TO: Craig MacMullin, MBA, CPA, CGA, Chair, and Members of the Halifax Regional Water Commission Board

SUBMITTED BY:

Digitally signed by Louis de Montbrun
Date: 2020.03.20 09:30:25 -03'00'

Louis de Montbrun, CPA, CA, Director, Corporate Services/CFO

Digitally signed by Reid Campbell
Date: 2020.03.20 15:05:08 -03'00'

Reid Campbell, P.Eng. Director, Water Services

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Susheel Arora, M.A.Sc., P.Eng. Director, Wastewater & Stormwater Services

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Kenda MacKenzie, P.Eng. Director, Regulatory Services

APPROVED: Cathie O'Toole

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Date: 2020.03.19 20:01:56 -03'00'

Cathie O'Toole, MBA, CPA, CGA, ICD.D, General Manager

SUBJECT: **Financial and Operations Information Report**

INFORMATION REPORT

ORIGIN:

Regular update.

This report provides a high level overview of financial and operational performance for the utility. Financial results are presented first, followed by indicators and statistics for water and wastewater.

FINANCIAL

HALIFAX WATER
UNAUDITED FINANCIAL INFORMATION
APRIL 1/19 - FEBRUARY 29/20 (11 MONTHS)
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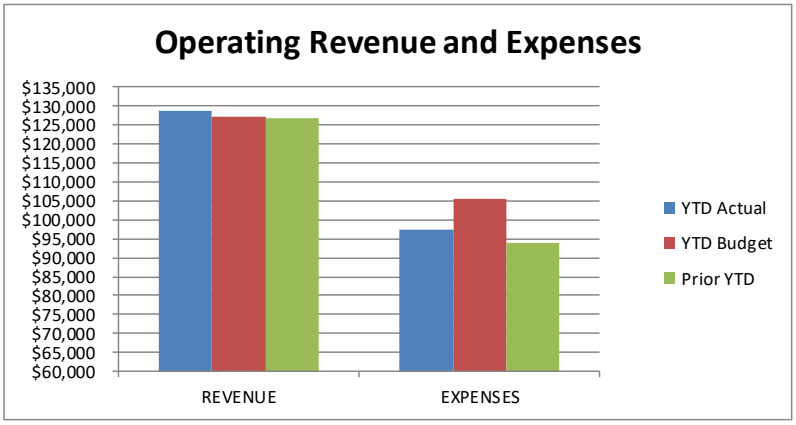
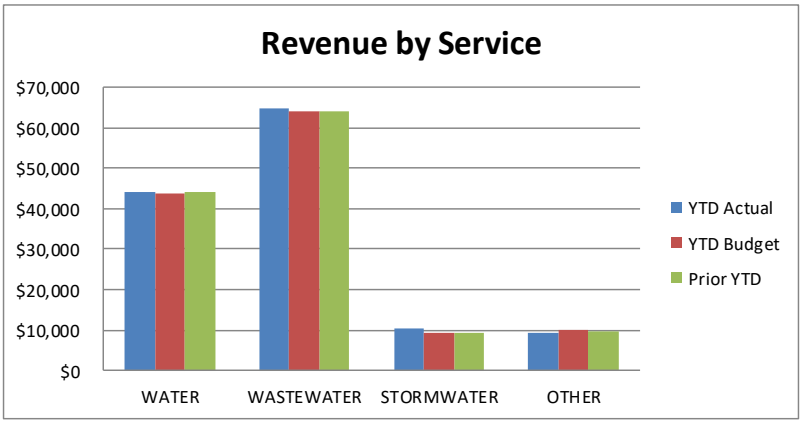


OPERATING REVENUE AND EXPENSES

	YTD Actual	YTD Budget	Prior YTD	% of Budget
REVENUE	$128,784	$127,171	$126,853	92.83%
EXPENSES	$97,292	$105,499	$93,914	84.54%
	$31,492	**$21,672**	**$32,939**	**133.21%**



REVENUE BY SERVICE (METERED SALES AND SITE GENERATED FEE)

