

Ratebase & Revenue Requirement

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	
Capital structure																					
Debt	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	
Equity	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	
Capital costs																					
Cost of debt	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	
Cost of equity	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	
Tax rate																					
Before tax WACC	6.285%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	
After tax WACC	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	
Rate Base																					
Rate base																					
Balance, beginning	0	1,442,092	1,409,718	1,377,345	1,344,971	1,312,597	1,280,223	1,247,849	1,215,476	1,183,102	1,150,728	1,118,354	1,085,980	1,053,607	1,021,233	988,859	956,485	924,111	891,738	859,364	
+ Cap. Exp after customer contributions	1,458,279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+ Working capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Depreciation	(16,187)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	
Balance, ending	1,442,092	1,409,718	1,377,345	1,344,971	1,312,597	1,280,223	1,247,849	1,215,476	1,183,102	1,150,728	1,118,354	1,085,980	1,053,607	1,021,233	988,859	956,485	924,111	891,738	859,364	826,990	
Average Investments																					
- Future Income taxes	721,046	1,425,905	1,393,531	1,361,158	1,328,784	1,296,410	1,264,036	1,231,662	1,199,289	1,166,915	1,134,541	1,102,167	1,069,793	1,037,420	1,005,046	972,672	940,298	907,925	875,551	843,177	
Rate Base - Total	721,046	1,425,905	1,393,531	1,361,158	1,328,784	1,296,410	1,264,036	1,231,662	1,199,289	1,166,915	1,134,541	1,102,167	1,069,793	1,037,420	1,005,046	972,672	940,298	907,925	875,551	843,177	
Revenue Requirement (Cost of Service basis)																					
Return on Rate Base																					
Debt	19,068	37,708	36,852	35,996	35,140	34,284	33,427	32,571	31,715	30,859	30,003	29,147	28,291	27,435	26,579	25,723	24,867	24,011	23,155	22,299	
Equity	26,246	51,903	50,725	49,546	48,368	47,189	46,011	44,833	43,654	42,476	41,297	40,119	38,940	37,762	36,584	35,405	34,227	33,048	31,870	30,692	
RoRB	122.587	45.314	89.611	87.576	85.542	83.507	81.473	79.438	77.404	75.369	73.335	71.300	69.266	67.231	65.197	63.162	61.128	59.093	57.059	55.024	52.989
+ Gas costs (1-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+ O&M(1-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Depreciation	16,187	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	32,374	
+ Municipal tax(1-1)	7,906	7,729	7,551	7,374	7,196	7,019	6,841	6,664	6,486	6,309	6,131	5,954	5,776	5,599	5,421	5,244	5,066	4,889	4,711	4,534	
+ Capital tax(1-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+ Large corporate tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+ Future Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- CCA Tax Shield	(11,646)	(22,593)	(21,237)	(19,963)	(18,765)	(17,639)	(16,581)	(15,586)	(14,651)	(13,772)	(12,946)	(12,169)	(11,439)	(10,752)	(10,107)	(9,501)	(8,931)	(8,395)	(7,891)	(7,418)	
- Interest Tax Shield	(5,129)	(10,143)	(9,913)	(9,683)	(9,453)	(9,222)	(8,992)	(8,762)	(8,531)	(8,301)	(8,071)	(7,840)	(7,610)	(7,380)	(7,150)	(6,919)	(6,689)	(6,459)	(6,228)	(5,998)	
Revenue Requirement without Tax	52,632	96,977	96,351	95,644	94,860	94,004	93,081	92,094	91,047	89,944	88,789	87,584	86,332	85,037	83,700	82,325	80,914	79,468	77,990	76,481	
Revenue Requirement before Tax	72,000	132,664	131,807	130,839	129,767	128,596	127,333	125,983	124,551	123,043	121,462	119,814	118,102	116,330	114,501	112,620	110,689	108,711	106,689	104,626	
CHECKS																					
Income Taxes																					
Revenue Requirement	72,000	132,664	131,807	130,839	129,767	128,596	127,333	125,983	124,551	123,043	121,462	119,814	118,102	116,330	114,501	112,620	110,689	108,711	106,689	104,626	
- Gas costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Operating Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Municipal tax	(10,816)	(10,573)	(10,330)	(10,087)	(9,844)	(9,602)	(9,359)	(9,116)	(8,873)	(8,630)	(8,388)	(8,145)	(7,902)	(7,659)	(7,416)	(7,174)	(6,931)	(6,688)	(6,445)	(6,202)	
