				Table	1							
			Water Rate Co	mparison of Se		/ater Utilitie	s					
				as of May								
	SPU (for Shoreline residents) 1/1/12	SPU (for Shoreline residents) 1/1/13	SPU (for Shoreline residents) 1/1/14	SPU (for Seattle residents)	Tacoma	Everett	Bellevue	Bothell	Edmonds	Shoreline WD	Lake Forest Park WD	Northshore UD
Residential Charges	1/1/12	1/1/15	1/1/14	residentsj	Taconna	Lverett	Dellevue	Dotnen	Lumonus	Shoreline WD	WD	Northshore OD
Monthly Charge per meter (3/4")	\$16.05	\$16.35	\$16.70	\$13.25	\$25.15	\$32.04	\$29.61	\$10.51	\$20.60	\$37.95	\$37.00	\$30.00
Peak and Off-Peak variable charges (\$/CCF)	<i></i>		<i></i>		<i>423.13</i>	<i>452.04</i>	<i>725.01</i>	<i></i>	<i></i>	<i>457.55</i>	<i></i>	<i>\$30.00</i>
Off-peak per CCF Peak Up to 5 CFF Peak Next 13 CCF Peak Over 18 CCF	\$4.90 \$5.26 \$6.25 \$14.31	\$5.46 \$5.74 \$6.94 \$14.31	\$6.05 \$6.22 \$7.69 \$14.31	\$4.04 \$4.34 \$5.15 \$11.80	\$1.368 \$1.368 \$1.710 \$1.710	\$2.67 \$2.67 \$2.67 \$2.67			\$2.14 \$2.14 \$2.14 \$2.14		\$3.00 \$3.00 \$3.00 \$3.00 \$3.00	
Year-round variable charges (\$/CCF)	,14.51	,514.51	Ş14.51	Ş11.60	Ş1.710	Ş2.07	<u> </u>	 	Ş2.14	<u> </u>	Ş3.00	
Up to 20 CCF 21 to 30 CCF 31 to 100 CCF Over 100 CCF							\$2.96 \$4.08 \$5.23 \$7.79					
Up to 5 CCF							\$1.15	\$2.07				
6 to 10 CCF 11 to 15 CCF 16 to 25 CCF								\$3.03 \$3.91 \$4.98				
Over 25 CCF Up to 10 CCF							ļ	\$5.68		\$2.63	 	
11 to 24 CCF Over 24 CCF										\$2.63 \$4.02 \$5.42		
Up to 12 CCF 13 to 15 CCF 16 to 23 CCF Over 23 CCF												\$2.75 \$3.25 \$4.00 \$5.00
Commercial Charges												
Monthly Charge Per Meter (1")	\$16.30	\$16.85	\$17.20	\$13.40	\$41.91	\$53.40	\$52.40	\$31.97	\$50.71	\$34.73	\$68.00	\$60.00
Peak and Off-Peak variable charges (\$/CCF) Off-peak per CCF Peak per CCF	\$4.39 \$5.62	\$5.46 \$6.94	\$6.05 \$7.69	\$3.62 \$4.63			\$3.01 \$4.22					
Year-round variable charges (\$/CCF) Up to 20 CCF 21 to 25 CCF 26 to 33 CCF Over 33 CCF	<i>\$5.02</i>		<i></i>	÷	<i></i>				<i>¥</i> 2.14	، د.رې		\$3.55 \$3.70 \$3.85 \$4.05
21 to 60 CCF 61 to 300 CCF Over 300 CCF						\$2.67 \$1.86 \$1.24						

	Table 2 Annual Bill Comparison of Seattle-Area Utilities														
	SPU														
		SPU Shoreline													
	residents	residents	residents	SPU Seattle							Lake Forest				
	1/1/12	1/1/13	1/1/14	residents	Tacoma	Everett	Bellevue	Bothell	Edmonds	Shoreline WD	Park WD	Northshore UD			
Residential															
Basic Charge Bill (12 months)	\$192.60	\$196.20	\$200.40	\$159.00	\$301.80	\$384.48	\$355.32	\$126.12	\$247.20	\$455.40	\$444.00	\$360.00			
Off-peak bill (8 months at 5.4 CCF/mo)	\$211.68	\$235.87	\$261.36	\$174.53	\$59.10	\$115.34	\$127.87	\$130.90	\$92.45	\$113.62	\$129.60	\$118.80			
On-peak bill (4 months at 8.2 CCF/mo)	\$185.20	\$203.63	\$222.83	\$168.92	\$56.09	\$87.58	\$97.09	\$99.38	\$70.19	\$86.26	\$98.40	\$90.20			
TOTAL ANNUAL RESIDENTIAL BILL	\$589.48	\$635.70	\$684.59	\$502.45	\$416.99	\$587.40	\$580.28	\$356.40	\$409.84	\$655.28	\$672.00	\$569.00			
Commercial															
Basic Charge Bill (12 months)	\$195.60	\$202.20	\$206.40	\$160.80	\$502.92	\$640.80	\$628.80	\$383.64	\$608.52	\$416.76	\$816.00	\$720.00			
Off-peak bill (8 months at 42.4 CCF/mo)	\$1,489.09	\$1,852.03	\$2,052.16	\$1,227.90	\$507.78	\$905.66	\$1,020.99	\$841.22	\$725.89	\$1,177.02	\$1,017.60	\$1,373.76			
On-peak bill (4 months at 75.7 CCF/mo)	\$1,701.74	\$2,101.43	\$2,328.53	\$1,401.96	\$453.29	\$563.21	\$1,277.82	\$1,283.87	\$647.99	\$1,050.72	\$908.40	\$1,226.34			
TOTAL ANNUAL COMMERCIAL BILL	\$3,386.42	\$4,155.66	\$4,587.09	\$2,790.67	\$1,463.99	\$2,109.67	\$2,927.61	\$2,508.73	\$1,982.40	\$2,644.50	\$2,742.00	\$3,320.10			

