COMBINED WATER, WASTEWATER AND STORM 2017 HAMILTON WATER OPERATING BUDGET CITY OF HAMILTON

																					ŀ	۱p	p	en	di	x	" A "	to I	Re	po	rt	F	CS1	1 6 0)7	9 1	Pag
E STED /	BUDGET	2		4.0%	17.0%	(60.8%)	0.0%	3.2%	28.6%	0.1%	13.6%	8.2%	1.5%	11.7%	2.6%	19.7%	3.2%	11.1%	4.7%	(%0.9)	(%0.0)	0.0%	(0.1%)	(0.1%)	42.3%	5.9%	8.3%			51.9%	(68.0%)	41.8%	(5.4%)	1/01 6/	(3.4%)	(2.7%)	(3.1%)
CHANGE 2017 REQUESTED	2016 RESTATED BUDGE1	•		81,450	201,150	(900,720)	1,377,780	98,850	415,390	610	442,190	134,330	305,595	4,453,863	42,120	236,276	70,210	64,980	216,770	(353,465)	(40)	500,000	(200)	(3,600)	79,640	(476,684)	6,986,195			20,074,000	(28,370,000)	3,544,010	(4,751,990)	(000 001)	(100,000)	(20,000)	(240,000)
ACTUAL	BUDGET	R		1.2%	0.5%	3.3%	0.0%	1.5%	3.5%	1.0%	1.5%	0.9%	7.7%	0.7%	6.6%	(2.5%)	13.1%	(11.1%)	0.0%	0.0%	0.0%	0.0%	0.0%	(37.8%)	39.9%	(%0.0)	1.7%			0.0%	0.0%	%0.0	0.0%	/00 0	%00 0	0.0%	%0.0
CHANGE 2016 PROJECTED ACTUAI	/2016 RESTATED BUDGE1	•		24,460	6,500	48,750	, .	45,460	50,200	7,810	48,978	14,700	1,519,217	278,290	109,200	(65,800)	291,400	(64,980)	230	ł			ı	(946,400)	75,030	24	1,443,069			ı	·	-	,			,	I
2017 REQUESTED	BUDGET	•		2,136,890	1,385,230	581,120	1,377,780	3,162,890	1,867,620	778,990	3,685,040	1,777,770	20,028,825	42,513,003	1,689,980	1,433,626	2,292,860	650,000	4,825,000	5,571,275	500,000	500,000	500,000	2,500,000	267,800	(8,606,080)	91,419,619			58,771,000	13,325,000	000'868'01	83,055,000		3 870 000	730,000	7,400,000
2017 PROGRAM	CHANGE	•											111,575	390,563		67,116						500,000					1,069,254			1	1		ı		1 1	1	1
2017 MAINTENANCE	BUDGET	•		2,136,890	1,385,230	581,120	1,377,780	3,162,890	1,867,620	778,990	3,685,040	1,777,770	19,917,250	42,122,440	1,689,980	1,366,510	2,292,860	650,000	4,825,000	5,571,275	500,000	J	500,000	2,500,000	267,800	(8,606,080)	90,350,365			58,771,000	13,325,000	000'808'01	83,055,000	000 000 6	3 870 000	730,000	7,400,000
2016 PROJECTED	To Dec. 31 2016 *	•		2,030,980	1,177,580	1,433,090	1 1	3,018,580	1,402,030	770,570	3,193,872	1,628,740	18,204,013	37,780,850	1,538,660	1,263,150	1,931,250	650,000	4,608,000	5,924,740	500,040	ı	500,500	3,450,000	113,130	(8,129,420)	82,990,355			38,697,000	41,695,000	1,414,990	87,806,990		3 990 000	750,000	7,640,000
0	BUDGET .	•		2,055,440	1,184,080	1,481,840		3,064,040	1,452,230	778,380	3,242,850	1,643,440	19,723,230	38,059,140	1,647,860	1,197,350	2,222,650	585,020	4,608,230	5,924,740	500,040	F	500,500	2,503,600	188,160	(8,129,396)	84,433,424			38,697,000	41,695,000	1,414,990	87,806,990		3 990 000	750,000	7,640,000