- Capital tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- CCA	(43,293)	(83,988)	(78,949)	(74,212)	(69,759)	(65,574)	(61,639)	(57,941)	(54,465)	(51,197)	(48,125)	(45,237)	(42,523)	(39,972)	(37,573)	(35,319)	(33,200)	(31,208)	(29,335)	(27,575)	
- Interest	(19,068)	(37,708)	(36,852)	(35,996)	(35,140)	(34,284)	(33,427)	(32,571)	(31,715)	(30,859)	(30,003)	(29,147)	(28,291)	(27,435)	(26,579)	(25,723)	(24,867)	(24,011)	(23,155)	(22,299)	
Taxable Income	(1,176)	395	5,676	10,544	15,024	19,137	22,907	26,355	29,498	32,357	34,947	37,285	39,386	41,264	42,933	44,405	45,692	46,805	47,754	48,550	
Income Tax Payable	(316)	106	1,527	2,836	4,041	5,148	6,162	7,089	7,935	8,704	9,401	10,030	10,595	11,100	11,549	11,945	12,291	12,591	12,846	13,060	
Proof for %RoRB																					
Revenue Requirement	72,000	132,664	131,807	130,839	129,767	128,596	127,333	125,983	124,551	123,043	121,462	119,814	118,102	116,330	114,501	112,620	110,689	108,711	106,689	104,626	
- Gas costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Depreciation	(16,187)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	
EBIT	55,813	100,290	99,433	98,466	97,393	96,222	94,959	93,609	92,178	90,669	89,089	87,440	85,728	83,956	82,128	80,246	78,315	76,337	74,315	72,252	
- Municipal taxes	(10,816)	(10,573)	(10,330)	(10,087)	(9,844)	(9,602)	(9,359)	(9,116)	(8,873)	(8,630)	(8,388)	(8,145)	(7,902)	(7,659)	(7,416)	(7,174)	(6,931)	(6,688)	(6,445)	(6,202)	
- Capital Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Large corporate tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
- Income Tax	316	(106)	(1,527)	(2,836)	(4,041)	(5,148)	(6,162)	(7,089)	(7,935)	(8,704)	(9,401)	(10,030)	(10,595)	(11,100)	(11,549)	(11,945)	(12,291)	(12,591)	(12,846)	(13,060)	
- Future Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RoRB	45.314	89.611	87.576	85.542	83.507	81.473	79.438	77.404	75.369	73.335	71.300	69.266	67.231	65.197	63.162	61.128	59.093	57.059	55.024	52.989	
%RoRB	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	
Proof for %RoE																					
Revenue Requirement	72,000	132,664	131,807	130,839	129,767	128,596	127,333	125,983	124,551	123,043	121,4										

Ratebase & Revenue Requirement

	Year 40	Year 41	Year 42	Year 43	Year 44	Year 45	Year 46	Year 47	Year 48	Year 49	Year 50	Year 51	Year 52	Year 53	Year 54	Year 55
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
Capital structure																
Debt	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Equity	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Capital costs																
Cost of debt	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%	4.41%
Cost of equity	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%
Tax rate																
Before tax WACC	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%	26.90%
After tax WACC	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%
	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%	5.57%
Rate Base																
Rate base																
Balance, beginning	211,888	179,514	147,140	114,767	82,393	50,019	17,645	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
+ Cap. Exp after customer contributions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Working capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Depreciation	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(17,645)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Balance, ending	179,514	147,140	114,767	82,393	50,019	17,645	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Average Investments	195,701	163,327	130,953	98,580	66,206	33,832	8,823	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
- Future Income taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rate Base - Total	195,701	163,327	130,953	98,580	66,206	33,832	8,823	(0)								
Revenue Requirement (Cost of Service basis)																
Return on Rate Base																
Debt	5,175	4,319	3,463	2,607	1,751	895	233	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Equity	7,124	5,945	4,767	3,588	2,410	1,231	321	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
RoRB	122,587	122,999	102,664	82,300	61,955	41,611	21,266	554	(0)							