	YTD Actual	YTD Budget	Prior YTD	% of Budget
WATER	$44,050	$43,780	$44,036	92.24%
WASTEWATER	$64,820	$64,197	$63,978	92.56%
STORMWATER	$10,501	$9,338	$9,150	103.09%
OTHER	$9,413	$9,856	$9,689	87.55%
	$128,784	**$127,171**	**$126,853**	**92.83%**

HALIFAX WATER
UNAUDITED FINANCIAL INFORMATION
APRIL 1/19 - FEBRUARY 29/20 (11 MONTHS)
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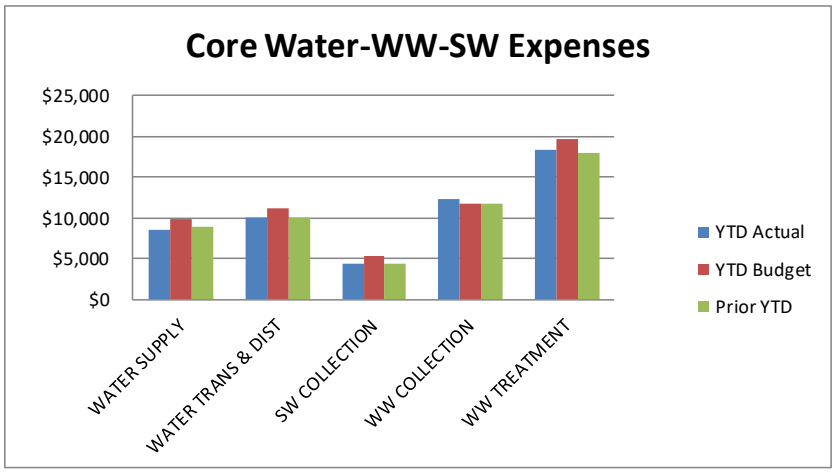
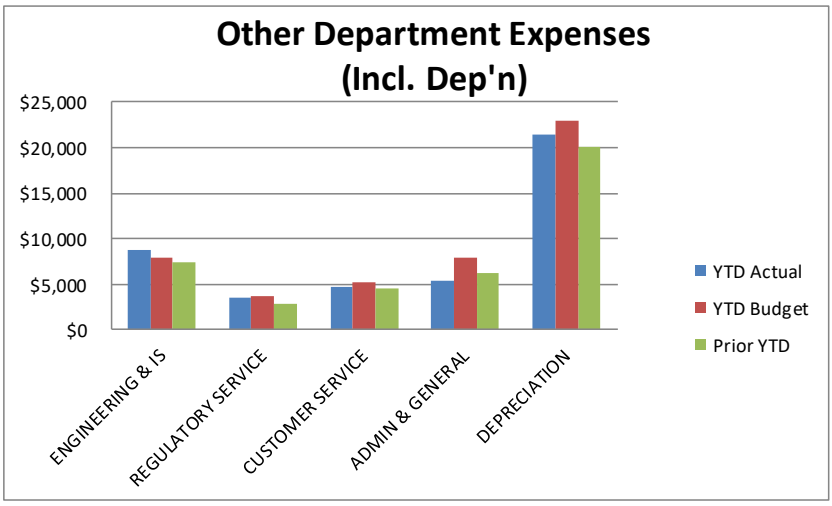