		<u>OPERATING EXPENDITURES:</u>	Environmental Services	Divisional Administration & Support	Woodward Upgrades	Customer Service & Community Outreach	Outreach & Education	Service Co-ordination	Engineering Systems & Data Collection	Compliance & Regulations	Laboratory Services	Environmental Monitoring & Enforcement	Water Distribution & Wastewater Collection	Plant Operations & Maintenance	Capital Delivery	Sustainable Initiatives	Infrastructure Planning & System Design	Wastewater Abatement Program	Horizon Utilities Service Contract	Corporate & Departmental Support Services	Utilities Arrears Program	Sewer Lateral Management Program	Hamilton Harbour Remedial Action Plan	Protective Plumbing Program (3P)	Financial Charges	Capital and Reserve Recoveries	Sub-Total Environmental Services	Capital and Reserve Impacts on Operating	<u>Contributions to Capital</u>	Water Quality Initiatives	Wastewater		Sub-I otal Contributions to Capital	Contributions for DC Exemptions	Water Quality Iniliariyes Mastewater	Stormwater	Sub-Total Contributions for DC Exemptions

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CITY OF HAMILTON	2017 HAMILTON WATER OPERATING BUDGET	COMBINED WATER, WASTEWATER AND STORN
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	2016	2016	2017	2017	2017	CHANGE		CHANGE	
	RESTATED	PROJECTED	MAINTENANCE	PROGRAM	REQUESTED	2016 PROJECTED ACTUAL	ACTUAL	2017 REQUESTED	TED /
	BUDGET	To Dec. 31 2016	BUDGET	CHANGE	BUDGET	/ 2016 RESTATED BUDGET	BUDGET	2016 RESTATED BUDGET	BUDGET
	Ş	¢	Ş	\$	s	\$	%	Ş	%
Capital Debt Charges									
Water Quality Initiatives	7,399,740	5,391,784	9,925,679	I	9,925,679	2,007,956	27.1%	2,525,939	34.1%
Wastewater	6,944,810	4,601,343	10,130,540	ı	10,130,540	2,343,467	33.7%	3,185,730	45.9%
Stormwater	1,706,590	540,294	2,272,051	ı	2,272,051	1,166,296	68.3%	565,461	33.1%
DC Debt Charges Recoveries	(3,866,744)	(116,726)	(3,647,836)	1	(3,647,836)	(3,750,018)	97.0%	218,908	(2.7%)
Sub-Total Debt Charges	12,184,396	10,416,695	18,680,434		18,680,434	1,767,701	14.5%	6,496,038	53.3%
Sub-Total Capital Financing	107,631,386	105,863,685	109,135,434	ı	109,135,434	1,767,701	1.6%	1,504,048	1.4%
Reserve Transfers	249,270	249,270	1,183,821	(1,069,254)	114,567	,	0.0%	(134,703)	(54.0%)
Sub-Total Capital and Reserve Impacts on Operating	107,880,656	106,112,955	110,319,254	(1,069,254)	109,250,000	1,767,701	1.6%	1,369,344	1.3%
TOTAL EXPENDITURES	192,314,080	189,103,310	200,669,620	T	200,669,620	3,210,770	1.7%	8,355,540	4.3%
REVENUES:									
Rate Revenue Residential	83,262,900	83,134,609	88,104,650	ı	88,104,650	(128,291)	(0.2%)	4,841,750	2.8%

4.0% (.7%) 4.1% 3.5% 15.8% 18.7% (2.3%) (81.9%) 6.8% 8.9% 4.3% 4.4% (%6.1) (15,940) 9,020 15,000 150,000 275,930 (51,500) (618,200) **8,403,750** (225,850) 89,750 87,890 (48,210) 8,355,540 3,797,690 0.0% 21.9% 4.8% (0.5%) (4.3%) (5.2%) 41.7% 21.4% 29.0% 0.1% 0.3% (0.9%) (.2%) 93,213 45,519 (7,920) (93,667) (638,399) (658,399) (14,325) 549,520 210,700 281,994 (20,036) 745,895 3,489,078 278,308 i 98,598,250 2,190,750 228,170 440,000 1,100,000 1,750,850 2,148,500 2,148,500 3,581,800 198,142,970 50,000 1,406,360 1,070,290 2,526,650 200,669,620 1 1 . 