

City of Hamilton—Reserve Funds Treasurer’s Investment Report 2019 Fiscal Year

May 2020

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Introduction

As the acting Investment Consultant, Aon is engaged to prepare, on behalf of the Treasurer of the City of Hamilton (“City”), an investment report, referred to as the Treasurer’s Report (“the report”), relating to the activities of the City of Hamilton Reserve Fund and the Hamilton Future Fund (“the Funds”) during the prior fiscal year. The report will be presented to City Council in the second quarter of every calendar year.

The report is part of a broader governance oversight of the Funds, which includes financial audits, used to evaluate and monitor the various responsibilities that have been delegated by the Treasurer of the City of Hamilton (“City Treasurer”) and City Council. More specifically, the overall objective of the report is to ensure that the Funds are managed in accordance with existing legislation that was in effect in 2019 and the guidelines set out in the Statement of Investment Policies and Procedures for the City of Hamilton Reserve/Revenue Funds and Trust Accounts (“SIP&P”).

The report has been written in accordance with Section 1.11 of the SIP&P and shall contain:

- A statement about the performance of the portfolio of investments of the City during the period covered by the report;
- A listing of the types of securities in which the portfolio invested during the period covered by the report;
- A listing of the securities and their credit ratings held by the portfolio as at the date of the report;
- A description of the estimated proportion of the total investments of a municipality that are invested in its own long-term and short-term securities to the total investment of the municipality and a description of the change, if any, in that estimated proportion since the previous year’s report;
- A record of the date of each transaction in or disposal of its own securities, including a statement of the purchase and sale of each security;
- A statement by the Chief Investments Officer (“CIO”) as to whether or not, in his or her opinion, all investments are consistent with the SIP&P adopted by the City;
- A statement by the treasurer as to whether or not, in his or her opinion, all investments are consistent with the SIP&P adopted by the City¹; and
- Any other information that the council may require or that, in the opinion of the City Treasurer, should be included.

This report addresses only the activities of the City of Hamilton Reserve Fund and the Hamilton Future Fund. The Trust Accounts are not covered by this report.

¹ In the executive summary of the staff report, Treasurer’s Investment Report 2019 Fiscal Year by Aon (FCS20042) (City Wide), to which this report is attached as Appendix “A”, the City treasurer states whether all investments met the eligibility requirements as prescribed by the Ontario Regulation 438/97 (“O. Reg. 438/97”) and were made in accordance with the investment policies and goals adopted by the City of Hamilton’s SIP&P.

Reserve Fund Performance and Future Fund Performance²

The returns of the Funds are determined by RBC Investor & Treasury Services (“RBC”), who is also the City’s custodian, on a daily basis for the City of Hamilton Reserve Fund and on a monthly basis for the Hamilton Future Fund.

The Funds’ performance objective, as outlined in Section 4.10 of the SIP&P, is to outperform a benchmark portfolio constructed from a blend of returns composed of 62.5% of the FTSE Canada All-Government Short-Term Bond Index, 27.5% of the FTSE Canada All-Government Bond Index and 10.0% of FTSE Canada 91-Day Treasury Bill Index.

Benchmark	%
FTSE Canada All-Government Short-Term Bond Index	62.5
FTSE Canada All-Government Bond Index	27.5
FTSE Canada 91-Day Treasury Bill Index	<u>10.0</u>
	100.0

The performance returns of the Funds over each of the quarters of 2019, and over the one-, two-, three- and four-year periods ending December 31, 2019 are as follows:

City of Hamilton Reserve Fund—Performance %

	Q1 2019	Q2 2019	Q3 2019	Q4 2019	One Year	Two Years (annualized)	Three Years (annualized)	Four Years (annualized)
Reserve Fund	2.93	1.67	0.65	-0.33	4.97	3.39	2.68	2.38
Benchmark	2.04	1.15	0.52	-0.32	3.42	2.60	1.87	1.53
Value Added	0.89	0.52	0.13	-0.01	1.55	0.79	0.81	0.85

Over a one-year period, the City of Hamilton Reserve Fund’s return of 4.97% outperformed the benchmark return of 3.42% by 155 basis points.

