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ITEM: <u>C2014-0324</u>

CITY CLERK'S DEPARTMENT

2015-2018

Indicative Drainage Charge

C2014-0324

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Previous Council Direction

- At the 2014 February 26 meeting, the SPC on UCS received the Drainage Financial Plan report for information and forwarded it to the March 17 Strategic Meeting
- At the 2014, March 17 meeting, Council adopted the 2015-2018 Drainage Fee Scenarios report and directed Administration to:
 - Develop the indicative Drainage charge based on accelerated delivery for financial compliance and meets requirements for the remaining four program elements; and
 - Provide scenarios for acceleration for some urgent activities based on capacity

Drainage Financial Plan

To build the Drainage financial plan, the Utilities considered:

- The long term capital and operating pressures facing the Drainage line of service
- Alignment with the Utilities Financial Plan (2011)
- The City of Calgary Long Range Financial Plan (2011)
- The Drainage Financial Policies approved in 2013

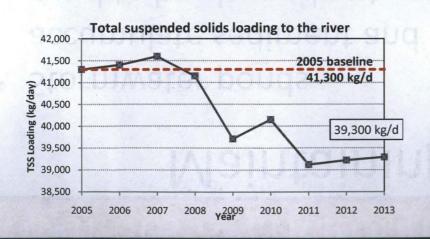
Drainage Financial Targets

Policy Area	Target
Debt vs. Cash Financing	100% cash financing of capital maintenance
Debt Limit	\$300 million
Debt Servicing Limit	40% of revenues
Sustainment Reserve	10% of revenues

 Recommended timeline to achieve financial policies and targets will be four years (by 2018).

Regulatory and Environmental Protection

- The City of Calgary Wastewater Approval to Operate includes targets for total sediment loadings
- In 2013, Water Resources developed a riparian strategy in consultation with key stakeholders.





Maintaining our Assets

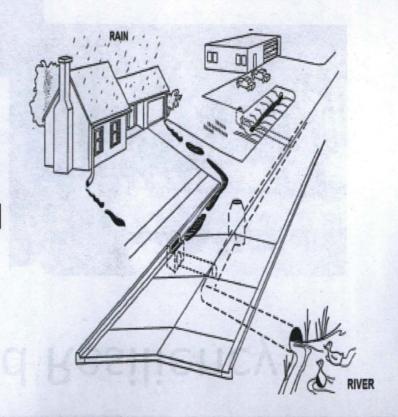
- Stormwater ponds
 accumulate sediment and
 need to be cleaned out
 periodically to restore the
 pond function
- The network infrastructure (pipes and lift stations) are aging





Community Drainage Improvements

The CDI program delivers stormwater infrastructure upgrades in older communities that were built before the use of modern drainage techniques and standards.



Flood Recovery and Resiliency

The June 2013 flood significantly impacted riverbank areas and stormwater infrastructure



Program ▶ Service Level ▼	Regulatory and Environmental Protection	Maintaining Assets	Community Drainage Improvements	Flood Recovery and Resiliency	Financial Policy and Target Compliance
Current Service Level (12- 14)	 Meets current Wastewater Approval to Operate water quality objectives for sediment loadings to the river. Achieved through the implementation of stormwater treatment facilities 	Typical O&M activities include: • Pipe flushing • Catch basin cleaning • Lift station maintenance • Vegetation control • Select storm pond cleaning and maintenance activities	With current investment, 24 years to deliver all projects o the list. Total program cost \$170 million.	Coordination of flood preparedness Coordination of flood recovery and resiliency projects ** 2014 capital and operating related to flood were funded by FSR	Targets are being established.
	0	Total Capital: \$3.79,	Total Operating: \$5.41		
	lainiaining	Total Monthly Dra	ainage Charge \$9.20		
Meets Requirements & Standards	 Continues to meet regulatory requirements Development of an implementation plan for the riparian strategy 	regulatory requirements Development of an assessment, main implementation plan for the		 Flood recovery and resiliency projects including bringing infrastructure up to current design standards 	Compliance by 2022 of debt limit, debt servicing limit, cash financing of capital maintenance and reserves
	Additional Capital \$0.22	Additional Capital \$0.50	Additional Capital \$0.27	Additional Capital \$0.09	Included in
	Additional Operating \$0.16	Additional Operating \$0.20	Additional Operating \$0.01	Additional Operating \$0.01	capital
Accelerated Delivery	 Accelerate delivery of local stormwater infrastructure and features Accelerate the implementation of the riparian strategy to start in the 2015-2018 budget cycle 	 Expand research scope to include emerging operational and maintenance issues. Accelerate storm pond cleanings Accelerate condition assessment, and trunk / main replacement program 	Accelerate program delivery to 12 years, and include additional projects from study areas still be to completed. Total program cost \$220M.	include recommendation of recommendations from the River Flood Mitigation Panel	
	Additional Capital \$0.32	Additional Capital \$0.60	Additional Capital \$0.48	Additional Capital \$0.63	\$0.20
	Additional Operating \$0.20 Additional Operating \$0.25 Additional Operating \$0.02		Additional Operating \$0.04	φ0.20	

