



CAPITAL BUDGET 2020 AND 10 YEAR CAPITAL PLAN
(2021 – 2029)
The Corporation of The City of Red Deer, Alberta, Canada



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Department Abbreviations

CMD	City Manager
CSP	Communications & Strategic Planning
COM	Community Services Directorate
COR	Corporate Services Directorate
DEV	Development Services Directorate
ELP	Electric, Light & Power
ESD	Emergency Services
ENG	Engineering Services
ENV	Environmental Services
FIN	Financial Services
GEN	General Programs
HRD	Human Resources
INL	Inspections & Licensing
ITS	Information Technology Systems
LED	Land & Economic Services
LGS	Legislative Services
PLA	Planning Services Directorate
PLN	Planning Services
POL	RCMP
PRO	Protective Services Directorate
PWS	Public Works
RPC	Recreation, Parks & Culture
RAS	Revenue & Assessment Services
SOC	Social Planning
TRN	Transit

November 18, 2019

2020 Capital Budget Report

Director of Corporate Services on behalf of the EBP team

Report Summary & Recommendation

The report and subsequent documentation is the recommended 2020 Capital Budget and 2021-2029 Capital Plan from Administration. It was prepared:

- To comply with budget guidelines from City Council
- In collaboration with all departments
- Sensitive to the economic conditions within our community
- With a focus on maintaining our current assets and basic infrastructure
- Mindful of our commitment to financial leadership and sustainability.

On November 18 and 19 Council will be asked to approve the 2020 Capital Budget expenditures and approve the 2021-2029 Capital Plan in principle using the layer cake:

In \$ '000

Category	2020 Total	10 Year Total
Infrastructure: Rehabilitation & Replacement	121,664	914,431
Current Growth	49,803	261,400
Future Growth	3,199	131,195
Community Amenities	5,748	49,086
Total	180,414	1,356,115

Proposed Resolution

1. Council approve the Capital Budget for 2020 including funding for multi-year projects
2. Council approve the Capital Plan for 2021-2029 for planning purposes
3. Funding sources for the 2020 capital budget including multi-year projects to be brought forward to the November 25, 2019 regular meeting of Red Deer City Council
4. Borrowing bylaws to be brought forward to the December 9, 2019 regular meeting of Red Deer City Council

Background

Enterprise Business Planning (EBP) is often referred to as the ‘budget’ for the organization. Every year we prepare the operating and capital budgets based on a set of EBP Guidelines. These guidelines (step two of the EBP cycle) have two main components: the Budget Direction from Council and the instructions from Administration.

The capital budget indicates the funds needed for the first year of the 10-year capital forecast period or multi-year projects. It is how we pay for major projects such as reconstructing streets; repairing, upgrading or additions to our public facilities such as recreation facilities, community centres, city hall, parks and fire halls; dealing with growth pressures such as new streets; and new initiatives. These costs are similar to maintaining, repairing, upgrading or adding an addition to your home this year.

A capital plan is our investment plan for the next 10 years. Long term planning allows The City to tailor projects to the changing needs of the community and manage our finances including savings for maintaining our major capital investments.

Administration has prepared the capital budget to comply with Council’s Budget Guidelines passed on June 10, 2019 with the exception to offsite levies reserves which will now be in a negative balance due to proposed changes to our offsite levy program and subsequent bylaw. Administration is also recommending that previously approved internal borrowing for offsites be reversed. This amounts to \$6 million being returned to Electric Light and Power Capital Reserve and \$4.5 million being returned to the Fleet Reserve. A table listing the Council guidelines related to the capital budget and Administration’s response is attached to the report.

Discussion & Analysis

Overall budget:

Administration has proposed a \$180.4 million 2020 capital budget, including multi-year projects, broken down as follows:

Tax supported:	\$124.6 million
Utility/Self supported:	\$ 48.4 million
Capital funded operating:	\$ 7.4 million

This compares to \$82 million for the 2018 budget and \$122 million in the 2019 budget.

The value of the 10 year budget and plan is \$1,356.1 million, broken down as follows:

Tax supported:	\$687.9 million
Utility/Self supported:	\$656.6 million
Capital funded operating:	\$ 11.6 million

This compares to \$1,496.6 million for the plan last year.

The Budget in Brief

2020 Budget Process

The EBP team (Corporate Services and The City Manager) worked collaboratively with all departments to recommend a 2020 capital budget to city Council.

All departments were asked to submit capital requests that focused on the essential services provided by The City of Red Deer and subsequently to prioritize their requests. All submissions are carefully considered and discussed by the team. After meeting with all departments and divisions, the EBP team reviewed the 2020 capital budget and plan with members of the Corporate Leadership Team (CLT) who support the proposed plan given the current economic climate and corporate financing.

This year Administration has refreshed its presentation of the capital budget to focus on the major projects – or the top twenty. This type of focused presentation will provide more transparency to the public on what the major types of investments they can expect and focus the discussion and debate by Council.

This year the Capital Budget and Plan presentation has been revised to focus on the top twenty projects in the aggregate and broken down by each spending layer. For each layer we have presented an overview along with the capital detail sheet for each of the major projects in that layer that are part of the overall top twenty. For the remaining projects in each layer we have provided a total number of projects and the total spending.

Budget context

The focus of the 2020 Capital Budget and plan is on maintenance and infrastructure. Within the recommended 2020 budget, \$121.7 million or 67% will be spent on projects in this category. Spending in this layer focuses on basic services such as roads, utilities and maintenance.

It was a deliberate choice to focus spending in the infrastructure layer given the economic climate and the challenges that places on our corporate financing. The work of municipal government in a difficult economy does not decrease and in some cases the demands are even greater. Government, through targeted spending, is often a catalyst for the economy in tough economic times and the basic infrastructure provided by municipalities such as roads and utilities are important factors in driving economic growth.

The City of Red Deer has invested significantly in community infrastructure in the past 10 years. Projects like the skate park and spray park were part of the suite of investment during the 2013 Centennial Year. The 2019 Canada Winter Games also provided a catalyst to many community projects such as the Servus Arena and improvements at both River Bend and Great Chief Park.

Our capital budget and plan have been affected by the following:

- In 2019 we significantly decreased the amount we were spending on basic assets and asset management. In 2020 the focus is back on keeping our city and our assets in good repair.
- Our debt limit has decreased because of the continued slow growth/lower revenue. Our debt limit is 1.5 times our revenue so when revenue is down so is our debt limit.
- The split between tax/offsites have changed with the new offsites levy policy/bylaw. This has shifted more of the development costs to the tax side.
- We are anticipating a decrease to Municipal Sustainability Initiative grant funding which impacts our capital budget and plan. The provincial budget will be tabled after we publish our recommended budget and plan. Administration may need to revise the capital budget at that time.
- We are intentionally decreasing the amount of operating to capital reserves in response to the pressures on our operating budget and sustainability of existing service levels.

In response Administration has refocused the proposed spending on basic infrastructure and maintenance. Projects from the previous plan have been moved into future years in order to comply with Council's debt policy and ensure sustainability for our corporate finances. Projects removed from the capital plan are reconsidered by Administration when financial circumstances or operational circumstances warrant or to respond to Council direction

Significant changes

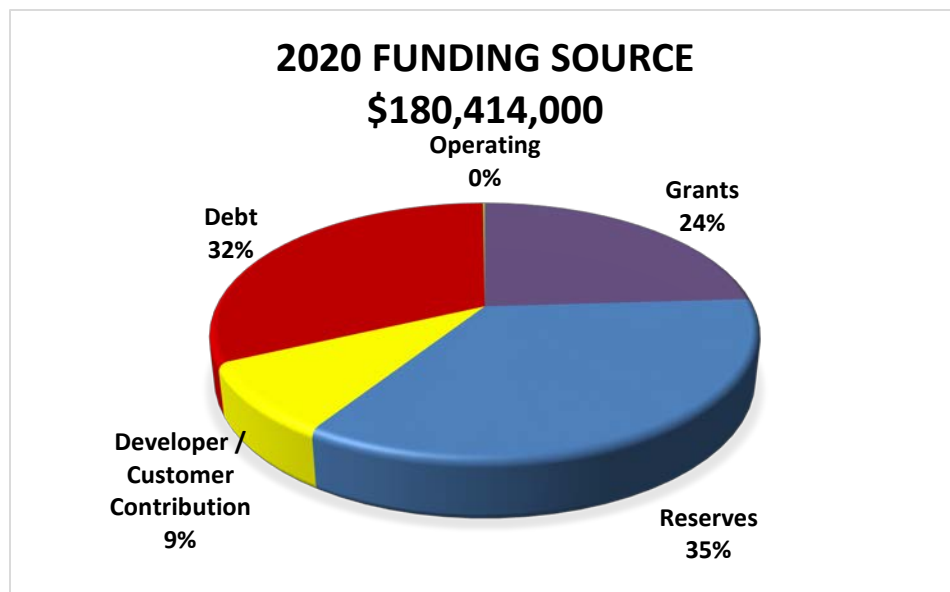
Administration has made some changes to the plan in order to comply with Council budget direction and corporate financing. The most significant changes include:

- Portions of The North Highway Connector (Northland Drive) have been moved to beyond the 10 year capital plan given current slow economic growth. When growth increases we expect to reevaluate the need for the North Highway Connector within the plan.

- Under the proposed model, off site levies reserves will now show in a negative balance which properly shows the front end investment by The City of Red Deer towards development.
- The CPR Pedestrian Bridge Preservation project has been moved out of the plan based on updated engineering studies. Administration will continue to monitor the bridge condition.
- A new RCMP Detachment in the north has been removed and will be reconsidered when growth improves.
- The Aquatic Centre and the Rotary Recreation Park & South Area Enhancement projects have been moved from within the plan. A study looking at sites will be presented to Council in the first quarter of 2020. The cost of the pool will be updated with this information and it will be considered again in the 2021 budget process.

Financing

There are 5 categories of funding for the Capital Budget. The main source of funding is from reserves as per the following chart.



Reserves

The main source of capital funding for tax supported operations is the Capital Projects Reserve (CPR). This reserve is generally used to fund projects less than \$1 million, non-eligible expenses for grant funded projects and operating grants funded by capital.

The primary source of funding for the reserve is an annual, ongoing transfer from the Operating Budget. The 2019 transfer amount was \$10.1 million which had built up over time, especially in the last four budgets due to the 1% community amenities and growth contribution.

An additional 1% contribution in 2020 has been included in the Operating Budget to comply with Council budget guidelines. This will increase the annual ongoing transfer by \$1.364 million bringing the total transfer to \$11.464 million.

Due to the pressure in the Operating Budget, it is proposed to take a cost saving of \$3.5 million. This will reduce the annual ongoing transfer from \$11.464 million to \$7.964 million. This results in an overall reduction of \$2.136 million.

Each utility¹ or self-supported² operation has its own reserve. The capital reserves are used to help fund capital projects in each of the self-supported operations and are monitored for sustainability over a 10 year period. The primary source of funding for each of these reserves is surplus from self-supported operations.

If the funding sources from any of the reserves are impacted, additional changes would be required to the 10 year capital budget and plan.

In \$ '000

Proposed Funding Sources	2020 Total	Ten Year Total
Tax Supported Reserves	15,154	88,857
Other Reserves	48,066	448,772
Total	63,220	537,629

The Debt Repayment Reserve (DRR) is an integral part of the capital budget process as it is used to fund tax supported debenture principal and interest payments for projects that are funded by tax supported debt. It is not factored into the funding sources that fund the capital plan. . The primary source of funding for the reserve is an annual transfer from the Operating Budget. The 2019 transfer amount is \$8.4 million. This reserve is monitored to ensure there are sufficient funds available to make tax supported debt repayments. Transfers are done between the CPR and the DRR as required to ensure the reserve balances remain above zero.

Debt

Debt is split into tax supported debt and other debt, however both contribute towards The City’s debt limit. The amount of debt that a municipality can incur is set by the Government of Alberta

¹ Utility operations are: Water, Waste Water, Electric Light and Power (ELP), Waste Management
² Self supported operations are: Parking, Land Bank, Fleet

at 1.5 times annual revenue. Based on this provincial formula the debt limit for the City is \$522.966 million as of December 31, 2018 and is projected to be \$533.456 million at the end of 2019. Council has also set a policy to limit The City's debt to 75% of the debt limit through policy GP-F-2.2.

	2019 estimated	2020 proposed	10 year plan proposed
Debt amount	287,755,000	331,691,000	461,501,000
%	54%	61%	75%
% as per the council policy	72%	82%	100%

An annual increase of 2% has been assumed for revenue. Based on this revised assumption the debt limit in 2029 has been reduced to \$619 million from the 2028 balance as per last year's plan of \$836 million.

With the debt funding proposed, the estimated debt limit increases 61% at the end of 2020. The debt limit is estimated to reach 75% in 2022 and essentially remain at that level through to 2029. These amounts comply with Council policy. If the debt limit does not grow as predicted additional changes will be required in the 10 year budget and plan.

