

**Calgary**



## **Off-site Levy**

2018 Annual Report

## **Publishing Information**

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# Introduction

To build great communities, new infrastructure is required both within and beyond the community boundary. Developers contribute to the infrastructure costs that are beyond the community boundary through the payment of off-site levies and community services charges. The Municipal Government Act<sup>1</sup> permits municipalities to charge off-site levies to developers through a bylaw. The levy rates and charges are Council-approved and intended to cover the cost of new or expanded transportation, water, sanitary and storm infrastructure. The community services charges include the growth cost of recreation facilities, libraries, transit buses, emergency response facilities and police stations. Land costs are also included in the off-site levies and community services charges. The levy rate calculation methodology and assumptions are detailed in the Off-site Levy Bylaw 2M2016, which was approved by Council on 2016 January 11 and took effect on 2016 February 1. The bylaw was amended in 2018 November, when additional transportation, water, and sanitary storm infrastructure was added. This amendment took effect on 2019 January.

As part of the authority to collect levies, there is a requirement to report annually. The City of Calgary has prepared detailed reports since 2011 as part of its commitment to open and transparent governance. These reports are available on [calgary.ca](http://calgary.ca). The 2018 Annual Off-site Levy Report provides details on the off-site levies and community services charges that were collected and spent in 2018. The closing balance will be used to fund future capital infrastructure investment projects that align with Council priorities, and allocated through The City's budget process.

The City of Calgary is continuing to work collaboratively with members of the development industry to examine the approach to off-site levies and community services charges. A review has begun with plans to have a new bylaw in place by 2021. This review will require broad stakeholder consultation and input from most of The City Departments. We would like to thank you all for your help and input for this report and the upcoming bylaw review.

As per the details in Bylaw 2M2016, Off-site levy rates are updated annually and posted on [calgary.ca](http://calgary.ca).



<sup>1</sup>Section 648 of the Municipal Government Act, as amended.

# Overview

Off-site levies are one of the tools used to help fund the infrastructure required to build great communities. Table 1, shows the off-site levies collected and spent in 2018, as well as the 2018 closing balance in the off-site levy account. This closing balance of \$375,081,533 is the amount on hand to fund ongoing and future levy-eligible capital projects. To reconcile to The City's Annual Report (the financial statements), a number of accounting adjustments must be made and are identified in Table 2. In Q4 2019, The City Auditor will present a report with recommendations on how to improve the levy reporting process. These recommendations should help to simplify the reconciliation to The City's Annual report and the levy reporting process as a whole.

Since levies are collected as land development proceeds, it can take The City many years to build up enough resources to support a capital infrastructure project. To help move ahead with projects in a timely manner to support development, infrastructure identified in the off-site levy program may be funded using a combination of levy funds and other funding sources, such as capital grants. This often results in a positive balance in the levy accounts at the end of the year. This balance will be spent to support new and ongoing infrastructure projects in future years. Any reconciliation related to the use of other funding sources will occur as part of the next off-site levy bylaw review, scheduled for completion by 2021 January 1. For more detail on the off-site levies collected and spent, the rest of the report includes summary pages by department (and service line) and appendices with project specific details.

**Table 1:** Off-site Levies Balance Collected and Spent

Opening Balance, Off-site Levies on 2018 January 01	435,733,428
Adjustments to 2017 Report and 2018 Opening Balance <sup>1</sup>	4,403,517
Restated Opening Balance, Off-site Levies on 2018 January 01	<b>\$440,136,945</b>
Total Off-site Levies Collected	69,155,654
Density Incentive Program Transfer	2,232,146
Investment Income Received	9,677,560
Off-site Levies Spent	(146,120,772)
<b>Closing Balance, Off-site Levies on 2018 December 31</b>	<b>\$375,081,533</b>

<sup>1</sup> For details on these adjustments, see individual balance summaries in Tables 9-16.

**Table 2:** Off-site Levies Balance as per Annual Report on 2018 December 31

Off-site Levy Year-End Balance as per Financial Statements (2018 Dec 31) <sup>1</sup>	286,848,658
Off-site Levies paid by The City of Calgary <sup>2</sup>	23,460,845
Off-site Levy Held in Reserves (Water)	81,202,437
Non-Off-site Levy Deposits <sup>3</sup>	(16,430,407)
<b>Balance, Off-site Levies on 2018 December 31</b>	<b>\$375,081,533</b>

<sup>1</sup> The City of Calgary 2018 Annual Report can be found on Calgary.ca. Refer to part Notes to Financial Statements, Section 11 Capital Deposits.

<sup>2</sup> City of Calgary Off-site Levies (internal transactions) are eliminated during the financial statement consolidation. For the purposes of the Off-site Levy Annual Report, these adjustments are included. These levies represent charges incurred through development by The City of Calgary.

<sup>3</sup> These include funds from the Centre City Levy and the South Foothills Special Assessment.



# Total Levies Collected and Spent

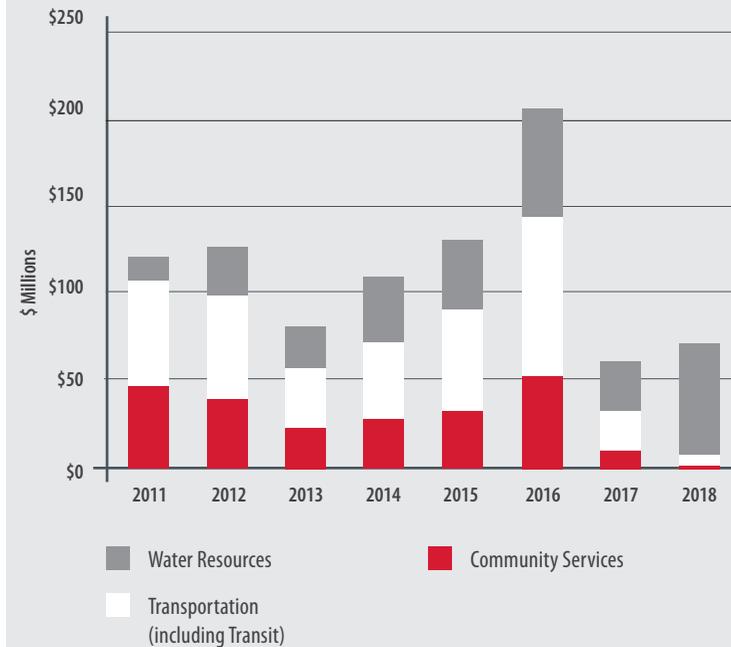
In 2018 a total of \$71,387,800 in off-site levies was collected, where development projects paid \$69,155,654 in levies and \$2,232,146 was transferred to the levy account as part of the Density Incentive Program (details in Table 6).

In 2018, The City spent \$146,120,772 from the levy account on capital projects.

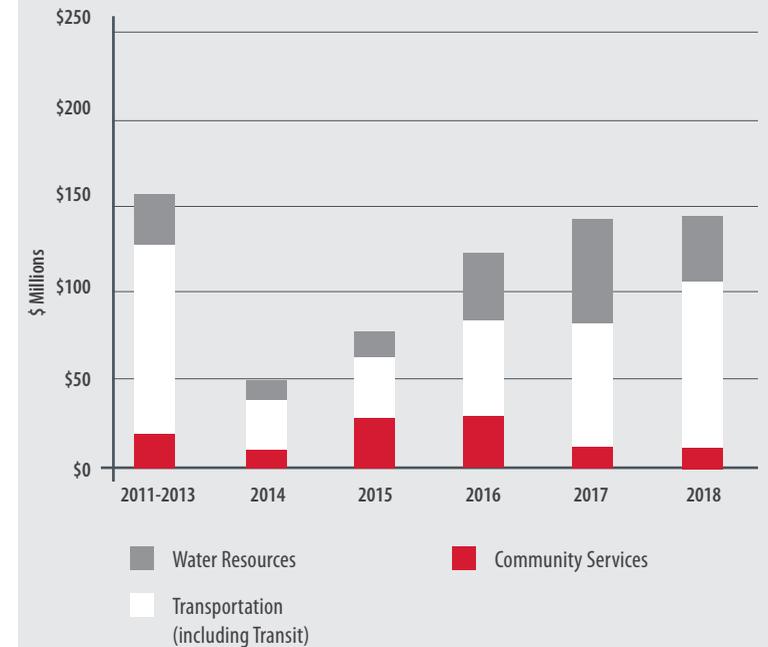
Figure 1 shows the levies collected since 2011 for each department. The high collections in 2016 and the subsequent lower collections in 2017 and 2018 are a result of adopting the new levy bylaw in 2016 and the shift to a four-year collection timeframe. The changing proportion of levies collected by department is also a result of the 2016 Off-site Levy Bylaw: within the four-year payment period, Water Resource levies are collected first, Transportation levies are collected second, and Community Services (including Transit) levies are collected third.

Figure 2 shows the levies spent since 2011 for each department. Using levy funds for capital infrastructure is challenging because the timing of levy collection does not always match when the infrastructure is required. However, The City has various funding sources available to pay for capital infrastructure and may fund or finance the levy portion of the cost from other funding sources. This results in an outstanding balance of levy funds for a time. These balances are drawn down as projects progress and other funding sources are exhausted. The benefit of using alternate funding sources to support capital infrastructure is that more projects are able to move ahead than may have been realized if levies were the only source of funding. Keeping an account of what is budgeted and what is spent is important for the calculation of the levy. Further explanation of the levy calculation and the carry forward of the levy fund balance is detailed in Bylaw 2M2016, Schedule C.

**Figure 1:** Total Levies Collected (by department)



**Figure 2:** Total Levies Spent (by department)



# Development Agreements Per Year

Development agreements and development permits are tracked to understand where levies have been assessed and collected. This is important to for capital budgeting and forecasting purposes.

In 2018, development agreements were executed for 392 hectares of development. Table 3 shows the annual volume of development agreement areas and the breakdown of levies received by type of development (industrial, commercial and residential). In order to accurately reflect what levies will be received, Table 3 has been split into "Executed" development agreements and "Cancelled" development agreements. For a variety of reasons, development agreements executed in one year may be cancelled in that year or a later year. In order to report accurate records, it is necessary to reconcile previously reported totals if agreements are subsequently cancelled.

A Density Incentive Program was included in Bylaw 2M2016 to help incentivise redevelopment in the established area. When a development reaches a density at or above 285 equivalent persons per hectare, their levy rate is capped and they do not need to pay for the additional units or square meters of development space. The difference in levy rate between the capped density and the actual density is paid for through the Established Area Redevelopment Incentive Budget ("EARIB") which is funded through property tax. In 2018, seven approved DP applications exceeded the maximum density at a median density of 529 equivalent population per hectare, and \$2,232,146 was transferred to Water Resources to cover the difference in treatment plant levy collections. Table 6 lists the Established Area development permits that qualified for the Density Incentive Program.

Table 4 shows the breakdown levies collected by the Greenfield and Established Areas, starting in 2016. Levies collected in the Greenfield area are done through development agreement (at the subdivision stage) and collected on a per hectare rate, whereas levies collected in the Established Area are collected through development permit and are collected per unit for residential development or metre squared for commercial/industrial development. As a result, the percentages in Table 4 are not indicative of total growth in either area.

Figure 3 identifies the Established and the Greenfield Areas. The Greenfield Area is divided into six different watersheds for the purposes of the stormwater levy. The sanitary, water, and transportation levies and community services charges are all applied equally across the Greenfield Area. The Treatment plant levy is applied citywide, including in the Established area. In 2018, 344 development permits in the Established Area paid the Treatment Plant Levy. The breakdown of these permits and payments are summarized in Table 5.

**Table 3:** Development Agreements by Type

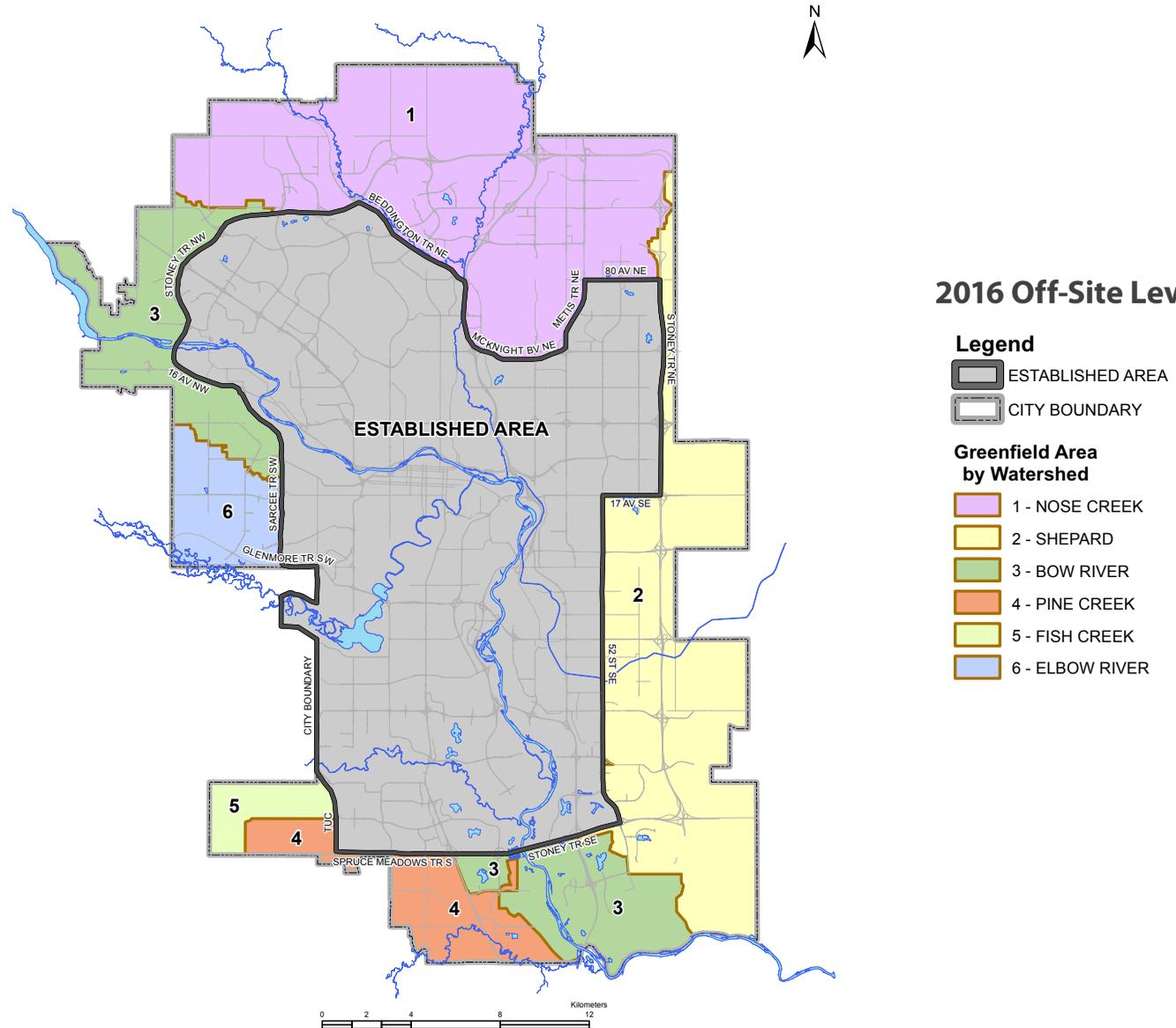
Type of Development	2011	2012	2013	2014	2015	2016	2017	2018
Residential (ha)	260	208	214	243	533	109	359	349
Commercial (ha)	69	0	0	81	49	12	0	8
Industrial (ha)	86	62	39	76	172	0	0	35
<b>Total Executed and In Force (ha)</b>	<b>415</b>	<b>270</b>	<b>253</b>	<b>400</b>	<b>754</b>	<b>121</b>	<b>359</b>	<b>392</b>
Cancelled Residential (ha)	25	5	0	0	31	0	4	0
Cancelled Commercial (ha)	23	0	0	0	0	0	0	0
Cancelled Industrial (ha)	0	0	0	0	0	0	0	0
<b>Total In Force and Cancelled (ha)</b>	<b>463</b>	<b>275</b>	<b>253</b>	<b>400</b>	<b>785</b>	<b>121</b>	<b>363</b>	<b>392</b>

**Table 4:** Development Agreements by Location

Location of Development	Number of Development Agreements		
	2016	2017	2018
Greenfield Area	12	42	51
Established Area	8	3	6
<b>Total<sup>1</sup></b>	<b>20</b>	<b>45</b>	<b>57</b>

Location of Development	Hectares of Development Agreements					
	2016		2017		2018	
	# (HA)	%	# (HA)	%	# (HA)	%
Greenfield Area	79	66%	343	96%	374	95%
Established Area	42	34%	16	4%	18	5%
<b>Total</b>	<b>121</b>		<b>359</b>		<b>392</b>	

**Figure 3:** Map of Established Area and Greenfield Area (by Watershed)



**2016 Off-Site Levy Rates**

- Legend**
- ESTABLISHED AREA
  - CITY BOUNDARY
- Greenfield Area by Watershed**
- 1 - NOSE CREEK
  - 2 - SHEPARD
  - 3 - BOW RIVER
  - 4 - PINE CREEK
  - 5 - FISH CREEK
  - 6 - ELBOW RIVER

A Density Incentive Program was included in Bylaw 2M2016 to help incentivise redevelopment in the established area. When a development reaches a density at or above 285 equivalent persons per hectare, their levy rate is capped and they do not need to pay for the additional units or square metres of development space. The difference in levy rate between the capped density and the actual density is paid for through the Established Area Redevelopment Incentive Budget (“EARIB”) which is funded through property tax. In 2018, seven approved DP applications exceeded the maximum density at a median density of 529 equivalent population per hectare, and \$2,232,146 was transferred to Water Resources to cover the difference in treatment plant levy collections. Table 6 lists the Established Area development permits that qualified for the Density Incentive Program.

