135,056	7,135,056	1,122,034	6,013,022	-	0%	-	-	-	1,122,034	0%	-	-
Wastewater Treatment 2000-2015	894-000	BBWWTP Capacity Upgrades	Completed	Y	59,533,783	30,727,041	9,362,074	21,364,966	28,806,742	48%	1,456,928	27,349,815	490,504	10,819,002	2%	5,611,071	4,154,143
Wastewater Treatment 2000-2015	894-000	Pine Creek Equipment	Completed	Y	886,179	394,213	139,357	254,856	491,966	56%	24,882	467,084	8,377	164,239	3%	95,827	70,945
Wastewater Treatment 2000-2015	894-000	Pine Creek Gas Holder	Completed	Y	29,274	29,274	4,603	24,670	-	0%	-	-	-	4,603	0%	-	-
Wastewater Treatment 2000-2015	894-000	Pine Creek Projects	Completed	Y	(30,049)	(30,049)	(4,725)	(25,323)	-	0%	-	-	-	(4,725)	0%	-	-
Wastewater Treatment 2000-2015	894-000	Bonnybrook Power Export	Completed	Y	5,200	5,200	818	4,382	-	0%	-	-	-	818	0%	-	-
Wastewater Treatment 2000-2015	894-000	Bonnybrook Equipment	Completed	Y	2,577,282	2,577,282	405,294	2,171,988	-	0%	-	-	-	405,294	0%	-	-
Wastewater Treatment 2000-2015	894-000	BB WWTP 13.2&5kV System Expansion	Completed	Y	673,670	299,679	105,939	193,740	373,991	56%	18,915	355,076	6,368	124,854	3%	72,847	53,932
Wastewater Treatment 2000-2015	894-000	Power Management System	Completed	Y	277,864	123,607	43,696	79,911	154,257	56%	7,802	146,456	2,627	51,498	3%	30,047	22,245
Wastewater Treatment 2000-2015	894-000	600V System Upgrades	Completed	Y	75,062	33,391	11,804	21,587	41,671	56%	2,108	39,564	710	13,912	3%	8,117	6,009
Wastewater Treatment 2000-2015	894-000	FC WWTP Capacity Assessment	Completed	Y	711,893	316,682	111,950	204,733	395,210	56%	19,988	375,222	6,729	131,938	3%	76,980	56,992
Wastewater Treatment 2000-2015		Financing Costs			425,634,520	255,840,746	193,025,053	62,815,694	169,793,774	40%	24,154,146	145,639,628	8,131,979	217,179,199	6%	98,373,114	74,218,967
Wastewater Treatment 2000-2015					1,104,168,169	654,836,757	299,728,881	355,107,876	449,331,413		38,292,022	411,039,391	12,891,780	338,020,903		152,822,365	114,530,343
Wastewater Treatment 2016-2024	894-000	BB WWTP Blower Upgrades	2013-2018	Y	12,577,480	5,571,824	514,372	5,057,452	7,005,656	56%	-	7,005,656	-	514,372	0%	256,506	256,506
Wastewater Treatment 2016-2024	894-000	BB WWTP 13.2&5kV System Expansion	2015-2019	Y	40,562,780	17,969,312	276,785	17,692,527	22,593,468	56%	-	22,593,468	-	276,785	0%	138,026	138,026
Wastewater Treatment 2016-2024	894-000	Bonnybrook Capacity Upgrade	2013-2020	Y	57,492,760	25,469,293	1,723,288	23,746,005	32,023,467	56%	-	32,023,467	-	1,723,288	0%	859,365	859,365
Wastewater Treatment 2016-2024	894-000	BBWWTP Plant D Expansion	2013-2023	Y	466,518,070	206,667,505	1,175,990	205,491,515	259,850,565	56%	-	259,850,565	-	1,175,990	0%	586,440	586,440
Wastewater Treatment 2016-2024	894-000	Power Management System	2015-2018	Y	4,187,910	1,855,244	9,491	1,845,753	2,332,666	56%	-	2,332,666	-	9,491	0%	4,733	4,733