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
Soparation Cost							
Separation Cost Option:	B3	\$8,542,269	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5	55	<i>\$0,342,203</i>	\$3,530,300	LUIL	2020	-	Eng heport rusic /
Upfront Costs		\$11,930,190	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518	2012	2020		Fue Deviet Table 44
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing				
			· · · · ·				
Conversion Collection		Colostad	Daga	Laur	lliab		
Scenario Selection Escalation of Retail Rates	Base	Selected 5.0%	Base 5.0%	Low 3.0%	High 7.0%		
Escalation of Wholesale Rates	Ваѕе	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.5%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
0							
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0		Shore	line Water S	System Financial Analysis Appendix I

Shoreline Muncipal Water Utility - Updated Base Case Average annual billed consumption for all retail services in the City of Shoreline

Rate Code Description	CCF	2006	2007	2008	2009	2010	2011
Multifamily (apt) Shoreline		189,006	176,719	172,827	184,621	177,149	171,018
Duplex Shoreline		10,395	10,541	10,883	10,404	9,424	9,627
Duplex Shoreline 2 Premises		300	171	163	174	218	244
Commercial Shoreline		289,685	287,277	264,549	307,067	265,114	256,160
Fire Service Shoreline 2"		-	-	-	-	2	-
Fire Service Shoreline 4"		1	-	-	3	4	-
Fire Service Shoreline 6"		41	24	87	188	59	82
Fire Service Shoreline 8"		296	199	212	1,402	466	116
Fire Service Shoreline 10"		-	-	3	8	-	1
SFR Shoreline 1 Prem		850,944	809,430	775,962	826,122	738,985	722,353
SFR Shoreline 2 Prems		5,405	5,264	5,342	5,512	4,721	4,299
SFR Shoreline 3 Prems		360	336	399	431	376	268
SFR Shoreline 4 Prems		464	407	105	214	290	374
SFR Shoreline 5 Prems		945	1,041	1,084	1,026	803	913
SFR Shoreline 6 Prems		473	447	376	342	357	383
SFR Shoreline 8 Prems		693	922	958	1,086	951	983
SFR Shoreline 10 Prems		841	816	782	854	791	776
SFR Shoreline Exempt		2,200	2,007	2,015	1,903	1,595	1,725
MMRD 4 Prems Shoreline		764	570	584	622	483	525
MMRD 151 Prems Shoreline		53,148	46,391	30,719	53,878	40,846	37,683
Utility Credit Shoreline		39,862	38,763	37,007	39,271	35,342	34,735
Utility Credit Shoreline Exempt		-	-	-	-		
Water Debit Adjustment		-	-	-	-	-	-
AMR Equip 2" or smaller				-	-		
		1,445,823	1,381,325	1,304,057	1,435,128	1,277,976	1,242,265

Rate Code Description	Revenue	2006	2007	2008	2009	2010	2011
Multifamily (apt) Shoreline	ć	474,247	\$ 643,472	\$ 661,764	\$ 860,382	\$ 911,417	\$ 896,785
Duplex Shoreline	ć	5 28,344	\$ 45,223	\$ 48,081	\$ 55,674	\$ 58,358	\$ 60,587
Duplex Shoreline 2 Premises	ć	594	\$ 676	\$ 680	\$ 852	\$ 1,139	\$ 1,305
Commercial Shoreline	ć	5 786,925	\$ 1,131,057	\$ 1,109,628	\$ 1,545,467	\$ 1,459,053	\$ 1,452,391
Fire Service Shoreline 2"	ç	5 743	\$ 1,525	\$ 1,758	\$ 1,849	\$ 1,874	\$ 3,495
Fire Service Shoreline 4"	ç	6,810	\$ 13,158	\$ 13,910	\$ 14,832	\$ 15,431	\$ 16,428
Fire Service Shoreline 6"	ć	5 22,347	\$ 38,788	\$ 39,332	\$ 41,182	\$ 38,458	\$ 37,870
Fire Service Shoreline 8"	ć	48,168	\$ 77,153	\$ 78,852	\$ 110,605	\$ 87,917	\$ 79,610
Fire Service Shoreline 10"	ć	5 706	\$ 2,141	\$ 2,129	\$ 2,129	\$ 2,147	\$ 2,094
SFR Shoreline 1 Prem	ć	5 2,778,319	\$ 4,113,520	\$ 4,181,105	\$ 5,346,724	\$ 5,338,432	\$ 5,430,150
SFR Shoreline 2 Prems	ć	5 15,898	\$ 22,795	\$ 23,847	\$ 29,601	\$ 28,428	\$ 27,721
SFR Shoreline 3 Prems	ć	663	\$ 1,239	\$ 1,604	\$ 2,070	\$ 2,056	\$ 1,616
SFR Shoreline 4 Prems	ć	5 1,197	\$ 1,759	\$ 770	\$ 1,377	\$ 1,864	\$ 2,295
SFR Shoreline 5 Prems	¢,	5 2,141	\$ 4,092	\$ 4,366	\$ 4,904	\$ 4,444	\$ 5,235
SFR Shoreline 6 Prems	¢,	5 1,386	\$ 1,909	\$ 1,713	\$ 1,923	\$ 2,155	\$ 2,279
SFR Shoreline 8 Prems	ć	5 1,118	\$ 2,326	\$ 3,884	\$ 5,164	\$ 5,016	\$ 5,257
SFR Shoreline 10 Prems	ç	5 2,056	\$ 3,032	\$ 2,960	\$ 3,836	\$ 3,900	\$ 4,279
SFR Shoreline Exempt	ć	5,256	\$ 7,742	\$ 7,771	\$ 9,404	\$ 9,718	\$ 10,715
MMRD 4 Prems Shoreline	ć	3,129	\$ 2,416	\$ 2,571	\$ 3,182	\$ 2,643	\$ 3,015
MMRD 151 Prems Shoreline	ć	316,255	\$ 291,820	\$ 141,482	\$ 345,457	\$ 244,773	\$ 221,797
Utility Credit Shoreline	ć	50,350	\$ 76,253	\$ 73,051	\$ 102,966	\$ 116,071	\$ 124,764
Utility Credit Shoreline Exempt	ć	5 280	\$ 323	\$ 462	\$ 339		
Water Debit Adjustment	ć	5 92	\$ (34,426)	\$ 171,693	\$ 138,061	\$ (30,385)	\$ 69,233
AMR Equip 2" or smaller				\$ 2,604	\$ 2,925		
	ć	6 4,547,024	\$ 6,447,992	\$ 6,576,016	\$ 8,630,906	\$ 8,304,908	\$ 8,458,920