**Table 5:** Development Permits in Established Area

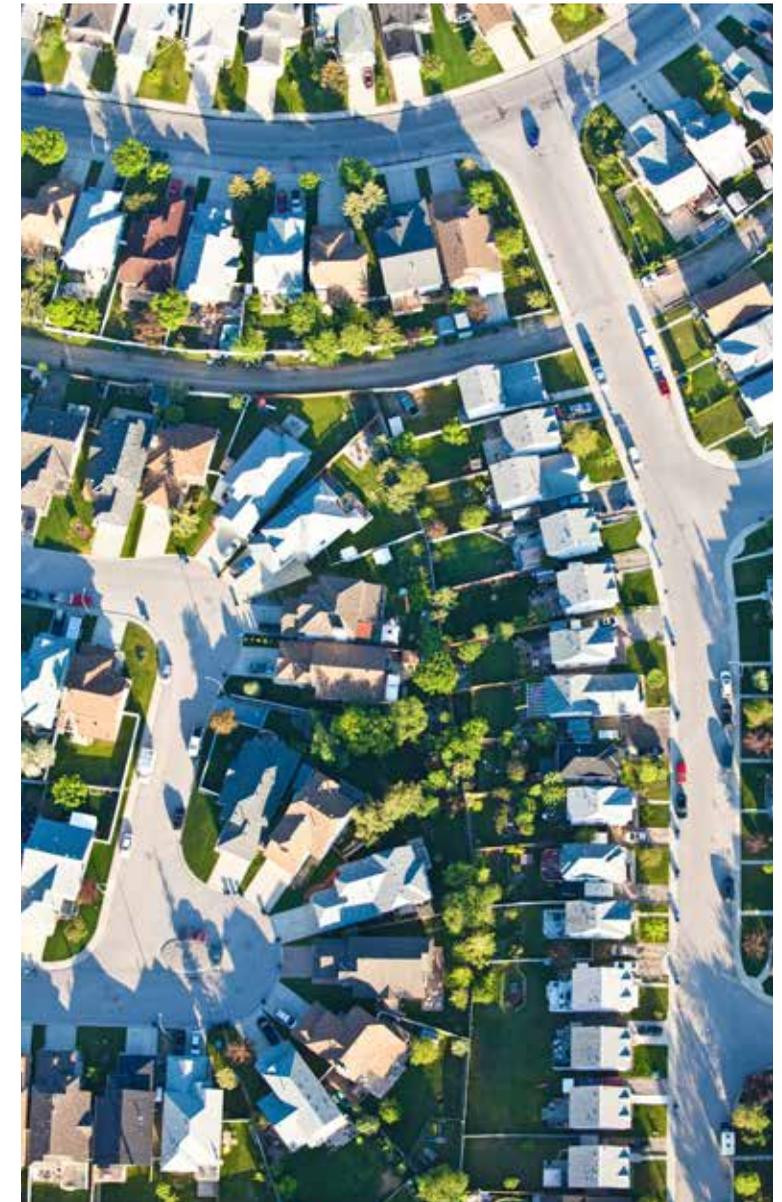
	2018
Residential Development Permits	328
Retail/Commercial Development Permits	12
Industrial Development Permits	3
Mixed-Use Development Permits	1
<b>Total Development Permits</b>	<b>344</b>
Established Area levy collected	5,077,447
EARIB Allocated to Water Resources <sup>1</sup>	2,232,146
<b>Total Established Area Levy</b>	<b>\$7,309,593</b>

<sup>1</sup>The Density Incentive Program is paid for by property tax funding allocated through the EARIB, or Established Area Redevelopment Incentive Budget.

**Table 6:** Density Incentive Program Development Permits in 2018

Development Permit	Maximum Levy Density (EP/Ha)	Development Density (EP/Ha)	EARIB (\$)
DP2017-3405	285	333	\$30,220
DP2017-4983	285	529	\$11,375
DP2017-2379	285	1,917	\$656,301
DP2018-1392	285	518	\$50,948
DP2018-1058	285	688	\$451,507
DP2017-3023	285	380	\$750,033
DP2018-1076	285	1,426	\$281,763
<b>Total</b>			<b>\$2,232,146</b>

EP = Equivalent Population



# Levy Expenditures by Service Line

Through the One Calgary 2019-2022 Service Plans and Budgets (see Report C2018-1158), The City has moved towards a service line approach to planning and budgeting. This approach, identifying each of The City's 61 services, will make it clearer to Council and citizens the services The City provides, how much those services cost, and how funds managed by The City are being invested to deliver value.

The Off-site Levy program supports 11 of The City's 61 service lines. Table 7 identifies the 2018 levy expenditures by service line, as well as the number of projects within each service line that the off-site levies have or continue to support.

**Table 7:** Off-site Levy Information by Service Line

Service Line	Total 2018 Levy Funds Spent (\$)	# of Active or Future Levy Projects <sup>1</sup>	# of Past Levy Projects <sup>1</sup>
Wastewater Collection & Treatment	17,249,639	44	76
Water Treatment & Supply	7,395,468	27	91
Streets	91,984,242	22	52
Stormwater Management	13,763,730	11	33
Fire & Emergency Response	2,886,486	8	5
Police Services	0	3	0
Public Transit	1,497,563	2	1
Recreation Opportunities	10,714,503	1	3
Land Development Offsite Road	625,473	1	0
Sidewalks & Pathways	3,668	1	5
Library Services	0	1	0
<b>Total</b>	<b>\$146,120,772</b>	<b>121</b>	<b>266</b>

<sup>1</sup> Each phase of one infrastructure program may correlate to a different project identifier. These counts refer to the number of projects identified in the tables in the Appendices to this report.

# Transportation Summary

The transportation component of the levy includes capital projects identified in the Calgary Transportation Plan; the projects are prioritized through the One Calgary service plan and budget process. The amount collected in 2018 for both transportation and transit, as shown in Tables 8 and 9, is \$5,811,925 and \$88,913 respectively. More detail can be found in Schedule A – Transportation Details.

Through the 2018 review, a few errors in the 2017 reported balance were identified. Table 8 includes restatements of the 2017 amounts in order to reconcile the 2018 balance. The cumulative fund balance for both Transportation and Transit is \$104,767,678 as shown in the reconciliation in Table 10. The levy balances in Tables 8 – 11 are committed to the greenfield share of projects that align with the One Calgary Service Plans and Budget.

The Transportation levies support 4 service lines (Streets, Public Transit, Land Development Offsite Road, and Sidewalks and Pathways). Details on the services lines can be found in Table 7.

**Table 8:** Transportation Balance

Balance Forward	2018 Jan 1	165,544,008
Off-site Levy Collected	2018	5,811,925
Investment Income Earned	2018	6,592,361
Capital Expenditures	2018	(92,613,383)
Unadjusted 2018 Closing Balance		<b>85,334,910</b>
Off-site Levy Collected <sup>1</sup>	2017	(63,912)
Investment Income Earned <sup>2</sup>	2017	(56,711)
Capital Expenditures <sup>3</sup>	2017	(149,984)
Adjustments to 2017 Balance		<b>(270,606)</b>
<b>Closing Balance of Levies on 2018 Dec 31</b>		<b>85,064,304</b>

<sup>1</sup> This addition is an adjustment to the reported 2017 balance.

<sup>2</sup> This addition is an adjustment to the reported 2017 balance.

<sup>3</sup> This addition is an adjustment to the reported 2017 balance for the 2017 expenditures for Program 129-143 "Subdivision construction, various locations."

**Table 9:** Transit Balance (Busses)

Balance Forward	2018 Jan 1	20,476,675
Off-site Levy Collected	2018	88,913
Investment Income Earned	2018	635,347
Capital Expenditures	2018	(1,497,563)
<b>Closing Balance of Levies on 2018 Dec 31</b>		<b>19,703,373</b>

**Table 10:** Transportation and Transit Reconciliation

Transportation Balance on 2018 Dec 31	85,064,304
Transit Balance on 2018 Dec 31	19,703,373
<b>Closing Balance, Transportation on 2018 December 31</b>	<b>104,767,678</b>

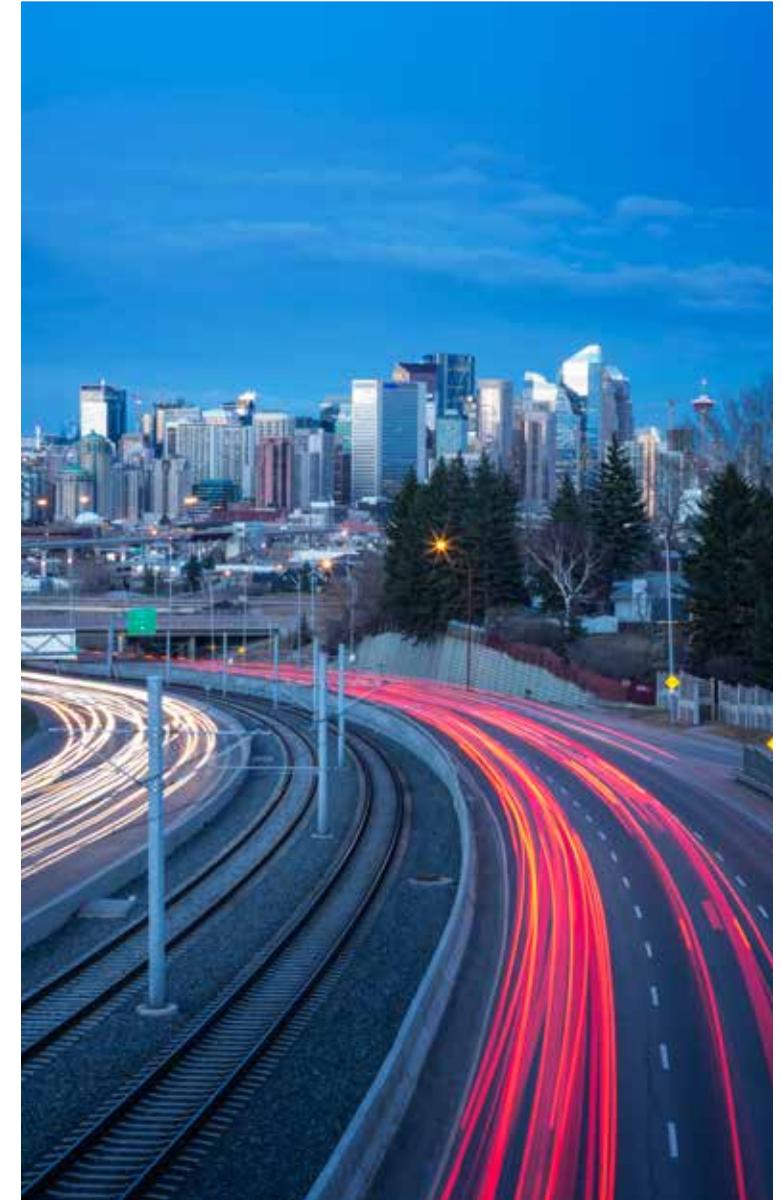
Since 2014, the off-site levy annual reports have included a Transportation Adjusted Fund Balance (the “TAFB”). The TAFB was intended to reconcile the amount front-ended by The City through other sources against the levies collected but unspent in the accounts. In some instances, other funding or financing sources may come available for levy-eligible projects, such as capital grants. By using grants on certain levy-eligible capital projects, The City can allocate the levy collections towards other levy-eligible capital projects, thereby advancing more capital projects than if the grants had not been utilized. The TAFB presents what the account balances would be if The City had not used alternative financial sources to advance the levy-eligible capital projects. In 2018, without other financial sources, The City would not have been able to proceed with \$71,273,753 levy-eligible capital projects.

Historically, in calculating the TAFB, the growth portion allocated to developers and The City’s portion of the costs were calculated based on the spent portion of the projects. However, in 2017, the calculation was adjusted so the amount was based on the total budget of a project, regardless of the stage of construction. Therefore, in Table 11, the Adjusted Fund Balance is the balance based on the total budget of the project, instead of the spent portion.

**Table 11:** Transportation Adjusted Fund Balance

Year	Total Fund Balance December (\$)	Net amount The City front-ended (\$)	Adjusted Fund Balance <sup>1</sup> (\$)
2014	150,747,231	151,180,256	(433,025)
2015	172,538,000	136,748,980	35,789,020
2016	212,069,200	154,461,020	57,608,180
2017	165,544,008	145,130,270	20,413,738
2018	104,767,678	176,041,431	(71,273,753)

<sup>1</sup> The Adjusted Fund Balance is calculated based on the total budget of a project.



# 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; these projects are prioritized through the service plan and budget process. The treatment plant levy was phased in over 3 years and, in 2018, the full levy rate came into effect city-wide. The total amount of levies collected from development projects in 2018 was \$61,593,952 as shown in Table 12, and an additional \$2,232,146 was transferred to the levy account from the Density Incentive Program. A total of \$38,408,836 of the levy funds was used to pay for capital projects.

Through the 2018 review, adjustments were identified to include investment income earned in 2016-2017 and 2017 deferred revenue in the off-site levy balance. Table 12 includes restatements of the 2017 amounts in order to reconcile the 2018 balance. The remaining balance of \$91,579,770 is committed to offset outstanding debt obligations related to the financing of current growth infrastructure, and to enable future infrastructure.

Details of the levy collections by area are included in Table 13, which also details the amounts allocated to Water Resources and Water Services from the EARIB through the Density Incentive Program. Details of specific projects are shown in Schedule B – Water Resources Details.

The Water Resources levies support 3 service lines (Wastewater Collection & Treatment, Water Treatment & Supply, and Stormwater Management). Details on the services lines can be found in Table 7.

**Table 12:** Levies Reconciliation – Water Resources and Water Services

		Balance
<b>Water, Sanitary Sewer and Storm Levies in the Sustainment Reserves</b>		
Balance Forward	2018 Jan 1	59,038,533
Off-site Levy Collected	2018	61,593,952
Investment Income Earned	2018	2,449,852
Density Incentive (EARIB) program	2018	2,232,146
Capital Expenditures	2018	(38,408,836)
		<b>86,905,646</b>
ADD: Investment Income Earned <sup>1</sup>	2016-2017	4,539,229
ADD: Deferred Revenue in capital deposit <sup>2</sup>	2017	134,895
		<b>4,674,124</b>
<b>Balance, Off-site Levy</b>		<b>\$91,579,770</b>

<sup>1</sup> In 2016-2017, the investment income earned on the Off-site Levy collections has not been included in the Off-site Levy Balance. To correct this, the interest earned in 2016-2017 must be added in.

<sup>2</sup> In the 2017 Annual Report, deferred revenue was not included in the off-site levy balance. This addition is an adjustment to the reported 2017 balance.

**Table 13:** 2018 Collection – Water Resources and Water Services

<b>Greenfield</b>	
<b>Treatment Plant</b>	
Water	5,999,910
Wastewater	27,076,355
Water Distribution	8,253,074
Wastewater Collection	11,351,634
<b>Storm Sewer</b>	
Shepard	1,260,803
Pine Creek	875,092
Nose Creek	1,342,155
Elbow River	0
Bow River	357,481
Fish Creek	0
<b>Total Greenfield Areas</b>	<b>56,516,505</b>
<b>Established Area- Development Permit</b>	
<b>Treatment Plants</b>	
Water	913,940
Wastewater	4,163,507
<b>Density Incentive Program</b>	
Water	401,786
Wastewater	1,830,360
<b>Total Established Areas</b>	<b>7,309,594</b>
<b>Total 2018 Collections</b>	<b>\$63,826,098</b>

# Community Services Summary

The Community Services Charges 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.

A total of \$1,491,156 was collected for community services (excluding transit and police) in 2018, and the closing balance is \$146,530,435. This balance will help fund projects for 2019 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. A total of \$169,708 was collected for police stations in 2018. Schedule C, D and E – Community Services Details shows project specific information.

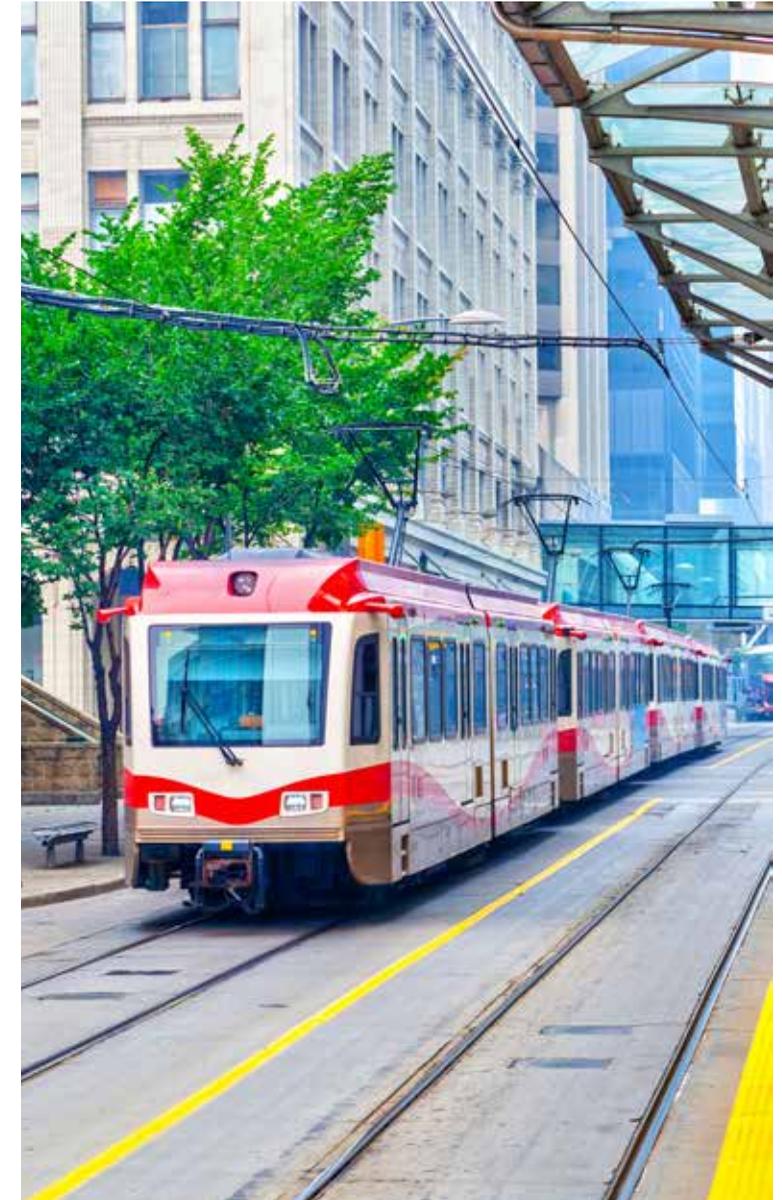
The Community Services levies support 4 service lines (Fire & Emergency Response, Police Services, Recreation Opportunities, and Library Services). Details on the services lines can be found in Table 8.