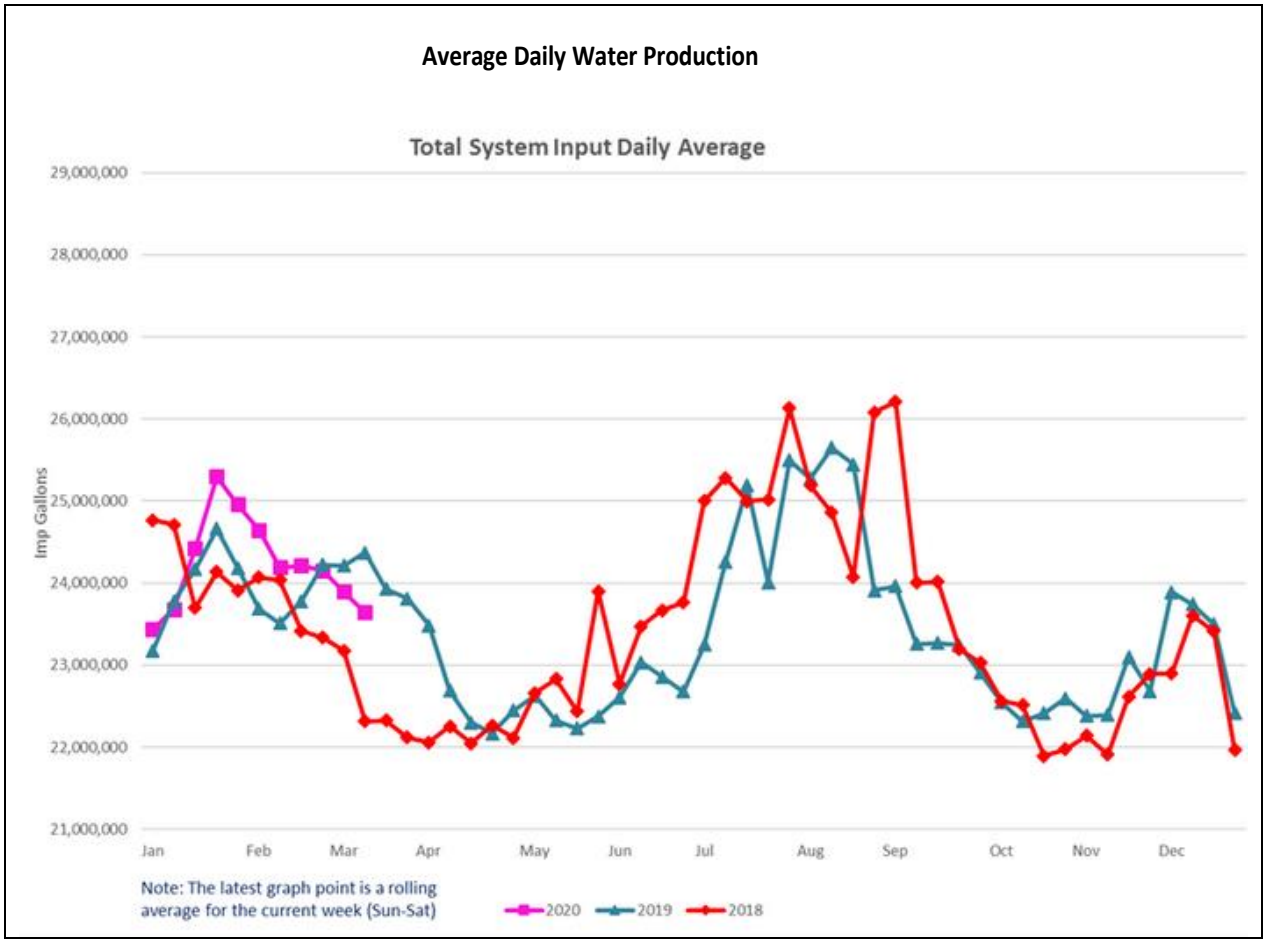
CORE WATER-WW-SW EXPENSES

	YTD Actual	YTD Budget	Prior YTD
WATER SUPPLY	$8,530	$9,931	$8,825
WATER TRANS & DIST	$9,988	$11,152	$9,942
SW COLLECTION	$4,387	$5,307	$4,349
WW COLLECTION	$12,289	$11,693	$11,782
WW TREATMENT	$18,339	$19,731	$18,036
	$53,533	**$57,814**	**$52,934**