Potential Programs to be Accelerated

- Regulatory and Environmental Protection:
 - Increase LID pilots, monitoring and research
 - Increase maintenance of riparian areas
 - Increase riparian education and outreach
 - Improved source control program
- Maintaining Assets
 - Additional monitoring & evaluation of maintenance requirements for green infrastructure
 - Increased installation of sediment capture devices (from 1/year to 10/year)

Program ► Service Level ▼	Regulatory and Environmental Protection	Maintaining Assets	Community Drainage Improvements	Flood Recovery and Resiliency	Financial Policy and Target Compliance	
Current Service Level (12- 14)	 Meets current Wastewater Approval to Operate water quality objectives for sediment loadings to the river. 	Typical O&M activities include pipe flushing, catch basin cleaning, lift station maintenance, vegetation control, select storm pond cleaning and maintenance activities	With current investment, 24 years to deliver all projects on the list. Total program cost \$170 million.	 Coordination of flood preparedness Coordination of flood recovery and resiliency projects 	Targets are being established.	
		Total Capital: \$3.79, Total Total Monthly Drainage				
		Pond cleanings to restore WQ			Compliance by	
Meets Requirements & Standards	 Continues to meet regulatory requirements. Development of an assessment, main replacement 		 Accelerate program to deliver upgrades to all projects on the list within 16 years. Total program cost \$170 million. 		2022 of debt limit, debt servicing limit, cash financing of capital maintenance and reserves	
	Additional Capital \$0.22 Additional Capital \$0.50			Additional Capital \$0.09	Included in	
		Additional Operating \$0.20	Additional Operating \$0.01	Additional Operating \$0.01	capital	
Additional research includes: pilot features, LID performance verifications, surface/subsurface interactions Accelerated Accelerated Increased riparian area maintenance and education/outreach		 Additional monitoring and evaluation of maintenance requirements for green infrastructure Increased installation of sediment capture devices 		Limited capacity to accelerate	N/A	
	Additional Capital \$0.22	Additional Capital \$0.54	N/A	N/A	N/A	
	Additional Operating \$0.21	Additional Operating \$0.21	N/A	N/A		
Accelerated Delivery	 Accelerate delivery of local stormwater infrastructure and features Accelerate the implementation of the riparian strategy to start in the 2015-2018 budget cycle 	 Expand research scope to include emerging operational and maintenance issues. Accelerate storm pond cleanings Accelerate condition assessment, and trunk / main replacement program 	Accelerate program delivery to 12 years, and include additional projects from study areas still be to completed. Total program cost \$220M.	 Implementation of recommendations from the River Flood Mitigation Panel Accelerate recovery and resiliency projects 	Compliance by 2018 of debt limit, debt servicing limit, cash financing of capital maintenance and reserves	
	Additional Capital \$0.32	Additional Capital \$0.60	Additional Capital \$0.48	Additional Capital \$0.63	\$0.20	
	Additional Operating \$0.20	tional Operating \$0.20 Additional Operating \$0.25		Additional Operating \$0.04	φυ.20	