**Table 14:** Levies Balance - Community Services (Emergency Response Facilities, Calgary Public Library and Recreation Facilities Levy)

Balance Forward on 2018 January 1	158,640,269
Off-site Levy Collected in 2018	1,491,156
Capital Expenditures in 2018	(13,600,990)
<b>Balance, off-site Levy on 2018 December 31</b>	<b>\$146,530,435</b>

**Table 15:** Levies Balance - Community Services (Police)

Balance Forward, Off-site levies on 2018 January 1	32,033,943
Off-site Levy Collected in 2018	169,708
Capital Expenditures in 2018	-
<b>Closing Balance of Levies on 2018 December 31</b>	<b>\$32,203,651</b>



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# Schedule A – Transportation Details

Table 16 shows the detailed projects and amounts of the Transportation off-site levies spent. The transportation department receives an investment income on the levies balance, and this income is credited back to the levies balance. The investment income is reported in Tables 9 and 10 to calculate the balance of the levies account.

**Table 16:** 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 5 yr Background Report	City Payments			Off-Site Levy Payments				Spent portion of project	Percent allocation to levies	Levy Allocation			City Payments: Funding Source					
					Total Budget of Project (\$)	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 (\$)			2018 Levies Spent (\$)	2018 Levies Spent (\$)	Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	[C] City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete-City/Other Funding (\$)
Roads	128-885	Bridge Rehabilitation and Protection (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	-	-	-
Roads	129-175	Intersection Upgrades - Sherrif King	2014 to 2015	N (complete-identified on prior levy)	8,433,000	-	-	-	8,433,000	8,433,000	-	-	8,433,000	76%	6,409,080	2,023,920	-	-	-	-	-	-
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)	26,420,785	26,420,785	26,420,785	-	-	-	-	-	26,420,785	60%	15,852,471	(15,852,471)	21,352,010	5,068,775	26,420,785	-	-	-
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	-	-	-
Roads	129-204	Development of Access Roads (multiple projects 2014 to 2018)	2016 to 2018	N (identified on prior levy)	26,198,240	3,042,036	3,042,036	-	23,156,204	23,156,204	-	7,179,489	26,198,240	60%	15,718,944	7,437,260	2,692,497	349,539	3,042,036	-	-	-
Roads	129-204	Development of Access Roads (multiple projects 2019 to 2022)	2019 to 2022	Y	6,932,013	6,436,503	-	6,436,503	495,510	-	495,510	-	-	60%	4,159,208	(4,159,208)	-	-	-	6,436,503	-	6,436,503

<sup>1</sup> Info to come.

**Table 16:** 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 (\$)	City Payments			Off-Site Levy Payments				Spent portion of project	Percent allocation to levies	Levy Allocation		City Payments: Funding Source					
						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 (\$)	2018 Levies Spent (\$)			Financing Spreadsheet	Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	[C] City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete-City/Other Funding (\$)
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	9,666,752	5,185,840	5,185,840	-	4,480,912	4,480,912	-	1,174,096	9,666,752	60%	5,800,051	(1,319,139)	4,923,942	261,898	5,185,840	-	-	-
Roads	127-130	New Traffic Signals & Pedestrian Corridors various location 2019 to 2022)	2019 to 2022	Y	13,274,832	12,861,928	-	12,861,928	412,904	-	412,904	-	-	60%	7,964,899	(7,964,899)	-	-	-	10,660,826	2,201,102	12,861,928
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)	4,729,716	1,509,672	1,509,672	-	3,220,044	3,220,044	-	163,000	4,729,716	60%	2,837,830	382,214	452,875	1,056,797	1,509,672	-	-	-
Roads	A481352	RD-Dev Infrastructure-AD	2019 to 2022	Y	37,900,000	28,855,000	-	28,855,000	9,045,000	-	9,045,000	-	-	60%	22,740,000	(22,740,000)	-	-	-	-	28,855,000	28,855,000
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	-	-	-

<sup>1</sup> Info to come.

Table 16: 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	City Payments			Off-Site Levy Payments				Spent portion of project	Levy Allocation			City Payments: Funding Source						
					Total Budget of Project (\$)	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 (\$)		2018 Levies Spent (\$)	Percent allocation to levies	Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	[C] 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	211-002	Shaganappi Trail and Edgemont Boulevard CHB	2005 to 2013	N (complete-identified on prior levy)	25,874,000	7,673,000	7,673,000	-	18,201,000	18,201,000	-	-	25,874,000	17%	4,398,580	13,802,420	7,442,000	231,000	7,673,000	-	-	-
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)	5,140,000	894,000	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	-	-	-
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	-	-	-

<sup>1</sup> Info to come.

**Table 16:** 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 (\$)	City Payments			Off-Site Levy Payments				Spent portion of project	Levy Allocation			City Payments: Funding Source					
						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 (\$)	2018 Levies Spent (\$)		(Financing Spreadsheet)	Percent allocation to levies	Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	[C] City Contribution to date Total (\$)	City Cost to Complete-Grant Funding (\$)	City Cost to Complete-City/Other Funding (\$)
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 2018	Y	-	(5,904)	(5,904)	(0)	5,904	5,904	-	5,904	-	15%	-	5,904	-	(5,904)	(5,904)	-	-	-
Transportation Infrastructure	149-001	Glenmore Tr Widening (Crowchild Tr to 37 St SW)	2019 to 2022	Y	39,730	94	-	94	39,637	-	39,637	-	-	15%	5,960	(5,960)	-	-	-	-	94	94
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 2018	N (identified on prior levy)	13,574,015	8,137,914	8,137,914	-	5,436,101	5,436,101	-	223,101	13,574,015	15%	2,036,102	3,399,998	8,133,000	5,000	8,138,000	-	-	-
Transportation Infrastructure	150-001	McKnight Widening (12-19 St NE)	2019 to 2022	N (identified on prior levy)	118,160	-	-	-	118,160	-	118,160	-	-	15%	17,724	(17,724)	-	-	-	-	-	-
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	-	-	-
Transportation Infrastructure	151-001	Glenmore/Ogden Interchange	2016 to 2018	Y	58,910,248	46,159,140	46,159,140	-	12,751,107	12,751,107	-	2,297,107	58,910,248	15%	8,836,537	3,914,570	44,659,524	1,499,616	46,159,140	-	-	-
Transportation Infrastructure	151-001	Glenmore/Ogden Interchange	2019 to 2022	Y	4,352,568	1,295,050	-	1,295,050	3,057,518	-	3,057,518	-	-	15%	652,885	(652,885)	-	-	-	1,295,050	-	1,295,050
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 2018	Y	22,114,166	10,345,124	10,345,124	-	11,769,042	11,769,042	-	(7,244,246)	22,114,166	60%	13,268,499	(1,499,458)	10,213,268	131,856	10,345,124	-	-	-
Transportation Infrastructure	221-000	Future Land (2014 to 2018)	2019 to 2022	Y	46,478,304	6,089,876	-	6,089,876	40,388,428	-	40,388,428	-	-	60%	27,886,982	(27,886,982)	-	-	-	2,236,732	3,853,144	6,089,876
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	-	-	-

<sup>1</sup> Info to come.

Table 16: 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	City Payments				Off-Site Levy Payments				Levy Allocation			City Payments: Funding Source						
					Total Budget of Project (\$)	City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$) Up to Dec 31 2018	Off-site Levy Cost to Complete (\$)	2018 Levies Spent (\$) (Financing Spreadsheet)	Spent portion of project	Percent allocation to levies	Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	[C] 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	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	30,783,429	10,133,245	10,133,245	-	20,650,185	20,650,185	-	5,955,185	30,783,429	60%	18,470,058	2,180,127	9,419,245	714,000	10,133,245	-	-	-
Transportation Infrastructure	543-001	Connectors/Improv - Prov Ring Rd Projects (2014 to 2018))	2019 to 2022	Y	9,737,517	2,527,785	-	2,527,785	7,209,732	-	7,209,732	-	-	60%	5,842,510	(5,842,510)	-	460,726	2,067,059	2,527,785	-	-
Transportation Infrastructure	555-001	Deerfoot & 212 Ave Ramps	2017 to 2018	Y	13,286,726	8,842,039	8,842,039	-	4,444,687	4,444,687	-	4,440,122	13,286,726	60%	7,972,036	(3,527,348)	4,420,584	4,420,584	8,841,169	-	-	-
Transportation Infrastructure	555-001	Deerfoot & 212 Ave Ramps	2019 to 2022	Y	25,713,274	17,158,831	-	17,158,831	8,554,443	-	8,554,443	-	-	60%	15,427,964	(15,427,964)	-	8,579,416	8,579,416	17,158,831	-	-
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 2018	N (identified on prior levy)	1,674,911	465,655	465,655	-	1,209,256	1,209,256	-	25,256	1,674,911	60%	1,004,947	204,310	465,655	-	465,655	-	-	-
Transportation Infrastructure	558-001	44 St Expressway: 64 Av - 80 Av NE	2019 to 2022	N (identified on prior levy)	5,917	-	-	-	5,917	-	5,917	-	-	60%	3,550	(3,550)	-	-	-	-	-	-
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 2018	Y	114,682,737	114,682,737	114,682,737	-	-	-	-	-	114,682,737	15%	17,202,411	(17,202,411)	115,214,425	(531,688)	114,682,737	-	-	-

<sup>1</sup> Info to come.

**Table 16:** 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	City Payments				Off-Site Levy Payments				Levy Allocation			City Payments: Funding Source						
					Total Budget of Project (\$)	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 (\$)	2018 Levies Spent (\$)	Spent portion of project	Percent allocation to levies	Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/ Other Funding (\$)	[C] 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)	2015	Y	669,000	669,000	669,000	-	-	-	-	-	669,000	17%	113,730	(113,730)	635,000	34,000	669,000	-	-	-
Transportation Infrastructure	567-001	61 Av & MacLeod Tr SW Ped O/P (only)	2016 to 2018	Y	14,378,002	14,378,002	14,378,002	-	-	-	-	-	14,378,002	15%	2,156,700	(2,156,700)	11,508,002	2,870,000	14,378,002	-	-	-
Transportation Infrastructure	568-001	University of Calgary TOD	2016 to 2018	Y	1,689,933	597,437	597,437	-	1,092,496	1,092,496	-	1,014,496	1,689,933	15%	253,490	839,006	597,437	-	597,437	-	-	-
Transportation Infrastructure	568-001	University of Calgary TOD	2019 to 2022	Y	29,809,909	2,402,757	-	2,402,757	27,407,152	-	27,407,152	-	-	15%	4,471,486	(4,471,486)	-	-	-	2,402,757	-	2,402,757
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 2018	Y	60,374,107	38,180,884	38,180,884	-	22,193,223	22,193,223	-	20,957,223	60,374,107	60%	36,224,464	(14,031,241)	36,801,399	1,379,485	38,180,884	-	-	-
Transportation Infrastructure	570-001	Southwest & West Ring Road Connections	2019 to 2022	Y	77,241,133	54,828,573	-	54,828,573	22,412,559	-	22,412,559	-	-	60%	46,344,680	(46,344,680)	-	-	-	48,216,772	6,611,802	54,828,573
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	54,933,387	16,767,245	16,767,245	-	38,166,142	38,166,142	-	19,497,142	54,933,387	60%	32,960,032	5,206,110	16,767,245	-	16,767,245	-	-	-
Transportation Infrastructure	573-001	194 Ave S Slough Crossing & CPR Grade	2019 to 2022	Y	8,568,107	6,943,665	-	6,943,665	1,624,443	-	1,624,443	-	-	60%	5,140,864	(5,140,864)	-	-	-	6,943,665	-	6,943,665
Transportation Infrastructure	582-001	TCH / Sarcee Trail Interchange	2016 to 2018	N (Developer project with City contributing)	3,939,877	-	-	-	3,939,877	3,939,877	-	129,877	3,939,877	15%	590,982	3,348,895	-	-	-	-	-	-
Transportation Infrastructure	582-001	TCH / Sarcee Trail Interchange	2019 to 2022	N (Developer project with City contributing)	735,214	-	-	-	735,214	-	735,214	-	-	15%	110,282	(110,282)	-	-	-	-	-	-

<sup>1</sup> Info to come.

Table 16: 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 (\$)	City Payments			Off-Site Levy Payments				Spent portion of project	Percent allocation to levies	Levy Allocation			City Payments: Funding Source				
						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 (\$)	2018 Levies Spent (\$)			(Financing Spreadsheet)	Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/ Other Funding (\$)	[C] City Contribution to date Total (\$)	City Cost to Complete -Grant Funding (\$)	City Cost to Complete-City/Other Funding (\$)
Transportation Infrastructure	663-000	NE LRT Ext/ Westwinds/ OBMF/36St McKnight Bv Interchange	2004 to 2017	N (used prior years levies towards interchanges)	276,985,000	235,424,000	235,424,000	-	41,561,000	41,561,000	-	-	276,985,000	0%	-	41,561,000	215,893,000	19,531,000	235,424,000	-	-	-
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	-	-	-	-	-	-
Transportation Infrastructure	723-001	Macleod Tr/ Lake Fraser Gate	2019 to 2022	Y	3,620,376	3,599,723	3,599,723	-	20,653	20,653	-	-	15%	543,056	(543,056)	-	2,099,723	1,500,000	3,599,723	-	-	
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 2018	Y	41,064,601	26,438,074	26,438,074	-	14,626,526	14,626,526	-	618,526	41,064,601	15%	6,159,690	8,466,836	26,438,074	-	26,438,074	-	-	-
Transportation Infrastructure	724-001	TCH / Bowfort Rd Interchange	2019 to 2022	Y	4,596,940	-	-	-	4,596,940	-	4,596,940	-	-	15%	689,541	(689,541)	-	-	-	-	-	-
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	65,020,007	63,561,267	63,561,267	-	1,458,741	1,458,741	-	17,741	65,020,007	15%	9,753,001	(8,294,261)	63,454,267	107,000	63,561,267	-	-	-
Transportation Infrastructure	738-C01	West LRT	2007 to 2019	N (used prior years levies towards interchanges)	907,521,347	905,176,347	882,281,000	22,895,347	2,345,000	2,345,000	-	-	884,626,000	0%	-	2,345,000	872,013,595	10,267,405	882,281,000	23,288,303	(392,955)	22,895,347
Transportation Infrastructure	833-001	14 St - 90 Av SW Ped OP	2017-2018	N	517,433	264,765	264,765	-	252,668	252,668	-	3,668	517,433	0%	-	252,668	264,765	-	264,765	-	-	-
Transportation Infrastructure	833-001	14 St - 90 Av SW Ped OP	2019 to 2022	N	6,482,567	5,746,383	5,746,383	-	736,183	736,183	-	-	-	0%	-	-	-	-	5,746,383	-	-	5,746,383
Transportation Infrastructure	855-002	Airport Underpass: Airport Trail Underpass	2011 to 2015	Y	247,404,000	217,744,000	217,743,000	1,000	29,660,000	29,660,000	-	-	247,403,000	76%	188,027,040	(158,367,040)	217,743,000	-	217,743,000	-	-	-
Transportation Infrastructure	855-002	Airport Underpass: Airport Trail Underpass	2016 to 2018	N	10,031,093	-	-	-	10,031,093	10,031,093	-	955,093	10,031,093	60%	6,018,656	4,012,437	-	-	-	-	-	-
Transportation Infrastructure	859-001	Airport Trail NE Phase 2	2018	Y	3,189,596	2,688,932	2,688,932	-	500,664	500,664	-	500,664	3,189,596	60%	1,913,758	(1,413,094)	2,688,932	-	2,688,932	-	-	-
Transportation Infrastructure	859-001	Airport Trail NE Phase 2	2019 to 2022	Y	150,160,404	112,511,068	112,511,068	-	37,649,336	37,649,336	-	-	-	60%	90,096,242	(90,096,242)	-	27,933,298	84,577,770	112,511,068	-	-

<sup>1</sup> Info to come.