Rate Code Description	Customers	2006	2007	2008	2009	2010	2011
Multifamily (apt) Shoreline		150	150	153	151	141	153
Duplex Shoreline		82	82	82	82	83	82
Duplex Shoreline 2 Premises		1	1	1	1	1	1
Commercial Shoreline		399	406	402	402	369	399
Fire Service Shoreline 2"		6	7	8	8	8	8
Fire Service Shoreline 4"		23	25	26	28	28	30
Fire Service Shoreline 6"		42	42	41	42	40	42
Fire Service Shoreline 8"		51	52	54	55	50	55
Fire Service Shoreline 10"		1	1	1	1	1	1
SFR Shoreline 1 Prem		9,649	9,669	9,705	9,702	9,659	9,604
SFR Shoreline 2 Prems		42	43	42	42	43	42
SFR Shoreline 3 Prems		3	2	2	2	2	2
SFR Shoreline 4 Prems		2	2	2	2	2	2
SFR Shoreline 5 Prems		3	3	3	3	3	3
SFR Shoreline 6 Prems		2	2	2	2	2	2
SFR Shoreline 8 Prems		1	2	2	2	2	2
SFR Shoreline 10 Prems		1	1	1	1	1	1
SFR Shoreline Exempt		12	12	12	13	13	13
MMRD 4 Prems Shoreline		1	1	1	1	1	1
MMRD 151 Prems Shoreline		1	1	3	3	3	3
Utility Credit Shoreline		391	382	384	412	456	465
Utility Credit Shoreline Exempt		1	1	1	-		
		10,864	10,887	10,928	10,955	10,908	10,911

Rate Code													
		2006		2007	2008		2009		2010		2011		
Multifamily		199,701		187,431	183,873		195,199		186,791		180,889		
Commercial		289,685		287,277	264,549		307,067		265,114		256,160		
Fire Service		338		223	302		1,601		531		199		
Single Family		862,325		820,670	787,023		837,490		748,869		732,074		
Master Meter Residential Development		53,912		46,961	31,303		54,500		41,329		38,208		
Utility Credit		39,862		38,763	37,007		39,271		35,342		34,735		
Total		1,445,823		1,381,325	1,304,057		1,435,128		1,277,976		1,242,265	-	
Revenue													
Rate Code		2006		2007	2008		2009		2010		2011	3-year a	avø
Multifamily (Duplex, Apts)	Ś	503,185	Ś	689,370 \$	710,525	Ś	916,908	Ś	970,914	Ś	958,677	\$	948,833
Commercial	\$	786,925		1,131,057 \$	1,109,628		1,545,467		1,459,053		1,452,391		1,485,637
Fire Service	\$	78,774		132,765 \$	135,981		170,597		145,827		139,497		151,974
Single Family	\$	2,808,033		4,158,415 \$	4,228,020		5,405,004		5,396,012			\$	5,430,187
Master Meter Residential Development	\$	319,384		294,235 \$	144,053		348,639		247,417		224,812		273,622
Utility Credit	\$	50,630		76,576 \$	73,513		103,305		, 116,071		124,764	\$	114,713
Automatic Meter Reading Equip		,	•	\$	2,604		2,925		,		,	\$	2,925
Adjustments	\$	92	\$	(34,426) \$	171,693		138,061	\$	(30,385)	\$	69,233	\$	58,970
Total		4,547,024		6,447,992	6,576,016		8,630,906		8,304,908		8,458,920	\$	8,464,911
												•	
Customers Rate Code		2006		2007	2008		2009		2010		2011	Growth	2006-2011
Multifamily		233		233	236		234		2010 225		236	Growth	0.3%
Commercial		399		406	402		402		369		399		0.0%
Fire Service		123		127	130		134		127		136		2.0%
Single Family		9,715		9,736	9,771		9,769		9,727		9,671		-0.1%
Master Meter Residential Development		2		2	4		4		4		4		14.9%
Utility Credit		392		383	385		412		456		465		3.5%
Total		10,864		10,887	10,928		10,955		10,908		10,911	-	0.1%