In \$ '000

Proposed Funding Sources	2020 Total	Ten Year Total
LT Debt - Tax Supported	43,528	230,406
LT Debt - Other	13,876	109,815
Total	57,404	340,221

Grants

The Municipal Sustainability Initiative (MSI) grant from the Provincial Government is the main grant used to fund capital budgets. Another significant grant is the Gas Tax Fund (GTF) from the Federal Government. At this point in time both grants, and/or a replacement program of some kind, are expected to be received for the next 10 years. We anticipate the provincial government will be reducing the amount of MSI and the plan has been adjusted accordingly. If these grants decrease more than anticipated we may need to make further adjustments to ensure we are balanced.

Other Provincial Grants that are contemplated as part of the 2020 Capital Budget are from the Alberta Community Transit Fund and the Green TRIP program. These grants are not ongoing and are competitive in nature so there is no funding from these grants beyond 2020 included in the 10 year capital budget and plan. Funding is included in 2020 as these grants have been announced.

There is also other provincial grant funding included in 2021 – 2029 period for the regional component of the Wastewater Treatment Plant Upgrade in the amount of \$99.480 million. If this grant is not received then the work would be scaled down and / or alternate funding would have to be used.

We do not include competitive grants as a funding source because they are not confirmed or certain. If we do receive the grant that funding is used in place of the funding source identified within the budget.

The GH Dawe Centre Enhancements project has a portion of the overall cost of construction included in the 2020 Operating Budget to allow for the relocation of underground utilities to occur. The 2020 portion of the project and the remaining construction cost are shown as debt funded. The City currently has a grant application with the Investing in Canada Infrastructure Program for the overall construction project. As this grant is competitive in nature, the \$15.4 million in federal funding and \$12.8 million in provincial funding (through the Municipal Sustainability Initiative) are not included in the current budget and plan. If grant funding is approved for this project then the capital budget and plan will be amended to reflect the receipt of the grant funding. The City portion of funding for the entire project is \$11.184 million which would be funded by debt. The 2020 amount requested is less than The City portion of funding so debt is an appropriate funding source at this time. There was a previous Council resolution for this project stating that it was approved as part of the 2020-2029 Capital Plan subject to Federal funding for the project being received.

\$ '000

Proposed Funding Sources	2020 Total	Ten Year Total
Municipal Sustainability Initiative Fund	24,443	154,362
Gas Tax Fund	12,278	75,203
Other Provincial Grants	4,970	104,450
GreenTRIP	1,675	1,675
Total	43,366	335,690

Developer / Customer Contributions

Some capital expenditures are initiated at the request of developers and customers such as EL&P customer servicing, annual development servicing and development agreement sign and pavement markings. These projects are funded through payments by the developers and customers which includes proceeds from land sales. There is also a customer contribution included in the 2020 Capital Budget for the Northland Drive Projects – Taylor Drive to 49th Ave project of \$9.460 million. If this contribution is not received then the work would be scaled down and / or alternate funding would have to be used.

For offsite levies, The City front ends the cost of the infrastructure and collects the amounts over time as development occurs. For Recreation Amenities the amounts are collected as development occurs and then community amenities are constructed.

In \$ '000

Proposed Funding Sources	2020 Total	Ten Year Total
Customer Contributions	14,745	79,034
Land Reserve/Sales	-	39,637
Offsite Levies	280	15,218
Recreation Amenity	1,150	6,436
Total	16,175	140,325

Operating

Some capital expenditures are funded with transfers from department operating budgets such as RPC Infrastructure Maintenance. This funding is in addition to the annual transfers for the CPR and the DRR.

In \$ '000

Proposed Funding Sources	2020 Total	Ten Year Total
Operating Budget	250	2,250
Total	250	2,250

Sustainability of Funding Sources

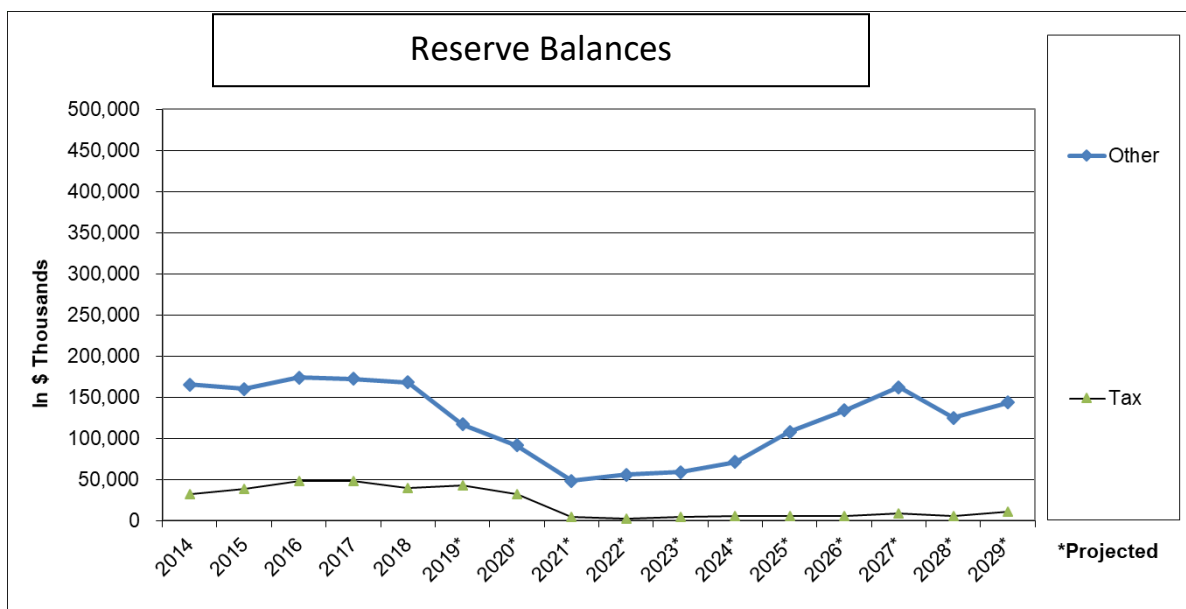
The 10 year capital budget and plan is fully funded. All funding sources are monitored for a 10 year period for sustainability. In order to balance the 10 year capital budget and plan and maintain sustainability within the funding sources, a significant number of projects were removed from the budget and plan. In total, 49 projects at an estimated cost of \$417.6 million were removed. The projects deferred are split as follows:

Layer Cake	Total Amount
Infrastructure	25.5 million
Current Growth	140 million
Future Growth	252.1 million

Reserves

The Capital Projects Reserve (CPR) balance is above zero throughout the 10 year capital budget and plan. The reserve is projected to have a balance of only \$118,000 to \$1,024,000 for the period 2022 – 2028. The actual balance at year end for this period should be higher as there is traditionally a lag factor of 40% in completing capital projects.

The various capital reserves for the self-supported operations have been kept above zero throughout the 10 year capital budget and plan. Reserve balances vary from operation to operation with the low point generally being 2023. Capital projects will be managed within the operations to ensure a positive balance is retained.

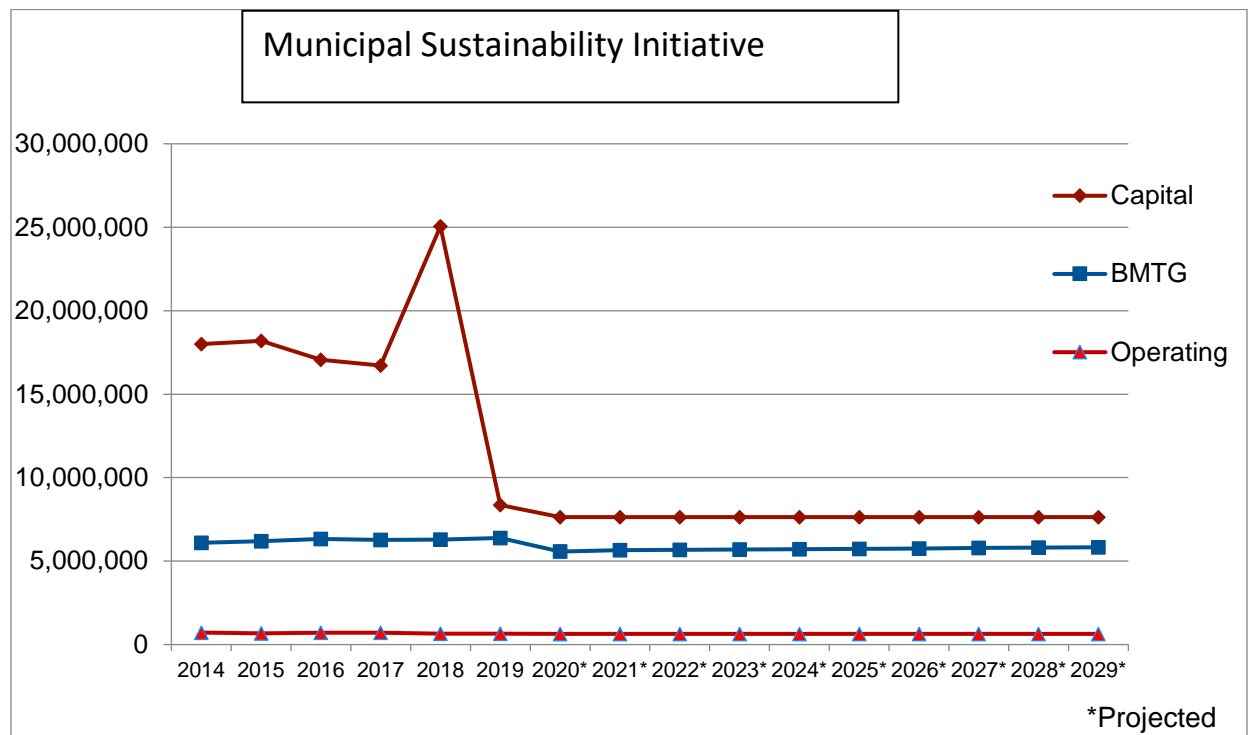


Grants

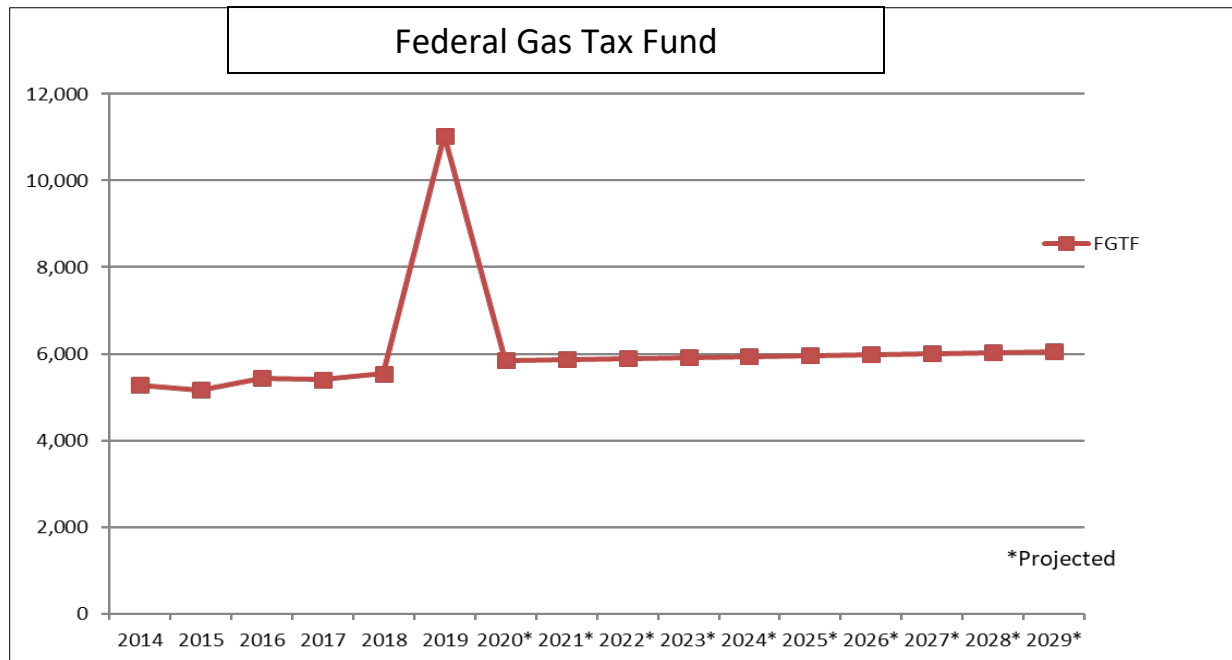
Projects funded by grants have been managed to ensure that grants are not over spent.

The amount received for 2019 for the Municipal Sustainability Initiative grant represents 90% of the funding received in 2018. The 2020 Capital Budget and remaining years of the plan have been prepared on the basis of a further 10% reduction in funding. If this amount is changed when the Provincial Budget is presented on October 24, 2019, adjustments will be required within the 10 year capital plan.

Considering the Gas Tax Fund (GTF), the grant amount has remained stable in recent years and there was a one-time injection of funds for 2019.