**Table 16:** 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 (\$)	City Payments			Off-Site Levy Payments				Spent portion of project	Percent allocation to levies	Levy Allocation		City Payments: Funding Source					
						City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$) Up to Dec 31 2018	Off-site Levy Cost to Complete (\$)	2018 Levies Spent (\$) (Financing Spreadsheet)			Total Potential OSL Allowed No <sup>1</sup>	City front ended amount	City Contribution to date-Grant Funding (\$)	City Contribution to date-City/Other Funding (\$)	[C] 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	862-001	Crowchild Tr Improvemnt	2017 to 2018	Y	39,230,070	4,579,602	4,579,602	-	34,650,468	34,650,468	-	34,074,468	39,230,070	60%	23,538,042	11,112,426	4,579,602	-	4,579,602	-	-	
Transportation Infrastructure	862-001	Crowchild Tr Improvemnt	2019 to 2022	Y	30,770,358	23,461,347		23,461,347	7,309,012	-	7,309,012	-	-	60%	18,462,215	(18,462,215)			-	23,461,347	23,461,347	
Transportation Infrastructure	863-001	Glenmore Tr & 68 St SE	2017 to 2018	Y	75,000	-	-	-	75,000	75,000	-	-	75,000	15%	11,250	63,750	-	-	-	-	-	
REDS	697G68	Glenmore Tr & 68 St SE	2018 to 2021	Y	11,264,473	10,639,000	726,046	9,912,954	625,473	625,473	-	625,473	1,351,519	15%	1,689,671	(1,064,198)						
Transportation Infrastructure	A481405	194 AV S-MacLeod TR Improvs	2019 to 2022	Y	4,000,000	1,588,000	-	1,588,000	2,412,000	-	2,412,000	-	-	60%	2,400,000	(2,400,000)	-	-	-	-	1,588,000	1,588,000
Transportation Infrastructure	A481406	Stoney Trail Improvments	2019 to 2022	Y	106,500,000	41,713,500		41,713,500	64,786,500		64,786,500	-	-	60%	63,900,000	(63,900,000)					41,713,500	41,713,500
Transportation Infrastructure	A481407	144 AV NW at W Nose Creek	2019 to 2022	Y	25,000,000	9,925,000		9,925,000	15,075,000		15,075,000	-	-	60%	15,000,000	(15,000,000)					9,925,000	9,925,000
Transportation Infrastructure	A481408	88 Street SE Extension	2019 to 2022	Y	23,500,000	9,329,500		9,329,500	14,170,500		14,170,500	-	-	60%	14,100,000	(14,100,000)					9,329,500	9,329,500
<b>Total</b>					<b>3,333,267,973</b>	<b>2,596,378,420</b>	<b>2,216,294,537</b>	<b>380,083,883</b>	<b>736,889,552</b>	<b>468,626,811</b>	<b>268,262,741</b>	<b>92,613,383</b>	<b>2,684,921,349</b>		<b>991,693,490</b>	<b>(523,066,679)</b>	<b>2,139,079,344</b>	<b>76,488,364</b>	<b>2,215,567,707</b>	<b>189,015,999</b>	<b>181,153,930</b>	<b>370,169,929</b>

<sup>1</sup> Info to come.

# Schedule B – Water Resources Details

Table 17 shows the detailed projects and amounts of off-site levies spent on Water Resources and Water Services (collectively, “Water”) projects. Water uses debt financing to finance the majority of its projects, and uses levies to pay for the principal and interest payments on the debt-financed projects. Details on the debt financing program can be found in the 2M2016 Off-site Levy Bylaw Schedule C. Table 18 includes the principal totals for each project, and the total debt-financing costs for each sub-category of development (labelled as “Financing Costs” in Table 18).

**Table 17:** Water Resources – Water Projects

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments				Levy Allocation			
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Distribution 2000-2015	892-000	Land Purchases-PS/ Reservoir	Completed	Y	1,969,291	565,394	937,821	(372,427)	1,403,896	12%	240,755	1,163,142	25,773	1,178,576	100.0%	1,969,291
	892-000	Glendale Reservoir	Completed	Y	2,911	836	1,386	(551)	2,075	12%	356	1,719	38	1,742	100.0%	2,911
Water Distribution 2000-2015	892-000	Spyhill East Reservoir	Completed	Y	392,229	112,611	186,788	(74,177)	279,618	12%	47,952	231,666	5,133	234,740	100.0%	392,229
Water Distribution 2000-2015	892-000	Spyhill East Reservoir Construction	Completed	Y	3,490,595	1,002,169	1,662,301	(660,132)	2,488,426	12%	426,741	2,061,685	45,683	2,089,042	100.0%	3,490,595
Water Distribution 2000-2015	892-000	Top Hill Reservoir	Completed	Y	5,419,899	1,556,083	2,581,079	(1,024,996)	3,863,816	12%	662,608	3,201,209	70,932	3,243,687	100.0%	5,419,899
Water Distribution 2000-2015	892-000	Broadcast Hill Reservoir - Land	Completed	Y	582,398	167,210	277,351	(110,142)	415,188	12%	71,201	343,988	7,622	348,552	100.0%	582,398
Water Distribution 2000-2015	892-000	Broadcast Hill Reservoir	Completed	Y	6,378,731	1,831,369	3,037,697	(1,206,328)	4,547,362	12%	779,829	3,767,533	83,481	3,817,526	100.0%	6,378,731
Water Distribution 2000-2015	892-000	Lower Sarcee Reservoir Basin 2	Completed	Y	5,790,440	1,662,467	2,757,539	(1,095,072)	4,127,973	12%	707,908	3,420,065	75,782	3,465,447	100.0%	5,790,440
Water Distribution 2000-2015	892-000	Mountview Pump Station	Completed	Y	98,051	28,151	46,694	(18,543)	69,900	12%	11,987	57,913	1,283	58,681	100.0%	98,051
Water Distribution 2000-2015	892-000	Valley Ridge Pump Station	Completed	Y	1,930,100	554,142	919,158	(365,015)	1,375,958	12%	235,964	1,139,994	25,260	1,155,121	100.0%	1,930,100
Water Distribution 2000-2015	892-000	Spyhill North Pump Station	Completed	Y	5,622,999	1,614,394	2,677,800	(1,063,406)	4,008,605	12%	687,438	3,321,168	73,590	3,365,237	100.0%	5,622,999
Water Distribution 2000-2015	892-000	Royal Oak Pump Station	Completed	Y	2,135,153	613,014	1,016,808	(403,794)	1,522,139	12%	261,032	1,261,107	27,944	1,277,841	100.0%	2,135,153
Water Distribution 2000-2015	892-000	Discovery Ridge Flow Control Station	Completed	Y	587,811	168,764	279,929	(111,165)	419,047	12%	71,863	347,185	7,693	351,792	100.0%	587,811

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Distribution 2000-2015	892-000	Evergreen Ridge Pump Station	Completed	Y	3,664,710	1,052,158	1,745,218	(693,060)	2,612,552	12%	448,028	2,164,524	47,961	2,193,246	100.0%	3,664,710
Water Distribution 2000-2015	892-000	Hillhurst Pump Station	Completed	Y	820,685	235,623	390,829	(155,206)	585,062	12%	100,333	484,729	10,741	491,161	100.0%	820,685
Water Distribution 2000-2015	892-000	Deerfoot Trail Phase I	Completed	Y	1,404,323	403,189	668,771	(265,582)	1,001,134	12%	171,685	829,449	18,379	840,455	100.0%	1,404,323
Water Distribution 2000-2015	892-000	Deerfoot Trail Phase II	Completed	Y	412,043	118,300	196,224	(77,924)	293,743	12%	50,374	243,369	5,393	246,598	100.0%	412,043
Water Distribution 2000-2015	892-000	Cranston Feedermain Phase 1	Completed	Y	2,787,617	800,340	1,327,527	(527,186)	1,987,277	12%	340,799	1,646,478	36,483	1,668,326	100.0%	2,787,617
Water Distribution 2000-2015	892-000	Falconridge Feedermain Phase 2	Completed	Y	1,444,234	414,648	687,777	(273,130)	1,029,586	12%	176,564	853,022	18,901	864,341	100.0%	1,444,234
Water Distribution 2000-2015	892-000	Cranston Feedermain Phase 2	Completed	Y	1,578,504	453,197	751,719	(298,522)	1,125,307	12%	192,979	932,327	20,658	944,699	100.0%	1,578,504
Water Distribution 2000-2015	892-000	Deerfoot Trail Phase 1	Completed	Y	7,005,904	2,011,433	3,336,371	(1,324,937)	4,994,471	12%	856,504	4,137,966	91,689	4,192,875	100.0%	7,005,904
Water Distribution 2000-2015	892-000	NE TUC Feedermain	Completed	Y	8,710,483	2,500,827	4,148,130	(1,647,303)	6,209,656	12%	1,064,897	5,144,759	113,997	5,213,027	100.0%	8,710,483
Water Distribution 2000-2015	892-000	ValleyRidge Feedermain Phase II	Completed	Y	2,161,515	620,583	1,029,363	(408,780)	1,540,932	12%	264,255	1,276,677	28,289	1,293,618	100.0%	2,161,515
Water Distribution 2000-2015	892-000	Tuscany Feedermain Phase I	Completed	Y	3,054,541	876,975	1,454,642	(577,666)	2,177,566	12%	373,432	1,804,134	39,976	1,828,074	100.0%	3,054,541
Water Distribution 2000-2015	892-000	Tuscany Feedermain Phase II	Completed	Y	472,180	135,565	224,863	(89,297)	336,615	12%	57,726	278,888	6,180	282,589	100.0%	472,180
Water Distribution 2000-2015	892-000	Spyhill North Feedermain	Completed	Y	3,479,155	998,884	1,656,853	(657,968)	2,480,271	12%	425,343	2,054,928	45,533	2,082,195	100.0%	3,479,155
Water Distribution 2000-2015	892-000	60 Street NE Feedermain Phase 1	Completed	Y	135,719	38,966	64,632	(25,667)	96,753	12%	16,592	80,161	1,776	81,225	100.0%	135,719
Water Distribution 2000-2015	892-000	60 Street NE Feedermain Phase 2	Completed	Y	778,581	223,535	370,778	(147,243)	555,046	12%	95,185	459,861	10,190	465,963	100.0%	778,581
Water Distribution 2000-2015	892-000	ValleyRidge Feedermain Phase 3	Completed	Y	945,577	271,480	450,305	(178,825)	674,097	12%	115,601	558,496	12,375	565,906	100.0%	945,577

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Distribution 2000-2015	892-000	Airdrie FM Tie-in and Meter Chamber Relocation	Completed	Y	1,774,430	509,448	845,024	(335,575)	1,264,981	12%	216,932	1,048,049	23,223	1,061,956	100.0%	1,774,430
Water Distribution 2000-2015	892-000	60th St NE FM	Completed	Y	6,253,743	1,795,484	2,978,175	(1,182,691)	4,458,259	12%	764,549	3,693,710	81,845	3,742,724	100.0%	6,253,743
Water Distribution 2000-2015	892-000	Research Park Feedermain Phase 1	Completed	Y	667,707	191,702	317,977	(126,275)	476,005	12%	81,630	394,374	8,739	399,608	100.0%	667,707
Water Distribution 2000-2015	892-000	Artist View Park FM Ph 1	Completed	Y	4,623,374	1,327,396	2,201,756	(874,360)	3,295,978	12%	565,229	2,730,749	60,508	2,766,984	100.0%	4,623,374
Water Distribution 2000-2015	892-000	Old Banff Coach Road Feedermain Phase 1	Completed	Y	4,919,889	1,412,527	2,342,963	(930,436)	3,507,362	12%	601,479	2,905,883	64,388	2,944,442	100.0%	4,919,889
Water Distribution 2000-2015	892-000	Broadcast Hill S Feedermain Phase 1	Completed	Y	79,184	22,734	37,709	(14,975)	56,450	12%	9,681	46,769	1,036	47,390	100.0%	79,184
Water Distribution 2000-2015	892-000	Lower Sarcee South Feedermain Phase 1	Completed	Y	3,601,316	1,033,958	1,715,029	(681,071)	2,567,358	12%	440,277	2,127,081	47,132	2,155,306	100.0%	3,601,316
Water Distribution 2000-2015	892-000	Shaganappi Trail Feedermain Phase 1	Completed	Y	4,902,020	1,407,397	2,334,453	(927,057)	3,494,623	12%	599,295	2,895,329	64,155	2,933,748	100.0%	4,902,020
Water Distribution 2000-2015	892-000	Country Hills Blvd NW Feedermain	Completed	Y	1,265,739	363,401	602,774	(239,373)	902,338	12%	154,742	747,596	16,565	757,516	100.0%	1,265,739
Water Distribution 2000-2015	892-000	17 Ave SW Feedermain Phase 1	Completed	Y	481,155	138,142	229,137	(90,995)	343,013	12%	58,823	284,189	6,297	287,960	100.0%	481,155
Water Distribution 2000-2015	892-000	Crestmont Extension	Completed	Y	587,385	168,641	279,726	(111,085)	418,744	12%	71,811	346,933	7,687	351,537	100.0%	587,385
Water Distribution 2000-2015	892-000	69 Street 26 Avenue SW Feedermain	Completed	Y	2,940,072	844,111	1,400,129	(556,018)	2,095,961	12%	359,437	1,736,524	38,478	1,759,566	100.0%	2,940,072
Water Distribution 2000-2015	892-000	Symons Valley TUC Crossing	Completed	Y	2,348,706	674,326	1,118,507	(444,181)	1,674,380	12%	287,140	1,387,239	30,738	1,405,647	100.0%	2,348,706
Water Distribution 2000-2015	892-000	Symons Feedermain Phase 1	Completed	Y	842,761	241,961	401,342	(159,381)	600,800	12%	103,031	497,768	11,030	504,373	100.0%	842,761
Water Distribution 2000-2015	892-000	Northridge Feedermain	Completed	Y	352,064	101,080	167,661	(66,581)	250,984	12%	43,041	207,943	4,608	210,702	100.0%	352,064
Water Distribution 2000-2015	892-000	MacLeod Trail FM	Completed	Y	9,282,639	2,665,097	4,420,604	(1,755,507)	6,617,543	12%	1,134,845	5,482,697	121,485	5,555,449	100.0%	9,282,639

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

Table 17: Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Distribution 2000-2015	892-000	Northridge FM Ph 1 & 2	Completed	Y	46,498	13,350	22,143	(8,793)	33,148	12%	5,685	27,463	609	27,828	100.0%	46,498
Water Distribution 2000-2015	892-000	Old Banff Coach Rd FM Ph 2	Completed	Y	3,777,010	1,084,400	1,798,698	(714,298)	2,692,610	12%	461,757	2,230,853	49,431	2,260,455	100.0%	3,777,010
Water Distribution 2000-2015	892-000	Old Banff Coach Rd FM Ph 3	Completed	Y	3,091,777	887,666	1,472,374	(584,708)	2,204,111	12%	377,984	1,826,127	40,463	1,850,358	100.0%	3,091,777
OSL Balance in Reserves	892-000	Shaganappi Tr FM Ph 2	Completed	Y	8,138,324	2,336,558	3,875,655	(1,539,098)	5,801,767	12%	994,948	4,806,819	106,509	4,870,603	100.0%	8,138,324
Water Distribution 2000-2015	892-000	Graves Bridge Feedermain	Completed	Y	2,436,391	1,133,724	1,160,265	(26,541)	1,302,667	12%	297,860	1,004,807	31,886	1,458,125	75.0%	1,827,293
Water Distribution 2000-2015	892-000	Cranston South FM	Completed	Y	3,445,787	989,304	1,640,962	(651,658)	2,456,483	12%	421,263	2,035,220	45,096	2,062,226	100.0%	3,445,787
Water Distribution 2000-2015	892-000	Cranston South FM A	Completed	Y	2,732,114	784,405	1,301,095	(516,690)	1,947,709	12%	334,014	1,613,696	35,756	1,635,108	100.0%	2,732,114
Water Distribution 2000-2015	892-000	Symons Valley FM	Completed	Y	343,627	98,657	163,643	(64,986)	244,970	12%	42,010	202,960	4,497	205,653	100.0%	343,627
Water Distribution 2000-2015	892-000	Big Hill East Reservoir	Completed	Y	8,337,038	2,393,609	3,970,287	(1,576,678)	5,943,429	12%	1,019,241	4,924,187	109,110	4,989,528	100.0%	8,337,038
Water Distribution 2000-2015	892-000	Crestmont Pump Station	Completed	Y	8,633,485	2,478,721	4,111,462	(1,632,741)	6,154,764	12%	1,055,483	5,099,281	112,990	5,166,945	100.0%	8,633,485
Water Distribution 2000-2015	892-000	East McKenzie FM	Completed	Y	23,427,984	13,227,877	11,156,939	2,070,939	10,200,107	12%	2,864,179	7,335,928	306,611	14,021,118	61.6%	14,422,267
Water Distribution 2000-2015	892-000	ValleyRidge FM Phase I	Completed	Y	18,413,055	5,286,489	8,768,715	(3,482,226)	13,126,566	12%	2,251,081	10,875,485	240,979	11,019,796	100.0%	18,413,055
Water Distribution 2000-2015	892-000	Cranston Bow River Xing	Completed	Y	12,761,175	3,663,803	6,077,161	(2,413,358)	9,097,371	12%	1,560,112	7,537,259	167,010	7,637,274	100.0%	12,761,175
Water Distribution 2000-2015	892-000	MacLeod Trail FM Ph 2	Completed	Y	9,101,626	2,613,127	4,334,401	(1,721,275)	6,488,499	12%	1,112,716	5,375,784	119,117	5,447,117	100.0%	9,101,626
Non OSL in the Sustainment Reserves	892-000	Water FM under Graves Bridge	Completed	Y	3,215,576	2,069,393	1,531,331	538,062	1,146,183	12%	393,119	753,064	42,083	1,924,450	50.0%	1,607,788
Water Distribution 2000-2015	892-000	210 Avenue SW	Completed	Y	813,241	451,055	387,284	63,772	362,186	12%	99,422	262,763	10,643	486,706	62.0%	504,209