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$) 2000-2024	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$) (Owed)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Wastewater Treatment 2016-2024	894-000	Power Distribution Upgrades-Project on hold	TBD	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Wastewater Treatment 2016-2024	894-000	600V System Upgrades	2015-2019	Y	3,347,770	2,415,416	14,205	2,401,211	932,354	28%	-	932,354	-	14,205	0%	7,084	7,084
Wastewater Treatment 2016-2024	894-000	BB Struvite Recovery-Project on hold	TBD	Y	20,193,000	17,943,500	-	17,943,500	2,249,500	11%	-	2,249,500	-	-	0%	-	-
Wastewater Treatment 2016-2024	894-000	BB Dewatering Building	2015-2018	Y	84,997,320	61,325,566	2,554,749	58,770,818	23,671,754	28%	-	23,671,754	-	2,554,749	0%	1,273,996	1,273,996
Wastewater Treatment 2016-2024	894-000	BB Centrate / Supernatant Treatment-Project on hold	TBD	Y	31,006,800	17,190,170	-	17,190,170	13,816,630	45%	-	13,816,630	-	-	0%	-	-
Wastewater Treatment 2016-2024	894-000	FC WWTP Capacity Assessment-Study only	2016-2017	Y	89,090,774	28,063,594	8,482	28,055,111	61,027,180	69%	-	61,027,180	-	8,482	0%	4,230	4,230
Wastewater Treatment 2016-2024	894-000	South Catchment Capacity Upgrade - (removed cost of study)-Project on hold	TBD	Y	316,211,000	99,606,465	-	99,606,465	216,604,535	69%	-	216,604,535	-	-	0%	-	-
Wastewater Treatment 2016-2024		Financing Costs			486,703,782	331,907,358	-	331,907,358	154,796,424	32%		154,796,424	-	-	0%	-	-
Wastewater Treatment 2016-2024					1,612,889,446	815,985,246	6,277,361	809,707,885	796,904,200		-	796,904,200	-	6,277,361		3,130,380	3,130,380
Total Wastewater Treatment					2,717,057,615	1,470,822,002	306,006,242	1,164,815,761	1,246,235,613		38,292,022	1,207,943,591	12,891,780	344,298,263		155,952,745	117,660,723
Water Treatment Plants 2000-2015	891-000	Glenmore Water Treatment Plant (Program 300)	Completed	Y	31,601,592	29,984,956	11,824,242	18,160,714	1,616,636	5%	271,582	1,345,054	91,381	12,095,824	1%	716,404	444,822
Water Treatment Plants 2000-2015	891-000	Glenmore Water Treatment Plant (Program 301)	Completed	Y	22,614,575	21,457,686	8,461,606	12,996,080	1,156,889	5%	194,348	962,541	65,393	8,655,954	1%	512,670	318,322
Water Treatment Plants 2000-2015	891-000	Bears paw Water Treatment Plant (Program 302)	Completed	Y	10,115,576	9,598,096	3,784,905	5,813,191	517,480	5%	86,933	430,548	29,251	3,871,837	1%	229,319	142,386
Water Treatment Plants 2000-2015	891-000	Water Treatment Plant Master Planning	Completed	Y	554,241	465,637	207,378	258,259	88,604	16%	4,763	83,841	1,603	212,141	1%	12,565	7,801
Water Treatment Plants 2000-2015	891-000	Glenmore Dam - Crest Stop Logs	Completed	Y	546,222	534,579	204,378	330,201	11,643	2%	4,694	6,949	1,579	209,072	1%	12,383	7,689
Water Treatment Plants 2000-2015	891-000	Glenmore Space Planning 2012-14	Completed	Y	250,273	238,537	93,644	144,893	11,736	5%	2,151	9,585	724	95,795	1%	5,674	3,523
Water Treatment Plants 2000-2015	891-000	BBWTP Residual Management System	Completed	Y	602,486	571,665	225,430	346,235	30,821	5%	5,178	25,644	1,742	230,607	1%	13,658	8,481