Shoreline Water System Financial Analysis Appendix Page 7

Average Rate per CCF

Rate Code	2006	2007	2008	2009	2010	2011
Multifamily	2.52	3.68	3.86	4.70	5.20	5.30
Commercial	2.72	3.94	4.19	5.03	5.50	5.67
Fire Service	233.06	595.36	450.27	106.56	274.63	700.99
Single Family	3.26	5.07	5.37	6.45	7.21	7.50
Master Meter Residential Development	5.92	6.27	4.60	6.40	5.99	5.88
Utility Credit	1.27	1.98	1.99	2.63	3.28	3.59
Total	3.14	4.67	5.04	6.01	6.50	6.81

Average CCF per Customer

2007	2008	2009	2010	2011	3-year Avg
804.42	779.12	834.18	830.18	766.48	810.28
3 707.58	658.08	763.85	718.47	642.01	708.11
5 1.76	2.32	11.95	4.18	1.46	5.86
6 84.29	80.55	85.73	76.99	75.70	79.47
23,480.50	7,825.75	13,625.00	10,332.25	9,552.00	11,169.75
) 101.21	96.12	95.32	77.50	74.70	82.51
3 126.88	119.33	131.00	117.16	113.85	120.67
	9 804.42 3 707.58 5 1.76 6 84.29 0 23,480.50 9 101.21	9 804.42 779.12 3 707.58 658.08 5 1.76 2.32 6 84.29 80.55 0 23,480.50 7,825.75 9 101.21 96.12	9 804.42 779.12 834.18 3 707.58 658.08 763.85 5 1.76 2.32 11.95 6 84.29 80.55 85.73 0 23,480.50 7,825.75 13,625.00 9 101.21 96.12 95.32	9804.42779.12834.18830.183707.58658.08763.85718.4751.762.3211.954.18684.2980.5585.7376.99023,480.507,825.7513,625.0010,332.259101.2196.1295.3277.50	9 804.42 779.12 834.18 830.18 766.48 3 707.58 658.08 763.85 718.47 642.01 5 1.76 2.32 11.95 4.18 1.46 6 84.29 80.55 85.73 76.99 75.70 0 23,480.50 7,825.75 13,625.00 10,332.25 9,552.00 9 101.21 96.12 95.32 77.50 74.70

Calculated Revenues

		Adjusted	Forecast		
Customer Charges	2011 Actual	2011	2012	2013	2014
Residential	\$1,891,648	\$1,891,648	\$1,924,743	\$1,963,798	\$2,008,850
Multi-Family	\$71,083	\$71,083	\$73,232	\$75,422	\$77,801
Commercial	\$159,728	\$159,728	\$160,781	\$167,663	\$171,991
CCF Charges					
Residential	\$3,608,277	\$3,788,177	\$4,134,322	\$4,512,719	\$4,904,083
Multi-Family	\$892,583	\$943,592	\$1,055,192	\$1,178,596	\$1,311,393
Commercial	\$1,273,088	\$1,564,244	\$1,582,431	\$1,780,471	\$1,995,814
Total Charges					
Residential	\$5,499,925	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932
Multi-Family	\$963,666	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194
Commercial	\$1,432,816	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805
	\$7,896,407	\$8,418,472	\$8,930,701	\$9,678,668	\$10,469,931
Average Rate					
Residential	7.51	7.39	7.95	8.56	9.21
Multi-Family	5.33	5.31	5.86	6.47	7.11
Commercial	5.59	6.10	6.10	6.74	7.41
Average Rate Increase					
Residential			7.5%	7.7%	7.6%
Multi-Family			10.4%	10.4%	10.0%
Commerical			0.0%	10.5%	10.0%

Revenue Forecast										
		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	, \$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	, \$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	<u>\$5.59</u>	\$4.53	\$4.87	\$5.24	<u>\$5.64</u>	\$ <u>5.92</u>	<u>\$6.22</u>	\$6.53	\$6.86	<u>\$7.20</u>
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
			106.3%	108.4%	108.2%				·	·
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	38,366	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>74.7</u>	<u>82.5</u>	82.5							
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	38,366								
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>									
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502 <i>,</i> 585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	\$496,171	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	\$20.06
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	82.5	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	82.5
	117.7	118.1	118.5	119.0	119.4	119.8	120.2	120.6	121.1	121.5	121.9
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.6%	5.00/	5.00/	5.00/	5.00/	5.00/
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Tabal CCC Curveth											
Total CCF Growth	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$1,820,088	\$2,145,660	\$2,491,301	\$2,858,209	\$3,247,649	\$3,660,961	\$4,099,565	\$4,564,964	\$5,058,747	\$5,582,598
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	0%	5%	16%	26%	37%	47%	57%	67%	77%	86%
Mains Replacement - Amount Funded	\$0	\$96,900	\$348,298	\$616,628	\$902,955	\$1,208,411	\$1,534,198	\$1,881,590	\$2,251,938	\$2,646,676
Total CIP By Year	\$1,820,088	\$2,145,660	\$2,491,301	\$2,858,209	\$3,247,649	\$3,660,961	\$4,099,565	\$4,564,964	\$5,058,747	\$5,582,598
DSC	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.7	2.8
Surplus	\$0	\$96,900	\$348,298	\$616,628	\$902,955	\$1,208,411	\$1,534,198	\$1,881,590	\$2,251,938	\$2,646,676
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,145,660	\$2,491,301	\$2,858,209	\$3,247,649	\$3,660,961	\$4,099,565	\$4,564,964	\$5,058,747	\$5,582,598
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555 <i>,</i> 687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$6,133,349	\$6,758,141	\$7,422,494	\$8,128,830	\$8,879,716	\$9,677,870	\$10,526,178	\$11,427,696	\$12,385,666	\$13,403,523	\$14,484,909
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	95%	105%	116%	125%	135%	145%	154%	164%	173%	183%	192%
Mains Replacement - Amount Fun	\$3,062,374	\$3,545,901	\$4,062,492	\$4,614,268	\$5,203,483	\$5,832,531	\$6,503,953	\$7,220,449	\$7,984,886	\$8,800,307	\$9,669,945
Total CIP By Year	\$6,133,349	\$6,758,141	\$7,422,494	\$8,128,830	\$8,879,716	\$9,677,870	\$10,526,178	\$11,427,696	\$12,385,666	\$13,403,523	\$14,484,909
DSC	3.0	3.2	3.4	3.7	3.9	4.2	4.4	4.7	5.0	5.4	5.7
Surplus	\$3,062,374	\$3,545,901	\$4,062,492	\$4,614,268	\$5,203,483	\$5,832,531	\$6,503,953	\$7,220,449	\$7,984,886	\$8,800,307	\$9,669,945
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$6,133,349	\$6,758,141	\$7,422,494	\$8,128,830	\$8,879,716	\$9,677,870	\$10,526,178	\$11,427,696	\$12,385,666	\$13,403,523	\$14,484,909
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Base Case Wholesale Water Costs