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**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$ 2000-2024"	City Payments			Off-Site Levy Payments				Levy Allocation			
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Water Distribution 2000-2015	892-000	South Glenmore Reservoir Basin 2	Completed	Y	751,467	215,750	357,866	(142,115)	535,717	12%	91,870	443,846	9,835	449,736	96.1%	722,105
Water Distribution 2000-2015	892-000	South Glenmore Res Basin 2	Completed	Y	125,541	86,070	59,785	26,284	39,471	12%	15,348	24,123	1,643	75,133	44.1%	55,368
Water Distribution 2000-2015	892-000	Nose Hill Feedermain	Completed	Y	219,847	203,436	104,696	98,740	16,411	12%	26,877	(10,466)	2,877	131,574	10.5%	23,020
Water Distribution 2000-2015	892-000	Lower Sarcee Feeder Main	Completed	Y	36,891	20,428	17,568	2,859	16,463	12%	4,510	11,953	483	22,079	62.6%	23,094
Water Distribution 2000-2015	892-000	210 Ave SW Pump Station	Completed	Y	46,944	26,563	22,356	4,207	20,381	12%	5,739	14,642	614	28,095	60.9%	28,589
Water Distribution 2000-2015	892-000	Northridge Reservoir	Completed	Y	17,294	7,036	8,236	(1,199)	10,257	12%	2,114	8,143	226	10,350	83.2%	14,388
Water Distribution 2000-2015		Financing Costs			106,688,590	50,950,813	62,326,565	(11,375,752)	55,737,777	15%	15,703,731	40,034,046	1,681,089	78,030,296	54.5%	58,107,947
<b>Total Water Distribution 2000-2015</b>					<b>334,779,845</b>	<b>124,951,949</b>	<b>170,948,806</b>	<b>(45,996,857)</b>	<b>209,827,896</b>	<b>20%</b>	<b>43,588,937</b>	<b>166,238,959</b>	<b>4,666,207</b>	<b>214,537,743</b>		<b>274,336,147</b>
Water Distribution 2016-2024	892-000	Ogden Feeder Main-FM to service Rangeview	2019-2021	Y	23,707,000	17,092,747	-	17,092,747	6,614,253	0%	-	6,614,253		-	27.9%	6,614,253
Water Distribution 2016-2024	892-000	Lower Sarcee Feeder Main-	2016-2020	Y	14,998,213	4,334,484	6,808	4,327,675	10,663,730	0%	-	10,663,730		6,808	71.1%	10,663,730
Water Distribution 2016-2024	892-000	210 Avenue FM and Pump Station and Lower Sarcee FM	2016-2018	Y	12,625,324	3,888,600	-	3,888,600	8,736,725	0%	-	8,736,725		-	69.1%	8,724,099
Water Distribution 2016-2024	892-000	210 Ave Feeder Main	2016-2018	Y	13,136,632	4,046,083	1,528,393	2,517,690	9,090,549	0%	-	9,090,549		1,528,393	69.1%	9,077,413
Water Distribution 2016-2024	892-000	East McKenzie FM-Complete	2014-2016	Y	800,514	561,961	4,239	557,722	238,553	0%	-	238,553		4,239	29.8%	238,553
Water Distribution 2016-2024	892-000	Northridge FM Ph 1 and 2-Some design started in 2014	2014-2022	Y	30,231,594	5,078,908	62,123	5,016,785	25,152,686	0%	-	25,152,686		62,123	83.2%	25,152,686

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Table 17: Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments				Levy Allocation			
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$ (Owed))"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Distribution 2016-2024	892-000	Northridge Reservoir-Land and some design started in 2014	2014-2018	Y	15,372,003	2,582,497	92	2,582,405	12,789,507	0%	-	12,789,507	-	92	83.2%	12,789,507
Water Distribution 2016-2024	892-000	Airdrie FM Tie-in and Meter Chamber Relocation	2015-2019	Y	1,510,397	-	85,396	(85,396)	1,510,397	0%	-	1,510,397	-	85,396	100%	1,510,397
Water Distribution 2016-2024	892-000	Pump Station 36 Installation-	2014-2017	Y	526,319	88,422	7,551	80,870	437,897	0%	-	437,897	-	7,551	83.2%	437,897
Water Distribution 2016-2024	892-000	Redevelopment-Ongoing program - 2017 and 2018 reallocated to specific projects	2016-2024	Y	14,682,291	14,682,291	-	14,682,291	-	0%	-	-	-	-	0.0%	-
Water Distribution 2016-2024	892-000	South Glenmore Reservoir Basin II	2016-2016	Y	47,720	39,188	-	39,188	8,532	0%	-	8,532	-	-	17.9%	8,532
Water Distribution 2016-2024	892-000	Nose Hill Feedermain-North Calgary Water Study changed this project to Bearspaw High Lift Pump Station Stage II upgrade	2017-2017	Y	119,868,665	107,317,217	325,986	106,991,231	12,551,448	0%	-	12,551,448	-	325,986	10.5%	12,551,448
Water Distribution 2016-2024	892-000	Country Hills Blvd Uptown Feedermain-North Calgary Water Study changed this project to Bearspaw High Lift Pump Station Stage 1 upgrade	2016-2017	Y	-	-	-	-	-	0%	-	-	-	-	10.5%	-
Water Distribution 2016-2024	892-000	Haskyne Feedermain	2019-2020	Y	11,300,000	-	-	-	11,300,000	0%	-	11,300,000	-	-	100%	11,300,000
Water Distribution 2016-2024	892-000	Providence Pump Station	2019-2020	Y	15,756,000	-	-	-	15,756,000	0%	-	15,756,000	-	-	100%	15,756,000
Water Distribution 2016-2024	892-000	146th Ave Feedermain	2019-2022	Y	5,347,000	-	-	-	5,347,000	0%	-	5,347,000	-	-	100%	5,347,000
Water Distribution 2016-2024	892-000	Westview Reservoir Land	2019-2019	Y	1,100,000	-	-	-	1,100,000	0%	-	1,100,000	-	-	100%	1,100,000
Water Distribution 2016-2024	892-000	Providence Westview Reservoir	2021-2022	Y	8,877,000	-	-	-	8,877,000	0%	-	8,877,000	-	-	100%	8,877,000

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**Table 17:** Water Resources – Water Projects (continued)

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Water Distribution 2016-2024	892-000	Northridge FM West Leg Phase 1 & 2	2019-2022	Y	20,800,000	3,494,400	-	3,494,400	17,305,600	0%	-	17,305,600	-	-	83.2%	17,305,600
Water Distribution 2016-2024	892-000	Beveledere East Feedermain	2019-2024	Y	23,000,000	-	-	-	23,000,000	0%	-	23,000,000	-	-	100%	23,000,000
Water Distribution 2016-2024		Financing Costs			216,607,295	108,601,942	-	108,601,942	108,005,353	0%		108,005,353		-	49.9%	108,005,353
<b>Total Water Distribution 2016-2024</b>					<b>550,293,968</b>	<b>271,808,738</b>	<b>2,020,589</b>	<b>269,788,149</b>	<b>278,485,230</b>		<b>-</b>	<b>278,485,230</b>	<b>-</b>	<b>2,020,589</b>		<b>278,459,468</b>
<b>Total Water Distribution</b>					<b>885,073,813</b>	<b>396,760,688</b>	<b>172,969,395</b>	<b>223,791,292</b>	<b>488,313,126</b>		<b>43,588,937</b>	<b>444,724,188</b>	<b>4,666,207</b>	<b>216,558,333</b>		<b>552,795,615</b>
Wastewater Collection 2000-2015	895-000	New Areas	Completed	Y	1,860,892	447,327	751,406	(304,079)	1,413,565	10%	181,077	1,232,487	22,343	932,483	100.0%	1,860,892
Wastewater Collection 2000-2015	895-000	New Areas	Completed	Y	177,872	42,758	71,823	(29,065)	135,115	10%	17,308	117,807	2,136	89,131	100.0%	177,872
Wastewater Collection 2000-2015	895-000	McKenzie Trunk & PS	Completed	Y	6,867,471	1,650,825	2,773,003	(1,122,177)	5,216,646	10%	668,251	4,548,395	82,454	3,441,254	100.0%	6,867,471
Wastewater Collection 2000-2015	895-000	Foothills Industrial	Completed	Y	2,692	647	1,087	(440)	2,045	10%	262	1,783	32	1,349	100.0%	2,692
Wastewater Collection 2000-2015	895-000	SW Elbow Valley	Completed	Y	2,571,647	618,181	1,038,400	(420,219)	1,953,466	10%	250,238	1,703,228	30,876	1,288,639	100.0%	2,571,647
Wastewater Collection 2000-2015	895-000	North Beddington	Completed	Y	1,010,179	242,830	407,898	(165,068)	767,349	10%	98,297	669,052	12,129	506,195	100.0%	1,010,179
Wastewater Collection 2000-2015	895-000	Nose Creek V	Completed	Y	5,362,560	1,289,070	2,165,338	(876,268)	4,073,490	10%	521,813	3,551,677	64,385	2,687,151	100.0%	5,362,560
Wastewater Collection 2000-2015	895-000	Dufferin Industrial Lift Station	Completed	Y	1,577,493	379,203	636,973	(257,770)	1,198,290	10%	153,501	1,044,789	18,940	790,473	100.0%	1,577,493
Wastewater Collection 2000-2015	895-000	Beddington Creek II	Completed	Y	8,856,443	2,128,941	3,576,126	(1,447,185)	6,727,502	10%	861,791	5,865,711	106,334	4,437,917	100.0%	8,856,443
Wastewater Collection 2000-2015	895-000	Midnapore Trunk	Completed	Y	536,064	128,861	216,456	(87,595)	407,203	10%	52,163	355,041	6,436	268,619	100.0%	536,064
Wastewater Collection 2000-2015	895-000	Pine Creek Trunk I	Completed	Y	23,941,504	5,755,138	9,667,293	(3,912,155)	18,186,366	10%	2,329,668	15,856,698	287,453	11,996,961	100.0%	23,941,504

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**Table 17:** Water Resources – Water Projects (continued)

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Wastewater Collection 2000-2015	895-000	Fish Creek Forcemain	Completed	Y	7,479,659	1,797,985	3,020,197	(1,222,212)	5,681,674	10%	727,821	4,953,853	89,804	3,748,018	100.0%	7,479,659
Wastewater Collection 2000-2015	895-000	Nose Creek IV	Completed	Y	2,832,473	680,879	1,143,719	(462,840)	2,151,594	10%	275,619	1,875,975	34,008	1,419,337	100.0%	2,832,473
Wastewater Collection 2000-2015	895-000	85 Street SW	Completed	Y	1,948,558	468,401	786,804	(318,404)	1,480,157	10%	189,608	1,290,549	23,395	976,412	100.0%	1,948,558
Wastewater Collection 2000-2015	895-000	Great Plains Trunk	Completed	Y	4,673,427	1,123,414	1,887,074	(763,660)	3,550,013	10%	454,756	3,095,257	56,111	2,341,829	100.0%	4,673,427
Wastewater Collection 2000-2015	895-000	Beddington Crk South Upgrade	Completed	Y	7,674,253	1,844,762	3,098,772	(1,254,009)	5,829,491	10%	746,756	5,082,735	92,141	3,845,528	100.0%	7,674,253
Wastewater Collection 2000-2015	895-000	Fish Creek West and Anderson Sanitary Upgrades	Completed	Y	847,179	203,648	342,081	(138,433)	643,531	10%	82,436	561,095	10,172	424,517	100.0%	847,179
Wastewater Collection 2000-2015	895-000	Nose Creek Trunk Upgrade (40%)	Completed	Y	41,518,001	28,902,894	16,764,472	12,138,422	12,615,107	10%	4,039,979	8,575,128	498,484	20,804,451	40.0%	16,607,200
Wastewater Collection 2000-2015	895-000	North Ridge MacDonald Trunk	Completed	Y	25,327,129	6,088,219	10,226,792	(4,138,573)	19,238,910	10%	2,464,499	16,774,412	304,089	12,691,291	100.0%	25,327,129
Wastewater Collection 2000-2015	895-000	Silverado-West Pine Creek Trunk	Completed	Y	9,923,702	2,385,492	4,007,072	(1,621,580)	7,538,210	10%	965,642	6,572,567	119,148	4,972,715	100.0%	9,923,702
Wastewater Collection 2000-2015	895-000	South Cranston Syphon	Completed	Y	20,970,620	5,040,987	8,467,686	(3,426,699)	15,929,633	10%	2,040,581	13,889,052	251,783	10,508,267	100.0%	20,970,620
Wastewater Collection 2000-2015	895-000	Saddle Ridge Sanitary Upgrade	Completed	Y	491,615	184,163	198,508	(14,345)	307,451	10%	47,837	259,614	5,903	246,345	82.3%	404,745
Wastewater Collection 2000-2015	895-000	Valley Ridge Syhpon & Upgrade	Completed	Y	24,260,145	16,888,780	9,795,956	7,092,824	7,371,364	10%	2,360,674	5,010,690	291,278	12,156,630	40.0%	9,704,058
Wastewater Collection 2000-2015	895-000	BB Trunk Upgrade S of Bow River (40%)	Completed	Y	665,577	539,181	268,752	270,429	126,396	10%	64,765	61,631	7,991	333,517	25.0%	166,394
Wastewater Collection 2000-2015	895-000	Trinity East Hills-CFA	Completed	Y	4,962,737	1,192,959	2,003,894	(810,935)	3,769,778	10%	482,907	3,286,870	59,585	2,486,801	100.0%	4,962,737
Wastewater Collection 2000-2015	895-000	Mahogany Forcemain Ph 1	Completed	Y	351,780	84,562	142,045	(57,483)	267,218	10%	34,231	232,987	4,224	176,275	100.0%	351,780
Wastewater Collection 2000-2015	895-000	North Beddington Ph 2	Completed	Y	2,092,822	503,079	845,057	(341,977)	1,589,743	10%	203,646	1,386,097	25,127	1,048,702	100.0%	2,092,822

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<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

Table 17: Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Wastewater Collection 2000-2015	895-000	Seton Trunk Ph 1	Completed	Y	3,130,338	752,481	1,263,993	(511,512)	2,377,857	10%	304,603	2,073,254	37,584	1,568,596	100.0%	3,130,338
Wastewater Collection 2000-2015	895-000	BB Trunk Upgrade River Crossing	Completed	Y	51,869	39,261	20,944	18,317	12,608	10%	5,047	7,561	623	25,991	32.0%	16,598
Wastewater Collection 2000-2015	895-000	Silverado - West Pine Creek Trunk Phase 2	Completed	Y	1,566,069	376,457	632,360	(255,903)	1,189,612	10%	152,389	1,037,223	18,803	784,749	100.0%	1,566,069
Wastewater Collection 2000-2015	895-000	Beddington Creek II - East Leg	Completed	Y	4,067,766	977,823	1,642,515	(664,692)	3,089,943	10%	395,821	2,694,122	48,839	2,038,336	100.0%	4,067,766
Wastewater Collection 2000-2015	895-000	Bowness Sanitary Sewer Upgrades	Completed	Y	34,916,552	28,109,446	14,098,886	14,010,560	6,807,106	10%	3,397,614	3,409,492	419,224	17,496,500	25.7%	8,961,237
Wastewater Collection 2000-2015	895-000	Mahogany Lift Station, Forcemain, Trunk	Completed	Y	10,943,995	2,630,754	4,419,054	(1,788,301)	8,313,241	10%	1,064,924	7,248,317	131,399	5,483,978	100.0%	10,943,995
Wastewater Collection 2000-2015	895-000	Nose Creek Trunk Upgrade	Completed	Y	27,922,335	20,043,019	11,274,705	8,768,314	7,879,316	10%	2,717,030	5,162,286	335,248	13,991,735	37.1%	10,372,752
Wastewater Collection 2000-2015	895-000	144 Ave NE San Trunk	Completed	Y	903,515	217,190	364,829	(147,639)	686,325	10%	87,918	598,407	10,848	452,747	100.0%	903,515
Wastewater Collection 2000-2015	895-000	North Beddington San Ph 2 CFA	Completed	Y	561,638	135,008	226,783	(91,774)	426,629	10%	54,651	371,978	6,743	281,434	100.0%	561,638
Wastewater Collection 2000-2015	895-000	Inglewood Trunk Upgrade	Completed	Y	940,311	600,359	379,686	220,673	339,952	10%	91,499	248,453	11,290	471,185	47.6%	447,531
Wastewater Collection 2000-2015	895-000	Forest Lawn LS Sewer Upgrading 1	Completed	Y	19,952	19,952	8,056	11,896	-	10%	1,941	(1,941)	240	9,998	0.0%	-
Wastewater Collection 2000-2015	895-000	WS-Seton Trunk Ph 1	Completed	Y	-	-	-	-	-	0%	-	-	-	-	0.0%	-
Wastewater Collection 2000-2015	895-000	Mahogany LS and Forcemain	Completed	Y	-	-	-	-	-	0%	-	-	-	-	0.0%	-
Wastewater Collection 2000-2015	895-000	Trinity East Hills - CFA	Completed	Y	-	-	-	-	-	0%	-	-	-	-	0.0%	-
Wastewater Collection 2000-2015		Financing Costs			102,577,360	48,586,099	48,071,458	514,641	53,991,261	12%	12,679,379	41,311,882	1,564,480	60,750,837	55.5%	56,922,686
<b>Wastewater Collection 2000-2015</b>					<b>396,386,192</b>	<b>183,101,037</b>	<b>166,707,952</b>	<b>16,393,085</b>	<b>213,285,155</b>		<b>41,268,940</b>	<b>172,016,215</b>	<b>5,092,082</b>	<b>207,976,892</b>		<b>266,625,679</b>