In \$ '000



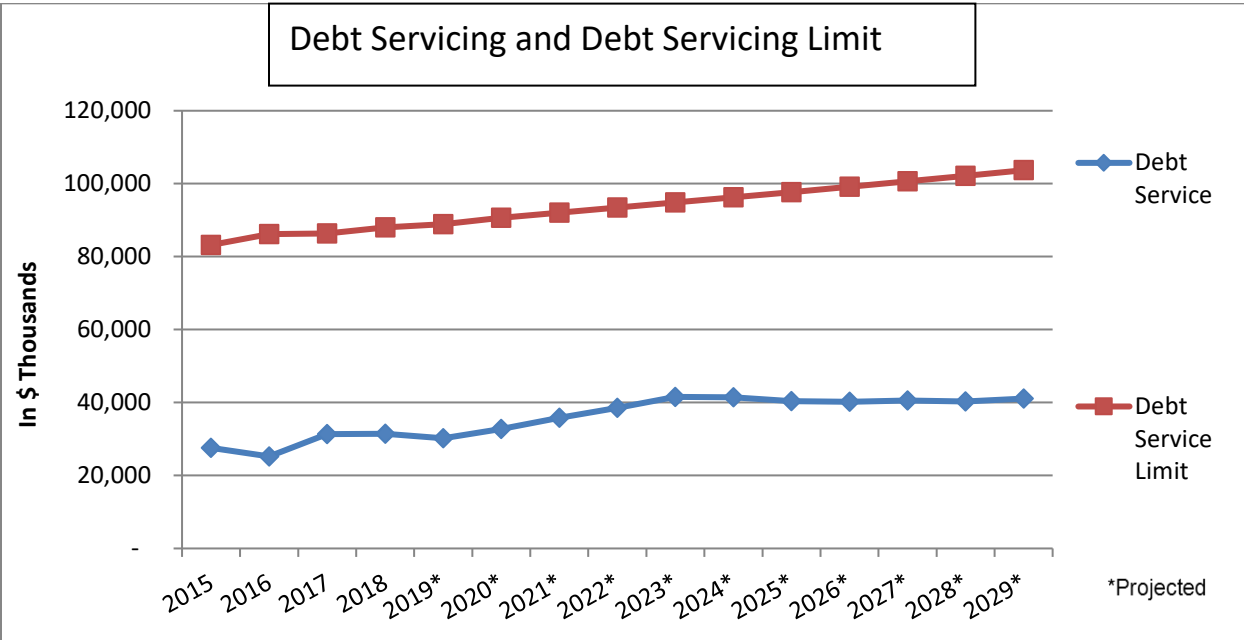
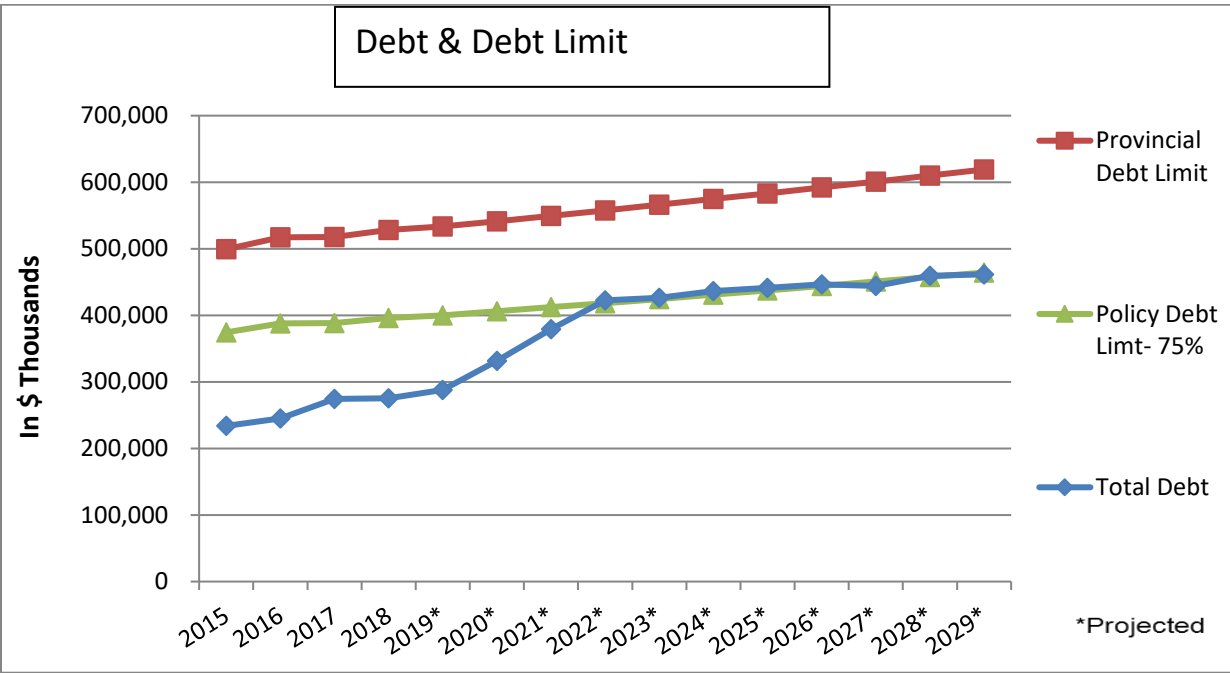
Debt

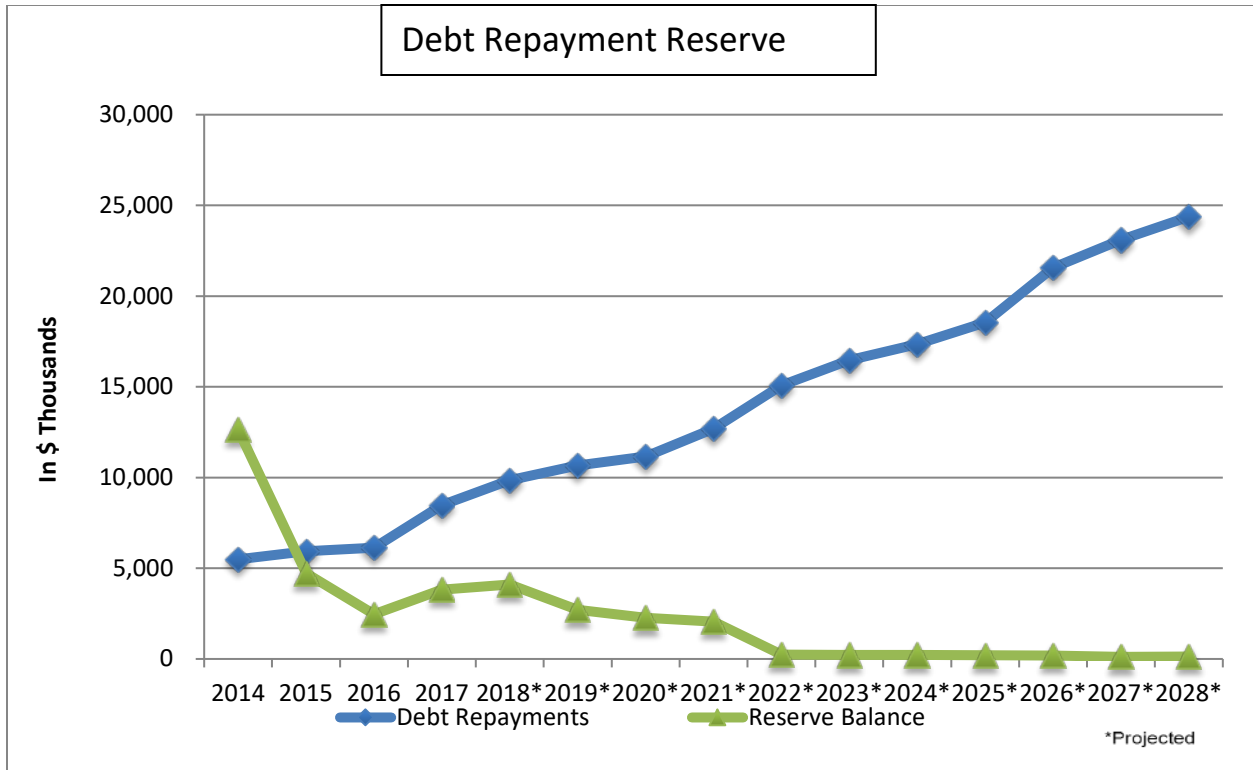
Debt is used to fund the acquisition of capital assets and spread the impact of paying for the assets over time. The low interest environment makes debt very affordable, however Administration must also have sufficient funds to pay for the debentures which is what the Debt Repayment Reserve is intended for. Most of the City's borrowing is done through the Alberta Capital Finance Authority (ACFA). The advantage of borrowing through the ACFA is that repayment terms of up to 30 years can be obtained and the interest rate does not change throughout the entire repayment term.

The Government of Alberta has a limit on the total amount of debt that a municipality may incur and a limit on the amount of annual debt servicing. In addition to these limits, City Council has also further restricted through policy the total amount of debt that is allowed for the City to 75% of the provincial debt limit.

To ensure that tax supported debt repayments can be made, The City has established a Debt Repayment Reserve (DRR). The balance in the reserve is projected for 10 years and is sustainable throughout the 10 year capital plan.

Total debt is expected to reach the 75% limit set by Council policy in 2022 and then remain at or close to that level through to 2029. Due to the current low interest rate environment, the debt servicing limit peaks at 42% of the provincial limit in 2023 – 2025 and then declines to about 39% through to 2029.





Operating Items Funded by Capital

The City does receive requests from other community organizations, such as The Red Deer Public Library and The Red Deer Regional Airport Authority to fund some of their capital. There are also items that the City considers to be capital such as Tree Replacement but accounting rules and regulations state are operating expenses. Both of these types of items are recorded as operating grants / expenses but the funding is provided from capital sources. These items have been included in the Capital Budget and Plan to ensure that the funding sources for these items remain sustainable.

There are 7 operating items funded by capital in the 2020 Capital Budget totaling \$7.383 million. Funding is split \$6.383 from the Capital Projects Reserve and \$1 million from the Municipal Sustainability Initiative grant.

Contributed Assets

There is one item (West Park Gardens – Store Hill) where the community has asked that the City take ownership of an asset they have built and maintain it in the future.

Impacts of Capital on Operating Budgets

In addition to the contributed assets above, there are additional operating requests that are necessary related to the capital items being approved in the budget. In total there are 28 funding requests totaling \$2.478 million that are being requested as part of the operating budget approvals for 2020.

Council 2020 Budget Guideline and Administration Response

Council Guideline	Administration response
A 1% capital contribution (amenity and growth) for the 2020 budget and within the plan	The 1% capital contribution is built into the current capital budget and plan.
2020 Capital Budget that is compliant with Council Policy Debt GP-F-2.2 which limits debt to 75% of the provincial debt limit	The capital budget complies with the debt policy.
A capital plan that is compliant with Council Policy Debt GP-F-2.2 which limits debt to 75% of the provincial debt limit	The capital plan complies with the debt policy.
Reserves in a positive balance	<p>All of our reserves are in a positive balance except for the offsite levy fund.</p> <p>With the new offsite levy bylaw, reserves for offsites will now be shown in a deficit position. This clearly shows the amount of money The City has front ended to encourage development.</p>
Offsite funds (reserves and deferred revenue) in a positive balance	With the new offsite levy bylaw, reserves for offsites will now be shown in a deficit position. This clearly shows the amount of money The City has front ended to encourage development.
Development of a policy on transfers between reserves to be developed	This policy was developed and reviewed by the audit committee to limit transfers between reserves
A capital budget for 2020 and capital plan for 2021-2029	Administration has prepared a capital budget and capital plan for Council's consideration.
A capital budget and plan that uses the 2019 budget and plan as a starting point	The capital plan from 2019 did serve as a starting point for the 2020 capital budget, however some changes have been made as a result of the current slow economic climate and corporate finances.
A capital plan that reflects the policy direction set by Council including its strategic direction, opportunities to leverage grants and revised growth projections	The capital plan focuses our investment on basic maintenance and infrastructure.
Providing information to Council on items not included for funding in our capital plan	A section within the capital budget documents outlines the significant projects removed from the capital budget and plan.

<u>Council Guideline</u>	<u>Administration response</u>
Using the layer cake to present our capital plan	The capital budget is presented differently this year but does include a presentation by layer cake.
Providing a copy of the capital plan to the public (in hard copy and digital format) to allow for public feedback that is provided to Council	The capital budget will be placed on line and in our recreation facilities.

