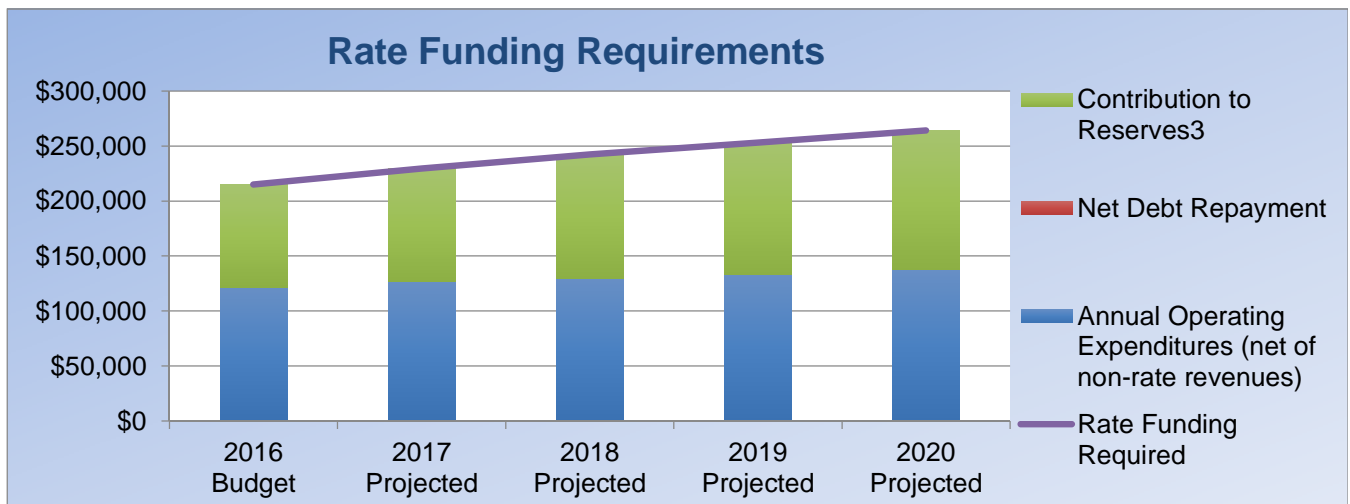




## Wastewater - Embro Rates 2017 to 2020

Expenditures					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Operating Expenditures<sup>1</sup></b>					
Annual Operating Expenditures (net of non-rate revenues)	\$121,655	\$126,682	\$129,784	\$133,588	\$137,476
Net Debt Repayment	-	-	-	-	-
<b>Total</b>	<b>121,655</b>	<b>126,682</b>	<b>129,784</b>	<b>133,588</b>	<b>137,476</b>
<b>Asset Replacement Reserve Contribution</b>					
Capital Replacement Requirements (AMP)	104,768	106,863	109,000	111,180	113,404
<b>Contribution to Reserves<sup>3</sup></b>	<b>93,281</b>	<b>102,833</b>	<b>112,563</b>	<b>119,429</b>	<b>126,619</b>
<b>DC Past Projects</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Rate Funding Required</b>	<b>\$214,936</b>	<b>\$229,515</b>	<b>\$242,347</b>	<b>\$253,017</b>	<b>\$264,095</b>
		7%	6%	4%	4%



Capital Expenditures					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Total Gross Capital Expenditures</b>	16,945	381	-	-	-
<b>Less: Debentures</b>	-	-	-	-	-
<b>Less: Funding from Other Sources<sup>2</sup></b>	-	-	-	-	-
<b>Funding from Reserves</b>	<b>\$16,945</b>	<b>\$381</b>	-	-	-

<sup>1</sup> Based on 2016 budget; Existing and proposed debenture requirements as related to 2016 capital budget; Net debt repayment includes gross debt repayment less recoveries from resident and related development charges

<sup>2</sup> Sources include CSAP, customer or developer contributions, DC charges

<sup>3</sup> Reserve contribution is split between unfinanced capital repayment/CSAP loan and reserves until unfunded debt has been financed



## Wastewater - Embro Rates 2017 to 2020

User Rates				
	2017 Projected <sup>1</sup>	2018 Projected	2019 Projected	2020 Projected
<b>Flat Rate Structure</b>				
Total Annual Revenue from Flat Rate	34,896	-	-	-
<b>Metered Rate Structure</b>				
Total Annual Fixed Revenue	143,311	179,523	187,944	196,709
Total Annual Consumption Based Revenue	51,308	62,823	65,072	67,386
<i>Fixed as % of Total Revenues</i>	77.6%	74.1%	74.3%	74.5%
<i>Consumption as % of Total Revenues</i>	22.4%	25.9%	25.7%	25.5%