Hamilton Future Fund—Performance %

	Q1 2019	Q2 2019	Q3 2019	Q4 2019	One Year	Two Years (annualized)	Three Years (annualized)	Four Years (annualized)
Future Fund	3.25	1.83	0.75	-0.44	5.47	3.69	2.96	2.62
Benchmark	2.04	1.15	0.52	-0.32	3.42	2.60	1.87	1.53
Value Added	1.21	0.68	0.23	-0.12	2.05	1.09	1.09	1.09

Over a one-year period, the Hamilton Future Fund’s return of 5.47% outperformed the benchmark return of 3.42% by 205 basis points.

² In previous reports, Aon had reviewed and confirmed, for accuracy, the performance calculated by RBC. Aon’s role in reviewing the performance determined by RBC was intended as a temporary measure with foresight for Aon to eventually discontinue this review. Starting with this report, Aon will discontinue to perform this review given that RBC has been reporting accurate performance historically.

Types of Securities

The City is only allowed to invest in securities permitted under Ontario Regulation 438/97: Eligible Investments, Related Financial Agreements and Prudent Investment under the Municipal Act, 2001, S.O. 2001, c. 25, that was in effect during 2019. As per Section 4.02 of the SIP&P, an Approved List of Investments ("Approved List") has been established by the City Treasurer and the CIO. All investments on the Approved List meet the eligibility requirements as prescribed by Ontario Regulation 438/97. The Approved List is as follows:

Bonds, Debentures, Promissory Notes, Other Evidence of Indebtedness Issued by or Guaranteed by

Government of Canada
Canadian Provincial Government
Government of Canada Agency
Canadian Provincial Agency
Country other than Canada
Canadian Municipality, including City of Hamilton
School Board in Canada
Municipal Finance Authority of British Columbia
Canadian Corporation
Banks in Canada
Infrastructure Ontario
International Bank for Reconstruction and Development
Inter-American Development Bank
Supranational Financial Institution
Supranational Governmental Organization

Deposit Receipts, Deposit Notes, Certificate of Deposits, Acceptances Issued by or Guaranteed by

Banks in Canada
Credit Union with Guarantee

Asset Backed Securities (ABS)

Asset Backed Securities
Asset Backed Commercial Paper (ABCP)

Negotiable Promissory Notes or Commercial Paper (other than ABS)

Forward Rate Agreements

One Investment Program³

Security – gift in a will or non-charitable donation, and Shares of a Corporation as per footnotes 13 and 14 in Appendix A of the SIP&P.

³ The One Investment Program is jointly run by CHUMS (a subsidiary of the Municipal Finance Officers' Association of Ontario) and Local Authority Services (a corporation of the Association of Municipalities of Ontario).

We have reviewed the custodian statements as well as the transactions that have occurred to determine the types of securities that were held by the Funds during the 2019 period. We can confirm that the types of securities that were held in the City of Hamilton Reserve Fund and the Hamilton Future Fund during 2019 are as listed as follows:

The types of securities held by the City of Hamilton Reserve Fund were as follows:

City of Hamilton Reserve Fund—Types of Securities

**Bonds, Debentures, Promissory Notes, Other Evidence of
Indebtedness Issued by or Guaranteed by**

Government of Canada
Canadian Provincial Government
Government of Canada Agency
Canadian Municipality, including City of Hamilton
Municipal Finance Authority of British Columbia

**Deposit receipts, Deposit Notes, Certificate of Deposits,
Acceptances Issued by or Guaranteed by**

Banks in Canada
Credit Union with Guarantee

One Investment Program

Equity Portfolio
Universe Corporate Bond Portfolio

The types of securities held by the Hamilton Future Fund were as follows:

Hamilton Future Fund—Types of Securities

**Bonds, Debentures, Promissory Notes, Other Evidence of
Indebtedness Issued by or Guaranteed by**

Canadian Provincial Government
Canadian Municipality

**Deposit Receipts, Deposit Notes, Certificate of Deposits,
Acceptances Issued by or Guaranteed by**

Banks in Canada

One Investment Program

Equity Portfolio

In addition to the above list of securities, the Hamilton Future Fund has some monies invested in a private placement of 2,000 common shares of the Hamilton Utilities Corporation. As well, as at December 31, 2019, approximately 3.1% of funds were invested in a Short-Term Investment Fund ("STIF") of RBC. All securities were expressed or payable in Canadian dollars. The types of securities held by the City of Hamilton Reserve Fund and the Hamilton Future Fund during 2019 were all part of the Approved List.