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date ⁵ (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Water Treatment Plants 2000-2015	891-000	Bears paw Yard Piping	Completed	Y	7,923,835	7,518,477	2,964,830	4,553,647	405,358	5%	68,097	337,261	22,913	3,032,927	1%	179,632	111,535
Water Treatment Plants 2000-2015	891-000	Glenmore Bears paw Upgrade (Program 304)	Completed	Y	302,110,529	286,655,525	113,039,499	173,616,026	15,455,004	5%	2,596,315	12,858,689	873,596	115,635,814	1%	6,848,808	4,252,492
Water Treatment Plants 2000-2015	891-000	Chemical System	Completed	Y	4,557,056	4,323,932	1,705,096	2,618,836	233,124	5%	39,163	193,961	13,177	1,744,259	1%	103,308	64,145
Water Treatment Plants 2000-2015	891-000	Sodium Hypochloride System	Completed	Y	1,265,930	1,201,169	473,668	727,501	64,761	5%	10,879	53,882	3,661	484,547	1%	28,698	17,819
Water Treatment Plants 2000-2015	891-000	Pre Treatment / Residuals Facility-Glenmore	Completed	Y	135,519,016	128,586,298	50,706,613	77,879,685	6,932,717	5%	1,164,640	5,768,077	391,873	51,871,253	1%	3,072,199	1,907,559
Water Treatment Plants 2000-2015	891-000	Glenmore Site Work & Serv	Completed	Y	12,792,720	12,138,285	4,786,601	7,351,684	654,434	5%	109,940	544,495	36,992	4,896,541	1%	290,009	180,070
Water Treatment Plants 2000-2015	891-000	BBWTP Residual Management System	Completed	Y	108,052	102,524	40,429	62,095	5,528	5%	929	4,599	312	41,358	1%	2,450	1,521
Water Treatment Plants 2000-2015	891-000	BP Actiflo Air Scour Upgrade	Completed	Y	6,066,123	5,530,816	2,269,737	3,261,078	535,308	9%	52,132	483,176	17,541	2,321,869	1%	137,518	85,386
Water Treatment Plants 2000-2015	891-000	Bears paw RTF Fourth Thickener	Completed	Y	142,528	132,835	53,329	79,506	9,693	7%	1,225	8,468	412	54,554	1%	3,231	2,006
Water Treatment Plants 2000-2015	891-000	Sodium Hypochlorite Bears paw	Completed	Y	19,353,112	18,949,576	7,241,277	11,708,299	403,536	2%	166,319	237,217	55,962	7,407,596	1%	438,733	272,413
Water Treatment Plants 2000-2015	891-000	BP Raw I Pump Station Upgrade	Completed	Y	1,672,980	1,602,921	625,972	976,949	70,059	4%	14,377	55,682	4,838	640,350	1%	37,926	23,549
Water Treatment Plants 2000-2015	891-000	Bears paw Electrical Distribution Center	Completed	Y	823,616	794,473	308,169	486,304	29,142	4%	7,078	22,064	2,382	315,247	1%	18,671	11,593
Water Treatment Plants 2000-2015	891-000	Pre Treatment / Residuals Facility-Glenmore	Completed	Y	28,273	27,074	10,579	16,495	1,199	4%	243	956	82	10,822	1%	641	398
Water Treatment Plants 2000-2015	891-000	Pre Treatment Stage I & II	Completed	Y	4,445,259	4,217,854	1,663,265	2,554,589	227,405	5%	38,202	189,203	12,854	1,701,467	1%	100,773	62,571
Water Treatment Plants 2000-2015	891-000	Glenmore Dam Infrastructure Improvements	Completed	Y	469,740	461,429	175,761	285,668	8,311	2%	4,037	4,274	1,358	179,798	1%	10,649	6,612
Water Treatment Plants 2000-2015	891-000	Glenmore UV Disinfection	Completed	Y	113,298	95,185	42,392	52,793	18,112	16%	974	17,139	328	43,366	1%	2,568	1,595
Water Treatment Plants 2000-2015	891-000	Bears paw UV Disinfection	Completed	Y	871,420	732,681	326,056	406,625	138,739	16%	7,489	131,250	2,520	333,545	1%	19,755	12,266
Water Treatment Plants 2000-2015		Financing Costs			295,431,438	274,912,918	173,166,082	101,746,836	20,518,520	7%	3,975,500	16,543,020	1,337,658	177,141,583	1%	10,486,954	6,511,453

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date ⁵ (\$)	Off-site Levy Cost to Complete ² (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Water Treatment Plants 2000-2015					859,979,889	810,835,129	384,400,938	426,434,191	49,144,760		8,827,187	40,317,573	2,970,132	393,228,125		23,285,196	14,458,008
Water Treatment Plants 2016-2024	891-000	GM WTP Capacity Expansion -Project on hold	TBD	Y	57,890,000	11,520,110	-	11,520,110	46,369,890	80%	-	46,369,890	-	-	0%	-	-
Water Treatment Plants 2016-2024	891-000	BPWTP Capacity Upgrades	2017-2018	Y	6,581,500	1,303,137	-	1,303,137	5,278,363	80%	-	5,278,363	-	-	0%	-	-
Water Treatment Plants 2016-2024	891-000	Bears paw RTF Fourth Thickener	2016-2017	Y	2,586,590	2,172,218	96	2,172,122	414,372	16%	-	414,372	-	96	0%	-	-
Water Treatment Plants 2016-2024	891-000		2022-2022	Y	22,081,000	4,394,119	-	4,394,119	17,686,881	80%	-	17,686,881	-	-	0%	-	-
Water Treatment Plants 2016-2024	891-000	Bears paw UV Disinfection-Project on hold	TBD	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Water Treatment Plants 2000-2015		Financing Costs			28,978,550	13,772,438	-	13,772,438	15,206,111	52%		15,206,111		-	0%		-
Water Treatment Plants 2016-2024					118,117,640	33,162,023	96	33,161,926	84,955,617	-	-	84,955,617	-	96	-	-	-
Total Water Treatment Plants					978,097,529	843,997,152	384,401,034	459,596,118	134,100,377	0%	8,827,187	125,273,190	2,970,132	393,228,222		23,285,196	14,458,008
Total Water and Wastewater					5,339,844,142	3,198,901,234	1,001,893,520	2,197,007,714	2,140,942,908	0%	95,574,502	2,045,368,406	32,170,270	1,097,468,022		278,979,834	183,405,332
Shepard Wetlands 2000-2015	897-000	Ellison Park 68 Street SE Pond Expansion	Completed	Y	5,885,182	-	978,866	(978,866)	5,885,182	100%	2,876,279	3,008,903	204,043	3,855,145	49%	3,855,145	978,866
Shepard Wetlands 2000-2015	897-000	Great Plains Storm	Completed	Y	10,403,685	-	1,730,416	(1,730,416)	10,403,685	100%	5,084,619	5,319,067	360,703	6,815,034	49%	6,815,034	1,730,416
Shepard Wetlands 2000-2015	897-000	60th street wet pond	Completed	Y	3,724,620	-	619,506	(619,506)	3,724,620	100%	1,820,343	1,904,277	129,135	2,439,848	49%	2,439,848	619,506
Shepard Wetlands 2000-2015	897-000	Mahogany Storm Trunk	Completed	Y	7,783,600	-	1,294,624	(1,294,624)	7,783,600	100%	3,804,098	3,979,502	269,863	5,098,722	49%	5,098,722	1,294,624
Shepard Wetlands 2000-2015	897-000	Shepard Wetland Projects	Completed	Y	90,481,854	-	15,049,593	(15,049,593)	90,481,854	100%	44,221,418	46,260,435	3,137,071	59,271,011	49%	59,271,011	15,049,593
Shepard Wetlands 2000-2015	897-000	114 Ave Channel X-ing	Completed	Y	2,325,496	-	386,793	(386,793)	2,325,496	100%	1,136,545	1,188,951	80,627	1,523,339	49%	1,523,339	386,793
Shepard Wetlands 2000-2015	897-000	FL Ck Diversion to Shepard	Completed	Y	1,537,381	-	255,708	(255,708)	1,537,381	100%	751,368	786,013	53,302	1,007,077	49%	1,007,077	255,708
Shepard Wetlands 2000-2015	897-000	114 Ave SE Storm Trunk	Completed	Y	4,549,429	-	756,694	(756,694)	4,549,429	100%	2,223,453	2,325,975	157,732	2,980,147	49%	2,980,147	756,694