1 Т 98,598,250 2,190,750 228,170 440,000 1,100,000 1,750,850 2,148,500 3,581,800 **3,581,800 138,142,970** 50,000 1,406,360 1,070,290 2,526,650 200,669,620 95,082,554 2,186,654 219,150 518,213 995,519 1,467,000 2,106,333 3,561,601 189,271,633 261,525 1,866,130 1,193,100 3,320,755 192,592,388 (3,489,078) 94,800,560 2,206,690 219,150 425,000 950,000 1,474,920 2,200,000 4,200,000 189,739,220 275,850 1,316,610 982,400 192,314,080 2,574,860 Rate Revenue Residential Industrial/Commercial/Institutional/Mutti-res Permits / Leases / Agreements General Fees and Recoveries <u>Non-Rate Revenue</u> Local Improvement Recoveries Sub-Total Non-Rate Revenue Overstrength Agreements Sewer Surcharge Agreements Sub-Total Utility Rates Hauler / 3rd Party Sales NET EXPENDITURES TOTAL REVENUES Non-Metered Private Fire Lines Haldimand Halton

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CITY OF HAMILTON 2017 - 2019 WATER, WASTEWATER AND STORM OPERATING BUDGET COMBINED WATER, WASTEWATER AND STORM

	2016 RESTATED BUDGET	2017 REQUESTED BUDGET	2018 PROJECTED BUDGET	2019 PROJECTED BUDGET	CHANGE 2017 REQUESTED / 2016 RESTATED BUDGET		CHANGE 2018 PROJECTED / 2017 REQUESTED BUDGET	Concentration and a second second	CHANGE 2019 PROJECTED / 2018 PROJECTED BUDGET	red / Budget
OPERATING EXPENDITURES:	↔	\$	\$	\$	\$	%	Ś	%	\$	%
<u>Environmental Services</u> Divisional Administration & Sumont	2 055 440	2 136 RQU	0 000 GQ7	7 267 027	R1 AED	700 1	201 107	2005	020) <u>00</u> c
Woodward Upgrades	1,184,080	1,385,230	1,426,787	1,469,591	201,150	4.0%	41,557	3.0%	90, USU 42, 804	3.0% 3.0%
Customer Service & Community Outreach	1,481,840	581,120	598,554	616,510	(900,720)	(60.8%)	17,434	3.0%	17,957	3.0%
Outreach & Education Service Co-ordination	3 064 040	1,377,780 3 162 RGD	709,557 3 257 777	730,843	1,377,780 or 850	#DIV/0!	(668,223) 04 887	(48.5%)	21,287 07 733	3.0%
Engineering Systems & Data Collection	1,452,230	1,867,620	1,923,649	1,981,358	415,390	3.4 % 28.6%	56.029	3.0%	57.709	3.0%
Compliance & Regulations	778,380	778,990	802,360	826,430	610	0.1%	23,370	3.0%	24,071	3.0%
Laboratory Services	3,242,850	3,685,040	3,795,591	3,909,459	442,190	13.6%	110,551	3.0%	113,868	3.0%
Environmental Monitoring & Enforcement Water Distribution & Wastewater Collection	1,643,440 10 703 730	1,777,770 20 028 825	1,831,103 20,620,600	1,886,036 21 240 500	134,330 305 505	8.2%	53,333 600 865	3.0%	54,933	3.0%
vater Distribution & wastewater Collection Plant Operations & Maintenance	38.059.140	zu,uzo,ozo 42.513.003	20,629,690 43 788 393	21,248,380 45 102 045	303,395 4 453 863	%C.1 11 7%	600,865 1 275 390	3.0% 3.0%	618,891 1 313 652	3.0%
Capital Delivery	1,647,860	1,689,980	1,740,679	1,792,900	42,120	2.6%	50,699	3.0%	52,220	3.0%
Sustainable Initiatives	1,197,350	1,433,626	1,476,635	1,520,934	236,276	0.0%	43,009	3.0%	44,299	3.0%
Infrastructure & Source Water Planning	2,222,650	2,292,860	2,361,646	2,432,495	70,210	3.2%	68,786	3.0%	70,849	3.0%