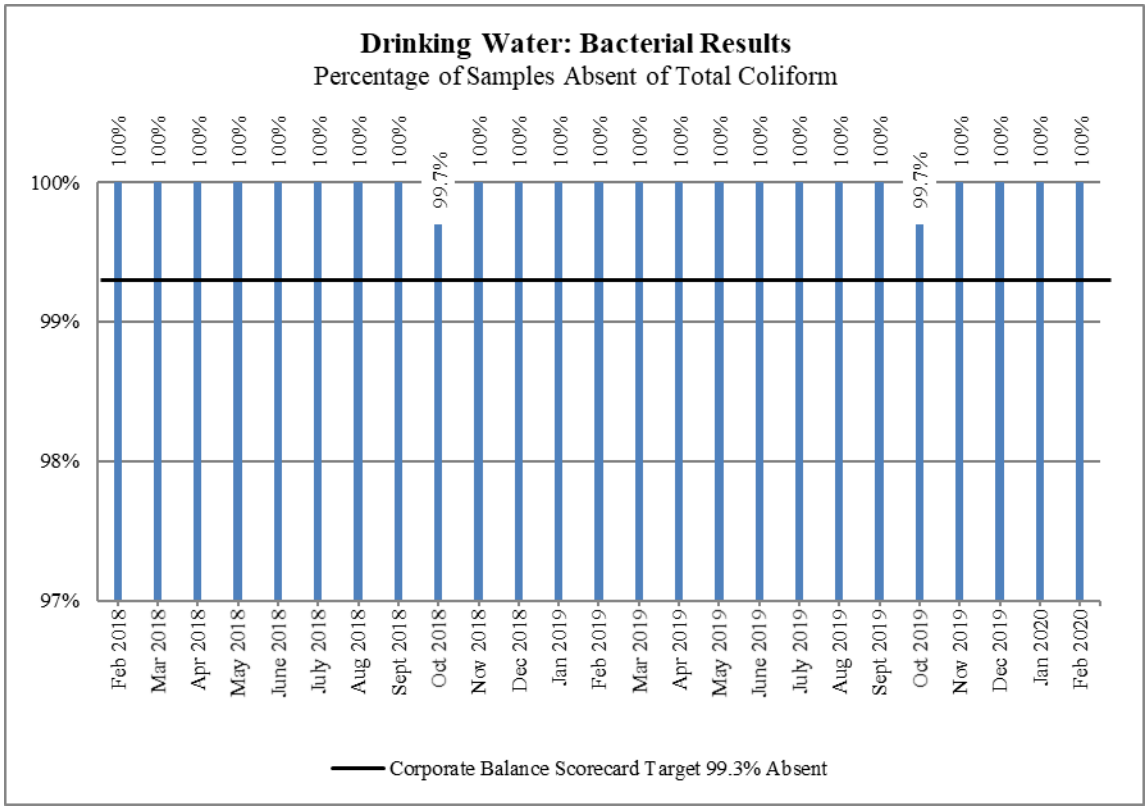
OTHER DEPARTMENT EXPENSES (INCL DEP'N)

	YTD Actual	YTD Budget	Prior YTD
ENGINEERING & IS	$8,819	$7,864	$7,358
REGULATORY SERVICE	$3,441	$3,741	$2,898
CUSTOMER SERVICE	$4,675	$5,250	$4,462
ADMIN & GENERAL	$5,371	$7,836	$6,256
DEPRECIATION	$21,453	$22,995	$20,006
	$43,759	**$47,686**	**$40,980**



Regional Water Main Break/Leak Data		
Year	**Total Breaks/Leaks**	**Current 12 Month Rolling Total *(up to February 2020)***
2017/18	206	201
2016/17	216	
2015/16	226	
2014/15	210	
2013/14	213	
Total	**1071**	
Yr. Avg.	**214.2**	

Water Accountability
Losses per Service Connection/Day (International Water Association Standard)
Period Ending March, 2020
Real Losses: 178 litres CBS Target: 160