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**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$ 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$ (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Wastewater Collection 2016-2024	895-000	WS-Seton Trunk Ph 1	2016-2024	Y	-	-	-	-	-	0%	-	-	-	-	0.0%	-
Wastewater Collection 2016-2024	895-000	North Ridge Macdonald Trunk-Northpoint CFA - Complete	2014-2016	Y	61,959	-	-	-	61,959	0%	-	61,959	-	-	100%	61,959
Wastewater Collection 2016-2024	895-000	West Pine Creek Sanitary Trunk Ph 2-Construction Agreement to Service West Macleod and Silverado	2015-2018	Y	41,702,879	-	4,737,228	(4,737,228)	41,702,879	0%	-	41,702,879	-	4,737,228	100%	41,702,879
Wastewater Collection 2016-2024	895-000	Seton Tunnel Ph 1-Design only - Construction TBD	2016-2018	Y	57,186,516	-	251,500	(251,500)	57,186,516	0%	-	57,186,516	-	251,500	100%	57,186,516
Wastewater Collection 2016-2024	895-000	Seton Tunnel Ph 2-Project on hold	TBD	Y	3,500,000	-	-	-	3,500,000	0%	-	3,500,000	-	-	100%	3,500,000
Wastewater Collection 2016-2024	895-000	144 Ave NE San Trunk-East Keystone CFA	2015-2017	Y	7,118,189	-	46,582	(46,582)	7,118,189	0%	-	7,118,189	-	46,582	100%	7,118,189
Wastewater Collection 2016-2024	895-000	North Beddington San Ph 2 CFA-West Keystone CFA	2016-2017	Y	4,610,697	-	61,838	(61,838)	4,610,697	0%	-	4,610,697	-	61,838	100%	4,610,697
Wastewater Collection 2016-2024	895-000	Beddington Creek II East Leg-Complete	2014-2015	Y	-	-	-	-	-	0%	-	-	-	-	100%	-
Wastewater Collection 2016-2024	895-000	Redevelopment -Ongoing program - 2017 and 2018 reallocated to specific projects	2016-2024	Y	12,000,000	12,000,000	-	12,000,000	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Saddle Ridge Sanitary Upgrade	2015-2017	Y	6,016,050	3,236,635	144,039	3,092,596	2,779,415	0%	-	2,779,415	-	144,039	46.2%	2,779,415
Wastewater Collection 2016-2024	895-000	Bowness Trunk Upgrade-West Memorial Upgrade	2014-2024	Y	3,505,698	2,917,056	1,016	2,916,041	588,642	0%	-	588,642	-	1,016	16.8%	588,642
Wastewater Collection 2016-2024	895-000	Shouldice Trunk Upgrade-Project on hold	TBD	Y	9,800,000	9,106,552	-	9,106,552	693,448	0%	-	693,448	-	-	7.1%	693,448
Wastewater Collection 2016-2024	895-000	Nose Creek Trunk Upgrade	2014-2018	Y	58,928,805	33,829,848	404,740	33,425,108	25,098,957	0%	-	25,098,957	-	404,740	42.6%	25,098,957
Wastewater Collection 2016-2024	895-000	Inglewood Trunk Upgrade	2014-2020	Y	81,882,096	64,785,115	108,637	64,676,478	17,096,982	0%	-	17,096,982	-	108,637	20.9%	17,096,982

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**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$ (Owed))"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Wastewater Collection 2016-2024	895-000	McKenzie Siphon Upgrade-Project on hold	TBD	Y	5,800,000	4,907,380	-	4,907,380	892,620	0%	-	892,620	-	-	15.4%	892,620
Wastewater Collection 2016-2024	895-000	17th Ave Trunk Upgrade- Includes Beltline Trunk upgrade Activity#456017	2016-2018	Y	4,945,824	4,945,824	385,661	4,560,163	-	0%	-	-	-	385,661	0%	-
Wastewater Collection 2016-2024	895-000	Beltline Trunk Upgrade- Included in RFP for 17 Ave Trunk Upgrade Activity#456019	2016-2018	Y	-	-	-	-	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Forest Lawn LS Sewer Upgrading 1-Design only - project on hold	2017-2017	Y	50,930	50,930	-	50,930	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Forest Lawn LS Sewer Upgrading 2-Project on hold	TBD	Y	5,300,000	5,300,000	-	5,300,000	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Fish Creek West Sub Trunk-Project on hold	TBD	Y	11,000,000	11,000,000	-	11,000,000	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Tsuu Tina Connection Upgrade-Project on hold	TBD	Y	-	-	-	-	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Elbow Drive Trunk Upgrade 1-Project on hold	TBD	Y	1,350,000	1,350,000	-	1,350,000	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Elbow Drive Trunk Upgrade 2-Project on hold	TBD	Y	10,000,000	10,000,000	-	10,000,000	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Mahogany LS FM TRNK	2017	Y	4,347	-	92	(92)	4,347	0%	-	4,347	-	92	100%	4,347
Wastewater Collection 2016-2024	895-000	Penbrooke Trunk Upgrades-Project on hold	TBD	Y	-	-	-	-	-	0%	-	-	-	-	0%	-
Wastewater Collection 2016-2024	895-000	Haskyne Sanitary trunk	2021-2020	Y	3,900,000	-	-	-	3,900,000	0%	-	3,900,000	-	-	100%	3,900,000
Wastewater Collection 2016-2024	895-000	Glacier Ridge Sanitary trunk Phase 1&2	2021-2022	Y	8,170,000	-	-	-	8,170,000	0%	-	8,170,000	-	-	100%	8,170,000
Wastewater Collection 2016-2024	895-000	Glacier Ridge Sanitary trunk Extension east basin	2021-2020	Y	4,310,000	-	-	-	4,310,000	0%	-	4,310,000	-	-	100%	4,310,000

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**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Wastewater Collection 2016-2024	895-000	Belevedere Phase 1 Sanitary Trunk	2021-2020	Y	6,000,000	-	-	-	6,000,000	0%	-	6,000,000	-	-	100%	6,000,000
Wastewater Collection 2016-2024		Financing Costs			218,405,472	102,850,150	-	102,850,150	115,555,322	0%	-	115,555,322	-	-	52.9%	115,555,322
<b>Wastewater Collection 2016-2024</b>					<b>565,549,463</b>	<b>266,279,491</b>	<b>6,141,332</b>	<b>260,138,159</b>	<b>299,269,972</b>	<b>0%</b>	<b>-</b>	<b>299,269,972</b>	<b>-</b>	<b>6,141,332</b>		<b>299,269,972</b>
<b>Total Wastewater Collection</b>					<b>961,935,655</b>	<b>449,380,528</b>	<b>172,849,284</b>	<b>276,531,244</b>	<b>512,555,128</b>	<b>0%</b>	<b>41,268,940</b>	<b>471,286,187</b>	<b>5,092,082</b>	<b>214,118,224</b>		<b>565,895,652</b>
Wastewater Treatment 2000-2015	894-000	Pine Creek WWTP	Completed	Y	412,169,943	183,352,949	84,999,447	98,353,502	228,816,993	6%	26,242,233	202,574,760	3,282,967	111,241,680	100.0%	412,169,943
Wastewater Treatment 2000-2015	894-000	WWTP Expansion Land Purch	Completed	Y	6,501,424	6,501,424	1,340,751	5,160,672	-	0%	-	-	51,784	1,340,751	100.0%	6,501,424
Wastewater Treatment 2000-2015	894-000	BB Struvite Recovery	Completed	Y	443,914	443,914	91,546	352,368	-	0%	-	-	3,536	91,546	15.0%	66,587
Wastewater Treatment 2000-2015	894-000	BB Digester Gas Utilization	Completed	Y	19,443,174	19,443,174	4,009,654	15,433,520	-	0%	-	-	154,866	4,009,654	49.7%	9,672,375
Wastewater Treatment 2000-2015	894-000	Pine Creek Gas Holder	Completed	Y	1,440,104	640,628	296,984	343,643	799,477	6%	91,689	707,788	11,471	388,674	100.0%	1,440,104
Wastewater Treatment 2000-2015	894-000	Pine Creek Design	Completed	Y	9,887,966	4,398,641	2,039,139	2,359,503	5,489,325	6%	629,552	4,859,773	78,758	2,668,690	100.0%	9,887,966
Wastewater Treatment 2000-2015	894-000	New Septage Facility	Completed	Y	3,012,194	3,012,194	621,187	2,391,006	-	0%	-	-	23,992	621,187	20.0%	602,439
Wastewater Treatment 2000-2015	894-000	BB FOG Receiving Station	Completed	Y	1,786,224	1,786,224	368,363	1,417,861	-	0%	-	-	14,227	368,363	22.1%	393,909
Wastewater Treatment 2000-2015	894-000	BB Blower Upgrade	Completed	Y	11,721,061	11,721,061	2,417,167	9,303,894	-	0%	-	-	93,359	2,417,167	66.7%	7,814,732
Wastewater Treatment 2000-2015	894-000	Twinning BBWWTP Sludge Line	Completed	Y	13,024,628	13,024,628	2,685,995	10,338,634	-	0%	-	-	103,742	2,685,995	50.0%	6,512,314
Wastewater Treatment 2000-2015	894-000	Bonnybrook Capacity Improvements	Completed	Y	2,310,904	2,310,904	476,564	1,834,340	-	0%	-	-	18,407	476,564	80.0%	1,848,723
Wastewater Treatment 2000-2015	894-000	BB Primary Clarifier #7	Completed	Y	11,110	11,110	2,291	8,819	-	0%	-	-	88	2,291	100.0%	11,110

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**Table 17:** Water Resources – Water Projects (continued)

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Wastewater Treatment 2000-2015	894-000	Pine Creek Construction	Completed	Y	7,147,588	3,179,590	1,474,006	1,705,584	3,967,998	6%	455,076	3,512,922	56,931	1,929,082	97.8%	6,988,629
Wastewater Treatment 2000-2015	894-000	Fermenter / Digester at PCWWTP	Completed	Y	2,986,277	1,328,439	615,843	712,596	1,657,838	6%	190,132	1,467,706	23,786	805,974	100.0%	2,986,277
Wastewater Treatment 2000-2015	894-000	BBWWTP Headworks Grit Removal (22%)	Completed	Y	66,576,345	66,576,345	13,729,658	52,846,687	-	0%	-	-	530,286	13,729,658	20.0%	13,315,269
Wastewater Treatment 2000-2015	894-000	Effluent Filtration at Bonnybrook	Completed	Y	819,801	819,801	169,063	650,738	-	0%	-	-	6,530	169,063	20.0%	163,960
Wastewater Treatment 2000-2015	894-000	Sewage Forcemain Flow Reversal & Condition Assess. (50%)	Completed	Y	1,526,649	1,526,649	314,832	1,211,817	-	0%	-	-	12,160	314,832	75.0%	1,144,987
Wastewater Treatment 2000-2015	894-000	Shepard Lagoon - Dewatering	Completed	Y	1,880,976	1,880,976	387,903	1,493,073	-	0%	-	-	14,982	387,903	20.0%	376,195
Wastewater Treatment 2000-2015	894-000	Major WWTP Expansion	Completed	Y	701,132	701,132	144,590	556,542	-	0%	-	-	5,585	144,590	100.0%	701,132
Wastewater Treatment 2000-2015	894-000	New Septage Facility	Completed	Y	6,126,245	6,126,245	1,263,380	4,862,865	-	0%	-	-	48,796	1,263,380	16.2%	992,452
Wastewater Treatment 2000-2015	894-000	BBWWTP Plant D Expansion	Completed	Y	20,985,143	12,443,958	4,327,646	8,116,312	8,541,185	5%	979,559	7,561,626	167,148	5,307,205	76.7%	16,097,019
Wastewater Treatment 2000-2015	894-000	Condition Assessment / Replacement Strategy	Completed	Y	71,371	71,371	14,718	56,653	-	0%	-	-	568	14,718	77.0%	54,956
Wastewater Treatment 2000-2015	894-000	BBWWTP Headworks Grit Removal	Completed	Y	15,879,501	15,879,501	3,274,739	12,604,763	-	0%	-	-	126,482	3,274,739	16.2%	2,572,479
Wastewater Treatment 2000-2015	894-000	Volatile Fatty Acid Project	Completed	Y	204,762	204,762	42,227	162,535	-	0%	-	-	1,631	42,227	15.0%	30,714
Wastewater Treatment 2000-2015	894-000	Dewatering Facility	Completed	Y	7,135,056	7,135,056	1,471,422	5,663,634	-	0%	-	-	56,831	1,471,422	24.6%	1,757,665
Wastewater Treatment 2000-2015	894-000	BBWWTP Capacity Upgrades	Completed	Y	59,533,783	30,727,155	12,277,311	18,449,843	28,806,628	6%	3,303,733	25,502,895	474,191	15,581,044	71.8%	42,728,672
Wastewater Treatment 2000-2015	894-000	Pine Creek Equipment	Completed	Y	886,179	394,215	182,752	211,463	491,964	6%	56,422	435,542	7,058	239,173	39.0%	345,610
Wastewater Treatment 2000-2015	894-000	Pine Creek Gas Holder	Completed	Y	29,274	29,274	6,037	23,237	-	0%	-	-	233	6,037	80.0%	23,419

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<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Wastewater Treatment 2000-2015	894-000	Pine Creek Projects	Completed	Y	(30,049)	(30,049)	(6,197)	(23,852)	-	0%	-	-	(239)	(6,197)	77.0%	(23,138)
Wastewater Treatment 2000-2015	894-000	Bonnybrook Power Export	Completed	Y	5,200	5,200	1,072	4,128	-	0%	-	-	41	1,072	77.0%	4,004
Wastewater Treatment 2000-2015	894-000	Bonnybrook Equipment	Completed	Y	2,577,282	2,577,282	531,498	2,045,784	-	0%	-	-	20,528	531,498	77.0%	1,984,507
Wastewater Treatment 2000-2015	894-000	BB WWTP 13.2&5kV System Expansion	Completed	Y	673,670	299,681	138,927	160,753	373,989	6%	42,892	331,098	5,366	181,819	76.6%	516,031
Wastewater Treatment 2000-2015	894-000	Power Management System	Completed	Y	277,864	123,607	57,302	66,305	154,257	6%	17,691	136,566	2,213	74,994	76.6%	212,844
Wastewater Treatment 2000-2015	894-000	600V System Upgrades	Completed	Y	75,062	33,391	15,480	17,912	41,671	6%	4,779	36,892	598	20,259	22.2%	16,626
Wastewater Treatment 2000-2015	894-000	FC WWTP Capacity Assessment	Completed	Y	711,893	316,684	146,810	169,874	395,209	6%	45,325	349,884	5,670	192,135	75.8%	539,615
Wastewater Treatment 2000-2015		Financing Costs			426,249,930	252,935,515	213,524,352	39,411,163	173,314,415	9%	40,057,598	133,256,817	6,752,980	253,581,950	39.9%	170,039,273
<b>Wastewater Treatment 2000-2015</b>					<b>1,104,783,579</b>	<b>651,932,630</b>	<b>353,454,461</b>	<b>298,478,169</b>	<b>452,850,949</b>		<b>72,116,680</b>	<b>380,734,268</b>	<b>12,157,556</b>	<b>425,571,141</b>		<b>720,490,823</b>
Wastewater Treatment 2016-2024	894-000	BB WWTP Blower Upgrades	2013-2018	Y	11,786,062	2,757,939	785,122	1,972,816	9,028,124	0%	-	9,028,124	-	785,122	76.6%	9,028,124
Wastewater Treatment 2016-2024	894-000	BB WWTP 13.2&5kV System Expansion	2015-2019	Y	40,103,138	9,384,134	5,985,118	3,399,016	30,719,004	0%	-	30,719,004	-	5,985,118	76.6%	30,719,004
Wastewater Treatment 2016-2024	894-000	Bonnybrook Capacity Upgrade	2013-2020	Y	52,169,660	12,207,700	4,053,131	8,154,569	39,961,960	0%	-	39,961,960	-	4,053,131	76.6%	39,961,960
Wastewater Treatment 2016-2024	894-000	BBWWTP Plant D Expansion	2013-2023	Y	635,824,483	148,782,929	8,430,996	140,351,933	487,041,554	0%	-	487,041,554	-	8,430,996	76.6%	487,041,554
Wastewater Treatment 2016-2024	894-000	Power Management System	2015-2018	Y	1,941,067	454,210	21,872	432,338	1,486,858	0%	-	1,486,858	-	21,872	76.6%	1,486,858
Wastewater Treatment 2016-2024	894-000	Power Distribution Upgrades-Project on hold	TBD	Y	2,550,000	1,573,350	-	1,573,350	976,650	0%	-	976,650	-	-	38.3%	976,650
Wastewater Treatment 2016-2024	894-000	600V System Upgrades	2015-2019	Y	10,956,755	6,760,318	246,283	6,514,035	4,196,437	0%	-	4,196,437	-	246,283	38.3%	4,196,437

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Table 17: Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$ (Owed))"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Wastewater Treatment 2016-2024	894-000	BB Struvite Recovery-Project on hold	TBD	Y	15,500,000	13,125,400	-	13,125,400	2,374,600	0%	-	2,374,600	-	-	15.3%	2,374,600
Wastewater Treatment 2016-2024	894-000	BB Dewatering Building	2015-2018	Y	83,265,359	51,374,727	11,575,894	39,798,833	31,890,633	0%	-	31,890,633	-	11,575,894	38.3%	31,890,633
Wastewater Treatment 2016-2024	894-000	BB Centrate / Supernatant Treatment-Project on hold	TBD	Y	6,610,000	2,559,392	-	2,559,392	4,050,608	0%	-	4,050,608	-	-	61.3%	4,050,608
Wastewater Treatment 2016-2024	894-000	FC WWTP Capacity Assessment-Study only	2016-2017	Y	288,964	69,929	29,445	40,484	219,035	0%	-	219,035	-	29,445	75.8%	219,035
Wastewater Treatment 2016-2024	894-000	Fish Creek WWTP Upgrade Project (XX1602)	TBD	Y	159,500,000	38,599,000	-	38,599,000	120,901,000	0%	-	120,901,000	-	-	75.8%	120,901,000
Wastewater Treatment 2016-2024	894-000	Pine Creek WWTP Stage 2 Expansion	TBD	Y	37,200,000	9,002,400	-	9,002,400	28,197,600	0%	-	28,197,600	-	-	75.8%	28,197,600
Wastewater Treatment 2016-2024	894-000	South Catchment Conveyance System Upgrades	TBD	Y	9,200,000	2,226,400	-	2,226,400	6,973,600	0%	-	6,973,600	-	-	75.8%	6,973,600
Wastewater Treatment 2016-2024	894-000	South Catchment Capacity Upgrade - (removed cost of study)-Project on hold	TBD	Y	-	-	-	-	-	-	-	-	-	-	75.8%	-
Wastewater Treatment 2016-2024		Financing Costs			339,936,664	182,263,835	-	182,263,835	157,672,829	0%	-	157,672,829	-	-	46.4%	157,672,829
<b>Wastewater Treatment 2016-2024</b>					<b>1,406,832,153</b>	<b>481,141,663</b>	<b>31,127,861</b>	<b>450,013,802</b>	<b>925,690,490</b>		<b>-</b>	<b>925,690,490</b>	<b>-</b>	<b>31,127,861</b>		<b>925,690,490</b>
<b>Total Wastewater Treatment</b>					<b>2,511,615,731</b>	<b>1,133,074,293</b>	<b>384,582,322</b>	<b>748,491,971</b>	<b>1,378,541,439</b>		<b>72,116,680</b>	<b>1,306,424,758</b>	<b>12,157,556</b>	<b>456,699,002</b>		<b>1,646,181,313</b>
Water Treatment Plants 2000-2015	891-000	Glenmore Water Treatment Plant (Program 300)	Completed	Y	31,601,592	29,985,005	14,162,171	15,822,834	1,616,587	2%	525,112	1,091,476	86,663	14,687,282	24.0%	7,584,382
Water Treatment Plants 2000-2015	891-000	Glenmore Water Treatment Plant (Program 301)	Completed	Y	22,614,575	21,457,721	10,134,663	11,323,058	1,156,854	2%	375,778	781,076	62,017	10,510,440	24.0%	5,427,498
Water Treatment Plants 2000-2015	891-000	Bearspaw Water Treatment Plant (Program 302)	Completed	Y	10,115,576	9,598,111	4,533,269	5,064,842	517,465	2%	168,087	349,378	27,741	4,701,356	24.0%	2,427,738