Top 20 Capital Projects (Current Approval)

\$ in thousands

		INFRASTRUCTURE REPLACEMENTS							
Project	Dept	CURRENT APPROVAL	2020	2021	2022	2023	2024	2025-2029	2021 - 2029 Plan
		TAX SUPPORTED OPERATIONS							
Riverside Meadows / Fairview Communities Infrastructure Revitalization	ENG	24,977	1,515	4,621	6,659	5,460	5,173	1,549	-
Paved Roadway Network Management - Annual Program	PWS	11,851	11,851	11,851	11,851	11,851	10,422	52,430	98,405
City Hall Infrastructure Maintenance	INL	5,635	1,425	2,924	1,880	1,975	-	141	2,710
Enterprise Business Application	ITS	5,150	5,150	-	-	-	-	-	-
Storm Water Infrastructure - Annual Program *	ENV	3,624	3,624	-	1,600	3,500	1,800	20,946	27,846
Intermediate (Central) School - Preservation	RPC	3,156	3,156	-	-	-	-	179	179
Transit Network Improvements - 5 small Buses	TRN	2,500	2,500	-	-	-	-	-	-
Bridge Maintenance - Annual Program	PWS	2,102	2,102	472	4,038	535	2,340	25,585	32,971
CURRENT GROWTH									
Northland Drive Projects - Taylor Drive to 49th Ave	ENG	28,845	28,845	6,438	-	-	-	-	6,438
Multimodal Transportation Plan - Transit	TRN	6,500	6,500	-	-	-	-	-	-
COMMUNITY AMENITIES									
GH Dawe Centre Enhancements	RPC	5,090	5,090	16,977	17,317	-	-	-	34,294
Total - Tax Operations		99,430	71,758	43,283	43,345	23,321	19,736	100,830	202,843
UTILITY/SELF SUPPORTED									
INFRASTRUCTURE REPLACEMENTS									
Water Utility Infrastructure - Annual Program	ENV	6,721	6,721	7,722	8,081	10,614	11,048	62,377	99,842
Waste Management Infrastructure-Phase 2 Cell 1 Construction	ENV	6,537	535	6,002	-	-	-	-	-
Substations & SCADA - Multi Year Projects	ELP	4,277	1,629	2,648	900	2,863	1,983	6,160	11,906
Wastewater Main Infrastructure - Annual Program	ENV	3,873	3,873	4,029	4,192	4,360	4,537	25,579	42,697
Fleet Replacement Vehicles - Annual Program	PWS	3,464	3,464	11,803	6,356	10,026	7,139	85,918	121,243
EL&P Infrastructure Replacements & Upgrades Annual Program	ELP	3,263	3,263	3,120	3,077	2,809	2,302	6,499	17,807
WWTP Rehabilitation, Replacement and Upgrades - Annual Program	ENV	2,267	2,267	1,189	11,050	34,987	41,024	27,939	116,189
CURRENT GROWTH									
Enhancements of Electrical Service (Customer-Driven)	ELP	2,368	2,368	2,442	2,520	2,600	2,684	14,768	25,014
Total - Utility/Self Operations		32,770	24,120	38,956	36,176	68,259	70,718	229,240	434,700
OPERATING									
CURRENT GROWTH									
In Camera Item		3,700	3,700	-	-	-	-	-	-
Total - Operating in Nature		3,700	3,700	-	-	-	-	-	-
Total for Top 20 (Current Budget)		135,900	99,578	82,239	79,522	91,580	90,453	330,071	637,542
Total Remaining Projects in Budget (84)		44,514	40,253	81,314	63,509	33,164	56,424	308,008	538,158
% of Total Budget		75%	71%	50%	56%	73%	62%	52%	54%
Total Budget		180,414	139,831	163,553	143,030	124,744	146,878	638,078	1,175,700

Multi-year

* 2021 - 2029 Plan amounts funded as utility subject to Council approval.

Top 20 Capital Projects Map (Print on Ledger Sized Paper and Insert Copy Here)

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Top 20 Capital Projects (10-Year Plan)

\$ in thousands

		INFRASTRUCTURE REPLACEMENTS							2021 - 2029		
		CURRENT							Plan		
TAX SUPPORTED OPERATIONS	Project	Dept	APPROVAL	2020	2021	2022	2023	2024	2025-2029		
	Riverside Meadows / Fairview Communities Infrastructure Revitalization	ENG	24,976	1,515	4,621	6,659	5,460	5,173	1,549	-	
	Paved Roadway Network Management - Annual Program	PWS	11,851	11,851	11,851	11,851	11,851	10,422	52,430	98,405	
	Bridge Maintenance - Annual Program	PWS	2,102	2,102	472	4,038	535	2,340	25,585	32,971	
	Traffic Control System Upgrades - Annual Program	ENG	2,036	2,036	2,077	2,118	2,161	2,204	11,698	20,258	
	Municipal 3rd Party Capital Work	ENG	1,527	1,527	1,558	1,589	1,620	1,653	8,774	15,193	
	CURRENT GROWTH										
	Northland Drive Projects - Taylor Drive to 49th Ave	ENG	28,845	28,845	6,438	-	-	-	-	-	6,438
	South East Sector Transportation Improvements	ENG	1,018	1,018	14,952	6,673	-	-	-	-	21,625
	FUTURE GROWTH										
Future Growth	PDV	-	-	998	2,000	-	8,601	30,947	-	42,546	
COMMUNITY AMENITIES											
GH Dawe Centre Enhancements	RPC	5,090	5,090	16,977	17,317	-	-	-	-	34,294	
Total - Tax Operations		77,445	53,984	59,944	52,245	21,627	30,394	130,982		271,730	
		INFRASTRUCTURE REPLACEMENTS									
UTILITY/SELF SUPPORTED	Water Utility Infrastructure - Annual Program	ENV	6,721	6,721	7,722	8,081	10,614	11,048	62,377	99,842	
	Substations & SCADA - Multi Year Projects	ELP	4,277	1,629	2,648	900	2,863	1,983	6,160	11,906	
	Wastewater Main Infrastructure - Annual Program	ENV	3,873	3,873	4,029	4,192	4,360	4,537	25,579	42,697	
	Storm Water Infrastructure - Annual Program *	ENV	3,624	3,624	-	1,600	3,500	1,800	20,946	27,846	
	Fleet Replacement Vehicles - Annual Program	PWS	3,464	3,464	11,803	6,356	10,026	7,139	85,918	121,243	
	EL&P Infrastructure Replacements & Upgrades - Annual Program	ELP	3,263	3,263	3,120	3,077	2,809	2,302	6,499	17,807	
	WWTP Rehabilitation, Replacement and Upgrades - Annual Program	ENV	2,267	2,267	1,189	11,050	34,987	41,024	27,939	116,189	
	EL&P Overhead and Underground Systems - Annual Program	ELP	1,817	1,817	1,744	1,779	1,491	1,521	8,192	14,727	
	CURRENT GROWTH										
	Enhancements of Electrical Service (Customer-Driven)	ELP	2,368	2,368	2,442	2,520	2,600	2,684	14,768	-	25,014
Section 13 Subdivision Development	LED	-	-	-	-	-	-	35,614	-	35,614	
Waste Management Infrastructure	ENV	-	0	1,986	839	0	580	14,465	-	17,870	
Total - Utility/Self Operations		31,674	29,026	36,685	40,394	73,250	74,618	308,458		530,757	
Total for Top 20 (Plan)		109,119	83,010	96,629	92,639	94,877	105,012	439,440		802,488	
Total Remaining Projects in Plan (141)		71,295	56,821	66,924	50,391	29,867	41,866	198,638		373,212	
% of Total Budget		60%	59%	59%	65%	76%	71%	69%		68%	
Total Budget		180,414	139,831	163,553	143,030	124,744	146,878	638,078		1,175,700	

Multi-year

* 2020 amount treated as tax supported funding.

Multi-year Capital Projects

Category	Name	Item #	Dept	Current Approval	2020	2021	2022	2023	2024	2025-2029
INFRASTRUCTURE REPLACEMENT	Riverside Meadows / Fairview Communities Infrastructure Revitalization	173	ENG	24,977	1,515	4,621	6,659	5,460	5,173	1,549
	Waste Mgt Infrastructure-Phase 2 Cell 1 Construction	193	ENV	6,537	535	6,002	-	-	-	-
	City Hall Infrastructure Maintenance	301.01	INL	5,635	1,425	1,376	1,403	1,431	-	-
	Substations & SCADA - Multi Year Projects	13	ELP	4,277	1,629	2,648	-	-	-	-
	Mountview Pumping Station Upgrade	197	ENV	1,681	1,304	-	377	-	-	-
	Fleet Replacement Vehicles (Multi-Year)	223	PWS	1,559	-	1,559	-	-	-	-
	WWTP Plant Security	194	ENV	1,009	153	208	212	216	220	-
	WWTP Interior Lighting Improvement Program	195	ENV	891	326	343	222	-	-	-
	Reservoir/Booster Station Security Improvements	198	ENV	514	255	260	-	-	-	-
	Rotating Water Screens 201/202/203 Rebuild	201	ENV	216	107	109	-	-	-	-
	New Laboratory Methods	199	ENV	169	21	126	22	-	-	-
	WTP HVAC Exhaust Fans	200	ENV	81	26	27	28	-	-	-
COMMUNITY AMENITIES	Red Deer Museum & Art Gallery Enhancements	288	RPC	658	326	332	-	-	-	-
Grand Total				48,204	7,621	17,610	8,923	7,107	5,394	1,549

Infrastructure Replacement / Rehabilitation Projects

These projects restore, improve or replace a current facility, structure, property or equipment. These are foundational projects that bring current infrastructure back to good condition, restore to a former capacity, put something new in place for something that is worn out or no longer usable, or an improvement that adds value. This layer often relates to the core or basic services we deliver to our community and ensures the proper maintenance of our assets for the long term.

Administration’s proposed budget focuses spending in the area of basic infrastructure. Given the current slow economy, maintaining our current assets is not only a responsible approach, it ensures that our fundamental city services are able to be delivered efficiently and effectively.

For the 2020 Capital Budget, Council will be asked to approve \$121.664 million of projects within the Infrastructure Replacement / Rehabilitation category including multi-year projects.

This represents 67% of the overall budget for 2020 and consists of 80 projects.

The top projects within the infrastructure replacement layer of the 2020 budget are

Project Title	Division	Amount	Tax or Self Supported	Multi – Year
Riverside Meadows / Fairview Communities Infrastructure Revitalization	Development Services Division	24,977	TAX / SELF	Yes
Paved Roadway Network Management	Development Services Division	11,851	TAX	No
Water Utility Infrastructure - Annual Program	Development Services Division	6,721	SELF	No
Waste Management Infrastructure-Phase 2 Cell 1 Construction	Development Services Division	6,537	SELF	Yes
City Hall Infrastructure Maintenance	Planning Services Division	5,635	TAX	Yes
Enterprise Business Application	Corporate Services Division	5,150	TAX	No
Substations & SCADA - Multi Year Projects	Development Services Division	4,277	SELF	Yes
Wastewater Main Infrastructure - Annual Program	Development Services Division	3,873	SELF	No
Storm Water Infrastructure - Annual Program	Development Services Division	3,624	TAX	No
Fleet Replacement Vehicles – Annual Program	Development Services Division	3,464	SELF	No
EL&P Infrastructure Replacements & Upgrades – Annual Program	Development Services Division	3,263	SELF	No

2020 Capital Budget Detail

Project Title	Division	Amount	Tax or Self Supported	Multi – Year
Intermediate (Central) School - Preservation	Community Services Division	3,156	TAX	No
Transit Network Improvements - 5 small Buses	Community Services Division	2,500	TAX	No
WWTP Rehabilitation, Replacement and Upgrades – Annual Program	Development Services Division	2,267	SELF	No
Bridge Maintenance – Annual Program	Development Services Division	2,102	TAX	No
All other projects (65)		32,266		
Total		121,664		

A Capital Budget Detail sheet for each of the projects named within this table is attached for information.

For the 2021 - 2029 Capital Plan, Council will be asked to approve in principle \$792.768 million of projects within the Infrastructure Replacement / Rehabilitation category. This represents 67% of the overall capital plan.

The top projects within this layer for the 2021-2029 capital plan would include

Project Title	Division	Amount	Tax or Self Supported
Fleet Replacement Vehicles	Development Services Division	121,243	SELF
WWTP Rehabilitation, Replacement and Upgrades – Annual Program	Development Services Division	116,189	SELF
Water Utility Infrastructure – Annual Program	Development Services Division	99,842	SELF
Paved Roadway Network Management	Development Services Division	98,405	TAX
Wastewater Main Infrastructure – Annual Program	Development Services Division	42,697	SELF
Bridge Maintenance – Annual Program	Development Services Division	32,971	TAX
Storm Water Infrastructure – Annual Program	Development Services Division	27,846	SELF
Traffic Control System Upgrades – Annual Program	Development Services Division	20,258	TAX
EL&P Infrastructure Replacements & Upgrades – Annual Program	Development Services Division	17,807	SELF

2020 Capital Budget Detail

Project Title	Division	Amount	Tax or Self Supported
Municipal 3 rd Party Capital Work	Development Services Division	15,193	TAX
EL&P Overhead and Underground Systems – Annual Program	Development Services Division	14,728	SELF
Substations & SCADA – Multi-Year Projects	Development Services Division	14,554	SELF
All other projects (76)		171,035	
Total		792,768	

**Refer to table of contents for sequence of the Capital Budget detailed sheets.*

2020 Capital Budget Detail

ITEM NUMBER:
173.000

PROJECT NAME:

Riverside Meadows / Fairview Communities Infrastructure Revitalization

\$ 24,976,408

DEPARTMENT:

Engineering Services Dept

**Current Year
Budget
Request**

Project Description

The budget submission for the Riverside Meadows and Fairview neighborhoods is a collaborative effort from the following City departments: Engineering, Public Works, Environmental Services, Electric Light & Power and Parks.