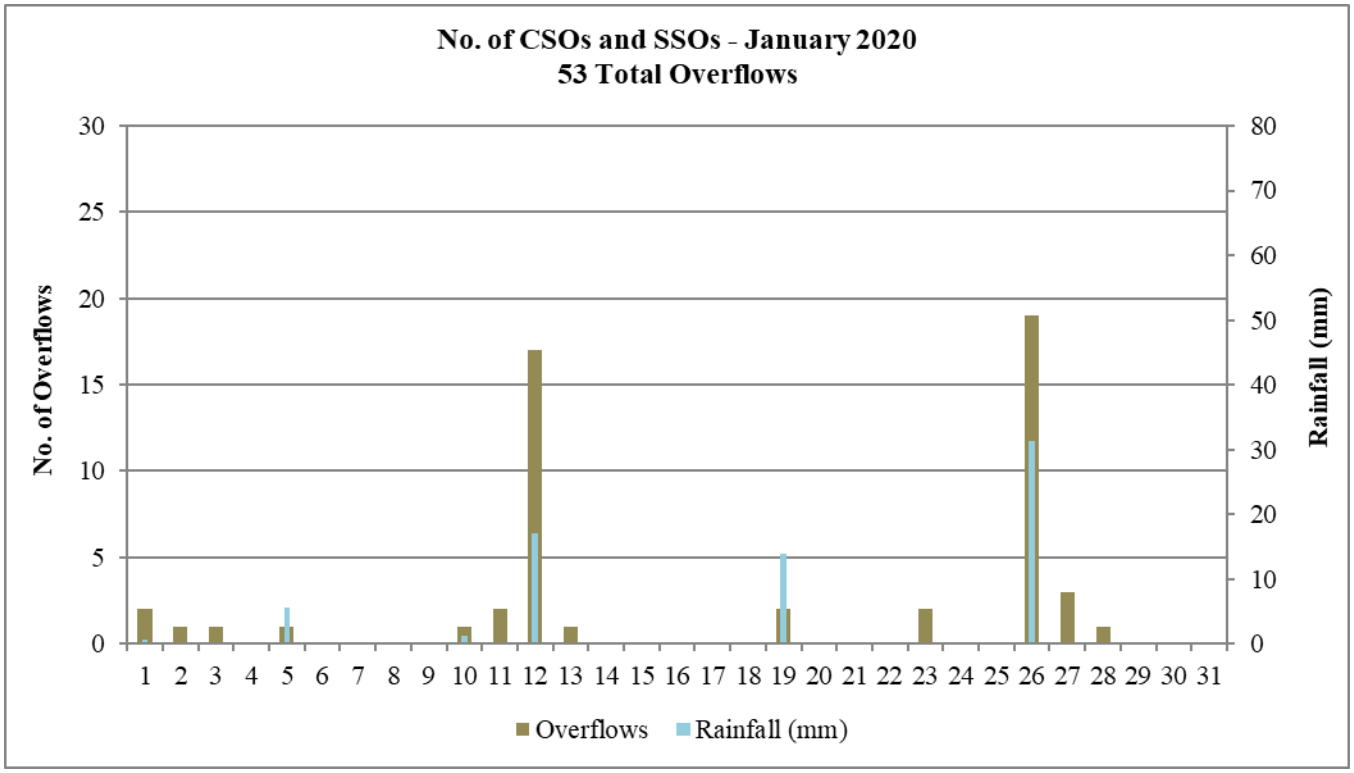
Water Quality Master Plan Objectives 2019-2020 Q3				
Objective	Total Sites	% Sites Achieving Target	All Sites: 90th Percentile < 15 µg/L	CBSC Awarded Points
Disinfection	66	97%	---	17
Total Trihalomethanes	25	80%	---	3
Haloacetic Acids	21	100%	---	20
Particle Removal	5	100%	---	20
Corrosion Control	69	---	4.08	20
Summary Total				80

In this report each facility is assessed using monthly or quarterly averages, depending on the averaging period specified in its Approval to Operate.