Portfolio Securities as at December 31, 2019

City of Hamilton Reserve Fund

Below are The City of Hamilton Reserve Fund securities and credit ratings⁴ as at December 31, 2019. As shown in the list below, the City of Hamilton Reserve Fund also held equity and fixed income investments through the One Investment Program. The City's Reserve Fund investment in the One Investment Program Equity Portfolio had a market value of \$29.8 million and book value of \$21.8 million; the City's investment in the One Investment Program Universe Corporate Bond Portfolio had a market value of \$5.3 million and book value of \$5.4 million.

As at December 31, 2019, City of Hamilton Reserve Fund held a market value of \$3.2 million or 0.31% of the Fund in City of Hamilton securities. Over the last year, the market value of City of Hamilton securities decreased by \$0.1 million from \$3.3 million as at December 31, 2018. The decrease was primarily due to market fluctuation. There were no transactions in City of Hamilton securities over the 2019 fiscal year.

Date	Issuer Name	Coupon Rate	Maturity Date	Market Price	Credit Rating	Portfolio Market Value (\$)	Portfolio Market Value (%)
Federal and Federal Guarantee Bonds							
31-Dec-19	Government of Canada	2.750	1-Jun-22	102.73	AAA	10,273,149.46	0.99%
31-Dec-19	Canada Housing Trust	2.650	15-Mar-22	102.59	AAA	22,570,486.09	2.18%
31-Dec-19	Canada Housing Trust	2.350	15-Jun-23	101.59	AAA	20,317,007.41	1.96%
31-Dec-19	Canada Housing Trust	2.550	15-Mar-25	103.53	AAA	10,352,932.05	1.00%
31-Dec-19	Canada Housing Trust	1.900	15-Sep-26	99.72	AAA	10,969,196.79	1.06%
31-Dec-19	Canada Housing Trust	2.350	15-Jun-27	102.00	AAA	5,099,940.55	0.49%
Provincial and Provincial Guarantee Bonds							
31-Dec-19	Province of Alberta	2.550	15-Dec-22	101.92	AA	20,383,709.82	1.97%
31-Dec-19	Province of Alberta	2.650	1-Sep-23	103.24	AA	6,194,222.67	0.60%
31-Dec-19	Province of Alberta	2.350	1-Jun-25	101.30	AA	7,597,674.53	0.73%
31-Dec-19	Province of Alberta	2.200	1-Jun-26	100.10	AA	6,005,708.66	0.58%
31-Dec-19	Province of Alberta	2.550	1-Jun-27	101.88	AA	8,150,274.83	0.79%
31-Dec-19	Province of Alberta	2.900	1-Dec-28	104.56	AA	4,182,264.89	0.40%
31-Dec-19	Province of Alberta	2.900	20-Sep-29	105.18	AA	15,250,687.64	1.47%
31-Dec-19	Province of British Columbia	3.700	18-Dec-20	101.97	AAA	10,196,979.18	0.98%
31-Dec-19	Province of British Columbia	2.700	18-Dec-20	101.02	AAA	4,040,782.47	0.39%
31-Dec-19	Province of British Columbia	3.250	18-Dec-21	102.87	AAA	22,630,689.74	2.18%
31-Dec-19	Province of British Columbia	2.700	18-Dec-22	102.48	AAA	8,198,738.53	0.79%
31-Dec-19	Province of British Columbia	2.300	18-Jun-26	101.24	AAA	10,123,886.02	0.98%
31-Dec-19	Province of British Columbia	2.550	18-Jun-27	102.56	AAA	8,205,159.94	0.79%
31-Dec-19	Province of Manitoba	3.850	1-Dec-21	104.05	AA	20,809,911.46	2.01%
31-Dec-19	Province of Manitoba	2.550	2-Jun-23	102.20	AA	16,862,492.14	1.63%
31-Dec-19	Province of Manitoba	2.450	2-Jun-25	101.84	AA	11,711,845.74	1.13%
31-Dec-19	Province of Manitoba	2.550	2-Jun-26	102.25	AA	14,826,658.18	1.43%
31-Dec-19	Province of Manitoba	2.600	2-Jun-27	102.24	AA	3,067,343.99	0.30%
31-Dec-19	Province of Manitoba	2.750	2-Jun-29	103.33	A	5,166,498.47	0.50%

⁴ Credit ratings are provided by RBC. Credit rating data is collected from 3 major rating agencies (S&P, Moody's and DBRS) if available. "AA" includes AA-, AA, AA+ or an equivalent rating. "A" includes A-, A, A+ or an equivalent rating. Rating field will be blank if no rating is available. All results are based on highest available rating.