Shoreline Load - 2011 Peak Months Off-peak months Total	544,384 697,881 1,242,265	44% 56%					<- Percentage split based on historic usage <- Percentage split based on historic usage
Shoreline Load - 2020 Peak Months Off-peak months	576,122 738,567	44% 56%					<- Using historic %'s, and 2020 projection of water use <- Using historic %'s, and 2020 projection of water use
Total	1,314,689						<- Based on 2020 CCF water usage projection
Contract Amount							
Peak Months	665,421	44%					<- Based on same % split from 2011 loads
Off-peak months	853,045	56%					<- Based on same % split from 2011 loads
Total	1,518,466						<- Assumed from 2020 Load; includes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019	_
Peak Months	\$1,510,505						 Based on Contract Amount and SPU System Baseline Rates
Off-peak months	\$1,305,159						<- Based on Contract Amount and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201	<- Forecast increased by Inflation, SPU escalation, and change in Total Revenues

Wholesale Rates

	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Base Case Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
Expenses										
Wholesale Water Supply	\$3,443,399	\$3,570,466	\$3,702,358	\$3,839,263	\$3,981,377	\$4,128,903	\$4,282,055	\$4,441,051	\$4,606,123	\$4,777,508
Non-Supply O&M	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389 \$5,956,389	\$6,230,383	\$4,282,033 \$6,516,981	\$6,816,762	\$4,000,123 \$7,130,333	\$7,458,328
Operations	\$4,973,723	\$3,204,008 \$0	\$3,444,020 \$0	\$3,094,443 \$0	\$3,930,389 \$0	\$0,230,383 \$0	\$0,510,981 \$0	\$0,810,702 \$0	\$7,130,333 \$0	\$7,438,328 \$0
	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	30 \$0	30 \$0	\$0 \$0
Engineering	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Pumping	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Treatment										
Distribution System	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0
Fire Hydrants	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$10,059,099	\$10,499,088	\$10,958,800	\$11,439,136	\$11,941,044	\$12,465,512	\$13,013,576	\$13,586,321	\$14,184,883	\$14,810,448
Net Operating Funds	\$4,882,219	\$5,207,791	\$5,553,432	\$5,920,340	\$6,309,780	\$6,723,092	\$7,161,696	\$7,627,095	\$8,120,878	\$8,644,729
Debt Service Coverage Ratio	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.7	2.8
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$1,820,088	\$2,145,660	\$2,491,301	\$2,858,209	\$3,247,649	\$3,660,961	\$4,099,565	\$4,564,964	\$5,058,747	\$5,582,598
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$14,941,318	\$15,609,979	\$16,163,934	\$16,742,848	\$17,347,869	\$17,980,192	\$18,641,074	\$19,331,826	\$20,053,823	\$20,808,502
Net Revenue - Available for Mains Replacement	\$0	\$96,900	\$348,298	\$616,628	\$902,955	\$1,208,411	\$1,534,198	\$1,881,590	\$2,251,938	\$2,646,676
Net Revenue as Percent of Total Revenue	0.0%	0.6%	2.1%	3.6%	4.9%	6.3%	7.6%	8.9%	10.1%	11.3%
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Cumulative Mains Replacement	\$2,049,900	\$2,144,203 \$96,900	\$2,242,901 \$445,198	\$2,340,074 \$1,061,826	\$2,453,994 \$1,964,780	\$2,500,878 \$3,173,192	\$2,084,934 \$4,707,390	\$2,808,402 \$6,588,980	\$2,937,031 \$8,840,917	\$3,072,783 \$11,487,593
Percent Total Mains Replacement Funded	\$0 0.0%	\$96,900 0.1%	\$445,198 0.6%	\$1,001,820 1.5%	\$1,964,780 2.8%	\$3,173,192 4.5%	\$4,707,390 6.7%	\$0,588,980 9.4%	\$8,840,917 12.6%	\$11,487,593 16.4%
reitent iotal Mains Replatement Funded	0.0%	0.1%	0.6%	1.5%	2.8%	4.5%	0.7%	9.4%	12.0%	10.4%