Wastewater Treatment Facility	**Wastewater Treatment Facility Compliance Summary** Rolling Averages - December 2019, January and February 2020																	
	$CBOD_5$ (mg/L)		TSS (mg/L)		E. coli (counts/ 100mL)		pH		Ammonia (mg/L)		Phosphorous (mg/L)		TRC (mg/L)		Dissolved Oxygen (mg/L)		Toxicity	Trend
	NSE Limit	Avg.	NSE Limit	Avg.	NSE Limit	Avg.	NSE Limit	Avg.	NSE Limit	Avg.	NSE Limit	Avg.	NSE Limit	Avg.	NSE Limit	Avg.		
Halifax	50	37	40	30	5000	111	6-9	6.9	-		-		-		-		Not acutely lethal	Continued
Dartmouth	50	48	40	39	5000	785	6-9	6.8	-		-		-		-		Not acutely lethal	Improved
Herring Cove	50	24	40	19	5000	93	6-9	7.0	-		-		-				Not acutely lethal	Continued
Eastern Passage	25	8	25	6	200	11	6-9	6.9	-		-		-		-		Not acutely lethal	Continued
Mill Cove	25	13	25	18	200	13	6-9	6.6	-		-		-		-		Not acutely lethal	Continued
Springfield	20	24	20	31	200	397	6-9	7.2	-		-		-		-		-	Declined
Frame	20	4	20	1	200	10	6-9	6.2	-		-		-		-		-	Continued
Middle Musq.	20	6	20	4	200	81	6-9	7.2	-		-		-		-		-	Continued
Uplands	20	7	20	5	200	13	6-9	7.0	-		-		-		-		-	Continued
Aerotech	5	3	5	1	200	10	6-9	7.5	5.7 W 1.2 S	4.3	0.13	0.09	-		6.5	9.4	Not acutely lethal	Continued
North Preston	10	4	10	17	200	10	6-9	6.7	3	0.5	1.5	0.4	-		-		-	Continued
Lockview	20	6	20	5	200	10	6.5-9	6.8	8.0 S	1.3	1.2 S	0.2	-		-		-	Continued
Steeves (Wellington)	20	10	20	1	200	10	6.5-9	7.0	14.4 S	0.2	1.0 S	0.1	-		-		-	Continued
BLT	15	7	20	19	200	13	6-9	6.9	5 W 3 S	3	3 W 1 S	1	0.02 *	0.10	-		Not acutely lethal	Improved
Avg. of all Facilities	14		14		112		6.9		1.9		0.4		0.18		9.4			

NOTES & ACRONYMS:
$CBOD_5$ - Carbonaceous 5-Day Biochemical Oxygen Demand
TSS - Total Suspended Solids
* TRC - Total Residual Chlorine - Maxxam can only measure 0.10 mg/L residual; results of 0.1 mg/L are compliant
BDL - Below Detection Limit
W / S - Winter / Summer compliance limits
NSE requires monthly averages be less than the NSE Compliance Limit for each parameter (Dartmouth, Eastern Passage, Halifax, Herring Cove, Mill Cove)
NSE requires quarterly averages be less than the NSE Compliance Limit for each parameter (Aerotech, Lockview, Mid. Musq., Frame, BLT, Uplands, North Preston, Steeves, Springfield)
Continued - All parameters remain essentially unchanged since the last report
Improved - One or more parameter(s) became compliant since the last report
Declined - One or more parameters(s) became non-compliant since the last report