31-Dec-19	Province of New Brunswick	3.350	3-Dec-21	103.03	AA	5,151,727.57	0.50%
31-Dec-19	Province of New Brunswick	2.850	2-Jun-23	103.12	AA	13,585,790.65	1.31%
31-Dec-19	Province of New Brunswick	2.600	14-Aug-26	103.11	AA	5,155,666.11	0.50%
31-Dec-19	Province of New Brunswick	2.350	14-Aug-27	100.94	AA	6,561,158.23	0.63%
31-Dec-19	Province of Newfoundland	1.950	2-Jun-22	100.18	A	3,005,333.85	0.29%
31-Dec-19	Province of Newfoundland	2.300	2-Jun-25	100.57	A	5,028,534.40	0.49%
31-Dec-19	Province of Newfoundland	3.000	2-Jun-26	104.13	A	15,620,151.05	1.51%
31-Dec-19	Province of Newfoundland	2.850	2-Jun-28	102.72	A	4,108,925.30	0.40%
31-Dec-19	Province of Newfoundland	2.850	2-Jun-29	102.78	A	5,139,068.23	0.50%
31-Dec-19	Province of Newfoundland	3.300	17-Oct-46	108.09	A	3,242,677.00	0.31%
31-Dec-19	Province of Nova Scotia	2.150	1-Jun-25	100.46	AA	3,013,803.05	0.29%
31-Dec-19	Province of Nova Scotia	2.100	1-Jun-27	99.11	AA	6,937,628.89	0.67%
31-Dec-19	Province of Ontario	3.150	2-Jun-22	103.25	AA	33,041,378.60	3.19%
31-Dec-19	Province of Ontario	2.850	2-Jun-23	103.25	AA	20,649,724.52	1.99%
31-Dec-19	Province of Ontario	2.600	2-Jun-27	102.67	AA	21,559,850.47	2.08%
31-Dec-19	Province of Ontario	2.900	2-Jun-28	104.93	AA	15,739,553.42	1.52%
31-Dec-19	Province of Price Edward Island	3.700	2-Sep-20	102.45	AA	4,456,399.36	0.43%
31-Dec-19	Province of Quebec	3.500	1-Dec-22	104.86	AA	13,631,895.20	1.32%
31-Dec-19	Province of Quebec	3.000	1-Sep-23	104.73	AA	2,094,604.65	0.20%
31-Dec-19	Province of Quebec	3.750	1-Sep-24	108.93	AA	5,446,513.48	0.53%
31-Dec-19	Province of Quebec	2.600	6-Jul-25	104.13	AA	2,249,177.90	0.22%
31-Dec-19	Province of Quebec	2.500	1-Sep-26	103.01	AA	20,602,015.49	1.99%
31-Dec-19	Province of Quebec	2.750	1-Sep-27	104.62	AA	10,462,236.81	1.01%
31-Dec-19	Province of Quebec	2.750	1-Sep-28	104.82	AA	6,289,266.18	0.61%
31-Dec-19	Province of Saskatchewan	3.200	3-Jun-24	105.18	AAA	14,725,022.42	1.42%
31-Dec-19	Province of Saskatchewan	2.650	2-Jun-27	102.74	AA	16,437,721.32	1.59%
31-Dec-19	New Brunswick Municipal Finance Corp	3.050	20-Nov-20	101.11	AA	3,347,684.52	0.32%
31-Dec-19	New Brunswick Municipal Finance Corp	2.900	14-Jun-21	101.21	AA	3,418,739.14	0.33%
31-Dec-19	New Brunswick Municipal Finance Corp	3.300	15-May-23	103.66	A	3,584,491.27	0.35%
31-Dec-19	New Brunswick Municipal Finance Corp	2.950	8-Dec-23	100.89	A	4,650,157.11	0.45%