Shoreline Muncipal Water Utility - Updated Base Case Budget Summary

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
******	A	4= 0.40 =00	4= ==0 040	4	40.000				A= 000 100	4
										\$7,285,781
										\$12,231,790
							-			\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
\$15,461,617	\$16,159,953	\$16,890,436	\$17,654,574	\$18,453,947	\$19,290,210	\$20,165,099	\$21,080,431	\$22,038,111	\$23,040,135	\$24,088,598
\$9,195,480	\$9,820,272	\$10,484,625	\$11,190,961	\$11,941,847	\$12,740,001	\$13,588,309	\$14,489,827	\$15,447,797	\$16,465,654	\$17,547,040
3.0	3.2	3.4	3.7	3.9	4.2	4.4	4.7	5.0	5.4	5.7
\$3.062.131	\$3.062.131	\$3.062.131	\$3.062.131	\$3.062.131	\$3.062.131	\$3.062.131	\$3.062.131	\$3.062.131	\$3.062.131	\$3,062,131
\$6,133,349	\$6,758,141	\$7,422,494	\$8,128,830	\$8,879,716	\$9,677,870	\$10,526,178	\$11,427,696	\$12,385,666	\$13,403,523	\$14,484,909
40	40	40	40	40	40	40	40	40	40	40
										\$0
		.,,,		. , ,	. , ,	.,,,		.,,,		\$4,814,965
\$21,594,723	\$22,434,324	\$23,312,570	\$24,231,268	\$25,192,311	\$26,197,681	\$27,249,455	\$28,349,809	\$29,501,022	\$30,705,483	\$31,965,693
\$3,062,374	\$3,545,901	\$4,062,492	\$4,614,268	\$5,203,483	\$5,832,531	\$6,503,953	\$7,220,449	\$7,984,886	\$8,800,307	\$9,669,945
12.4%	13.6%	14.8%	16.0%	17.1%	18.2%	19.3%	20.3%	21.3%	22.3%	23.2%
\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
\$3,214,131 \$14,549,968	\$3,361,981 \$18,095,869	\$3,516,632 \$22,158,360	\$3,678,397 \$26,772,628	\$3,847,604 \$31,976,111	\$4,024,593 \$37,808,642	\$4,209,725 \$44,312,594	\$4,403,372 \$51,533,043	\$4,605,927 \$59,517,929	\$4,817,800 \$68,318,236	\$5,039,418 \$77,988,181
	\$24,540,385 \$116,712 \$0 \$0 \$0 \$0 \$24,657,097 \$4,953,646 \$7,801,411 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$24,540,385 \$25,857,677 \$116,712 \$122,548 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$4,953,646 \$5,147,834 \$7,801,411 \$8,160,276 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,234,136 \$1,300,383 \$1,472,423 \$1,551,461 \$15,461,617 \$16,159,953 3.0 3.2 \$3,062,131 \$3,062,131	\$24,540,385 \$25,857,677 \$27,246,386 \$116,712 \$122,548 \$128,675 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$4,953,646 \$5,147,834 \$5,349,783 \$7,801,411 \$8,160,276 \$8,535,649 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,234,	\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$116,712 \$122,548 \$128,675 \$135,109 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$20 \$0 \$0 \$0 \$0 \$20 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$28,845,536 \$4,953,646 \$5,147,834 \$5,349,783 \$5,559,812 \$7,801,411 \$8,160,276 \$8,535,649 \$8,928,289 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <	\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$28,845,536 \$30,395,794 \$4,953,646 \$5,147,834 \$5,349,783 \$5,559,812 \$5,778,251 \$7,801,411 \$8,160,276 \$8,535,649 \$8,928,289 \$9,338,990 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td>\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$28,845,536 \$30,395,794 \$32,030,211 \$4,953,646 \$5,147,834 \$5,349,783 \$5,559,812 \$5,778,251 \$6,005,443 \$7,801,411 \$8,160,276 \$8,535,649 \$8,928,289 \$9,338,990 \$9,768,584 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <!--</td--><td>\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$33,597,002 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$28,845,536 \$30,395,794 \$32,030,211 \$33,753,408 \$4,953,646 \$5,147,834 \$5,349,783 \$5,559,812 \$5,778,251 \$6,005,443 \$6,241,747 \$7,801,411 \$8,160,276 \$8,535,649 \$8,928,289 \$9,338,990 \$9,768,584 \$10,217,939 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td><td>\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$33,597,002 \$35,406,032 \$116,712 \$122,548 \$128,675 \$155,109 \$141,864 \$148,958 \$156,406 \$164,226 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0<td>S24,540,385 S25,857,677 S27,246,386 S28,710,427 S30,253,929 S31,881,254 S33,597,002 S35,406,032 S77,313,471 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$0</td><td>\$24,450,385 \$25,857,677 \$27,246,386 \$28,10,427 \$30,253,929 \$31,881,254 \$33,97,002 \$35,406,032 \$37,313,471 \$39,324,731 \$116,712 \$122,678 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$181,059 \$0 <</td></td></td>	\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$28,845,536 \$30,395,794 \$32,030,211 \$4,953,646 \$5,147,834 \$5,349,783 \$5,559,812 \$5,778,251 \$6,005,443 \$7,801,411 \$8,160,276 \$8,535,649 \$8,928,289 \$9,338,990 \$9,768,584 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 </td <td>\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$33,597,002 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$28,845,536 \$30,395,794 \$32,030,211 \$33,753,408 \$4,953,646 \$5,147,834 \$5,349,783 \$5,559,812 \$5,778,251 \$6,005,443 \$6,241,747 \$7,801,411 \$8,160,276 \$8,535,649 \$8,928,289 \$9,338,990 \$9,768,584 \$10,217,939 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0</td> <td>\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$33,597,002 \$35,406,032 \$116,712 \$122,548 \$128,675 \$155,109 \$141,864 \$148,958 \$156,406 \$164,226 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0<td>S24,540,385 S25,857,677 S27,246,386 S28,710,427 S30,253,929 S31,881,254 S33,597,002 S35,406,032 S77,313,471 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$0</td><td>\$24,450,385 \$25,857,677 \$27,246,386 \$28,10,427 \$30,253,929 \$31,881,254 \$33,97,002 \$35,406,032 \$37,313,471 \$39,324,731 \$116,712 \$122,678 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$181,059 \$0 <</td></td>	\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$33,597,002 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$24,657,097 \$25,980,225 \$27,375,061 \$28,845,536 \$30,395,794 \$32,030,211 \$33,753,408 \$4,953,646 \$5,147,834 \$5,349,783 \$5,559,812 \$5,778,251 \$6,005,443 \$6,241,747 \$7,801,411 \$8,160,276 \$8,535,649 \$8,928,289 \$9,338,990 \$9,768,584 \$10,217,939 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$24,540,385 \$25,857,677 \$27,246,386 \$28,710,427 \$30,253,929 \$31,881,254 \$33,597,002 \$35,406,032 \$116,712 \$122,548 \$128,675 \$155,109 \$141,864 \$148,958 \$156,406 \$164,226 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td>S24,540,385 S25,857,677 S27,246,386 S28,710,427 S30,253,929 S31,881,254 S33,597,002 S35,406,032 S77,313,471 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$0</td> <td>\$24,450,385 \$25,857,677 \$27,246,386 \$28,10,427 \$30,253,929 \$31,881,254 \$33,97,002 \$35,406,032 \$37,313,471 \$39,324,731 \$116,712 \$122,678 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$181,059 \$0 <</td>	S24,540,385 S25,857,677 S27,246,386 S28,710,427 S30,253,929 S31,881,254 S33,597,002 S35,406,032 S77,313,471 \$116,712 \$122,548 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$0	\$24,450,385 \$25,857,677 \$27,246,386 \$28,10,427 \$30,253,929 \$31,881,254 \$33,97,002 \$35,406,032 \$37,313,471 \$39,324,731 \$116,712 \$122,678 \$128,675 \$135,109 \$141,864 \$148,958 \$156,406 \$164,226 \$172,437 \$181,059 \$0 <