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$) (Owed)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ⁵ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁶ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Shepard Wetlands 2000-2015	897-000	130 Ave SE Storm Trunk	Completed	Y	9,312,536	-	1,548,928	(1,548,928)	9,312,536	100%	4,551,338	4,761,197	322,872	6,100,266	49%	6,100,266	1,548,928
Shepard Wetlands 2000-2015	897-000	Shepard Wlands Restoration	Completed	Y	613,768	-	102,086	(102,086)	613,768	100%	299,968	313,800	21,280	402,055	49%	402,055	102,086
Shepard Wetlands 2000-2015	897-000	Trinity East Hills (CFA)	Completed	Y	1,481,534	-	246,419	(246,419)	1,481,534	100%	724,074	757,460	51,366	970,493	49%	970,493	246,419
Shepard Wetlands 2000-2015	897-000	Forest Lawn Creek	Completed	Y	377,373	-	62,767	(62,767)	377,373	100%	184,434	192,939	13,084	247,202	49%	247,202	62,767
Shepard Wetlands 2000-2015	897-000	Master Drainage Plans	Completed	Y	29,107	-	4,841	(4,841)	29,107	100%	14,226	14,882	1,009	19,067	49%	19,067	4,841
Shepard Wetlands 2000-2015	897-000	Trinity East Hills - CFA	Completed	Y	-	-	-	-	-	-	-	-	-	-	0%	-	-
Shepard Wetlands 2000-2015	897-000	Mahogany Storm Trunk	Completed	Y	-	-	-	-	-	-	-	-	-	-	0%	-	-
Shepard Wetlands 2000-2015	897-000	114 Ave SE Storm Trunk	Completed	Y	-	-	-	-	-	-	-	-	-	-	0%	-	-
Shepard Wetlands 2000-2015	897-000	Great Plains Storm	Completed	Y	-	-	-	-	-	-	-	-	-	-	0%	-	-
Shepard Wetlands 2000-2015		Financing Cost			32,967,542	-	5,855,959	(5,855,959)	32,967,542	100%	17,207,032	15,760,510	1,220,668	23,062,992	52%	23,062,992	5,855,959
Shepard Wetlands 2000-2015					171,473,108	-	28,893,201	(28,893,201)	171,473,108		84,899,197	86,573,910	6,022,756	113,792,398		113,792,398	28,893,201
Shepard Wetlands 2016-2024	897-000	Shepard Wetland Projects	2017	Y	10,240	-	-	-	10,240	100%	-	10,240	-	-	0%	-	-
Shepard Wetlands 2016-2024		Financing Cost			4,635	-	-	-	4,635	100%	-	4,635	-	-	0%	-	-
Shepard Wetlands 2016-2024					14,875	-	-	-	14,875		-	14,875	-	-		-	-
Total Shepard Wetlands					171,487,983	-	28,893,201	(28,893,201)	171,487,983		84,899,197	86,588,785	6,022,756	113,792,398		113,792,398	28,893,201
Pine Creek 2000-2015	897-000	Master Drainage Plans	Completed	Y	5,821	-	-	-	5,821	100%	-	5,821	-	-	0%	16,897	16,897
Pine Creek 2000-2015		Financing Costs			-	-	-	-	-	0%	-	-	-	-	0%	-	-
Pine Creek 2000-2015					5,821	-	-	-	5,821	100%	-	5,821	-	-		16,897	16,897
Pine Creek 2016-2024	897-000	Priddis Storm Trunk Outfall - Expropriation of land was required	2016-2020	Y	16,923,780	-	-	-	16,923,780	100%	-	16,923,780	-	-	0%	-	-