2015 Incremental Increase to the Monthly Drainage Charge Based on the Recommended Levels of Service

	Regulatory & Environmental Protection	Maintaining Assets	Community Drainage Improvements	Flood Recovery and Resiliency	Financial Policy and Target Compliance	Total
Capital	\$0.22	\$0.50	\$0.27	\$0.09	\$0.20	\$1.28
Operating	\$0.16	\$0.20	\$0.01	\$0.01	Included in capital	\$0.38
Total Fee Increase	\$0.38	\$0.70	\$0.28	\$0.10	\$0.20	\$1.66

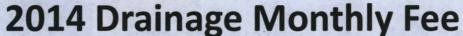
Indicative Drainage Charge

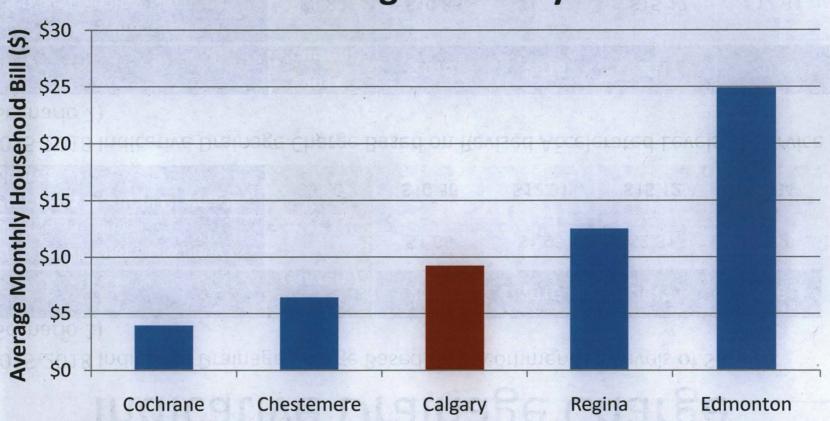
2015-2018 Indicative Drainage Charge Based on Recommended Levels of Service (Scenario 1)

	2014 (current)	2015	2016	2017	2018
Proposed Monthly Drainage Charge Increase		\$1.66	\$1.95	\$2.31	\$2.72
Proposed Monthly Drainage Charge	\$9.20	\$10.86	\$12.81	\$15.12	\$17.84

2015-2018 Indicative Drainage Charge Based on Revised Accelerated Levels of Service (Scenario 2)

	2014 (current)	2015	2016	2017	2018
SCENARIO 1 (from Table 5) Proposed Monthly Drainage Charge	\$9.20	\$10.86	\$12.81	\$15.12	\$17.84
Incremental Increase for Scenario 2		\$0.10	\$0.24	\$0.42	\$0.67
SCENARIO 2 - Proposed Monthly Drainage Charge	\$9.20	\$10.96	\$13.05	\$15.54	\$18.51





Cost of Service Study

 Study reviews the equitable allocation of costs among customer classes



- Results/recommendations could result in changes to the fee structure
- An implementation plan for the results of the cost of service study will be developed

Recommendations

That Council:

- 1. Direct Administration to prepare the 2015-2018 Action Plan based on:
 - a. The recommended Drainage Indicative Charges in Attachment 2, Table 1;
 - The inclusion of the accelerated scenario and the incremental increase which results in the Drainage Indicative Charge shown in Attachment 2, Table 2;
 - c. An implementation plan for the results of the cost of service study;
- Direct Administration to incorporate a cost of service study and a review of the Drainage Financial Plan, including program areas for potential acceleration in 2019-2022, into the 2015-2018 Action Plan;
- Direct Administration to report back no later than 2016 June with an update on the Drainage Financial Plan progress; and
- 4. Direct that this report is kept confidential until rise and report; and that the in camera presentations and discussions remain confidential under Sections 23(1)(b), 24(1)(a) and (b) of the Freedom of Information and Protection of Privacy Act or until directed otherwise.