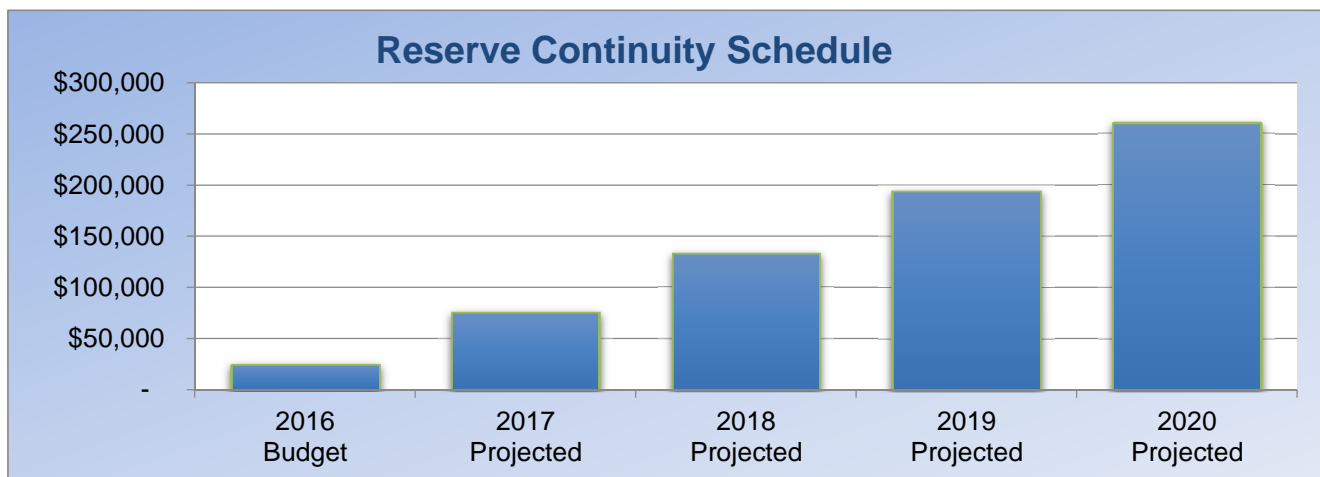
	2016 Budget	2017 Projected <sup>1</sup>	2018 Projected	2019 Projected	2020 Projected
<b>Charge Per Typical Flat to Metered House (170m3/year)</b>					
Fixed Charge	715	572	589	607	625
Consumption Charge	-	191	195	198	202
<b>Annual Charge</b>	<b>\$715</b>	<b>\$763</b>	<b>\$784</b>	<b>\$806</b>	<b>\$828</b>
<i>Annual Increase (%)</i>		6.8%	2.7%	2.8%	2.8%
<b>Charge Per Typical Metered House (170m3/year)</b>					
Fixed Charge	409	572	589	607	625
Consumption Charge	187	191	195	198	202
<b>Annual Charge</b>	<b>\$596</b>	<b>\$763</b>	<b>\$784</b>	<b>\$806</b>	<b>\$828</b>
<i>Annual Increase (%)</i>		28.1%	2.7%	2.8%	2.8%
<b>Charge Per Typical Commercial (618m3/month)</b>					
Fixed Charge (2" meter)	1,185	1,660	1,709	1,761	1,813
Consumption Charge	9,833	10,030	10,230	10,435	10,644
<b>Annual Charge</b>	<b>\$11,018</b>	<b>\$11,690</b>	<b>\$11,939</b>	<b>\$12,196</b>	<b>\$12,457</b>
<i>Annual Increase (%)</i>		6.1%	2.1%	2.1%	2.1%
<b>Charge Per Typical Industrial (2500m3/month)</b>					
Fixed Charge (3" meter)	4,496	6,295	6,484	6,678	6,878
Consumption Charge	36,334	37,060	37,801	38,558	39,329
<b>Annual Charge</b>	<b>\$40,830</b>	<b>\$43,355</b>	<b>\$44,285</b>	<b>\$45,236</b>	<b>\$46,207</b>
<i>Annual Increase (%)</i>		6.2%	2.1%	2.1%	2.1%
<b>Charge Per Typical Industrial (10000m3/month)</b>					
Fixed Charge (6" meter)	8,584	12,017	12,378	12,749	13,132
Consumption Charge	139,834	142,630	145,483	148,393	151,360
<b>Annual Charge</b>	<b>\$148,418</b>	<b>\$154,647</b>	<b>\$157,861</b>	<b>\$161,142</b>	<b>\$164,492</b>
<i>Annual Increase (%)</i>		4.2%	2.1%	2.1%	2.1%

<sup>1</sup> 2017 Rates are anticipated to take effect March 1, 2017; 2016 are held over until then; Actual charges will vary