Municipal Bonds

31-Dec-19	City of Barrie	2.400	20-Jun-29	98.91	AA	3,265,905.97	0.32%
31-Dec-19	City of Hamilton	5.050	19-Jun-21	104.55	AA	3,197,073.65	0.31%
31-Dec-19	City of London	2.1	16-Mar-24	100.19	AAA	1,001,946.16	0.10%
31-Dec-19	City of London	2.650	2-Apr-27	101.74	AAA	5,310,863.75	0.51%
31-Dec-19	City of Montreal	3.500	1-Sep-23	106.24	AA	8,180,671.58	0.79%
31-Dec-19	City of Montreal	3.000	1-Sep-25	105.07	AA	6,304,384.72	0.61%
31-Dec-19	City of Montreal	2.750	1-Sep-26	103.63	AA	4,145,268.76	0.40%
31-Dec-19	City of Montreal	3.000	1-Sep-27	104.97	AA	4,198,784.15	0.41%
31-Dec-19	City of Montreal	2.300	1-Sep-29	99.15	AA	9,915,333.41	0.96%
31-Dec-19	City of Montreal	3.150	1-Dec-36	105.63	AA	4,225,212.37	0.41%
31-Dec-19	City of Montreal	3.5	1-Dec-38	110.87	AA	8,314,892.80	0.80%
31-Dec-19	City of Ottawa	3	23-Apr-23	99.95	AAA	5,159,447.99	0.50%
31-Dec-19	City of Ottawa	2	23-Apr-46	105.98	AAA	3,709,379.33	0.36%
31-Dec-19	City of Toronto	3.500	6-Dec-21	103.24	AA	5,161,788.20	0.50%
31-Dec-19	City of Toronto	3.400	21-May-24	105.63	AA	13,731,731.63	1.33%
31-Dec-19	City of Toronto	2.400	7-Jun-27	100.22	AA	10,021,944.96	0.97%
31-Dec-19	City of Toronto	2.650	9-Nov-29	101.94	AA	5,097,238.63	0.49%
31-Dec-19	City of Toronto	3.500	2-Jun-36	110.32	AA	3,309,635.62	0.32%
31-Dec-19	City of Vancouver	3.450	2-Dec-21	103.26	AAA	8,260,849.09	0.80%
31-Dec-19	City of Vancouver	3.750	24-Oct-23	106.94	AAA	4,277,567.52	0.41%
31-Dec-19	City of Vancouver	2.850	3-Nov-27	103.88	AAA	4,155,000.36	0.40%