Wastewater Abatement Program Horizon Utilities Service Contract	585,020 4.608.230	650,000 4.825.000	669,500 4 969,750	689,585 5 118 843	64,980 216 770	11.1% 4 7%	19,500 144 750	3.0% 3.0%	20,085 149 093	3.0%
Corporate & Departmental Support Services	5,924,740	5,571,275	5,661,998	5,755,442	(353,465)	(6.0%)	90.723	1.6%	93.444	1.7%
Utilities Arrears Program	500,040	500,000	500,000	500,000	(40)	(0.0%)		0.0%	1	0.0%
Sewer Lateral Management Program		500,000	515,000	530,450	500,000	#DIV/0i	15,000	3.0%	15,450	3.0%
натитоп нагроиг кетеата Асиол Рал Protective Plumbing Program (3P)	500,500 2.503,600	500,000 2.500,000	515,000 2.575.000	530,450 2 652 250	(500) (3 600)	(0.1%) (0.1%)	15,000 75,000	3.0% 3.0%	15,450 77 250	3.0%
Financial Charges	188,160	267,800	275,834	284,109	79,640	42.3%	8.034	3.0%	8.275	3.0%
Capital and Reserve Recoveries	(8,129,396)	(8,606,080)	(8,864,262)	(9,130,190)	(476,684)	5.9%	(258,182)	3.0%	(265,928)	3.0%
Sub-Total Environmental Services	84,433,424	91,419,619	93,361,235	96,070,657	6,986,195	8.3%	1,941,616	2.1%	2,709,421	2.9%
Capital and Reserve Impacts on Operating										
<u>Contributions to Capital</u> Water Quality Initiatives	38,697,000	58,771,000	45,195,000	38,091,000	20,074,000	51.9%	(13,576,000)	(23.1%)	(7,104,000)	(15.7%)
Wastewater Stormwater	41,695,000	13,325,000	31,037,000	40,761,000	(28,370,000)	(68.0%)	17,712,000	132.9%	9,724,000	31.3%
Sub-Total Contributions to Capital	87,806,990	83,055,000	85,368,000	87,247,000	3,544,010 (4,751,990)	4/.8% (5.4%)	(1,823,000) 2.313.000	(16.6%) 2.8%	(/41,000) 1.879.000	(8.1%) 2.2%
<u>Contributions for DC Exemptions</u> Water Quality Initiatives	000 000 0	2 800 000	2 750 000	000 002 6		(%7 8)	(50,000)	170817		(700 F)
Wastewater	000 066 8	3 870 000	3 800 000	2,725,000	(120,000)	(3,0%)	(200,000)	(0/0/1)	(200,00)	
Stormwater	750,000	730,000	720,000	710,000	(20,000)	(2.7%)	(10,000)	(1.4%)	(10,000)	(4.0%)
Sub-Total Contributions for DC Exemptions	7,640,000	7,400,000	7,270,000	7,135,000	(240,000)	(3.1%)	(130,000)	(1.8%)	(135,000)	(1.9%)
Debt Charges Water Quality Initiatives	7 399 740	9 925 679	15 216 840	21 134 335	7 575 939	34 1%	5 201 160	43 30V	5 017 405	70 8°
Wastewater	6,944,810	10,130,540	16.056.762	23,548,178	3.185.730	45.9%	5,926,222	58.5%	7 491 416	46 7%
Stormwater	1,706,590	2,272,051	5,181,650	8,042,404	565,461	33.1%	2,909,600	128.1%	2,860,753	55.2%
DC Debt Charges Recoveries Sub-Total Debt Charges	(3,866,744)	(3,647,836) 19,680,434	(12,484,358)	(23, 156, 350)	218,908	(5.7%)	(8,836,522)	242.2%	(10,671,991)	85.5%
	0001201	1010000	+00'0 / C'07	100'000'07	0,430,030	00.00	0,430,400	%.C.07	c10'166'6	6.4.67
Sub-Total Capital Financing	107,631,386	109,135,434	116,608,894	123,950,567	1,504,048	1.4%	7,473,460	6.8%	7,341,673	6.3%
Reserve Transfers	249,270	114,567	122,757	137,407	(134,703)	(54.0%)	8,190	7.1%	14,651	11.9%