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$)	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date ⁵ (\$)	Off-site Levy Cost to Complete ⁶ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁷ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Pine Creek 2016-2024		Financing Costs			8,891,520	-	-	-	8,891,520	100%	-	8,891,520	-	-	0%	-	-
Pine Creek 2016-2024					25,815,300	-	-	-	25,815,300	-	-	25,815,300	-	-	-	-	-
Total Pine Creek					25,821,122	-	-	-	25,821,122	-	-	25,821,122	-	-	-	16,897	16,897
Nose Creek 2000-2015	897-000	Master Drainage Plans	Completed	Y	660,517	-	50,318	(50,318)	660,517	100%	193,885	466,633	15,408	244,203	29%	244,203	50,318
Nose Creek 2000-2015	897-000	Skyview Ranch	Completed	Y	1,018,918	-	77,621	(77,621)	1,018,918	100%	299,088	719,830	23,768	376,709	29%	376,709	77,621
Nose Creek 2000-2015	897-000	West Symons Valley Bio-engineering	Completed	Y	963,593	-	73,406	(73,406)	963,593	100%	282,848	680,745	22,477	356,254	29%	356,254	73,406
Nose Creek 2000-2015	897-000	N. Ridge MacDonald Trunk	Completed	Y	17,784,848	-	1,354,845	(1,354,845)	17,784,848	100%	5,220,472	12,564,375	414,857	6,575,318	29%	6,575,318	1,354,845
Nose Creek 2000-2015	897-000	North Beddington Trunk	Completed	Y	3,025,790	-	230,504	(230,504)	3,025,790	100%	888,175	2,137,615	70,581	1,118,679	29%	1,118,679	230,504
Nose Creek 2000-2015	897-000	North Ridge Macdonald Trunk	Completed	Y	4,258,568	-	324,417	(324,417)	4,258,568	100%	1,250,038	3,008,530	99,337	1,574,455	29%	1,574,455	324,417
Nose Creek 2000-2015	897-000	North Beddington Storm Trunk	Completed	Y	63,246	-	4,818	(4,818)	63,246	100%	18,565	44,681	1,475	23,383	29%	23,383	4,818
Nose Creek 2000-2015		Financing Costs			6,010,033	-	487,256	(487,256)	6,010,033	100%	1,398,883	4,611,150	111,166	1,886,138	23%	1,886,138	487,256
Nose Creek 2000-2015					33,785,513	-	2,603,184	(2,603,184)	33,785,513		9,551,954	24,233,559	759,069	12,155,138		12,155,138	2,603,184
Nose Creek 2016-2024	897-000	North Ridge Macdonald Trunk	2014-2016	Y	261,870	-	505,761	(505,761)	261,870	100%	-	261,870	-	505,761	0%	505,761	505,761
Nose Creek 2016-2024	897-000	Master Drainage Plans	2016-2018	N	2,328,400	2,328,400	0	2,328,400	-	0%	-	-	-	0	0%	0	0
Nose Creek 2016-2024	897-000	144 Av NE Storm Trunk 4	2018-2020	Y	-	-	-	-	-	0%	-	-	-	-	0%	-	-
Nose Creek 2016-2024	897-000	North Beddington Storm Trunk	2015-2017	Y	967,260	-	218,168	(218,168)	967,260	100%	-	967,260	-	218,168	0%	218,168	218,168
Nose Creek 2016-2024		Financing Costs			600,884	-	487,256	(487,256)	600,884	100%	-	600,884	-	487,256	0%	-	-
Nose Creek 2016-2024					4,158,414	2,328,400	1,211,185	1,117,215	1,830,014		-	1,830,014	-	1,211,185		723,930	723,930
Total Nose Creek					37,943,927	2,328,400	3,814,370	(1,485,970)	35,615,527		9,551,954	26,063,573	759,069	13,366,324		12,879,068	3,327,114
Elbow River 2000-2015	897-000	West Springs Trunk (Roads)	Completed	Y	959,191	-	144,833	(144,833)	959,191	100%	877,937	81,254	-	1,022,770	92%	1,022,770	144,833
Elbow River 2000-2015	897-000	Master Drainage Plans	Completed	Y	23,286	-	-	-	23,286	100%	-	23,286	-	-	0%	-	-
Total Elbow River					982,477	-	144,833	(144,833)	982,477		877,937	104,540	-	1,022,770		1,022,770	144,833
Bow River 2000-2015	897-000	Master Drainage Plans	Completed	Y	567,041	-	211,030	(211,030)	567,041	100%	356,011	211,030	-	567,041	63%	567,041	211,030
Bow River 2000-2015	897-000	Edworthy Storm System (Bow Trail / Sarcee)	Completed	Y	75,341	-	28,039	(28,039)	75,341	100%	47,302	28,039	-	75,341	63%	75,341	28,039
Bow River 2000-2015		Financing Costs			-	-	-	-	-	0%	-	-	-	-	0%	-	-
Bow River 2000-2015					642,382	-	239,069	(239,069)	642,382		403,313	239,069	-	642,382		642,382	239,069