The plan coordinates the work that is needed for infrastructure renewal/replacement in the neighborhoods to minimize costs and disruptions to the residents. The plan addresses basic core infrastructure replacement in both communities, while the improvement projects that are listed are for upgrades to the core areas of intersection improvements, street lighting & streetscapes that will incorporate/align multimodal transportation plan recommendations.

Public Works will lead with the concrete and asphalt work, Engineering, Parks and Electric, Light & Power will upgrade lighting, benches, trees, public art, bicycle racks, bulbing, and signage along Kerry Wood Drive, 54 Ave, 59 and 58 Streets. Environmental Services will oversee water and storm infrastructure

Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
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Additional Information	Funding Request Clarification	
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Multi Year Project: Multi Year	New Project: No	Category: PY
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Timing Change? Yes	Scope Change: No	Cost Adjustment: Yes
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Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction
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Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	1,515	265	0	1,250	0	0
FY21	4,621	686	0	3,876	58	0
FY22	6,659	1,033	0	4,327	1,300	0
FY23	5,460	1,629	0	3,392	439	0
FY24	5,173	1,972	0	2,608	593	0
FY25	1,549	278	0	880	391	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	24,976	5,863	0	16,333	2,780	0

2020 Capital Budget Detail

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
Previously Approved	5,029	224	0	1,712	3,092	0
Total	30,005	6,087	0	18,045	5,873	0

2020 Capital Budget Detail

**ITEM NUMBER:
229.000**

PROJECT NAME:

Paved Roadway Network Management – Annual Program

\$ 11,850,538

DEPARTMENT:

Public Works Dept

**Current Year
Budget
Request**

<i>Project Description</i>						
<p>The management of a paved roadway network should be viewed from a proactive and holistic approach, which encompasses various treatments at different stages, with the intent of maximizing the asset's overall service life. Annually, the paved roadway network conditions are assessed and Public Works develops programs to keep roadways in good shape for the safety and convenience of the users. A successful pavement management program includes Preventative Road Maintenance activities, mid-life cycle repaving and finally end of service life reconstruction components. In the past, two separate capital programs were administered on an annual basis for the management of the paved roadway network. Recognizing that the Pavement Rehabilitation (crown paving) and Roadway Reconstruction (Roads in Need) programs are heavily integrated throughout the assessment, planning and project delivery phases they are now being combined for submission under this single capital budget request in 2020. • The current 2019 overall network assessment indicates that the Pavement Quality Index (PQI) score is 56 and the overall Needs Backlog is 34%. "Backlog" is defined as the percentage of all roads that fall short of the base level of service as defined specifically as PQI values of 45 for locals, 50 for collectors and 55 for arterials and Primary Highway Connector roadways. The proposed 10 year budget plan (based on yearly funding amounts identified during the 2019 Capital Budget) is expected to result in an increase of the existing backlog to 48% and will reduce the network wide average pavement quality index to 52 in ten years. The current backlog is above the recommended range of 10 to 25%, traditionally considered as a "healthy" backlog.</p> <p>The 2019 capital budget was approved at \$12.1M after a reduction of \$2M. In order to achieve the recommended backlog of 25%, in 2020 we would require a budget approval of \$21.2M.</p>						
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0				
Additional Information	Funding Request Clarification					
Multi Year Project: CY Only	New Project: No				Category: IR	
Timing Change? No	Scope Change: No				Cost Adjustment: No	
Cost Confidence Level: 96% - 100%	Proceed without Grant: N/A				Inflation Category: Non Residential and Eng. Construction	
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	11,851	11,851	0	0	0	0
FY21	11,851	11,851	0	0	0	0
FY22	11,851	11,851	0	0	0	0
FY23	11,851	9,351	0	2,500	0	0
FY24	10,422	4,358	0	6,064	0	0
FY25	10,421	1,653	0	8,768	0	0
FY26	10,422	0	0	10,422	0	0
FY27	10,421	3,951	0	6,470	0	0

2020 Capital Budget Detail

FY28	10,478	1,551	0	0	8,928	0
FY29	10,688	3,949	0	6,739	0	0

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY30	0	0	0	0	0	0
Subtotal	110,256	60,365	0	40,963	8,928	0
Previously Approved	0	0	0	0	0	0
Total	110,256	60,365	0	40,963	8,928	0

2020 Capital Budget Detail

ITEM NUMBER:
176.00

PROJECT NAME:

Water Utility Infrastructure- Annual Program

\$ 6,720,837

DEPARTMENT:

Environmental Services Dept

**Current Year
Budget
Request**

Project Description	
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The Water Utility Infrastructure program maintains Red Deer's linear water infrastructure to deliver water to residents and regional customers to meet regulatory requirements.

- The Utility ROW Clearing project will clear water infrastructure rights of way that have become overgrown which limits access for inspection and maintenance
- The Communication Support project will fund a portion of an FTE from Communications to assist with informing residents about linear water projects
- The Water Infrastructure Project will replace vaults, hydrants, valves, mains and services
- Now that a majority of the water meters have been changed out in the City of Red Deer there will be some ongoing costs for the meter program. There will be the cost to install meters at new building locations as well as the replacement of meters that fail or become damaged. There are still a number of Industrial / Commercial / Institutional (ICI) that need to be converted to AMR meters over the next couple of years; these are generally larger meters that cost significantly more than a residential meter.

Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
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Additional Information	Funding Request Clarification	
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Multi Year Project: CY Only	New Project: No	Category: IR
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Timing Change? No	Scope Change: Yes	Cost Adjustment: Yes
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Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction
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Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	6,721	0	0	0	6,721	0
FY21	7,722	0	0	0	7,722	0
FY22	8,080	0	0	0	8,080	0
FY23	10,614	0	0	0	10,614	0
FY24	11,047	0	0	0	11,047	0
FY25	11,498	0	0	0	11,498	0
FY26	11,968	0	0	0	11,968	0
FY27	12,457	0	0	0	12,457	0
FY28	12,963	0	0	0	12,963	0
FY29	13,492	0	0	0	13,492	0
FY30	0	0	0	0	0	0

2020 Capital Budget Detail

Subtotal	106,562	0	0	0	106,562	0
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09-October-19

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
Previously Approved	0	0	0	0	0	0
Total	106,562	0	0	0	106,562	0

2020 Capital Budget Detail

**ITEM NUMBER:
193.00**

PROJECT NAME:

Waste Management Infrastructure - Phase 2 Cell 1 Construction

\$ 6,537,189

DEPARTMENT:

Environmental Services Dept

**Current Year
Budget
Request**

Project Description	
<p>The Waste Management Infrastructure program ensures that Red Deer's Waste Management Facility continues to be able to accept waste and divert materials received from residents.</p> <ul style="list-style-type: none"> - Phase 2 Cell 1 Construction will construct a cell to ensure uninterrupted access to landfilling volume 	
Public Art:	How much of the "Current Year Budget Request" is for Public Art? 0
Additional Information	Funding Request Clarification
Multi Year Project: Multi Year	New Project: No
Timing Change? No	Scope Change: No
Cost Confidence Level: 26% - 50%	Proceed without Grant: N/A
	Category: IR Cost Adjustment: No Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	535	0	0	0	535	0
FY21	6,002	0	0	0	6,002	0
FY22	0	0	0	0	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	6,537	0	0	0	6,537	0
Previously Approved	0	0	0	0	0	0
Total	6,537	0	0	0	6,537	0

NEW

**ITEM NUMBER:
301.010**

PROJECT NAME:

City Hall Infrastructure Maintenance

\$ 5,635,781

DEPARTMENT:

Insp. & Licensing Dept

**Current Year
Budget
Request**

Project Description						
<p>The capital request is for the replacement or upgrade of City Hall assets. The projects were identified in a 2004 City Hall Assessment report completed by Stantec and a 2016 Mechanical report from Williams Engineering. The estimated amounts have been updated to reflect current costs. Additional projects were added as advised by Public Works.</p> <p>Starting in 2020, the full replacement of windows and insulation will occur, one floor per year. This work was identified by a Full Window Audit, conducted in 2016 by Williams Engineering. The audit determined that all windows have surpassed their useful service life, and provide little thermal resistance. This is contributing to occupant discomfort, water ingress and elevated energy consumptions. It was identified that at the time the building was constructed, it was provided with minimal insulation and interior energy is freely exiting the building.</p> <p>The cost includes replacement of windows and insulation, replacement of all mechanical systems, along with the temporary relocation of departments to conduct the necessary work. It is likely that there will be various grants to apply for funding, and we will explore those options at that time. While the floors are vacated for this work, renovations will occur to the remaining bathrooms on the 3rd and 4th floors.</p> <p>Lastly, a renovation to the main floor to incorporate security functions and upgrades, including the exterior doors.</p>						
Public Art:		How much of the "Current Year Budget Request" is for Public Art?			\$56,358	
Additional Information		Funding Request Clarification				
Multi Year Project: Multi Year		New Project: Yes			Category: IR	
Timing Change? No		Scope Change: No			Cost Adjustment: No	
Cost Confidence Level: 51% - 95%		Proceed without Grant: N/A			Inflation Category: Non Residential and Eng. Construction	
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	1,425	1,425	0	0	0	0
FY21	2,924	2,924	0	0	0	0
FY22	1,880	1,880	0	0	0	0
FY23	1,976	1,976	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	69	69	0	0	0	0
FY27	0	0	0	0	0	0
FY28	72	72	0	0	0	0
FY29	0	0	0	0	0	0

2020 Capital Budget Detail

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
Previously Approved	0	0	0	0	0	0
Total	8,345	8,345	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	8,345	8,345	0	0	0	0

2020 Capital Budget Detail

ITEM NUMBER:
311.00

PROJECT NAME:

Enterprise Business Application

\$ 5,150,000

DEPARTMENT:

Information Tech Dept

Current Year
Budget
Request

Project Description		
As part of the Enterprise Business Applications (EBA) Project this capital budget request is to complete the EBA project by funding the purchase and implementation of a Human Resources Information System (HRIS). Components of the HRIS include but are not limited to:		
<ul style="list-style-type: none"> - Benefits Administration, Compensation Management, Performance Management, Health & Safety, Labour Relations, Scheduling, Employee Self Service, Talent Management, Time & Labour, Workforce Planning This will also fund the changes required to change the system to multi-year budgeting. 		
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: No	Category: IR
Timing Change? No	Scope Change: No	Cost Adjustment: No
Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Information Technology Projects

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	5,150	0	0	5,150	0	0
FY21	0	0	0	0	0	0
FY22	0	0	0	0	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	5,150	0	0	5,150	0	0
Previously Approved	0	0	0	0	0	0
Total	5,150	0	0	5,150	0	0

2020 Capital Budget Detail

ITEM NUMBER:
13.000

PROJECT NAME:

Substations & SCADA - Multi Year Projects

\$ 4,276,628

DEPARTMENT:

Electric Light & Power Utility Dept

Current Year
Budget
Request

Project Description						
<p>The City owns and operates 4 transmission substations that connect Red Deer to the Alberta power grid. These assets are considered part of the provincial transmission system and are under the regulatory jurisdiction of the Alberta Utilities Commission (AUC) and must follow rules and regulations established by the Alberta Electric System Operator (AESO). Virtually all transmission projects are subject to AESO and AUC approval and regulatory filing requirements. Costs related to transmission system assets receive revenue from all provincial customers. The City also owns and operates 11 distribution substations that are funded through our distribution rates for which Council is the regulatory body. These projects are for the replacement of major equipment and systems. Over the next 10 years, 6 of Red Deer's 7 power transformers will be replaced to ensure the ongoing safe and reliable connection of Red Deer to the Provincial Grid. Depending on development and growth, an 8th power transformer may need to be added to increase system capacity. The SCADA system that allows visibility and control of our substations and system devices will also be replaced over the next two years.</p>						
Public Art:		How much of the "Current Year Budget Request" is for Public Art? 0				
Additional Information		Funding Request Clarification				
Multi Year Project: Multi Year		New Project: No			Category: IR	
Timing Change? Yes		Scope Change: Yes			Cost Adjustment: Yes	
Cost Confidence Level: 51% - 95%		Proceed without Grant: N/A			Inflation Category: Non Residential and Eng. Construction	
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	1,629	0	0	0	1629	0
FY21	2,648	0	0	0	2,648	0
FY22	900	0	0	0	900	0
FY23	2,863	0	0	0	2,863	0
FY24	1,983	0	0	0	1,983	0
FY25	955	0	0	0	955	0
FY26	2,064	0	0	0	2,064	0
FY27	994	0	0	0	994	0
FY28	2,147	0	0	0	2,147	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0