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
Separation Cost							
Option:	B3	\$8,542,269	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$11,369,174	\$7,903,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518				
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,376,382	\$960,474	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$594,282	\$414,705	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,483,137	\$3,128,445	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Deliability	Paca	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract % Adder for Reliability	Base Base	5.0%	5.0%	0.0% 4.0%	6.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	0.0%		
Efficiency Savings		4000 0	4				
Upfront Costs	Yes	-\$390,000	-\$390,000				
Labor	Yes	-\$267,325	-\$267,325				
Materials & Supplies	Yes	\$0 \$76.445	\$0				
Employee Benefits	Yes	-\$76,415	-\$76,415		Charal	oo Mictor O	ustom Einopoial Analysis Annardiy F
Administrative	Yes	\$0	\$0		Snorelli	ne water Sy	ystem Financial Analysis Appendix P

Shoreline Muncipal Water Utility - Updated Efficiency Case Revenue Forecast

AdjustedForecastRevenues2011 Actual20122013201420132014201858,64258,64258,64258,64258,64252,75,64752,75,6552,21,866752,21,866752,22,86,66752,21,866752,22,86,6652,21,86,6752,21,86,6752,22,86,6652,218,66752,22,86,6652,218,66752,22,86,6652,22,86,6652,22,86,6652,22,86,6652,22,86,6652,22,86,6652,218,66752,22,86,6652,218,66752,23,26,6652,23,26,6652,23,26,6652	Revenue Forecast										
Residential \$5,699,847 \$5,679,822 \$6,059,005 \$6,476,517 \$6,12,912 \$2,720,1,67 \$7,701,678 \$7,14,817 \$6,14,917			Adjusted	Forecast							
Multi-Family S958,677 S1,01,676 S1,128,424 S1,234,018 S1,236,018 S1,468,895 S1,532,168 S1,422,76 S1,738,079 S1,338,101 S2,588,059 S2,739,676 S2,238,561 S2,588,652 S2,739,676 S2,238,551 S2,588,565 S2,739,676 S2,238,551 S2,588,559 S2,739,676 S2,238,551 S2,739,676 S2,238,552 S2,739,676 S2,238,552 S2,739,676 S2,238,552 S2,238,552 S2,238,552 S2,238,552 S2,232,602 S2,233,03 S2,744,752 Other S139,3907 S1,736,715 S1,756 S1,763 S1,756											
Commercial \$1,42,391 \$1,723,291 \$1,743,212 \$1,948,133 \$2,167,805 \$2,302,660 \$2,458,004 \$2,758,079 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,179 \$2,293,193 \$2,275,202 \$2,283,100 \$2,293,100 \$2,275,202 \$2,293,203 \$2,293,2											
MMBD \$224,812 \$277,622 \$222,724 \$313,827 \$335,985 \$356,692 \$383,101 \$400,245 \$481,816 Fire \$139,397 \$117,4633 \$116,411 \$176,600 \$223,662 \$223,662 \$225,000 \$225,130 \$237,628 Total \$2,858,920 \$50,07,751 \$59,573,61 \$10,369,74 \$11,211,79 \$11,749,988 \$12,314,893 \$512,307,82 \$13,350,247 \$14,1856 Average Rate - - - \$10,369,741 \$7,78 \$8,12 \$8,28 \$9,01 \$9,48 \$12,01 \$11,76 \$8,11 \$8,28 \$9,00 \$18,85 \$10,06 \$11,76 \$8,11 \$8,28 \$8,00 \$18,48 \$11,76 \$8,11 \$8,28 \$9,00 \$18,48 \$11,76 \$8,11 \$8,28 \$9,00 \$18,48 \$11,76 \$8,11 \$18,48 \$11,76 \$8,11 \$18,48 \$11,76 \$8,11 \$18,48 \$11,76 \$8,11 \$18,49 \$11,48 \$11,76 \$11,76 \$11,76 \$11,76 <	Multi-Family	\$958,677		\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