Table 16 Water Resources Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr	Total Capital Budget + Financing Costs of Projects ¹ (\$ 2000-2024)	City + Regional Portion of Total Costs (\$)	City Contribution to Date ² (\$)	City + Regional Cost to Complete (\$ (Owed))	Off-site Levy Portion of Budget Costs ³ (\$)	Allocation to levies ⁴ (%)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete ³ (\$)	2016 Levies Spent (\$)	Spent Portion of Project (\$)	Levies Contribution to date ⁴ (%)	Total OSL Cumulative Eligible Costs (2000-2016)	City Front Ended Amount
Bow River 2016-2024	897-000	Riverbend Trunk Pond -Redevelopment	TBD	Y	4,629,720	4,629,720	-	4,629,720	-	0%	-	-	-	-	0%	-	-
Bow River 2016-2024	897-000	Seton Storm Trunk -Project on hold	TBD	Y	7,754,000	-	-	-	7,754,000	100%	-	7,754,000	-	-	0%	-	-
Bow River 2016-2024	897-000	Seton Storm Trunk Ph 2 -Project on hold	TBD	Y	3,500,000	-	-	-	3,500,000	100%	-	3,500,000	-	-	0%	-	-
Bow River 2000-2015		Financing Costs			9,408,145	2,208,415	-	2,208,415	7,199,730	77%	-	7,199,730	-	-	0%	-	-
Bow River 2016-2024					25,291,865	6,838,135	-	6,838,135	18,453,730		-	18,453,730	-	-		-	-
Total Bow River					25,934,247	6,838,135	239,069	6,599,066	19,096,112	74%	403,313	18,692,799	-	642,382		642,382	239,069
Fish Creek 2000-2015	897-000	Master Drainage Plans	Completed	Y	66,268	-	54,561	(54,561)	66,268	100%	11,707	54,561	-	66,268	100%	66,268	54,561
Total Fish Creek					66,268	-	54,561	(54,561)	66,268		11,707	54,561	-	66,268		66,268	54,561
Total Drainage					262,236,024	9,166,535	33,146,034	(23,979,499)	253,069,488		95,744,109	157,325,380	6,781,825	128,890,142		128,419,784	32,675,676
Total Utilities					5,602,080,165	3,208,067,769	1,035,039,554	2,173,028,215	2,394,012,396		191,318,611	2,202,693,786	38,952,095	1,226,358,165		407,399,619	216,081,008

¹ Represents total project costs, actual (2000-2016) and forecasted (2017-2024) capital costs plus actual and forecasted financing costs for debt financed projects. Forecasted Costs are subject to changes depending on the timing and financing arrangements.

² City Contributions to date are from Utility Rate Revenue and/or Drainage Fees

³ The Off-site levy portion of Total Costs for Wastewater Treatment Plants, include Pine Creek historical Costs deferred to Future Expansions. These costs, \$225 Million, were not included in the current Off-site Levy rates.

⁴ % of total costs allocated to Off-site levies.

⁵ As a result of the change in the Off-site levy calculation methodology for Water and Wastewater Treatment Plants to \$/ equivalent population (2016 Off-site Levy Bylaw), the City is absorbing a total of \$280.7 million of system costs related to consume capacity. This downward adjustment is reflected in the reported offsite levy portion of the budget.

Table 16 Water Resources – 2016 Off-site Levies Opening Balances Comparison

City Department	Infrastructure Type	Program / Project #	Total Capital Budget + Financing Costs of Projects (\$) 2000-2015	City + Regional Portion of Total Costs (\$)		Percent allocation to levies %	City + Regional Portion of Total Costs (\$)		Percent allocation to levies %	Off-site Levy Portion of Budget Costs (\$) Decrease ¹
				2011 OSL Bylaw	2011 OSL Bylaw		2016 OSL Bylaw	2016 OSL Bylaw		
Water Resources	Water Distribution 2000-2015	892-000	334,147,070	132,993,849	201,153,221	60%	132,993,849	201,153,221	60%	-
Water Resources	Wastewater Collection 2000-2015	895-000	394,022,010	197,735,692	196,286,318	50%	197,735,692	196,286,318	50%	-
Water Resources	Wastewater Treatment Plants 2000-2015	894-000	1,104,168,169	434,724,229	669,443,941	61%	654,836,757	449,331,413	41%	(220,112,528)
Water Resources	Water Treatment Plants 2000-2015	891-000	859,979,889	750,272,198	109,707,691	13%	810,835,129	49,144,760	6%	(60,562,931)
Water Resources	Shepard Wetlands 2000-2015	897-000	171,473,108	-	171,473,108	100%	-	171,473,108	100%	-
Water Resources	Pine Creek 2000-2015	897-000	5,821	-	5,821	100%	-	5,821	100%	-
Water Resources	Nose Creek 2000-2015	897-000	33,785,513	-	33,785,513	100%	-	33,785,513	100%	-
Water Resources	Elbow River 2000-2015	897-000	982,477	-	982,477	100%	-	982,477	100%	-
Water Resources	Bow River 2000-2015	897-000	642,382	-	642,382	100%	-	642,382	100%	-
Water Resources	Fish Creek 2000-2015	897-000	66,268	-	66,268	100%	-	66,268	100%	-
Total Water Resources			2,899,272,708	1,515,725,968	1,383,546,741	48%	1,796,401,427	1,102,871,281	38%	(280,675,459)