## Wastewater - Embro Rates 2017 to 2020

Reserve Continuity Schedule					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Opening Balance</b>	-	\$24,152	\$75,514	\$132,815	\$194,322
Interest Allocation	-	326	1,019	1,793	2,623
Transfer to Reserves	41,097	51,417	56,281	59,714	63,309
Transfer from Reserves	(16,945)	(381)	-	-	-
<b>Net Contribution to (from) Reserves</b>	<b>\$24,152</b>	<b>\$51,362</b>	<b>\$57,301</b>	<b>\$61,507</b>	<b>\$65,933</b>
<b>Closing Balance</b>	<b>\$24,152</b>	<b>\$75,514</b>	<b>\$132,815</b>	<b>\$194,322</b>	<b>\$260,255</b>



Unfinanced Capital - System Deficit					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Opening Balance</b>	\$11,086	-	-	-	-
Transfer (to)/from operating for system deficit	(11,086)	-	-	-	-
<b>Closing Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Unfinanced Capital - Capital Projects					
	2016 Budget	2017 Projected	2018 Projected	2019 Projected	2020 Projected
<b>Opening Balance</b>	\$2,640,527	\$1,799,430	\$1,685,513	\$1,231,732	\$774,518
Transfers to Unfinanced Capital - Growth	-	(62,500)	(62,500)	(62,500)	(62,500)
Transfers to Unfinanced Capital - Reserves	(41,097)	(51,417)	(56,281)	(59,714)	(63,309)
CSAP Loan Proceeds	(800,000)	-	(335,000)	(335,000)	(335,000)
<b>Closing Balance</b>	<b>\$1,799,430</b>	<b>\$1,685,513</b>	<b>\$1,231,732</b>	<b>\$774,518</b>	<b>\$313,708</b>



## Wastewater - Embro Rates 2017 to 2020

	2016 Rates	2017 Proposed Rates	2018 Proposed Rates	2019 Proposed Rates	2020 Proposed Rates
<b>Metered Structure</b>					
<b>1) Consumption - Charge per cubic meter</b>					
<b>a) County</b>					
0-15 cubic metres/month	\$1.10	\$1.12	\$1.14	\$1.17	\$1.19
16-45 cubic metres/month	\$1.43	\$1.46	\$1.49	\$1.52	\$1.55
46-850 cubic metres/month	\$1.54	\$1.57	\$1.60	\$1.63	\$1.67
851 + cubic metres/month	\$1.32	\$1.35	\$1.37	\$1.40	\$1.43
<i>Increase (%)</i>		2.0%	2.0%	2.0%	2.0%
<b>b) County - ICI</b>					
0-15 cubic metres/month	\$0.96	\$0.98	\$1.00	\$1.02	\$1.04
16-45 cubic metres/month	\$1.24	\$1.26	\$1.29	\$1.32	\$1.34
46-850 cubic metres/month	\$1.34	\$1.37	\$1.39	\$1.42	\$1.45
851 + cubic metres/month	\$1.15	\$1.17	\$1.20	\$1.22	\$1.24
<i>Increase (%)</i>		2.0%	2.0%	2.0%	2.0%
<b>2) Fixed Charge - Charge per cubic meter</b>					
Less than 1"	\$34.06	\$47.68	\$49.11	\$50.59	\$52.11
Less than 1" - ICI	-	-	-	-	-
1"	\$47.69	\$66.77	\$68.77	\$70.83	\$72.96
1 1/2"	\$61.31	\$85.83	\$88.41	\$91.06	\$93.79
2"	\$98.78	\$138.29	\$142.44	\$146.71	\$151.12
3"	\$374.69	\$524.57	\$540.30	\$556.51	\$573.21
4"	\$476.88	\$667.63	\$687.66	\$708.29	\$729.54
6"	\$715.32	\$1,001.45	\$1,031.49	\$1,062.44	\$1,094.31
8"	-	-	-	-	-
Greater than 10"	-	-	-	-	-
<i>Increase (%)</i>		40.0%	3.0%	3.0%	3.0%
<b>Flat Structure</b>					
Monthly Fee <sup>1</sup>	\$59.55	\$120.00	\$122.40	\$124.85	\$127.34
<i>Increase (%)</i>		101.5%	2.0%	2.0%	2.0%
Special Circumstances Customer <sup>2</sup>	\$70.00	\$70.00	\$71.40	\$72.83	\$74.28
<i>Increase (%)</i>		0.0%	2.0%	2.0%	2.0%

<sup>1</sup> Customers who have not had a water meter installed shall have a flat rate charge in accordance with By-Law 5846-2016 (rate increase effective in 2017)

<sup>2</sup> As approved by the Director of Public Works; 2016 rate in accordance with By-Law 5846-2016

\* Special agreements may be in place for large meter sizes