31-Dec-19	City of Winnipeg	4.100	1-Jun-45	123.41	AA	3,948,998.15	0.38%
31-Dec-19	Municipal Finance Authority of BC	4.150	1-Jun-21	103.57	AAA	14,500,078.15	1.40%
31-Dec-19	Municipal Finance Authority of BC	2.150	3-Jun-24	100.51	AAA	5,266,848.81	0.51%
31-Dec-19	Municipal Finance Authority of BC	3.050	23-Oct-28	105.98	AAA	10,120,780.92	0.98%
31-Dec-19	Municipal Finance Authority of BC	2.550	9-Oct-29	101.98	AAA	10,095,942.61	0.97%
31-Dec-19	Niagara Regional Municipality	3.000	3-Jul-25	104.69	AA	3,140,666.71	0.30%
31-Dec-19	Quebec City	3.150	8-Dec-25	104.70	AA	2,617,591.01	0.25%
31-Dec-19	Regional Municipality of Peel	3.050	1-Dec-21	103.35	AAA	12,401,453.91	1.20%
31-Dec-19	Regional Municipality of Peel	3.500	2-Nov-26	100.09	AAA	5,504,953.20	0.53%
31-Dec-19	Regional Municipality of Halton	3.300	2-Jun-23	103.63	AAA	6,580,329.29	0.64%
Schedule I Banks							
31-Dec-19	Bank of Montreal	2.840	4-Jun-20	100.59	AA	2,011,803.72	0.19%
31-Dec-19	Bank of Montreal	3.400	23-Apr-21	102.39	AA	10,239,121.88	0.99%
31-Dec-19	Bank of Montreal	2.120	16-Mar-22	100.61	AA	2,012,290.53	0.19%
31-Dec-19	Bank of Montreal	2.270	11-Jul-22	101.39	AA	2,027,719.94	0.20%
31-Dec-19	Bank of Montreal	2.890	20-Jun-23	102.36	AA	7,165,257.73	0.69%
31-Dec-19	Bank of Montreal	2.700	11-Sep-24	102.73	AA	5,136,370.61	0.50%
31-Dec-19	Bank of Montreal	4.609	10-Sep-25	113.53	AA	3,973,481.96	0.38%
31-Dec-19	Bank of Montreal	3.190	1-Mar-28	106.59	AA	14,390,230.31	1.39%
31-Dec-19	Bank of Nova Scotia	2.270	13-Jan-20	101.07	AA	7,074,888.00	0.68%
31-Dec-19	Bank of Nova Scotia	2.090	9-Sep-20	100.73	AA	6,043,945.81	0.58%
31-Dec-19	Bank of Nova Scotia	3.270	11-Jan-21	102.81	AA	5,140,597.72	0.50%
31-Dec-19	Bank of Nova Scotia	2.873	4-Jun-21	101.34	AA	4,053,628.50	0.39%
31-Dec-19	Bank of Nova Scotia	2.360	8-Nov-22	100.85	AA	5,042,484.63	0.49%
31-Dec-19	Bank of Nova Scotia	2.980	17-Apr-23	103.08	AA	7,215,535.68	0.70%
31-Dec-19	Bank of Nova Scotia	2.290	28-Jun-24	100.14	AA	4,005,497.84	0.39%
31-Dec-19	Bank of Nova Scotia	2.620	2-Dec-26	101.84	AA	16,294,960.23	1.57%
31-Dec-19	Bank of Nova Scotia	3.100	2-Feb-28	106.20	AA	5,309,855.45	0.51%
31-Dec-19	Canadian Imperial Bank	2.040	21-Mar-22	100.40	AA	1,004,009.31	0.10%
31-Dec-19	Canadian Imperial Bank	2.300	11-Jul-22	101.43	AA	7,100,058.65	0.69%
31-Dec-19	Canadian Imperial Bank	2.970	11-Jul-23	103.93	AA	3,118,029.38	0.30%
31-Dec-19	Canadian Imperial Bank	3.300	26-May-25	105.30	AA	21,059,171.91	2.03%
31-Dec-19	Royal Bank of Canada	2.000	21-Mar-22	100.32	AA	5,015,856.76	0.48%
31-Dec-19	Royal Bank of Canada	2.949	1-May-23	102.88	AA	10,287,520.86	0.99%
31-Dec-19	Royal Bank of Canada	4.930	16-Jul-25	115.84	AA	5,792,163.08	0.56%
31-Dec-19	Toronto Dominion Bank	2.563	24-Jun-20	100.35	AA	8,850,738.97	0.85%
31-Dec-19	Toronto Dominion Bank	2.045	8-Mar-21	100.66	AA	6,542,714.76	0.63%
31-Dec-19	Toronto Dominion Bank	2.621	22-Dec-21	101.09	AA	5,054,487.51	0.49%
31-Dec-19	Toronto Dominion Bank	3.226	24-Jul-24	105.59	AA	22,173,721.99	2.14%
Cash and Cash Equivalents							
31-Dec-19	Cash					77.68	0.00%
31-Dec-19	First Ontario Credit Union	2.730	16-Oct-20	100.51		20,101,539.73	1.94%
31-Dec-19	First Ontario Credit Union	2.610	30-Mar-20	101.58		10,157,816.44	0.98%
31-Dec-19	Meridian Credit Union	2.650	19-Jun-20	101.40		10,140,123.29	0.98%
One Investment Program							
31-Dec-19	Equity Portfolio					29,775,720.26	2.87%
31-Dec-19	Universe Corporate Bond Portfolio					5,287,521.83	0.51%
Total Fund						1,035,846,643.80	100.00%

Hamilton Future Fund

Below are the Hamilton Future Fund securities and credit ratings⁵ as at December 31, 2019. As shown in the list below, the Hamilton Future Fund also held equity investments through the One Investment Program. The Hamilton Future Fund investment in the One Investment Program Equity Portfolio had a market value of \$1.8 million and book value of \$1.5 million. In addition to the securities below, 2,000 common shares of Hamilton Utilities Corporation were also held in the portfolio as at December 31, 2019. These shares are not listed in the total portfolio shown below.