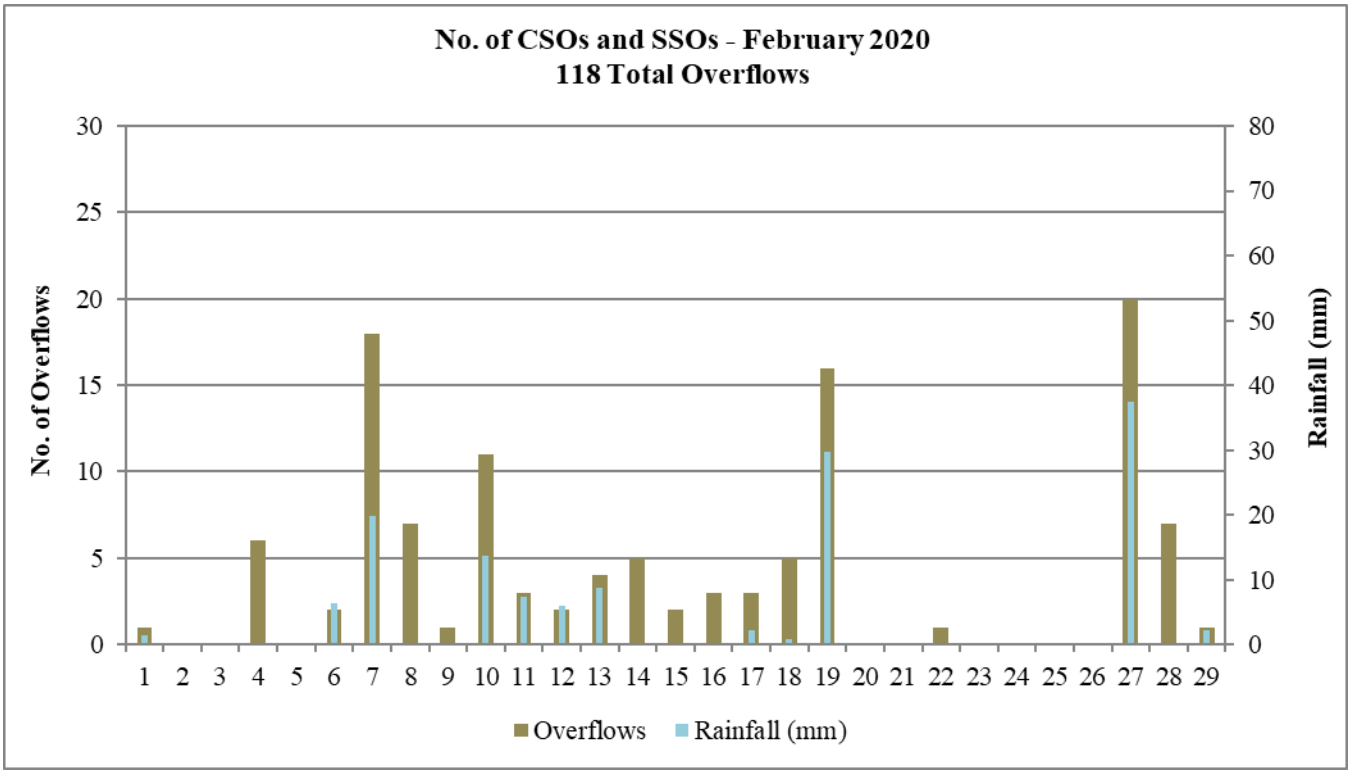
LEGEND
NSE Compliant
NSE Non-Compliant



NOTES & ACRONYMS: CSO - Combined Sewer Overflow SSO - Sanitary Sewer Overflow

- Rainfall data is from Halifax Water's rain gauge at the Halifax WWTF.
- There were nine overflows on days when there was no recorded rainfall, as follows:

    1. January 2: The CSO at Chain Rock PS & CSO was the result of a blockage caused by debris.
    2. January 3: The CSO at Chain Rock PS & CSO was the result of a blockage caused by debris.
    3. January 13: The CSO at Maitland St PS & CSO was the result of a blockage caused by debris.
    4. January 23: The CSO at Chain Rock PS & CSO was the result of a blockage caused by debris. The SSO at Herring Cove PS was the result of a pump inhibit at the HCWWTF due to a power failure.
    5. January 27: The CSOs at Chain Rock PS & CSO were the result of blockages caused by debris.
    6. January 28: The CSO at Chain Rock PS & CSO was the result of a blockage caused by debris.



NOTES & ACRONYMS: CSO - Combined Sewer Overflow SSO - Sanitary Sewer Overflow

- Rainfall data is from Halifax Water's rain gauge at the Halifax WWTF.
- There were seventeen overflows on days when there was no recorded rainfall, as follows:

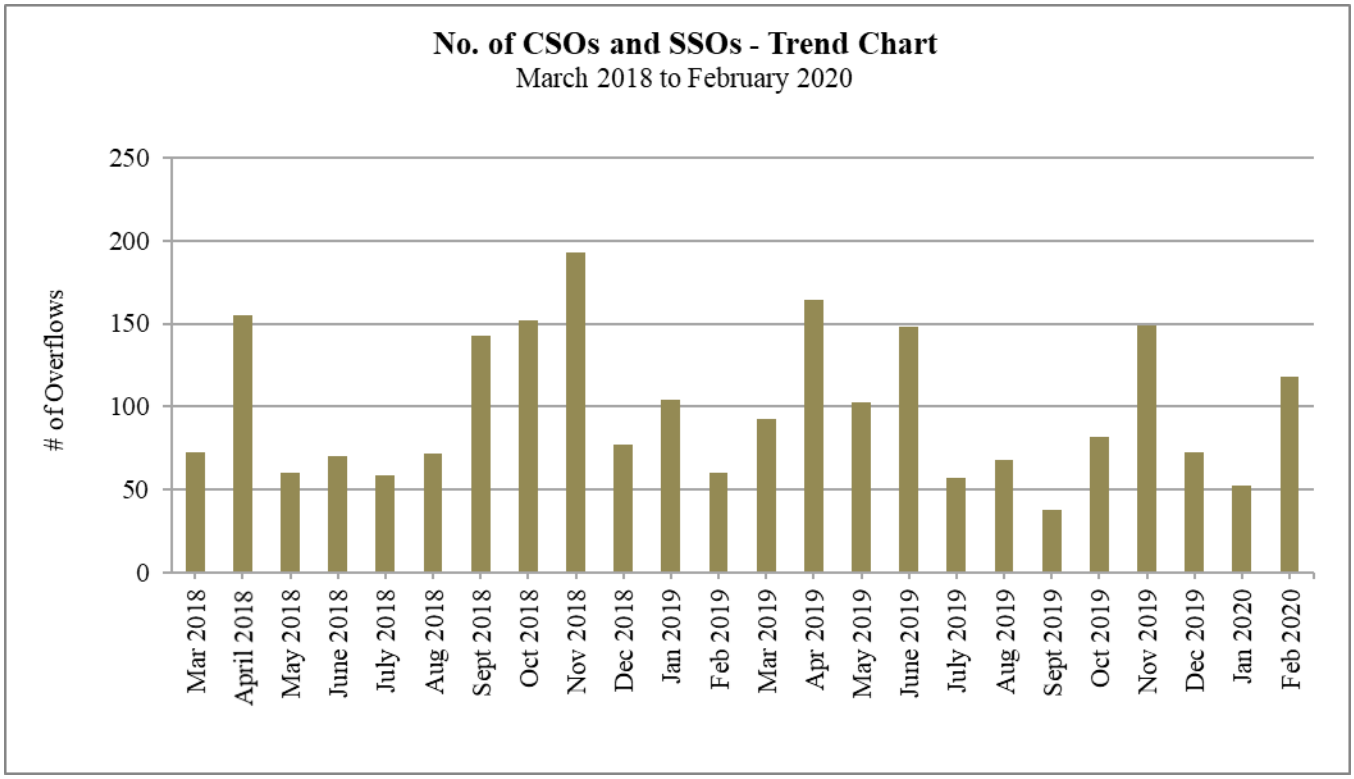
    1. February 4: The CSOs at Ferguson Rd CSO, Lyle St CSO, Park Ave PS & CSO, King St PS & CSO, Old Ferry Rd PS & CSO and Melva St PS & CSO were the result of an influent gate closure at the Dartmouth WWTF due to a failed screen. NSE was notified.

    2. February 8: The CSOs at Ferguson Rd CSO, Lyle St CSO, Park Ave PS & CSO, Old Ferry Rd PS & CSO and Melva St PS & CSO were the result of a pump inhibit at the DWWTF due to a power failure. The CSOs at Maitland St PS & CSO were the result of blockages caused by debris.

    3. February 9: The CSO at Maitland St PS & CSO was the result of a blockage caused by debris.

    4. February 15: The CSOs at Chain Rock PS & CSO were the result of blockages caused by debris.

    5. February 22: The CSO at Chain Rock PS & CSO was the result of a blockage caused by debris.


No. of CSOs and SSOs - Trend Chart
March 2018 to February 2020
# of Overflows
250
200
150
100
50
0
Mar 2018
April 2018
May 2018
June 2018
July 2018
Aug 2018
Sept 2018
Oct 2018
Nov 2018
Dec 2018
Jan 2019
Feb 2019
Mar 2019
Apr 2019
May 2019
June 2019
July 2019
Aug 2019
Sept 2019
Oct 2019
Nov 2019
Dec 2019
Jan 2020
Feb 2020