¹ This represents the capital and financing costs absorbed by Utility rates as a result of the change in the Off-site Levy methodology for Plants

Schedule C

Community Services Details (Emergency Response Facilities, Calgary Public Library and Recreation Facilities)

Table 17 Community Services Projects

Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Total Budget of Project (\$)¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies %	Total Potential OSL	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete-City/Other Funding (\$)	City Cost to Complete Total (\$)
Recreation 506-693	Seton Recreation Facility	Aug 2012-Dec 2018	193,548,000	181,105,000	27,994,813	153,110,186.85	12,443,000	8,128,497	4,314,503	1,544,737	36,123,310	-	36,123,310	7,408,186	20,586,627	27,994,813	56,191,814	96,918,373	153,110,187	
Recreation 506-694	Rocky Ridge Recreation Facility	Aug 2012-Sep 2017	181,049,328	132,281,414	55,245,373	77,036,041.13	48,767,914	44,933,250	3,834,664	22,152,251	100,178,623	-	100,178,623	42,013,086	13,232,287	55,245,373	2,000,000	75,036,041	77,036,041	
Recreation 506-698	Great Plains Recreation Facility	Completed	33,400,000	26,246,000	22,396,266	3,849,734.36	7,154,000	7,154,000	-	177	29,550,266	-	29,550,266	10,000,000	12,396,266	22,396,266	-	3,849,734	3,849,734	
Recreation 506-699	Quarry Park Recreation Facility	Completed	63,500,000	55,830,000	47,218,765	8,611,235.47	7,670,000	7,670,000	-	-	54,888,765	-	54,888,765	-	47,218,765	47,218,765	-	8,611,235	8,611,235	
Fire 041-164	Tuscany Temporary Emergency Resp Stn	Sep 2014-May 2018	13,184,505	4,956,505	1,060,127	3,896,378.05	8,228,000	1,958,730	6,269,270	1,937,134	3,018,857	-	3,018,857	316,305	743,822	1,060,127	2,526,000	1,370,378	3,896,378	
Fire 041-165	Evergreen Emergency Response Station	Feb 2011-June 2017	8,965,274	3,819,275	3,819,275	0.00	5,145,999	5,077,036	68,963	2,441	8,896,311	-	8,896,311	3,819,274	1	3,819,275	-	-	-	
Fire 041-166	Royal Vista Emergency Resp Stn	Nov 2012-Dec 2017	17,469,430	7,154,430	6,333,840	820,590.19	10,315,000	6,867,052	3,447,948	2,865,052	13,200,892	-	13,200,892	5,813,297	520,543	6,333,840	820,229	361	820,590	
Fire 041-167	Symons Valley Emergency Resp Stn	Completed	9,719,786	7,221,732	7,221,732	0.00	2,498,054	2,498,054	-	-	9,719,786	-	9,719,786	6,898,617	323,115	7,221,732	-	-	-	
Fire 041-168	Douglas Glen Emergency Resp Stn	Completed	7,796,539	7,668,457	7,668,457	0.00	128,082	128,082	-	-	7,796,539	-	7,796,539	7,668,456	1	7,668,457	-	-	-	
Fire 041-169	Seton Emergency Resp Stn	Dec 2010-April 2017	16,649,899	12,049,899	11,568,010	481,889.00	4,600,000	4,600,000	-	-	16,168,010	-	16,168,010	11,283,265	284,745	11,568,010	111,735	370,154	481,889	
Fire 041-171	NE New Super Station	Jan 2017-Dec 2017	14,949,853	10,985,853	-	10,985,853.00	3,964,000	-	3,964,000	-	-	-	-	-	-	-	-	10,649,853	336,000	10,985,853
Fire 041-172	Station #5 Replacement/Rebuilding	Completed	9,349,738	8,612,913	8,612,913	0.00	736,825	736,825	-	-	9,349,738	-	9,349,738	6,450,000	2,162,913	8,612,913	-	-	-	
Fire 041-175	East Macleod Emergency Station	Jan 2018-Dec 2020	20,000,000	5,000,000	-	5,000,000.00	15,000,000	-	15,000,000	-	-	-	-	-	-	-	-	4,000,000	1,000,000	5,000,000