Date	Issuer Name	Coupon Rate	Maturity Date	Market Price	Credit Rating	Portfolio Market Value (\$)	Market Value (%)
Provincial and Provincial Guarantee Bonds							
31-Dec-19	Province of Alberta	2.35	1-Jun-25	101.30	AA	2,026,046.54	4.06%
31-Dec-19	Province of Alberta	2.20	1-Jun-26	100.10	AA	2,001,902.89	4.01%
31-Dec-19	Province of British Columbia	2.70	18-Dec-22	102.48	AAA	4,406,821.96	8.83%
31-Dec-19	Province of Manitoba	2.60	2-Jun-27	102.24	AA	2,044,895.99	4.10%
31-Dec-19	Province of Manitoba	3.00	2-Jun-28	105.14	A	1,051,397.84	2.11%
31-Dec-19	Province of Newfoundland	3.00	2-Jun-26	104.13	A	2,082,686.81	4.17%
31-Dec-19	Province of Newfoundland	3.30	17-Oct-46	108.09	A	1,080,892.33	2.17%
31-Dec-19	Province of Nova Scotia	2.15	1-Jun-25	100.46	AA	2,009,202.03	4.02%
31-Dec-19	Province of Ontario	3.15	2-Jun-22	103.25	AA	2,065,086.16	4.14%
31-Dec-19	Province of Ontario	2.85	2-Jun-23	103.25	AA	4,129,944.90	8.27%
31-Dec-19	Province of Ontario	2.65	5-Feb-25	103.91	AA	2,182,086.08	4.37%
31-Dec-19	Province of Ontario	2.60	2-Jun-27	102.67	AA	2,053,319.09	4.11%
31-Dec-19	Province of Quebec	2.75	1-Sep-27	104.62	AA	2,615,559.20	5.24%
31-Dec-19	New Brunswick Municipal Financial Corp	3.10	30-Nov-22	102.62	AA	2,052,355.62	4.11%
Municipal Bonds							
31-Dec-19	City of London	2.55	07-Mar-25	102.18	AAA	306,532.23	0.61%
31-Dec-19	City of Montreal	3.00	01-Sep-25	105.07	AA	2,180,266.38	4.37%
31-Dec-19	City of Montreal	3.00	01-Sep-27	104.97	AA	1,049,696.04	2.10%
31-Dec-19	City of Montreal	3.15	01-Dec-36	105.63	AA	1,056,303.09	2.12%
31-Dec-19	City of Toronto	2.40	24-Jun-26	100.68	AA	1,812,319.92	3.63%
31-Dec-19	City of Toronto	2.40	07-Jun-27	100.22	AA	1,002,194.50	2.01%
Schedule I Banks							
31-Dec-19	Bank of Nova Scotia	2.27	13-Jan-20	101.07	AA	505,349.14	1.01%
31-Dec-19	Bank of Nova Scotia	2.09	9-Sep-20	100.73	AA	2,518,310.76	5.04%
31-Dec-19	Bank of Nova Scotia	3.10	2-Feb-28	106.20	AA	796,478.32	1.60%
31-Dec-19	Canadian Imperial Bank	2.04	21-Mar-22	100.40	AA	3,012,027.94	6.03%
31-Dec-19	Canadian Imperial Bank	3.30	26-May-25	105.30	AA	526,479.30	1.05%
Cash and Cash Equivalents							
31-Dec-19	CLASSIFIED STIF I			10.00		1,545,811.31	3.10%
31-Dec-19	Cash					-	0.00%
One Investment Program							
31-Dec-19	Equity Portfolio					1,810,227.73	3.63%
Total Fund						49,924,194.10	100.00%

⁵ Credit ratings are provided by RBC. Credit rating data is collected from 3 major rating agencies (S&P, Moody's and DBRS) if available. "AA" includes AA-, AA, AA+ or an equivalent rating. "A" includes A-, A, A+ or an equivalent rating. Rating field will be blank if no rating is available. All results are based on highest available rating.