ous-roud capital and reserve impacts on Operating	107,880,656	109,250,000	116,731,651	124,087,974	1,369,344	1.3%	7,481,650	6.8%	7,356,324	6.3%
TOTAL EXPENDITURES	192,314,080	200,669,620	210,092,886	220,158,631	8,355,540	4.3%	9,423,266	4.7%	10,065,745	4.8%

Appendix "A" to Report FCS16079 Page 3 of 5

CITY OF HAMILTON 2017 - 2019 WATER, WASTEWATER AND STORM OPERATING BUDGET **COMBINED WATER, WASTEWATER AND STORM**

	2016	2017	2018	2019	CHANGE		CHANGE		CHANGE	
	RESTATED	REQUESTED	PROJECTED	PROJECTED	2017 REQUESTED	TED/	2018 PROJECTED	TED /	2019 PROJECTED	ED /
	BUDGET	BUDGET	BUDGET	BUDGET	2016 RESTATED BUDGET	212340207 636363660	2017 REQUESTED BUDGET	1977 - TA 44	2018 PROJECTED BUDGET	BUDGET
	\$	θ	67	\$	\$	%	÷	%	\$	%
<u>REVENUES:</u>										
Rate Revenue										
Residential	83,262,900	88,104,650	92,860,605	98,036,337	4,841,750	5.8%	4,755,955	5.4%	5,175,732	5.6%
Industrial/Commercial/Institutional/Multi-res	94,800,560	98,598,250	102,918,991	107,435,884	3,797,690	4.0%	4,320,741	4.4%	4,516,893	4.4%
Haldimand	2,206,690	2,190,750	2,196,299	2,197,759	(15,940)	(0.7%)	5,549	0.3%	1,460	0.1%
Halton	219,150	228,170	237,457	247,432	9,020	4.1%	9,287	4.1%	9,975	4.2%
Non-Metered	425,000	440,000	440,000	460,000	15,000	3.5%	1	0.0%	20,000	4.5%
Private Fire Lines	950,000	1,100,000	1,133,000	1,166,990	150,000	15.8%	33,000	3.0%	33,990	3.0%
Hauler / 3rd Party Sales	1,474,920	1,750,850	1,803,376	1,857,477	275,930	18.7%	52,526	3.0%	54,101	3.0%
Overstrength Agreements	2,200,000	2,148,500	2,212,955	2,279,344	(51,500)	(2.3%)	64,455	3.0%	66,389	3.0%
Sewer Surcharge Agreements	4,200,000	3,581,800	3,689,254	3,799,932	(618,200)	(14.7%)	107,454	3.0%	110,678	3.0%
Sub-Total Utility Rates	189,739,220	198,142,970	207,491,937	217,481,154	8,403,750	4.4%	9,348,967	4.7%	9,989,217	4.8%
Non-Rate Revenue										
Local Improvement Recoveries	275,850	50,000	50,000	50,000	(225,850)	(81.9%)	ı	0.0%		0.0%
Permits/Leases/Agreements	1,316,610	1,406,360	1,448,550	1,492,007	89,750	6.8%	42,191	3.0%	43,457	3.0%
General Fees and Recoveries	982,400	1,070,290	1,102,399	1,135,471	87,890	8.9%	32,109	3.0%	33,072	3.0%
Sub-Total Non-Rate Revenue	2,574,860	2,526,650	2,600,949	2,677,478	(48,210)	(%6-1)	74,299	2.9%	76,528	2.9%
TOTAL REVENUES	192,314,080	200,669,620	210,092,886	220,158,631	8,355,540	4.3%	9,423,266	4.7%	10,065,745	4.8%

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NET EXPENDITURES

CITY OF HAMILTON 2017-2026 WATER WASTEWATER & STORM OPERATING RUDGET	COMBINED WATER, WASTEWATER AND STORM	(\$ 000(S)
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	2016	2047	2048	1 0100	1 0606	1000	6606		100	1005	2076
	Restated	Requested	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	80,933	86,920	88,726	91,297	93,208	93,579	101,537	107,233	110,600	114,068	117,640
BIO-SOLIDS	3,500	4,500	4,635	4,774	3,245	3,342	3,442	3,546	3,652	3,762	3,875