Table 17 Community Services Projects (continued)

Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Total Budget of Project (\$)¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies %	Total Potential OSL	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete-City/Other Funding (\$)	City Cost to Complete Total (\$)
Fire 041-178	Cornerstone Emergency Response Station	Jan 2018-Dec 2020	17,700,000	2,700,000	-	2,700,000.00	15,000,000	-	15,000,000	-	-	-	-	-	-	-	-	1,700,000	1,000,000	2,700,000
Fire 041-180	West Macleod Emergency Response Station	Jan 2018-Dec 2019	1,000,000	-	-	0.00	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	-	-	-
Fire 042-179	Station 17 Replacement	June 2017-Dec 2020	19,000,000	6,500,000	-	6,500,000.00	12,500,000	-	12,500,000	-	-	-	-	-	-	-	-	-	6,500,000	6,500,000
Fire 044-002	Replace Emergency Units	Ongoing	52,134,903	52,089,817	12,784,914	39,304,903.02	45,086	45,086	-	-	12,830,000	-	12,830,000	34,173,712	-21,388,798	12,784,914	14,142,611	25,162,292	39,304,903	
Civic Partners 479-004	Sage Hill Library	Oct 2016-Oct 2016	3,000,000	-	-	0.00	3,000,000	3,000,000	-	3,000,000	3,000,000	-	3,000,000	0	-	-	-	-	-	-
Total Community Services			682,417,256	524,221,295	211,924,484	312,296,811	158,195,961	92,796,613	65,399,348	31,501,792	304,721,097	-	-	304,721,097	135,844,198	76,080,286	211,924,484	92,142,242	220,154,569	312,296,811

¹ Project Budget - based on approved budget as well as estimated budget up to the end of the project. Forecasted Costs are subject to changes depending on the timing and financing arrangements.

Schedule D

Community Services Details (Transit Buses)

Table 18 Transit Bus Projects

City Department	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	City Contribution to date-Total (\$)	City Cost to Complete-Grant Funding (\$)	City Cost to Complete-City/Other Funding (\$)	City Cost to Complete-Total (\$)
Transit	665-02W	Bus Purchases (2014 to 2018)	2014 to 2015	N (identified on prior levy)	53,095,000	51,751,000	51,751,000	-	1,344,000	1,344,000	-	-	53,095,000	n/a	1,344,000	-	51,751,000	-	51,751,000	-	-	-
Transit	665-02W	Bus Purchases (2014 to 2018)	2016 to 2018	Y	57,371,000	50,213,000	2,246,000	47,967,000	7,158,000	2,412,000	4,746,000	2,412,000	4,658,000	n/a	2,412,000	-	2,246,000	-	2,246,000	47,967,000	-	47,967,000
Transit		Investment Income										(386,000)	-									
Total					110,466,000	101,964,000	53,997,000	47,967,000	8,502,000	3,756,000	4,746,000	2,026,000	57,753,000		3,756,000	-	53,997,000	-	53,997,000	47,967,000	-	47,967,000

¹ Project Budget - based on approved budget as well as estimated budget up to the end of the project. Forecasted Costs are subject to changes depending on the timing and financing arrangements.

	Opening Balance (2016)	2016 Fund Transactions
Levies Collected		3,976,000
Investment Income		386,000
Levies Spent		2,412,000
Cumulative Balance of Levies	17,245,000	19,195,000

Schedule E

Community Services Details (Calgary Police Services)

Table 19 Calgary Police Service Projects

City Department	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identified in the 5 yr Background Report	Total Budget of Project (\$) ¹	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete 3 (\$)	2016 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL (2016)	City front ended amount
Police		Future Dist. Office			35,000,000	-	-	-	35,000,000	-	35,000,000	-	-	-	-	-
Police		2 Land purchases (future district offices N & S)			11,000,000	-	-	-	11,000,000	-	11,000,000	-	-	-	-	-
Police	038-479	1 Customer Service Centre NW (Arrest processing centre by Spy Hill correctional facility)	Q4 2017 - Q4 2019		4,000,000	-	-	-	4,000,000	-	4,000,000	-	-	-	-	-
Total Police					50,000,000	-	-	-	50,000,000	-	50,000,000	-	-	-	-	-

¹ Project Budget - based on approved budget as well as estimated budget up to the end of the project. Forecasted Costs are subject to changes depending on the timing and financing arrangements.

	2011	2012	2013	2014	2015	2016
Collected Acreage Assessments	4,171,469	4,020,979	2,333,520	2,956,342	3,707,994	5,882,184
Actual Acreage Assessments Spent	-	-	-	-	-	-
Remaining Acreage Assessment	4,171,469	4,020,979	2,333,520	2,956,342	3,707,994	5,882,184
Cumulative Balance of Acreage Assessments	11,755,582	15,776,561	18,110,081	21,066,423	24,774,417	30,656,601

Police version has \$85K less as a collection. See note in Schedule D police