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Table 17: Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Treatment Plants 2000-2015	891-000	Water Treatment Plant Master Planning	Completed	Y	554,241	465,640	248,382	217,258	88,601	2%	9,210	79,391	1,520	257,591	75.0%	415,681
Water Treatment Plants 2000-2015	891-000	Glenmore Dam - Crest Stop Logs	Completed	Y	546,222	534,579	244,788	289,791	11,643	2%	9,076	2,566	1,498	253,864	10.0%	54,622
Water Treatment Plants 2000-2015	891-000	Glenmore Space Planning 2012-14	Completed	Y	250,273	238,537	112,159	126,378	11,736	2%	4,159	7,577	686	116,318	22.0%	55,060
Water Treatment Plants 2000-2015	891-000	BBWTP Residual Management System	Completed	Y	602,486	571,665	270,002	301,663	30,820	2%	10,011	20,809	1,652	280,014	24.0%	144,597
Water Treatment Plants 2000-2015	891-000	Bears paw Yard Piping	Completed	Y	7,923,835	7,518,489	3,551,046	3,967,443	405,346	2%	131,667	273,678	21,730	3,682,713	24.0%	1,901,720
Water Treatment Plants 2000-2015	891-000	Glenmore Bears paw Upgrade (Program 304)	Completed	Y	302,110,529	286,655,989	135,390,042	151,265,947	15,454,540	2%	5,020,057	10,434,483	828,494	140,410,099	24.0%	72,506,527
Water Treatment Plants 2000-2015	891-000	Chemical System	Completed	Y	4,557,056	4,323,939	2,042,233	2,281,706	233,117	2%	75,723	157,394	12,497	2,117,956	24.0%	1,093,694
Water Treatment Plants 2000-2015	891-000	Sodium Hypochloride System	Completed	Y	1,265,930	1,201,171	567,323	633,848	64,759	2%	21,035	43,723	3,472	588,359	24.0%	303,823
Water Treatment Plants 2000-2015	891-000	Pre Treatment / Residuals Facility-Glenmore	Completed	Y	135,519,016	128,586,506	60,732,492	67,854,015	6,932,509	2%	2,251,868	4,680,641	371,641	62,984,360	24.0%	32,524,564
Water Treatment Plants 2000-2015	891-000	Glenmore Site Work & Serv	Completed	Y	12,792,720	12,138,305	5,733,024	6,405,281	654,415	2%	212,572	441,843	35,082	5,945,596	24.0%	3,070,253
Water Treatment Plants 2000-2015	891-000	BBWTP Residual Management System	Completed	Y	108,052	102,525	48,423	54,101	5,527	2%	1,795	3,732	296	50,219	24.0%	25,932
Water Treatment Plants 2000-2015	891-000	BP Actiflo Air Scour Upgrade	Completed	Y	6,066,123	5,530,832	2,718,517	2,812,314	535,292	2%	100,798	434,493	16,635	2,819,316	41.4%	2,511,375
Water Treatment Plants 2000-2015	891-000	Bears paw RTF Fourth Thickener	Completed	Y	142,528	132,835	63,874	68,961	9,693	2%	2,368	7,325	391	66,242	31.9%	45,476
Water Treatment Plants 2000-2015	891-000	Sodium Hypochlorite Bears paw	Completed	Y	19,353,112	18,949,589	8,673,047	10,276,542	403,524	2%	321,583	81,940	53,073	8,994,630	9.8%	1,893,172
Water Treatment Plants 2000-2015	891-000	BP Raw I Pump Station Upgrade	Completed	Y	1,672,980	1,602,923	749,742	853,182	70,057	2%	27,799	42,258	4,588	777,541	19.6%	328,679
Water Treatment Plants 2000-2015	891-000	Bears paw Electrical Distribution Center	Completed	Y	823,616	794,474	369,101	425,373	29,141	2%	13,686	15,456	2,259	382,787	16.6%	136,720

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Table 17: Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$ 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$ (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Treatment Plants 2000-2015	891-000	Pre Treatment / Residuals Facility-Glenmore	Completed	Y	28,273	27,074	12,671	14,404	1,199	2%	470	729	78	13,140	19.9%	5,626
Water Treatment Plants 2000-2015	891-000	Pre Treatment Stage I & II	Completed	Y	4,445,259	4,217,861	1,992,131	2,225,729	227,398	2%	73,865	153,533	12,190	2,065,996	24.0%	1,066,862
Water Treatment Plants 2000-2015	891-000	Glenmore Dam Infrastructure Improvements	Completed	Y	469,740	461,429	210,513	250,917	8,310	2%	7,805	505	1,288	218,318	8.3%	38,988
Water Treatment Plants 2000-2015	891-000	Glenmore UV Disinfection	Completed	Y	113,298	95,186	50,774	44,412	18,112	2%	1,883	16,229	311	52,657	75.0%	84,973
Water Treatment Plants 2000-2015	891-000	Bears paw UV Disinfection	Completed	Y	871,420	732,685	390,524	342,161	138,735	2%	14,480	124,254	2,390	405,005	74.7%	650,887
Water Treatment Plants 2000-2015		Financing Costs			293,391,472	274,912,918	193,224,344	81,688,574	18,478,554	2%	7,156,393	11,322,161	1,181,068	200,380,737	7.0%	20,410,577
<b>Water Treatment Plants 2000-2015</b>					<b>857,939,923</b>	<b>810,835,988</b>	<b>446,225,253</b>	<b>364,610,735</b>	<b>47,103,935</b>		<b>16,537,282</b>	<b>30,566,653</b>	<b>2,729,261</b>	<b>462,762,535</b>		<b>154,709,427</b>
Water Treatment Plants 2016-2024	891-000	GM WTP Capacity Expansion -Project on hold	TBD	Y	-	-	-	-	-	0%	-	-	-	-	80.1%	-
Water Treatment Plants 2016-2024	891-000	BPWTP Capacity Upgrades	2017-2018	Y	26,192,096	5,186,035	266,601	4,919,434	21,006,061	0%	-	21,006,061	-	266,601	80.2%	21,006,061
Water Treatment Plants 2016-2024	891-000	Bears paw RTF Fourth Thickener	2016-2017	Y	2,023,557	1,699,383	-	1,699,383	324,174	0%	-	324,174	-	-	16.0%	324,174
Water Treatment Plants 2016-2024	891-000	Glenmore UV Disinfection	2022-2022	Y	-	-	-	-	-	0%	-	-	-	-	80.1%	-
Water Treatment Plants 2016-2024	892-000	Bears paw Pump Station STN012 Upgrade-Includes Country Hills Boulevard Uptown FM	2015-2021	Y	3,212	2,876	444	2,431	336	0%	-	336	-	444	10.5%	336
Water Treatment Plants 2016-2024	892-000	Bears paw Pump Station STN020 Upgrade-Included in Nose Hill FM Costs	TBD	Y	725,745	649,752	49,723	600,029	75,993	0%	-	75,993	-	49,723	10.5%	75,993
Water Treatment Plants 2016-2024	891-000	Bears paw UV Disinfection-Project on hold	TBD	Y	-	-	-	-	-	0%	-	-	-	-	80.2%	-

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**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Water Treatment Plants 2016-2016		Financing Costs			9,133,459	4,160,389	-	4,160,389	4,973,070	0%		4,973,070		-	54.4%	4,973,070
<b>Water Treatment Plants 2016-2024</b>					<b>38,078,068</b>	<b>11,698,435</b>	<b>316,769</b>	<b>11,381,666</b>	<b>26,379,634</b>	<b>0%</b>	<b>-</b>	<b>26,379,634</b>	<b>-</b>	<b>316,769</b>		<b>26,379,634</b>
<b>Total Water Treatment Plants</b>					<b>896,017,992</b>	<b>822,534,423</b>	<b>446,542,021</b>	<b>375,992,402</b>	<b>73,483,569</b>			<b>16,537,282</b>	<b>56,946,286</b>	<b>2,729,261</b>	<b>463,079,304</b>	<b>181,089,061</b>
<b>Total Water and Wastewater</b>					<b>5,254,643,192</b>	<b>2,801,749,931</b>	<b>1,176,943,022</b>	<b>1,624,806,909</b>	<b>2,452,893,260</b>			<b>173,511,840</b>	<b>2,279,381,420</b>	<b>24,645,107</b>	<b>1,350,454,862</b>	<b>2,945,961,641</b>
Shepard Wetlands 2000-2015	897-000	Ellison Park 68 Street SE Pond Expansion	Completed	Y	5,885,182	-	1,044,509	(1,044,509)	5,885,182	56%	3,302,208	2,582,974	230,480	4,346,717	100%	5,885,182
Shepard Wetlands 2000-2015	897-000	Great Plains Storm	Completed	Y	10,403,685	-	1,846,459	(1,846,459)	10,403,685	56%	5,837,565	4,566,120	407,437	7,684,024	100%	10,403,685
Shepard Wetlands 2000-2015	897-000	60th street wet pond	Completed	Y	3,724,620	-	661,050	(661,050)	3,724,620	56%	2,089,905	1,634,715	145,866	2,750,955	100%	3,724,620
Shepard Wetlands 2000-2015	897-000	Mahogany Storm Trunk	Completed	Y	7,783,600	-	1,381,443	(1,381,443)	7,783,600	56%	4,367,421	3,416,179	304,827	5,748,863	100%	7,783,600
Shepard Wetlands 2000-2015	897-000	Shepard Wetland Projects	Completed	Y	90,481,854	-	16,058,830	(16,058,830)	90,481,854	56%	50,769,864	39,711,989	3,543,517	66,828,694	100%	90,481,854
Shepard Wetlands 2000-2015	897-000	114 Ave Channel X-ing	Completed	Y	2,325,496	-	412,732	(412,732)	2,325,496	56%	1,304,849	1,020,648	91,073	1,717,581	100%	2,325,496
Shepard Wetlands 2000-2015	897-000	FL Ck Diversion to Shepard	Completed	Y	1,537,381	-	272,856	(272,856)	1,537,381	56%	862,633	674,748	60,208	1,135,489	100%	1,537,381
Shepard Wetlands 2000-2015	897-000	114 Ave SE Storm Trunk	Completed	Y	4,549,429	-	807,438	(807,438)	4,549,429	56%	2,552,709	1,996,719	178,168	3,360,148	100%	4,549,429
Shepard Wetlands 2000-2015	897-000	130 Ave SE Storm Trunk	Completed	Y	9,312,536	-	1,652,800	(1,652,800)	9,312,536	56%	5,225,315	4,087,221	364,704	6,878,115	100%	9,312,536
Shepard Wetlands 2000-2015	897-000	Shepard WlAnds Restoration	Completed	Y	613,768	-	108,932	(108,932)	613,768	56%	344,389	269,380	24,037	453,321	100%	613,768
Shepard Wetlands 2000-2015	897-000	Trinity East Hills (CFA)	Completed	Y	1,481,534	-	262,944	(262,944)	1,481,534	56%	831,297	650,237	58,021	1,094,241	100%	1,481,534
Shepard Wetlands 2000-2015	897-000	Forest Lawn Creek	Completed	Y	377,373	-	66,977	(66,977)	377,373	56%	211,746	165,627	14,779	278,723	100%	377,373

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$ (Owed))"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Shepard Wetlands 2000-2015	897-000	Master Drainage Plans	Completed	Y	29,107	-	5,166	(5,166)	29,107	56%	16,332	12,775	1,140	21,498	100%	29,107
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 Costs			32,754,859	-	6,335,931	(6,335,931)	32,754,859	61%	20,030,997	12,723,862	1,398,077	26,366,929	100%	32,754,859
<b>Shepard Wetlands 2000-2015</b>					<b>171,260,425</b>	<b>-</b>	<b>30,918,069</b>	<b>(30,918,069)</b>	<b>171,260,425</b>		<b>97,747,229</b>	<b>73,513,196</b>	<b>6,822,333</b>	<b>128,665,298</b>		<b>171,260,425</b>
Shepard Wetlands 2016-2024	897-000	Shepard Wetland Projects	2017	Y	2,976	-	-	-	2,976	0%	-	2,976	-	-	100%	2,976
Shepard Wetlands 2016-2024	897-000	Shepard Wetland Projects	2017	Y	798,532	-	-	-	798,532	0%	-	798,532	-	-	100%	798,532
Shepard Wetlands 2016-2024		Financing Costs			853,439	-	-	-	853,439	0%	-	853,439	-	-	100.0%	853,439
<b>Shepard Wetlands 2016-2024</b>					<b>1,654,946</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,654,946</b>	<b>0%</b>	<b>-</b>	<b>1,654,946</b>	<b>-</b>	<b>-</b>		<b>1,654,946</b>
<b>Total Shepard Wetlands</b>					<b>172,915,371</b>	<b>-</b>	<b>30,918,069</b>	<b>(30,918,069)</b>	<b>172,915,371</b>		<b>97,747,229</b>	<b>75,168,142</b>	<b>6,822,333</b>	<b>128,665,298</b>		<b>172,915,371</b>
Pine Creek 2000-2015	897-000	Master Drainage Plans	Completed	Y	5,821	-	-	-	5,821	0%	-	5,821	-	-	100%	5,821
Pine Creek 2000-2015		Financing Costs			-	-	-	-	-	0%	-	-	-	-	0%	-
Pine Creek 2000-2015					5,821	-	-	-	5,821		-	5,821	-	-		5,821
Pine Creek 2016-2024	897-000	Priddis Storm Trunk Outfall - Expropriation of land was required	2016-2020	Y	27,830,641	-	11,076	(11,076)	27,830,641	1%	205,713	27,624,929	196,396	216,789	100.0%	27,830,641
Pine Creek 2016-2024		Financing Costs			17,768,510	-	-	-	17,768,510	0%	-	17,768,510	-	-	100.0%	17,768,510

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments					Levy Allocation		
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete <sup>3</sup> (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
<b>Pine Creek 2016-2024</b>					<b>45,599,151</b>	<b>-</b>	<b>11,076</b>	<b>(11,076)</b>	<b>45,599,151</b>	<b>1%</b>	<b>205,713</b>	<b>45,393,438</b>	<b>196,396</b>	<b>216,789</b>	<b>100.0%</b>	<b>45,599,151</b>
<b>Total Pine Creek</b>					<b>45,604,973</b>	<b>-</b>	<b>11,076</b>	<b>(11,076)</b>	<b>45,604,973</b>		<b>205,713</b>	<b>45,399,260</b>	<b>196,396</b>	<b>216,789</b>		<b>45,604,973</b>
Nose Creek 2000-2015	897-000	Master Drainage Plans	Completed	Y	660,517	-	66,944	(66,944)	660,517	51%	338,598	321,919	140,140	405,542	100.0%	660,517
Nose Creek 2000-2015	897-000	Skyview Ranch	Completed	Y	1,018,918	-	103,269	(103,269)	1,018,918	51%	522,323	496,595	216,181	625,592	100.0%	1,018,918
Nose Creek 2000-2015	897-000	West Symons Valley Bioengineering	Completed	Y	963,593	-	97,661	(97,661)	963,593	51%	493,962	469,631	204,443	591,624	100.0%	963,593
Nose Creek 2000-2015	897-000	N. Ridge MacDonald Trunk	Completed	Y	17,784,848	-	1,802,516	(1,802,516)	17,784,848	51%	9,116,964	8,667,884	3,773,362	10,919,480	100.0%	17,784,848
Nose Creek 2000-2015	897-000	North Beddington Trunk	Completed	Y	3,025,790	-	306,668	(306,668)	3,025,790	51%	1,551,097	1,474,693	641,974	1,857,764	100.0%	3,025,790
Nose Creek 2000-2015	897-000	North Ridge Macdonald Trunk	Completed	Y	4,258,568	-	431,611	(431,611)	4,258,568	51%	2,183,050	2,075,518	903,529	2,614,661	100.0%	4,258,568
Nose Creek 2000-2015	897-000	North Beddington Storm Trunk	Completed	Y	63,246	-	6,410	(6,410)	63,246	51%	32,422	30,825	13,419	38,832	100.0%	63,246
Nose Creek 2000-2015		<b>Financing Costs</b>			<b>6,010,033</b>	<b>-</b>	<b>547,174</b>	<b>(547,174)</b>	<b>6,010,033</b>	<b>34%</b>	<b>2,058,437</b>	<b>3,951,596</b>	<b>851,953</b>	<b>2,605,611</b>	<b>100.0%</b>	<b>6,010,033</b>
<b>Nose Creek 2000-2015</b>					<b>33,785,513</b>	<b>-</b>	<b>3,362,253</b>	<b>(3,362,253)</b>	<b>33,785,513</b>		<b>16,296,852</b>	<b>17,488,660</b>	<b>6,745,000</b>	<b>19,659,106</b>		<b>33,785,513</b>
Nose Creek 2016-2024	897-000	North Ridge Macdonald Trunk	Completed	Y	61,259	-	-	-	61,259	0%	-	61,259	-	-	100.0%	61,259
Nose Creek 2016-2024	897-000	Master Drainage Plans	Completed	N	-	-	-	-	-	0%	-	-	-	-	0.0%	-
Nose Creek 2016-2024	897-000	144 Av NE Storm Trunk 4	2018-2020	Y	-	-	-	-	-	0%	-	-	-	-	100%	-
Nose Creek 2016-2024	897-000	144 Av NE Storm Trunk 4	2019-2020	Y	10,400,000	-	-	-	10,400,000	0%	-	10,400,000	-	-	100%	10,400,000
Nose Creek 2016-2024	897-000	Glacier Ridge Storm Trunk and Outfall	2021-2022	Y	3,800,000	-	-	-	3,800,000	0%	-	3,800,000	-	-	100%	3,800,000
Nose Creek 2016-2024	897-000	North Beddington Storm Trunk	Completed	Y	968,772	-	969,778	(969,778)	968,772	0%	-	968,772	-	969,778	100.0%	968,772