TOTAL OPERATING COSTS	- 84.433	91.420	93.361	- 96.071	2,500	5,000 101 921	5,000 109 979	5,000 115,778	5,000 119 252	5,000 122 829	5,000 126 514
CAPITAL & RESERVE IMPACTS ON OPERATING	ERATING										
Contributions to Capital											
Water	38,697	58,771	45,195	38,091	35,329	45,084	68,799	62,999	67,166	50,159	42,052
Wastewater	41,695	13,325	31,037	40,761	48,580	43,922 6 655	23,852	33,552 7 265	36,312	61,552 6.005	77,182
Sub-total Contributions to Capital	87,807	83,055	85,368	87,247	90,334	95,661	99,726	103,816	110,543	117,806	124,609
Contributions for DC Exemptions											
Water	2,900	2,800	2,750	2,700	2,650	2,600	2,550	2,500	2,500	2.500	2.500
Wastewater	3,990	3,870	3,800	3,725	3,650	3,600	3,525	3,450	3,450	3,450	3,450
Stormwater	750	730	720	710	200	690	680	670	670	670	670
Sub-total Contributions to Capital	7,640	7,400	7,270	7,135	7,000	6,890	6,755	6,620	6,620	6,620	6,620
Debt Charges											
Water	7,400	9,926	15,217	21,134	25,510	27,249	27,786	27,898	28,262	29,061	29,981
Wastewater	6,945	10,131	16,057	23,548	28,872	30,630	30,557	30,367	30,375	30,630	30,886
Stormwater DC Deht Charries Decoveries	1,/1/	2/2/2	70,782	8,042 -23 156	9,009 20 624	10,068 24 200	10,395	10,721	11,021	11,321	11,622 27 660
Sub-total Debt Charges	12,184	18.680	23,971	29.569	34.427	36.568	36.455	36.054	35.648	35.241	34.838
Reserve Transfers	549	115	123	137	152	123	153	378	72	353	1 104
City Total Control of Decomposition			2	2	8	222	8	222	5	<u></u>	1, 134
Sub-1 otal Capital & Reserve Impacts on Onerating	107 001	100 250	446 733	000 101	434 04E	120 252	000 677	116 060	167 015		167 760
TOTAL EXPENDITURES	192,314	200,670	210,093	220,159	230,867	241,173	253,068	262,646	272,097	282,849	293,775
REVENUES											
Residential	83,263	88,105	92,861	98,036	103,315	108,635	114,115	118,783	123,680	128,864	134,730
Industrial/Commercial/Institutional/Multi-res	94,801	98,598	102,919	107,436	112,349	116,861	122,732	127,148	131,184	136,197	140,711
Haldimand	2,207	2,191	2,196	2,198	2,329	2,410	2,545	2,624	2,715	2,829	2,921
Halton	219	228	237	247	260	269	282	291	300	312	323
Non-Metered	425	440	440	460	480	500	520	540	560	580	600
Private Fire Lines	950	1,100	1,133	1,167	1,202	1,238	1,275	1,313	1,353	1,393	1,435
Hauler / 3rd Party Sales	1,475	1,751	1,803	1,857	1,913	1,971	2,030	2,091 2,665	2,153	2,218	2,284
Sewer Surcharge Agreements	4.200	3.582	3.689	3.800	3.914	4.031	4,152	4,277	4,042	4,537	4,673
Non-Rate Revenue	2,575	2,527	2,601	2,677	2,758	2,841	2,926	3,014	3,104	3,197	3,293
TOTAL REVENUES	192,314	200,670	210,093	220,159	230,867	241,173	253,068	262,646	272,097	282,849	293,775
NET EXPENDITURES	0	0	0	0	0	0	0	0	0	0	. 0
Rate Increase	4.74%	4.85%	4.50%	4.66%	4.50%	4.26%	4.23%	3.28%	3.27%	3.39%	3.69%
RESIDENTIAL BILL (200m ³ p.a.)	\$ 630.35	\$ 660.95 \$	690.70	\$ 722.90	\$ 755.45	\$ 787.65	\$ 820.95	\$ 847.85	\$ 875.60	\$ 905.30	\$ 938.70
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