Restrictions		
Constraints		Policy Complied with Yes/No
The City shall not invest more than 25% of the portfolio in short-term debt issued or guaranteed by the City.		Yes
Total Investment in 'A' or equivalent rated debt on purchase most not exceed 35% of the market value of the City's bond portfolio.		Yes
The City shall not invest in a security that is expressed or payable in any currency other than Canadian dollars with exception of investments specified in Section 4.07 and footnote 6 of Appendix "A" of the SIP&P.		Yes
The City shall not invest in a security issued or guaranteed by a school board or similar entity unless the money raised by issuing the security is to be used for school purposes.		Yes
Permitted ranges	(%)	
Federal issues	0-100	Yes
Provincial holdings in aggregate	0-100	Yes
Single province exposure	0-50	Yes
Individual non-federal/non provincial holdings *	0-10	Yes
Non-federal/non provincial holdings in aggregate	0-50	Yes
Municipal issues *		
- individual muni issue rated "AAA"	0-10	Yes
- individual muni issue rated "AA"	0-10	Yes
- individual muni issue rated "A"	0-5	Yes
Municipal holdings in aggregate	0-30	Yes
Banks and Credit Unions in aggregate	0-50	Yes
Short-term securities	0-50	Yes
Portfolio duration	1-6 Years	Yes

* Except for City of Hamilton issues which have a limit of 25%

As at December 31, 2019 on a combined basis, the Funds were being managed in a manner that is consistent with the minimum quality requirements, maximum quantity restrictions and all other restrictions imposed on the Funds. Securities lending is allowed, and as such, monies were loaned during the year for the purpose of generating revenues for the Funds. In managing the securities lending program, RBC complied with the constraints described in the Securities Lending Letter Agreement dated as of January 6, 2003, as amended. (The most recent amendment dated effective as of March 1, 2019). The ratings were assumed to be the same for all issues of an issuer. Throughout the year, reports are provided by RBC to the CIO on a weekly basis, showing the securities that the City invested in for the Reserve Fund and the Hydro Fund together with each security's market value.

In addition, on monthly basis, RBC provides CIO with compliance reports⁶, confirming whether or not the Funds were consistent with terms, conditions and guidelines stipulated in the SIP&P. Securities that not consistent with the terms, conditions and guidelines stipulated in the SIP&P are reviewed and action is taken to remedy the situation as soon as possible.

Aon has reviewed these compliance reports for 2019 and confirms the compliance reports indicate the Funds were consistent with the terms, condition and guidelines stipulated in the SIP&P at each month end throughout 2019.

⁶ Starting in 2019, the City engaged RBC as an independent third party to provide comprehensive monthly compliance reports as part of their overall engagement with RBC. These reports assist the City to identify any potential deviations from a compliance perspective.

Activity and Transactions

Activity every month consists of:

- 1) Cash Inflows: Proceeds from bond maturities and sales, contributions/transfers and investment income; and
- 2) Cash Outflows: Funds for bond purchases, distributions and other required outflows.

For the City of Hamilton Reserve Fund, cash inflows were \$256.8 million, consisting of \$102.4 million in sales and maturities, \$27.8 million in investment income and \$126.6 million in contributions/transfers. Cash outflows were also \$256.8 million and consisted of \$122.0 million in purchases and \$134.8 million in distributions.

For the Hamilton Future Fund, cash inflows were \$3.8 million, consisting of \$1.3 million in sales and maturities, \$1.2 million in investment income and \$1.3 million in contributions/transfers. Cash outflows were also \$3.8 million and consisted of \$2.5 million in purchases and \$1.3 million in distributions.

The records of each activity are summarized in the custodial statements of RBC on a monthly basis. Aon uses these monthly statements to record and reconcile all of the transactions noted above.

Certificate by Chief Investments Officer

This Certificate by the Chief Investments Officer applies to the City of Hamilton Reserve Fund and the Hamilton Future Fund ("the Funds").

The undersigned hereby confirms that throughout the reporting period of 2019:

1. The management of the Funds was in accordance with all the terms, conditions and guidelines stipulated in the SIP&P in effect during 2019.
2. The Funds were managed in compliance with the Municipal Act, 2001, S.O. 2001, c. 25, and Ontario Regulation 438/97 that was in effect in 2019.
3. The Chief Investments Officer, who manages the Funds, complied at all times and in all respects with the Code of Ethics and Standard of Professional Conduct as promulgated by the CFA Institute.
4. The Chief Investments Officer managed the Funds' assets with the care, diligence and skill that an investment manager of ordinary prudence would use in dealing with the assets of these types of Funds.

Certified by,



Gerald T. Boychuk
Chief Investments Officer
City of Hamilton