2020 Capital Budget Detail

Subtotal	16,183	0	0	0	16,183	0
Previously Approved	0	0	0	0	0	0
Total	16,183	0	0	0	16,183	0

2020 Capital Budget Detail

ITEM NUMBER:
191.00

PROJECT NAME:

Wastewater Main Infrastructure - Annual Program

\$ 3,873,491

DEPARTMENT:

Environmental Services Dept

Current Year
Budget
Request

Project Description		
<p>The Wastewater Main Infrastructure program maintains Red Deer's linear wastewater infrastructure and pump stations to meet regulatory requirements and minimize environmental impacts.</p> <ul style="list-style-type: none"> - The Communication Support project will fund a portion of an FTE from Communications to assist with informing residents about linear wastewater projects - The Utility ROW Clearing project will clear wastewater infrastructure rights of way that have become overgrown which limits access for inspection and maintenance - The Wastewater Infrastructure project will replace and reline wastewater mains, services and manholes 		
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: No	Category: IR
Timing Change? Yes	Scope Change: Yes	Cost Adjustment: No
Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	3,873	0	0	0	3,873	0
FY21	4,029	0	0	0	4,029	0
FY22	4,192	0	0	0	4,192	0
FY23	4,360	0	0	0	4,360	0
FY24	4,537	0	0	0	4,537	0
FY25	4,719	0	0	0	4,719	0
FY26	4,910	0	0	0	4,910	0
FY27	5,108	0	0	0	5,108	0
FY28	5,314	0	0	0	5,314	0
FY29	5,528	0	0	0	5,528	0
FY30	0	0	0	0	0	0
Subtotal	46,570	0	0	0	46,570	0
Previously Approved	0	0	0	0	0	0
Total	46,570	0	0	0	46,570	0

2020 Capital Budget Detail

ITEM NUMBER:
177.00

PROJECT NAME:

Storm Water Infrastructure - Annual Program

\$ 3,624,081

DEPARTMENT:

Environmental Services Dept

**Current Year
Budget
Request**

Project Description		
<p>The Stormwater Infrastructure program maintains Red Deer's stormwater infrastructure to minimize risk to property and environmental impacts.</p> <ul style="list-style-type: none"> - The Utility ROW Clearing project will clear stormwater infrastructure rights of way that have become overgrown which limits access for inspection and maintenance - The Oil Grit Separator Installation will improve river water quality - The Storm Infrastructure project will replace, upgrade or reline storm infrastructure that has deteriorated or requires an upgrade. Condition assessment is collected through video and visual inspections. This information is used to determine the replacement rehabilitation schedule. The crown paving program is another filter used to determine scheduling. Replacement programs provide for 2% annual growth in infrastructure. - The Catchbasin Replacements project will repair catchbasins that have been damaged and have caused problems due to frost movement. We have reviewed our construction methods to come up with better practices for installation of the catchbasins which will avoid this cost in the future. The program will be continued until backlog of catchbasins is addressed. - The Stormwater Outfall Reconstruction will reconstruct existing stormwater outfalls on the river and creeks. 		
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: No	Category: IR
Timing Change? No	Scope Change: Yes	Cost Adjustment: Yes
Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	3,624	0	0	3624	0	0
FY21	0	0	0	0	0	0
FY22	1,600	0	0	1,600	0	0
FY23	3,500	0	0	3,500	0	0
FY24	1,800	0	0	1,800	0	0
FY25	4,417	0	0	4,417	0	0
FY26	597	0	0	597	0	0
FY27	5,782	0	0	5,782	0	0

2020 Capital Budget Detail

FY28	4,974	0	0	4,974	0	0
FY29	5,177	0	0	5,177	0	0
FY30	0	0	0	0	0	0

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
Subtotal	31,470	0	0	31,470	0	0
Previously Approved	0	0	0	0	0	0
Total	31,470	0	0	31,470	0	0

2020 Capital Budget Detail

ITEM NUMBER:
216.00

PROJECT NAME:

Fleet Replacement Vehicles - Annual Program

\$ 3,463,950

DEPARTMENT:

Public Works Dept

Current Year
Budget
Request

Project Description

This project funds the replacement of existing fleet vehicles at the end of their life cycle.
Grants are the primary funding source for conventional transit & specialized transit (action bus)
\$2,400,000 of fleet vehicles originally slated for replacement in 2020 have been deferred to 2021

Public Art: How much of the "Current Year Budget Request" is for Public Art? 0

Additional Information Funding Request Clarification

Multi Year Project: CY Only New Project: No Category: IR

Timing Change? Yes Scope Change: Yes Cost Adjustment: Yes

Cost Confidence Level: 96% - 100% Proceed without Grant: Yes Inflation Category: Fleet Projects

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	3,464	0	0	0	3,464	0
FY21	11,803	0	0	0	11,803	0
FY22	6,356	0	0	0	6,356	0
FY23	10,026	0	0	0	10,026	0
FY24	7,139	0	0	0	7,139	0
FY25	4,814	0	0	0	4,814	0
FY26	13,765	0	0	0	13,765	0
FY27	13,086	0	0	0	13,086	0
FY28	32,988	0	0	0	32,988	0
FY29	21,265	0	0	0	21,265	0
FY30	0	0	0	0	0	0
Subtotal	124,707	0	0	0	124,707	0
Previously Approved	0	0	0	0	0	0
Total	124,707	0	0	0	124,707	0

2020 Capital Budget Detail



**ITEM NUMBER:
4.000**

PROJECT NAME:

EL&P Infrastructure Replacements & Upgrades –Annual Program

\$ 3,262,690

DEPARTMENT:

Electric Light & Power Utility Dept

**Current Year
Budget
Request**

Project Description	
<p>Planned infrastructure upgrades and replacement of old overhead and underground cables and transformers in areas around Red Deer. Roughly 30% of The City's installed distribution system is 40 years old or more. This equates to an estimated 50 year (+/-) backlog to rebuild and upgrade this infrastructure to accommodate all of what will be asked of it as we incorporate local generation, renewables, and the anticipated demand for charging capacity for increased use of electric vehicles. Scheduling of infrastructure for replacement is determined by evaluation of age, reported outages, service call volume and overall assessment of risks to system reliability. The department continues to review capacity and demand for these projects and is taking a somewhat conservative approach. We will still maintain alignment with other priorities while balancing system upgrade needs with economic considerations.</p>	

Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
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Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: No	Category: IR
Timing Change? No	Scope Change: Yes	Cost Adjustment: Yes
Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	3,263	0	0	0	3,263	0
FY21	3,120	0	0	0	3,120	0
FY22	3,077	0	0	0	3,077	0
FY23	2,809	0	0	0	2,809	0
FY24	2,302	0	0	0	2,302	0
FY25	1,788	0	0	0	1,788	0
FY26	1,140	0	0	0	1,140	0
FY27	1,165	0	0	0	1,165	0
FY28	1,192	0	0	0	1,192	0
FY29	1,215	0	0	0	1,215	0
FY30	0	0	0	0	0	0
Subtotal	21,070	0	0	0	21,070	0

2020 Capital Budget Detail



Previously Approved	0	0	0	0	0	0
Total	21,070	0	0	0	21,070	0

2020 Capital Budget Detail



ITEM NUMBER:
281.00

PROJECT NAME:

Intermediate (Central) School – Preservation

\$ 3,155,800

DEPARTMENT:

Rec. Parks & Culture Dept

**Current Year
Budget
Request**

<i>Project Description</i>	
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Effective May 2019 Central Intermediate School became the new home for the Culture Services section of the Recreation Parks and Culture Department. Extensive renovations were completed on the north side of the building fully finishing the 1st and 3rd floors while the 5th floor remains at a tenant improvement state. Due to unanticipated structural issues and resulting budgetary constraints the south side of the building (2nd and 4th floors) were left functionally incomplete and require further renovations to bring them to a tenant ready state, along with the 5th floor. The 2020 Budget reflects this work as well as exterior signage pageantry and treatments to enhance the exterior of the building wayfinding and experience entering the facility. The building has been added to the RPC 10 Year Capital and Infrastructure Maintenance plan for asset life-cycling. The 2028 budget represents the assets scheduled for replacement or major repairs as per this plan.

Public Art:	How much of the "Current Year Budget Request" is for Public Art?	\$31,558
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Additional Information	Funding Request Clarification
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Multi Year Project: CY Only	New Project: No	Category: IR
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Timing Change? Yes	Scope Change: Yes	Cost Adjustment: Yes
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Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction
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Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	3,156	0	0	2,850	305	0
FY21	0	0	0	0	0	0
FY22	0	0	0	0	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	179	0	0	0	179	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	3,335	0	0	2,850	484	0
Previously Approved	0	0	0	0	0	0
Total	3,335	0	0	2,850	484	0

2020 Capital Budget Detail



ITEM NUMBER:
289.010

PROJECT NAME:

Transit Network Improvements - 5 Small Buses

\$ 2,500,000

DEPARTMENT:

Public Works Dept

**Current Year
Budget
Request**

Project Description						
There is \$2.4 million left from the Green Trip 1 for buses. City of Red Deer would purchase 5 CNG buses to replace 5 conventional 40 foot diesel buses to run on new routes as part of the Transit Network Improvements as outlined in the Multimodal Transportation Plan.						
Public Art:		How much of the "Current Year Budget Request" is for Public Art?		0		
Additional Information		Funding Request Clarification				
Multi Year Project: CY Only		New Project: No		Category: IR		
Timing Change? No		Scope Change: Yes		Cost Adjustment: No		
Cost Confidence Level: 51 - 95%		Proceed without Grant: N/A		Inflation Category: Non Residential and Eng. Construction		
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	2,500	1,675	0	0	825	0
FY21	0	0	0	0	0	0
FY22	0	0	0	0	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	2,500	1,675	0	0	825	0
Previously Approved	0	0	0	0	0	0
Total	2,500	1,675	0	0	825	0

2020 Capital Budget Detail



ITEM NUMBER:
186.00

PROJECT NAME:

WWTP Rehabilitation, Replacement and Upgrades –Annual Program

\$ 2,267,087

DEPARTMENT:

Environmental Services Dept

**Current Year
Budget
Request**

<i>Project Description</i>	
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The WWTP Rehab, Replacement & Upgrades program ensures that Red Deer's Wastewater Treatment Plant continues to treat wastewater from City residents and regional customers to meet regulatory requirements and minimize environmental impacts. Replacement and upgrades include:

- Instrumentation Diagnostic Tool, Pump Laser Level Diagnostic Tool
- Mascerator Cutter Replacement
- Shaftless Screw Conveyor Parts
- Roof Replacement Program
- Maintenance Shop Compressor
- Plant 1/2 Instrumentation and Control Retrofit
- Laboratory Equipment Replacement/Purchase
- Influent and Effluent Composite Sampler Replacement
- Fermentor Rotary Lobe Pump Replacement
- Plant 2 RAS Pumphouse Workspace Improvements
- Entrance Gate Replacement
- Digester Ring Line & Valve Replacement project
- WWTP Road and Sitework Improvements
- Steam Boiler Refit
- Plant 3 Effluent Water Hydrants
- Plant 3 RAS/Scum Line Reconfiguration
- Asphalt Replacement project
- Digester Pressure Relief Valve Assembly
- Fat Oil & Grease Receiving Station Total Organic Carbon Analyzer

Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
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Additional Information	Funding Request Clarification
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Multi Year Project: CY Only	New Project: No	Category: IR
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Timing Change? Yes	Scope Change: Yes	Cost Adjustment: Yes
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Cost Confidence Level: 51 - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction
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Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	2,267	0	0	0	2,267	0
FY21	1,189	0	0	0	1,189	0
FY22	11,050	8,939	0	0	2,111	0

2020 Capital Budget Detail



Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY23	34,987	31,965	0	0	3,022	0
FY24	41,024	34,136	0	0	6,888	0
FY25	25,657	24,440	0	0	1,216	0
FY26	116	0	0	0	116	0
FY27	519	0	0	0	519	0
FY28	1,557	0	0	0	1,557	0
FY29	91	0	0	0	91	0
FY30	0	0	0	0	0	0
Subtotal	118,456	99,481	0	0	18,975	0
Previously Approved	0	0	0	0	0	0
Total	118,456	99,481	0	0	18,975	0

2020 Capital Budget Detail



ITEM NUMBER:
209.00

PROJECT NAME:

Bridge Maintenance - Annual Program

\$ 2,102,170

DEPARTMENT:

Public Works Dept

**Current Year
Budget
Request**

<i>Project Description</i>	
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Funding for Capital Bridge Maintenance supports major bridge rehabilitation projects that are beyond the scope or budgetary constraints of operational maintenance activities. The projects below are proposed for 2020:
 Bridge Str. #2 (32 St. over Piper Creek) will be rehabilitated to arrest the progressive collapse of the retaining walls adjacent to all four corners of the waterway culvert. At the same time we will address structural deficiencies in the walkway wingwalls and enhance safety & mobility by strengthening the walls and making minor alignment modifications to improve approach sight lines.
 Work proposed for Strs. 14, 18 E/B & 18 W/B involves armoring the stream bank upstream, downstream and under the bridge to better channel the flow of water and protect substructures from washout.
 Structural assessment for Str. #6 (Gaetz Ave. over Waskasoo Creek). This assessment will confirm the scope of work and timing for structure replacement and set parameters for the detailed preliminary engineering design currently scheduled for 2024. This concrete arch culvert has been in service for more than 100 years. It has undergone one major rehabilitation and is quickly approaching the end of its useful service life.
 Inspection Program: All of the bridge structures in the Public Works inventory are inspected on a three year cycle and 2020 is a scheduled inspection year. All 38 structures will be inspected and a detailed maintenance program will be developed for each. These inspections are key to the short and long term planning for both Operating and Capital Maintenance programs.

Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
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Additional Information	Funding Request Clarification
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Multi Year Project: CY Only	New Project: No	Category: IR
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Timing Change? Yes	Scope Change: Yes	Cost Adjustment: Yes
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Cost Confidence Level: 51% - 95%	Proceed without Grant: Yes	Inflation Category: Non Residential and Eng. Construction
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Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	2,102	2,102	0	0	0	0
FY21	472	472	0	0	0	0
FY22	4,038	4,038	0	0	0	0
FY23	535	535	0	0	0	0
FY24	2,340	2,340	0	0	0	0
FY25	4,256	4,256	0	0	0	0
FY26	6,433	322	0	6,110	0	0
FY27	1,590	80	0	1,511	0	0
FY28	13,155	657	0	12,498	0	0

2020 Capital Budget Detail



FY29	151	7	0	144	0	0
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Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY30	0	0	0	0	0	0
Subtotal	35,073	14,811	0	20,262	0	0
Previously Approved	0	0	0	0	0	0
Total	35,073	14,811	0	20,262	0	0

2020 Capital Budget Detail

NEW

ITEM NUMBER:
175.010

PROJECT NAME:

Traffic Control Systems Upgrades -Annual Program

\$ 2,036,000

DEPARTMENT:

Engineering Services Dept

Current Year
Budget
Request

Project Description		
Upgrades to the current Traffic Control System (cabinets, controllers and central controller) are needed in order to continue improving coordination throughout the city. With approximately 150 intersections in the city to upgrade, Administration has estimated it will take approximately 10 years to complete.		
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: Yes	Category: IR
Timing Change? No	Scope Change: No	Cost Adjustment: No
Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	2,036	2,036	0	0	0	0
FY21	2,077	2,077	0	0	0	0
FY22	2,118	2,118	0	0	0	0
FY23	2,161	2,161	0	0	0	0
FY24	2,204	2,204	0	0	0	0
FY25	2,248	2,248	0	0	0	0
FY26	2,293	2,293	0	0	0	0
FY27	2,339	2,339	0	0	0	0
FY28	2,385	2,385	0	0	0	0
FY29	2,433	2,433	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	22,294	22,294	0	0	0	0
Previously Approved	0	0	0	0	0	0
Total	22,294	22,294	0	0	0	0

2020 Capital Budget Detail

ITEM NUMBER:
15.000

PROJECT NAME:

Municipal 3rd Party Capital Work

\$ 1,527,000

DEPARTMENT:

Engineering Services Dept

Current Year
Budget
Request

Project Description

Municipal Third Party Work is to enable Engineering Services to undertake the construction of City assets that are being paid for through Customer Contributions. Examples of this type of work could include the construction of sidewalks, road improvements or in some cases to bring City services to areas in advance of planned construction.

Public Art: How much of the "Current Year Budget Request" is for Public Art? 0

Additional Information Funding Request Clarification

Multi Year Project: CY Only New Project: No Category: IR

Timing Change? No Scope Change: No Cost Adjustment: No

Cost Confidence Level: 96% - 100% Proceed without Grant: N/A Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	1,527	0	1,527	0	0	0
FY21	1,558	0	1,558	0	0	0
FY22	1,589	0	1,589	0	0	0
FY23	1,620	0	1,620	0	0	0
FY24	1,653	0	1,653	0	0	0
FY25	1,686	0	1,686	0	0	0
FY26	1,720	0	1,720	0	0	0
FY27	1,754	0	1,754	0	0	0
FY28	1,789	0	1,789	0	0	0
FY29	1,825	0	1,825	0	0	0
FY30	0	0	0	0	0	0
Subtotal	16,720	0	16,720	0	0	0
Previously Approved	0	0	0	0	0	0
Total	16,720	0	16,720	0	0	0

ITEM NUMBER:
5.000

2020 Capital Budget Detail

PROJECT NAME:	\$ 1,817,130
EL&P Overhead and Underground Systems – Annual Program	
DEPARTMENT:	Electric Light & Power Utility Dept
	Current Year Budget Request

Project Description		
Maintain system reliability by replacing old infrastructure to prevent (or in response to) failure, as part of customer upgrades, or to update technology. These are generally unplanned projects that occur throughout the year as a result of other projects, system portion of customer jobs, or emergency repairs of various types.		
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: No	Category: IR
Timing Change? No	Scope Change: No	Cost Adjustment: Yes
Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	1,817	0	0	0	1,817	0
FY21	1,744	0	0	0	1,744	0
FY22	1,779	0	0	0	1,779	0
FY23	1,491	0	0	0	1,491	0
FY24	1,521	0	0	0	1,521	0
FY25	1,551	0	0	0	1,551	0
FY26	1,582	0	0	0	1,582	0
FY27	1,614	0	0	0	1,614	0
FY28	1,706	0	0	0	1,706	0
FY29	1,740	0	0	0	1,740	0
FY30	0	0	0	0	0	0
Subtotal	16,545	0	0	0	16,545	0
Previously Approved	0	0	0	0	0	0
Total	16,545	0	0	0	16,545	0

2020 Capital Budget Detail

Current Growth

All projects excluding community amenities that are within current growth area in the engineering map. Investments in current growth are for projects that will allow the city to provide effective and efficient services to residents. They are typically improvements to existing infrastructure.

For the 2020 Capital Budget, Council will be asked to approve \$49.803 million of projects within the Current Growth category including multi year.

This represents 28% of the overall budget for 2020 and consists of 19 projects.

The top projects within the current growth layer for the 2020 budget include

Project Title	Division	Amount	Tax or Self Supported	Multi - Year
Northland Drive Projects – Taylor Drive to 49 th Ave	Development Services Division	28,845	TAX	No
Multimodal Transportation Plan	Community Services Division	6,500	TAX	No
In Camera Item	Community Services Division	3,700	TAX	No
Enhancements of Electrical Service (Customer-Driven)	Development Services Division	2,368	SELF	No
All other projects (15)		8,390		
Total		49.803		

A Capital Budget Detail sheet for each of the projects within this table is attached for information.

For the 2021 - 2029 Capital Plan, Council will be asked to approve in principle \$211.598 million of projects within the Current Growth category. This represents 18% of the overall capital plan.

The top projects within this layer for the 2021-2029 capital plan would include

Project Title	Division	Amount	Tax or Self Supported
Section 13 Subdivision Development	Planning Services Division	35,614	SELF

2020 Capital Budget Detail

Project Title	Division	Amount	Tax or Self Supported
Enhancements of Electrical Service (Customer-Driven)	Development Services Division	25,014	SELF
South East Sector Transportation Improvements	Development Services Division	21,625	TAX
Waste Management Infrastructure	Development Services Division	17,870	SELF
Northland Drive Projects – Taylor Drive to 49 th Ave	Development Services Division	6,438	TAX
All other projects (40)		105,037	
Total		211,598	

**Refer to table of contents for sequence of the Capital Budget detailed sheets.*

2020 Capital Budget Detail

ITEM NUMBER:
45.010

PROJECT NAME:

Northland Drive Projects - Taylor Drive to 49th Avenue

\$28,845,000

DEPARTMENT:

Engineering Services Dept

**Current Year
Budget Request**

<i>Project Description</i>						
<p>The projects are needed for the upgrade of Northland Drive (Highway 11A) to an urban standard. There are four projects included in this request. They are:</p> <ul style="list-style-type: none"> - Northland Drive from Taylor Dr to Gaetz Avenue (4 lanes) - upgrade Northland Dr (Hwy 11A) from west of Taylor Drive to Gaetz Ave to a 4 lane cross section. - CP Rail Overpass - construction of a rail overpass (CP Rail) between Taylor Drive and Gaetz Avenue. - Gaetz Avenue / Highway 11A Intersection - improvements to be designed in 2019 and construction in 2020 Project was advanced to coincide with required design and construction work on Northland Drive (Hwy 11A) from west of Taylor Dr to 49 Ave. - Construction of Northland Drive from Gaetz Avenue to 49 Avenue. <p>Design of the improvements has started in 2019 with construction scheduled to begin in 2020. These projects build towards future construction of Northland Drive east of 49 Avenue to south City Limits.</p>						
Public Art:		How much of the "Current Year Budget Request" is for Public Art?				0
Additional Information		Funding Request Clarification				
Multi Year Project: No		New Project: No			Category: CG	
Timing Change? No		Scope Change: No			Cost Adjustment: No	
Cost Confidence Level: 51% - 95%		Proceed without Grant: N/A			Inflation Category: Non Residential and Eng. Construction	
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	28,845	0	9,460	19,385	0	0
FY21	6,438	0	0	6,438	0	0
FY22	0	0	0	0	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0

2020 Capital Budget Detail

FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	35,283	0	9,460	25,823	0	0
Previously Approved	4,494	0	704	3,791	0	0
Total	39,777	0	10,164	29,613	0	0

2020 Capital Budget Detail

**ITEM NUMBER:
289.000**

PROJECT NAME:

Multimodal Transportation Plan – Transit

\$ 6,500,000

DEPARTMENT:

Transit System Dept

**Current Year
Budget
Request**

Project Description						
<p>This capital request is for the Transit implementation portion of the Multimodal Transportation Plan (MTP). MTP aims to balance vehicular and non- vehicular travel modes in an integrated, safe, and sustainable manner to encourage safe travel on roads designed for the posted speed limit and anticipates future capacity needs for all modes that is maintained year round. This capital request will assist with developing a transit network that has direct route connections to the pedestrian and cycling networks with frequent service, safe, comfortable and accessible shelters, easy to read electronic timetable information and connections to regional transit. Construction would begin in 2020 with the majority of the construction in 2021 with wrap up and deficiency work being completed in 2022 and 2023. The City has received approval for \$2,484,800 of the Alberta Community Transit Fund. We are waiting for confirmation of the \$2,484,800 Federal Grant matching portion of the Investing in Canada Infrastructure Program - Transit Stream. If this grant is received, this funding would be used towards the majority of components of this program.</p>						
Public Art:		How much of the "Current Year Budget Request" is for Public Art?				\$65,000
Additional Information		Funding Request Clarification				
Multi Year Project: CY Only		New Project: No				Category: CG
Timing Change? Yes		Scope Change: No				Cost Adjustment: No
Cost Confidence Level: 51% - 95%		Proceed without Grant: *Error: invalid cell reference*				Inflation Category: Non Residential and Eng. Construction
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	6,500	4,970	0	1,530	0	0
FY21	0	0	0	0	0	0
FY22	0	0	0	0	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0

2020 Capital Budget Detail

Subtotal	6,500	4,970	0	1,530	0	0
Previously Approved	0	0	0	0	0	0
Total	6,500	4,970	0	1,530	0	0

2020 Capital Budget Detail

ITEM NUMBER:
3.000

PROJECT NAME:

Enhancements of Electrical Service (Customer-Driven)

\$ 2,367,869

DEPARTMENT:

Electric Light & Power Utility Dept

**Current Year
Budget
Request**

Project Description		
<p>Customer Servicing projects include, but are not limited to, residential subdivision development, downtown customer servicing, conversion from overhead to underground at customer's request and commercial customer expansion projects. EL&P investment policy is such that customers generally pay 100% of costs except in certain circumstances. Expenditure is entirely dependent on economy and customer demands, and therefore can fluctuate from year to year. The budgeted amount represents the flow through cost which provides the ability to meet customers' needs.</p>		
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: No	Category: CG
Timing Change? No	Scope Change: No	Cost Adjustment: Yes
Cost Confidence Level: 51% - 95%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction

FY20	2,368	0	2,368	0	0	0
FY21	2,442	0	2,442	0	0	0
FY22	2,520	0	2,520	0	0	0
FY23	2,600	0	2,600	0	0	0
FY24	2,684	0	2,684	0	0	0
FY25	2,768	0	2,768	0	0	0
FY26	2,857	0	2,857	0	0	0
FY27	2,951	0	2,951	0	0	0
FY28	3,046	0	3,046	0	0	0
FY29	3,145	0	3,145	0	0	0
FY30	0	0	0	0	0	0
Subtotal	27,382	0	27,382	0	0	0
Previously Approved	0	0	0	0	0	0
Total	27,382	0	27,382	0	0	0