+ Gas costs (1-t)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ O&M(1-t)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Depreciation	32,374	32,374	32,374	32,374	32,374	32,374	17,645	0	0	0	0	0	0	0	0	0
+ Municipal tax(1-t)	984	807	629	452	274	97	0	0	0	0	0	0	0	0	0	0
+ Capital tax(1-t)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Large corporate tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Future Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- CCA Tax Shield	(2,152)	(2,023)	(1,901)	(1,787)	(1,680)	(1,579)	(1,485)	(1,395)	(1,312)	(1,233)	(1,159)	(1,090)	(1,024)	(963)	(905)	(851)
- Interest Tax Shield	(1,392)	(1,162)	(932)	(701)	(471)	(241)	(63)	0	0	0	0	0	0	0	0	0
Revenue Requirement without Tax	42,113	40,260	38,400	36,532	34,658	32,777	16,652	(1,395)	(1,312)	(1,233)	(1,159)	(1,090)	(1,024)	(963)	(905)	(851)
Revenue Requirement before Tax	57,610	55,075	52,530	49,976	47,411	44,838	22,780	(1,909)	(1,794)	(1,687)	(1,586)	(1,490)	(1,401)	(1,317)	(1,238)	(1,164)
CHECKS																
Income Taxes																
Revenue Requirement	57,610	55,075	52,530	49,976	47,411	44,838	22,780	(1,909)	(1,794)	(1,687)	(1,586)	(1,490)	(1,401)	(1,317)	(1,238)	(1,164)
- Gas costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Operating Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Municipal tax	(1,346)	(1,104)	(861)	(618)	(375)	(132)	0	0	0	0	0	0	0	0	0	0
- Capital tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- CCA	(8,000)	(7,520)	(7,069)	(6,644)	(6,246)	(5,871)	(5,519)	(5,188)	(4,876)	(4,584)	(4,309)	(4,050)	(3,807)	(3,579)	(3,364)	(3,162)
- Interest	(5,175)	(4,319)	(3,463)	(2,607)	(1,751)	(895)	(233)	0	0	0	0	0	0	0	0	0
Taxable Income	43,088	42,133	41,138	40,106	39,040	37,940	17,028	(7,097)	(6,671)	(6,271)	(5,894)	(5,541)	(5,208)	(4,896)	(4,602)	(4,326)
Income Tax Payable	11,591	11,334	11,066	10,789	10,502	10,206	4,581	(1,909)	(1,794)	(1,687)	(1,586)	(1,490)	(1,401)	(1,317)	(1,238)	(1,164)
Proof for %RoRB																
Revenue Requirement	57,610	55,075	52,530	49,976	47,411	44,838	22,780	(1,909)	(1,794)	(1,687)	(1,586)	(1,490)	(1,401)	(1,317)	(1,238)	(1,164)
- Gas costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Depreciation	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(17,645)	0	0	0	0	0	0	0	0	0
EBIT	25,236	22,702	20,157	17,602	15,037	12,464	5,135	(1,909)	(1,794)	(1,687)	(1,586)	(1,490)	(1,401)	(1,317)	(1,238)	(1,164)
- Municipal taxes	(1,346)	(1,104)	(861)	(618)	(375)	(132)	0	0	0	0	0	0	0	0	0	0
- Capital Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Large corporate tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Income Tax	(11,591)	(11,334)	(11,066)	(10,789)	(10,502)	(10,206)	(4,581)	1,909	1,794	1,687	1,586	1,490	1,401	1,317	1,238	1,164
- Future Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RoRB	12,299	10,264	8,230	6,195	4,161	2,126	554	(0)								
%RoRB	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	6.28%	5.83%	6.67%	6.67%	6.25%	6.25%	6.25%	6.67%	6.67%	6.25%
Proof for %RoE																
Revenue Requirement	57,610	55,075	52,530	49,976	47,411	44,838	22,780	(1,909)	(1,794)	(1,687)	(1,586)	(1,490)	(1,401)	(1,317)	(1,238)	(1,164)
Less:																
- Gas costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Operating Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Depreciation	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(32,374)	(17,645)	0	0	0	0	0	0	0	0	0
EBIT	25,236	22,702	20,157	17,602	15,037	12,464	5,135	(1,909)	(1,794)	(1,687)	(1,586)	(1,490)	(1,401)	(1,317)	(1,238)	(1,164)
- Interest	(5,175)	(4,319)	(3,463)	(2,607)	(1,751)	(895)	(233)	0	0	0	0	0	0	0	0	0
- Municipal tax	(1,346)	(1,104)	(861)	(618)	(375)	(132)	0	0	0	0	0	0	0	0	0	0
- Capital taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Large corporate tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Income Tax	(11,591)	(11,334)	(11,066)	(10,789)	(10,502)	(10,206)	(4,581)	1,909	1,794	1,687	1,586	1,490	1,401	1,317	1,238	1,164
- Future Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RoE	7,124	5,945	4,767	3,588	2,410	1,231	321	(0)								
Incremental Equity	78,280	65,311	52,381	39,432	26,482	13,533	3,529	(0)								
%RoE	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	9.10%	8.33%	10.42%	10.42%	9.38%	9.38%	9.38%	10.42%	10.42%	9.38%