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City Payments			Off-Site Levy Payments				Levy Allocation			
						City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$)(Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Nose Creek 2016-2024		Financing Costs			13,062,095	-	-	-	13,062,095	0%	-	13,062,095	-	-	100.0%	13,062,095
<b>Nose Creek 2016-2024</b>					<b>28,292,126</b>	<b>-</b>	<b>969,778</b>	<b>(969,778)</b>	<b>28,292,126</b>		<b>-</b>	<b>28,292,126</b>	<b>-</b>	<b>969,778</b>		<b>28,292,126</b>
<b>Total Nose Creek</b>					<b>62,077,638</b>	<b>-</b>	<b>4,332,031</b>	<b>(4,332,031)</b>	<b>62,077,638</b>		<b>16,296,852</b>	<b>45,780,786</b>	<b>6,745,000</b>	<b>20,628,883</b>		<b>62,077,638</b>
Elbow River 2000-2015	897-000	West Springs Trunk (Roads)	Completed	Y	1,028,787		144,833	(144,833)	1,028,787	81%	837,644	191,143	-	982,477	100.0%	1,028,787
Elbow River 2000-2015	897-000	Master Drainage Plans	Completed	Y	23,286		-	-	23,286	0%	-	23,286	-	-	100.0%	23,286
<b>Total Elbow River</b>					<b>1,052,073</b>	<b>-</b>	<b>144,833</b>	<b>(144,833)</b>	<b>1,052,073</b>		<b>837,644</b>	<b>214,429</b>	<b>-</b>	<b>982,477</b>		<b>1,052,073</b>
Bow River 2000-2015	897-000	Master Drainage Plans	Completed	Y	-		-	-	-	-	-	-	-	-	100.0%	-
Bow River 2000-2015	897-000	Edworthy Storm System (Bow Trail / Sarcee)	Completed	Y	75,341		334,361	(334,361)	75,341	409%	308,021	(232,680)	-	642,382	100.0%	75,341
Bow River 2000-2015		Financing Costs			-		-	-	-	0%	-	-	-	-	0.0%	-
<b>Bow River 2000-2015</b>					<b>75,341</b>	<b>-</b>	<b>334,361</b>	<b>(334,361)</b>	<b>75,341</b>		<b>308,021</b>	<b>(232,680)</b>	<b>-</b>	<b>642,382</b>		<b>75,341</b>
Bow River 2016-2024	897-000	Riverbend Trunk Pond -Redevelopment	TBD	Y	6,915,571	6,915,571	-	6,915,571	-	0%	-	-	-	-	0.0%	-
Bow River 2016-2024	897-000	Seton Storm Trunk -Project on hold	TBD	Y	7,000,000		-	-	7,000,000	0%	-	7,000,000	-	-	100.0%	7,000,000
Bow River 2016-2024	897-000	Seton Storm Trunk Ph 2 -Project on hold	TBD	Y	10,000,000		-	-	10,000,000	0%	-	10,000,000	-	-	100.0%	10,000,000
Bow River 2016-2024	897-000	Haskayne Outfall	2021-2022	Y	2,088,499		-	-	2,088,499	0%	-	2,088,499	-	-	100.0%	2,088,499
Bow River 2016-2024		Financing Costs			16,747,126	3,902,827	-	3,902,827	12,844,299	0%	-	12,844,299	-	-	100.0%	16,747,126
<b>Bow River 2016-2024</b>					<b>42,751,197</b>	<b>10,818,399</b>	<b>-</b>	<b>10,818,399</b>	<b>31,932,798</b>		<b>-</b>	<b>31,932,798</b>	<b>-</b>	<b>-</b>		<b>35,835,626</b>
<b>Total Bow River</b>					<b>42,826,538</b>	<b>10,818,399</b>	<b>334,361</b>	<b>10,484,038</b>	<b>32,008,139</b>		<b>308,021</b>	<b>31,700,118</b>	<b>-</b>	<b>642,382</b>		<b>35,910,967</b>
Fish Creek 2000-2015	897-000	Master Drainage Plans	Completed	Y	66,268	54,561	54,561	-	11,707	100%	11,707	-	-	66,268	100%	66,268
Fish Creek 2016-2024	897-001	Providence Storm Trunk and Outfall 2016-2024	2021-2022	Y	7,750,000		-	-	7,750,000	0%	-	7,750,000	-	-	100%	7,750,000
<b>Total Fish Creek</b>					<b>7,816,268</b>	<b>54,561</b>	<b>54,561</b>	<b>-</b>	<b>7,761,707</b>		<b>11,707</b>	<b>7,750,000</b>	<b>-</b>	<b>66,268</b>		<b>66,268</b>

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.

**Table 17:** Water Resources – Water Projects (continued)

Infrastructure Type	Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Indicate Y/N if the project was identify in the 5 yr	City Payments			Off-Site Levy Payments					Levy Allocation			
					"Total Capital Budget + Financing Costs of Projects <sup>1</sup> (\$) 2000-2024"	City + Regional Portion of Total Costs (\$)	"City Contribution to Date <sup>2</sup> (\$)"	"City + Regional Cost to Complete (\$) (Owed)"	"Off-site Levy Portion of Budget Costs <sup>3</sup> (\$)"	"Levies Contribution to date <sup>4</sup> (%)"	Off-site Levy Spent to date (\$)	Off-site Levy Cost to Complete <sup>3</sup> (\$)	2018 Levies Spent (\$)	Spent Portion of Project (\$)	"Allocation to levies <sup>4</sup> (%)"	Total Potential OSL Amount
Total Drainage 2000-2015					206,245,441	54,561	34,814,077	(34,759,516)	206,190,880	56%	115,201,454	90,989,426	13,567,334	150,015,531		206,245,441
Total Drainage 2016-2024					126,047,420	10,818,399	980,854	9,837,545	115,229,021	1%	205,713	115,023,308	196,396	1,186,567		119,131,848
Total Drainage					332,292,861	10,872,960	35,794,931	(24,921,971)	321,419,901		115,407,167	206,012,735	13,763,730	151,202,097		317,627,289
Total Utilities					5,586,936,052	2,812,622,891	1,212,737,953	1,599,884,938	2,774,313,161		288,919,006	2,485,394,155	38,408,836	1,501,656,960		3,263,588,930

<sup>1</sup> Represents total project costs, actual (2000-2018) and forecasted (2019-2024) 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. <sup>2</sup> City Contributions to date are from Utility Rate Revenue and/or Drainage Fees.

<sup>3</sup> 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. <sup>4</sup> % of total costs allocated to Off-site levies.-

# Schedule C – Community Services Details

## (Emergency Response Facilities, Calgary Public Library and Recreation)

Table 18 shows the detailed projects and amounts of the community services charges spent for the Emergency Response facilities, Calgary Public Library, and Recreation facilities.

**Table 18:** Community Services Projects

Program / Project #	Project Description	Start Date of the Project	Estimated Completion Date	Total Budget of Project (\$)	City Payments			Off-Site Levy Payments				Spent portion of project	Levy	City Payments: Funding Source					
					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 (\$)	2018 Levies Spent (\$)			"Percent allocation to levies % (Current Budget)"	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 (\$)
Fire 044-002	Replace Emergency Units	Ongoing	Ongoing	52,134,215	52,089,128	48,086,007	4,003,121	45,086	45,086	0	0	48,131,093	0.1%	40,695,585	7,390,422	48,086,007	0	4,003,121	4,003,121
Recreation 506-693	Seton Recreation Facility	Aug-12	Mar-19	193,548,000	174,705,000	134,572,981	40,132,019	18,843,000	18,843,000	0	10,714,503	153,415,981	10%	23,643,382	110,929,599	134,572,981	24,956,618	15,175,401	40,132,019
Fire 041-180	West Macleod Emergency Response Station	Jan-19	Dec-19	1,000,000	0	0	0	1,000,000	0	1,000,000	0	0	100%	0	0	0	0	0	0
Fire 041-164	Tuscany Emergency Resp Stn	Sep-14	Dec-19	16,385,025	5,105,320	3,941,670	1,163,651	11,279,705	11,259,665	20,040	1,953,486	15,201,334	69%	2,864,305	1,077,365	3,941,670	0	1,163,651	1,163,651
Fire 041-166	Royal Vista Emergency Resp Stn	Nov-12	Dec-19	15,867,262	7,154,069	6,589,952	564,117	8,713,193	8,504,193	209,000	933,000	15,094,145	55%	6,069,409	520,543	6,589,952	564,117	0	564,117
Fire 041-175	East Macleod Emergency Station	Jan-18	Dec-20	15,048,000	3,000,000	66,016	2,933,984	12,048,000	0	12,048,000	0	66,016	80%	0	66,016	66,016	2,000,000	933,984	2,933,984
Fire 041-178	Cornerstone Emergency Response Station	Jan-18	Dec-20	16,700,000	10,200,000	0	10,200,000	6,500,000	0	6,500,000	0	0	54%	0	0	0	6,497,840	3,702,160	10,200,000
Fire 042-179	Station 17 Replacement	Jun-17	Dec-20	19,000,000	6,500,000	2,160	6,497,840	12,500,000	0	12,500,000	0	2,160	66%	0	2,160	2,160	0	6,506,840	6,506,840
Fire 041-171	NE New Super Station	Jan-17	Dec-21	14,949,853	10,985,853	115,469	10,870,384	3,964,000	1,139,269	2,824,731	0	1,254,738	27%	0	115,469	115,469	10,649,853	220,531	10,870,384
Civic Partners 479-004	Symons Valley Library	2020	2021	16,000,000	5,000,000	0	5,000,000	11,000,000	3,000,000	8,000,000	0	3,000,000	69%	0	0	0	5,000,000	0	5,000,000
Recreation 506-694	Rocky Ridge Recreation Facility		Completed	192,049,327	143,281,414	113,011,515	30,269,899	48,767,913	48,767,913	0	0	161,779,428	25%	44,013,086	68,998,429	113,011,515	0	30,269,899	30,269,899
Recreation 506-698	Great Plains Recreation Facility		Completed	30,300,000	23,146,000	22,520,807	625,194	7,154,000	7,154,000	0	0	29,674,806	24%	10,000,000	12,520,807	22,520,807	0	625,194	625,194
Recreation 506-699	Quarry Park Recreation Facility		Completed	55,600,000	47,930,000	47,294,946	635,054	7,670,000	7,670,000	0	0	54,964,946	14%	0	47,294,946	47,294,946	0	635,054	635,054
Fire 041-165	Evergreen Emergency Response Station	Feb-11	Completed	8,965,274	3,819,275	3,819,275	0	5,145,999	5,113,081	32,919	0	8,932,355	57%	3,819,274	1	3,819,275	0	0	0
Fire 041-167	Symons Valley Emergency Resp Stn		Completed	9,719,786	7,221,732	7,221,732	0	2,498,054	2,498,054	0	0	9,719,786	26%	6,898,617	323,115	7,221,732	0	0	0
Fire 041-168	Douglas Glen Emergency Resp Stn		Completed	7,796,539	7,668,457	7,668,457	0	128,082	128,082	0	0	7,796,539	2%	7,668,456	1	7,668,457	0	0	0
Fire 041-169	Seton Emergency Resp Stn	Dec-10	Completed	16,648,379	12,048,379	12,018,827	29,552	4,600,000	4,600,000	0	0	16,618,827	28%	11,365,928	652,899	12,018,827	29,552	0	29,552
Fire 041-172	Station #5 Replacement/ Rebuilding		Completed	9,349,738	8,612,913	8,612,913	0	736,825	736,825	0	0	9,349,738	8%	6,450,000	2,162,913	8,612,913	0	0	0
<b>Total Community Services</b>				<b>691,061,399</b>	<b>528,467,541</b>	<b>415,542,726</b>	<b>112,924,815</b>	<b>162,593,858</b>	<b>119,459,169</b>	<b>43,134,689</b>	<b>13,600,990</b>	<b>535,001,895</b>		<b>163,488,042</b>	<b>252,054,684</b>	<b>415,542,726</b>	<b>49,697,980</b>	<b>63,235,835</b>	<b>112,933,815</b>

**Note:** Project Budget based on approval budget as well as estimated budget up to the end of the project. Forecasted budget is subject to changes depending on the timing and financing arrangement.

# Schedule D – Community Services Details

## (Transit Buses)

Table 19 shows the detailed projects and amounts of the community services charges spent for transit buses. The Total Budget of Project costs include purchases attributed to both vehicle replacement and new vehicles; the Off-site Levy Portion of Budget indicates the amount of the Total Budget attributable to levy-eligible transactions.

**Table 19:** Transit Bus Projects

Program / Project #	Project Description	Start Date of the Project & Estimated Completion Date	Total Budget of Project (\$)	City Payments			Off-Site Levy Payments				City Payments: Funding Source						
				City Portion of Budget (\$)	City Contribution to date (\$)	City Cost to Complete (\$)	Off-site Levy Portion of Budget (\$)	Off-site Levy Spent to date (\$) up to Dec 31, 2018	Off-site Levy Cost to Complete (\$)	2018 Levies Spent (\$)	Spent portion of project (\$)	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 (\$)
665-02W	Bus Purchases (2014 to 2018)	2014 to 2015	53,095,000	51,751,000	51,751,000	-	1,344,000	1,344,000	-	-	53,095,000	51,751,000	-	51,751,000	-	-	-
665-02W	Bus Purchases (2014 to 2018)	2016 to 2018	32,457,463	28,547,901	28,547,901	-	3,909,563	3,909,563	-	1,497,563	32,457,464	28,547,901	-	28,547,901	-	-	-
665-02W	Bus Purchases	2019 to 2022	113,191,667	94,944,177	-	94,944,177	18,247,490	-	18,247,490	-	-	-	-	-	86,416,284	8,527,893	94,944,177
<b>Total</b>			<b>198,744,131</b>	<b>175,243,078</b>	<b>80,298,901</b>	<b>94,944,177</b>	<b>23,501,053</b>	<b>5,253,563</b>	<b>18,247,490</b>	<b>1,497,563</b>	<b>85,552,464</b>	<b>80,298,901</b>	<b>-</b>	<b>80,298,901</b>	<b>86,416,284</b>	<b>8,527,893</b>	<b>94,944,177</b>

**Note:** Project Budget based on approval budget as well as estimated budget up to the end of the project. Forecasted budget is subject to changes depending on the timing and financing arrangement.

# Schedule E – Community Services Details

## (Calgary Police Service)

Table 20 shows the detailed projects and amounts of the community services charges spent for Calgary Police Services facilities.

**Table 20:** Calgary Police Service Projects

Program / Project #	Project Description	Start Date of the Project	Estimated Completion Date	Indicate Y/N if the project was identify in the Dec 2015 OSL Background Report	Total Budget of Project (\$)	City Payments			Off-Site Levy Payments				Spent portion of project	Percent allocation to levies %	Levy Allocations		City Payments: Funding Source						
						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 (\$)	Off-Site Levy Amount Collected To Date (\$)			2018 Levies Spent (\$)	Total Potential OSL (of Current Budget)	Total Potential OSL (Per 2015 Background Report)	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 (\$)
038-381	Future District Office 1	2021	TBD	Y	\$32,500,000	\$0	\$0	\$0	\$32,500,000	\$0	\$32,500,000	\$28,203,651	\$0	\$0	100%	\$32,500,000	\$34,941,500	\$0	\$0	\$0	\$0	\$0	\$0
038-381	Future District Office 2	TBD	TBD	Y	\$32,500,000	\$0	\$0	\$0	\$32,500,000	\$0	\$32,500,000	\$0	\$0	\$0	100%	\$32,500,000	\$34,941,500	\$0	\$0	\$0	\$0	\$0	\$0
038-381	Customer Service Centre NW <sup>1</sup> (part of new Arrest Processing Centre by Spy Hill Correctional Facility)	Q1 2018	Q2 2020	Y	\$25,000,000	\$21,000,000	\$0	\$21,000,000	\$4,000,000	\$0	\$4,000,000	\$4,000,000	\$0	\$0	16%	\$4,000,000	\$10,133,035	\$0	\$0	\$0	\$21,000,000	\$0	\$21,000,000
<b>Total</b>					<b>\$90,000,000</b>	<b>\$21,000,000</b>	<b>\$0</b>	<b>\$21,000,000</b>	<b>\$69,000,000</b>	<b>\$0</b>	<b>\$69,000,000</b>	<b>\$32,203,651</b>	<b>\$0</b>	<b>\$0</b>		<b>\$69,000,000</b>	<b>\$80,016,035</b>						

<sup>1</sup> For the "Customer Service Centre NW": the \$4m is the portion of the project allocated to a new District Office function (the Customer Service component). This will be the last part of the project completed. The remainder is a relocation of the 7 AV SW processing centre that was damaged in the flood.