2020 Capital Budget Detail

ITEM NUMBER:
302.00

PROJECT NAME:

Section 13 Subdivision Development

\$ 0

DEPARTMENT:

Land & Economic Dev. Dept

**Current Year
Budget
Request**

Project Description						
Section 13 subdivision development funded by Land bank. To proceed with the development of residential and commercial lands for Section 13. This is a multi- phased land development project for land sales that will occur over a number of years.						
Public Art:		How much of the "Current Year Budget Request" is for Public Art?				0
Additional Information		Funding Request Clarification				
Multi Year Project: Future Costs		New Project: No				Category: CG
Timing Change? Yes		Scope Change: No				Cost Adjustment: No
Cost Confidence Level: 0% - 25%		Proceed without Grant: N/A				Inflation Category: Non Residential and Eng. Construction
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	0	0	0	0	0	0
FY21	0	0	0	0	0	0
FY22	0	0	0	0	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	1,671	0	0	0	1,671	0
FY26	7,102	0	0	0	7,102	0
FY27	8,770	0	0	0	8,770	0
FY28	8,946	0	0	0	8,946	0
FY29	9,125	0	0	0	9,125	0
FY30	9,307	0	0	0	9,307	0
Subtotal	44,921	0	0	0	44,921	0
Previously Approved	0	0	0	0	0	0
Total	44,921	0	0	0	44,921	0

2020 Capital Budget Detail

ITEM NUMBER:
56.000

PROJECT NAME:

South East Sector Transportation Improvements

\$ 1,018,000

DEPARTMENT:

Engineering Services Dept

**Current Year
Budget
Request**

Project Description		
<ul style="list-style-type: none"> • These projects are to support expansion of the east-west transportation system south of 32 Street as a result of growth. • Design work in 2020 • Work in 2021/22 is for the 19 Street rebuild from Gaetz Ave to Irwin Ave (includes Piper Creek Culvert replacement by Public Work's) and 40 Avenue/19 Street intersection improvements. 		
Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: CY Only	New Project: No	Category: CG
Timing Change? Yes	Scope Change: No	Cost Adjustment: No
Cost Confidence Level: 26% - 50%	Proceed without Grant: N/A	Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	1,018	0	0	1,018	0	0
FY21	14,952	0	0	14,952	0	0
FY22	6,673	0	0	6,673	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	22,337	0	0	22,337	0	0
Subtotal	44,980	0	0	44,980	0	0
Previously Approved	0	0	0	0	0	0
Total	44,980	0	0	44,980	0	0

2020 Capital Budget Detail

ITEM NUMBER:
189.00

PROJECT NAME:

Waste Management Infrastructure

\$ 0

DEPARTMENT:

Environmental Services Dept

**Current Year
Budget
Request**

Project Description						
<p>The Waste Management Infrastructure program ensures that Red Deer's Waste Management Facility continues to be able to accept waste and divert materials received from residents.</p> <ul style="list-style-type: none"> - WMF Site - Entrance Retrofit will reconfigure the entrance to the WMF to improve customer access and egress - Third Weigh Scale will install a third scale to reduce wait time for customers entering and exiting site - WMF Site - Aggregate Recycling Pad Expansion will expand aggregate recycling pad to accept more materials - Phase 2 Cell 2 project will construct a cell to ensure uninterrupted access to landfilling volume - Phase 2 Cell 3 project will construct a cell to ensure uninterrupted access to landfilling volume - Public Drop Off Extension project will expand the Public Drop Off location and add more PDO bins - Public Spaces Recycling Containers project will purchase and install recycling containers in public spaces - WMF Site - Berm and Landscaping project will install additional visual screening on the northeast portion of the WMF - 1972 Leachate Management System project will install leachate management infrastructure if required by Alberta Environment and Parks - Weigh Scale Replacement project will replace the inbound and outbound weigh scales installed in 2001 						
Public Art:		How much of the "Current Year Budget Request" is for Public Art?		0		
Additional Information		Funding Request Clarification				
Multi Year Project: Future Costs		New Project: N/A		Category: CG		
Timing Change? Yes		Scope Change: Yes		Cost Adjustment: Yes		
Cost Confidence Level: None		Proceed without Grant: N/A		Inflation Category: Non Residential and Eng. Construction		
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	0	0	0	0	0	0
FY21	1,986	0	0	0	1,986	0
FY22	839	0	0	0	839	0
FY23	0	0	0	0	0	0
FY24	580	0	0	0	580	0
FY25	6,496	0	0	0	6,496	0
FY26	310	0	0	0	310	0
FY27	0	0	0	0	0	0
FY28	627	0	0	0	627	0
FY29	7,032	0	0	0	7,032	0

2020 Capital Budget Detail

FY30	0	0	0	0	0	0
Subtotal	17,870	0	0	0	17,870	0

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
Previously Approved	0	0	0	0	0	0
Total	17,870	0	0	0	17,870	0

2020 Capital Budget Detail

Future Growth

All projects excluding community amenities that are within future growth area in the engineering map. Due to slower growth this layer has reduced spending within the budget, however it is important we continue projects that will build the infrastructure needed for future economic development.

The significant change within this layer includes moving a large portion of the north highway connector out of the 10 year capital plan. When growth increases, the timing of this project will be reconsidered.

For the 2020 Capital Budget, Council will be asked to approve \$3.199 million of projects within the Future Growth category including multi year.

This represents 2% of the overall budget for 2020 and none of the projects are within the top 20 projects.

Project Title	Division	Amount	Tax or Self Supported
All other projects (3)		3,199	
Total		3,199	

For the 2021 - 2029 Capital Plan, Council will be asked to approve in principle \$128 million of projects within the Future Growth category. This represents 11% of the overall capital plan.

The top projects within this layer for the 2021-2029 capital plan would include

Project Title	Division	Amount	Tax or Self Supported
Future Growth	Planning Services Division	42,546	TAX
All other projects (22)		85,451	
Total		127,997	

**Refer to table of contents for sequence of the Capital Budget detailed sheets.*

2020 Capital Budget Detail

NEW

ITEM NUMBER:
304.010

PROJECT NAME:

Future Growth

\$ 0

DEPARTMENT:

Planning Services Directorate Dept

Current Year
Budget
Request

<i>Project Description</i>						
Capital costs are related to potential future growth within the City of Red Deer IDP Growth Area. These costs are for various capital projects from Emergency Services, Public Works and Recreation, Parks & Culture.						
Public Art:		How much of the "Current Year Budget Request" is for Public Art?			0	
Additional Information		Funding Request Clarification				
Multi Year Project: Future Costs		New Project: Yes			Category: FG	
Timing Change? No		Scope Change: No			Cost Adjustment: No	
Cost Confidence Level: 0% - 25%		Proceed without Grant: N/A			Inflation Category: Land Purchases	
Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	0	0	0	0	0	0
FY21	998	998	0	0	0	0
FY22	2,000	2,000	0	0	0	0
FY23	0	0	0	0	0	0
FY24	8,601	0	0	8,601	0	0
FY25	5,114	5,114	0	0	0	0
FY26	5,270	5,270	0	0	0	0
FY27	8,452	8,452	0	0	0	0
FY28	6,629	6,629	0	0	0	0
FY29	5,481	5,481	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	42,547	33,945	0	8,601	0	0
Previously Approved	0	0	0	0	0	0
Total	42,547	33,945	0	8,601	0	0

2020 Capital Budget Detail

Amenities

Projects that consist of major renovation or new construction of recreation, culture or public spaces.

The City of Red Deer has invested significantly in community infrastructure in the past 10 years. Projects like the skate park and spray park were part of the suite of investment during the 2013 Centennial Year. The 2019 Canada Winter Games also provided a catalyst to many community projects such as the Servus Arena and improvements at both River Bend and Great Chief Park. In the lead up to the Games. The City of Red Deer approved \$26 million in spending related to amenities.

The significant change within this layer is the deferral of the Aquatics Centre. Council will be receiving a report in the new year of 2020 which will provide more information on possible sites and this will allow Administration to recommend a more appropriate budget and timing for Council to consider within the plan for future years.

For the 2020 Capital Budget, Council will be asked to approve \$5.748 million of projects within the Amenities category including multi year.

This represents 3% of the overall budget for 2020 and consists of 2 projects.

Project Title	Division	Amount	Tax or Self Supported	Multi - Year
GH Dawe Centre Enhancements	Community Services Division	5,090	TAX	No
All other projects (I)		658		
Total		5,748		

A Capital Budget Detail sheet for each of the projects within this table is attached for information.

For the 2021 - 2029 Capital Plan, Council will be asked to approve in principle \$43.338 million of projects within the Amenities category. This represents 4% of the overall capital plan.

2020 Capital Budget Detail

The top projects within the Amenities layer for the 2021-2029 capital plan would include

Project Title	Division	Amount	Tax or Self Supported
GH Dawe Centre Enhancements	Community Services Division	34,294	TAX
All other projects (3)		9,044	
Total		43,338	

**Refer to table of contents for sequence of the Capital Budget detailed sheets.*

ITEM NUMBER:
286.00

PROJECT NAME:

GH Dawe Centre Enhancements

\$ 5,090,000

DEPARTMENT:

Rec. Parks & Culture Dept

**Current Year
Budget
Request**

<i>Project Description</i>	
<p>In 2010 the GH Dawe Community Centre re-opened after being revitalized. The site Master Plan included a second Phase which added a second ice surface, expanded programming and fitness spaces.</p> <p>Based on the Ice Study completed in 2016 the city will require an additional ice surface within the next ten years and recommended that the GH Dawe be considered as the location. This is supported by the GH Dawe Master Plan. The Ice Study also recommends that the current ice surface at the Dawe be modernized/expanded to meet NHL standards. The expansion further provides the opportunity to enhance the fitness areas and additional preschool programming space at the Dawe Centre.</p> <p>A Facility Condition Assessment of the Kinex Arena completed in 2018 indicated that the required capital investment at the Kinex Arena exceeded 50% of the replacement value and the facility was nearing the end of its useful life. Limited investment is being made at the Kinex arena and the decision was to support the replacement of this ice surface at the GH Dawe, in keeping with the above mentioned planning documents.</p> <p>Detailed design and business planning began in 2019 with construction to follow in 2021/22. The project will include the following amenities: modernization of an existing ice surface to meet NHL standards addition of second ice surface, addition of an outdoor spray park to the site, and potential expansion of fitness/programming space. The site design also includes consideration for site access off of 67 Street, improved site traffic flow parking and site servicing.</p> <p>The City has applied for grant funding under the Investing in Canada Infrastructure Program - Community Culture & Recreation stream. If successful the Dawe Expansion project may receive up to \$15,391,232 from the federal government. Provincial funding could be up to \$12,824,744 through current MSI funding allotments.</p> <p>Resolved that Council of The City of Red Deer, having considered the 2019 Multi-Year Capital Plan, hereby approves the following projects as part of the 2020 – 2028 Multi-Year Capital Plan with the understanding that future Capital Budgets be within the prescribed debt limits as adopted by Council policy:</p>	

2020 Capital Budget Detail

Item	Dept.	Project Title	2020 Capital Plan Amount (in thousands of \$'s)	2021 Capital Plan Amount (in thousands of \$'s)	2022 Capital Plan Amount (in thousands of \$'s)	2023 Capital Plan Amount (in thousands of \$'s)	2024 Capital Plan Amount (in thousands of \$'s)	2025 Capital Plan Amount (in thousands of \$'s)	2026 Capital Plan Amount (in thousands of \$'s)	2027 Capital Plan Amount (in thousands of \$'s)	2028 Capital Plan Amount (in thousands of \$'s)
135,000	RPC	GH Dawe Centre Enhancements	-	-	-	-	-	-	-	-	-
135,000	RPC	Expansion including spray park	-	17,387	16,221	-	-	-	-	-	-

subject to federal funding for this project being received.

Public Art:	How much of the "Current Year Budget Request" is for Public Art?	0
Additional Information	Funding Request Clarification	
Multi Year Project: Future Costs	New Project: N/A	Category: PY
Timing Change? No	Scope Change: No	Cost Adjustment: No
Cost Confidence Level: 26% - 50%	Proceed without Grant: Yes	Inflation Category: Non Residential and Eng. Construction

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY20	5,090	0	0	5,090	0	0
FY21	16,977	0	0	16,977	0	0
FY22	17,317	0	0	17,317	0	0
FY23	0	0	0	0	0	0
FY24	0	0	0	0	0	0

Years	Total Funding Sources (Thousands \$)	Capital Grant Funds	Dev/Customer Contributions	Debt Funding	Capital Reserve Funds	Operating Funds
FY25	0	0	0	0	0	0
FY26	0	0	0	0	0	0
FY27	0	0	0	0	0	0
FY28	0	0	0	0	0	0
FY29	0	0	0	0	0	0
FY30	0	0	0	0	0	0
Subtotal	39,384	0	0	39,384	0	0
Previously Approved	2,649	0	0	2,649	0	0
Total	42,033	0	0	42,033	0	0