fire 5139.497 5151.974 513.6174 5176.060 5188.619 5208.824 5219.276 5220.240 5230.427 5230.240 5231.726 Total 513.6972 5173.633 5167.54 5201.210 5216.278 5220.240 5236.226 5250.000 5261.330 5236.226 5230.610 5236.326 5230.520 513.530.247 514.183.661 Average Rate 512.577.81 55.67 56.10 56.47 57.71 57.78 58.16 58.42 58.85 59.01 58.44 59.22 55.23 55.68 59.01 58.44 59.22 55.23 55.66 59.01 58.85 52.22 55.33 55.66 52.01.99 52.52.57 52.52 55.53 55.66 52.01.99 52.52.57 52.52.42 55.53 55.68 52.22 55.53 55.68 52.22 55.53 55.68 52.22 55.53 55.68 52.22 55.53 55.68 52.22 55.53 55.68	Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
Other \$193.997 \$273.683 \$196.754 \$201.210 \$221.6478 \$222.302 \$228.667 \$22.0000 \$22.61.20 \$27.6286 Total \$8,658,920 \$9,017.751 \$9,57.500 \$51.069.0764 \$11.211.779 \$11.749.998 \$12.314.893 \$12.90.820 \$12.30.420 \$14.183.661 Average Rate residential \$7.50 \$57.50 \$57.65 \$9.21 \$9.67 \$10.16 \$51.06 \$51.120 \$51.176 Multi-Family \$5.30 \$55.66 \$7.91 \$7.741 \$7.74 \$7.84 \$8.24 \$8.65 \$9.28 Commercial \$5.58 \$50.12 \$5.59 \$7.79 \$7.78 \$8.17 \$8.81 \$9.82 \$50.128 \$52.720 Total \$5.68 \$52.03 \$7.23 \$7.84 \$8.89 \$9.34 \$9.80 \$10.28 \$10.28 \$10.28 Total \$5.68 \$52.91 \$7.23 \$7.64 \$12.91 \$19.83 \$16.654 \$19.804 \$19.9425 \$20.28 \$50.21	MMRD	\$224,812	\$273,622	\$292,744	\$313 <i>,</i> 827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Total \$8,458,920 \$9,017,751 \$9,573,610 \$10,369,764 \$11,211,779 \$11,749,998 \$12,314,893 \$12,907,822 \$13,330,447 \$14,183,661 Average Rate Residential \$7,50 \$7,50 \$5,75 \$8,56 \$9,21 \$9,67 \$10,16 \$10,26 \$11,20 \$11,78 Multi-Family \$5,567 \$5,67 \$5,67 \$5,67 \$5,67 \$5,73 \$2,81,7 \$8,48 \$9,01 \$9,48 MMRD \$5,88 \$5,612 \$5,659 \$2,00,76 \$2,27,51 \$2,20,39 \$2,261,86 \$2,27,495 \$2,38,70 \$3,313 Other \$5,681 \$5,680 \$5,72,45 \$7,564 \$5,820 \$5,23,45 \$5,836 \$2,20,285 \$2,20,22,35 Cr Residential 73,2,074 \$8,573 76,250 75,648 738,706 732,874 72,1346 \$2,02,285 \$2,02,235 Commercial 25,6100 282,541 282,454 295,494 295,905 299,346 302,826 30,335 43,133 43,235<	Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Average Rate Residential \$75.0 \$75.50 \$57.95 \$58.56 \$92.21 \$9.67 \$10.16 \$10.66 \$11.20 \$11.76 Multi-Family \$5.67 \$5.67 \$6.10 \$6.74 \$7.71 \$7.78 \$8.23 \$8.24 \$8.84 \$9.28 \$9.08 Commercial \$5.67 \$6.10 \$6.74 \$7.71 \$7.73 \$8.17 \$8.58 \$9.01 \$5.86 \$5.70 \$7.63 \$8.01 \$8.42 \$8.84 \$9.28 \$50.13 Other \$5.59 \$4.53 \$4.82 \$5.24 \$5.54 \$5.29 \$6.22 \$6.53 \$5.86 \$27.29 Total \$6.81 \$6.80 \$7.23 \$7.84 \$8.80 \$9.30 \$10.28 \$10	Other			<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>		<u>\$238,667</u>		<u>\$263,130</u>	
Residential \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.51 \$7.71 \$7.74 \$7.84 \$5.20 \$5.86 \$5.90 Commercial \$5.57 \$5.61 \$5.67 \$5.00 \$5.74 \$7.41 \$7.74 \$7.84 \$8.24 \$8.84 \$9.01 \$9.46 MMRD \$5.58 \$5.67 \$6.10 \$5.74 \$7.41 \$7.74 \$5.84 \$5.84 \$9.074 \$7.83 \$8.01 \$8.42 \$8.84 \$9.078 \$7.83 \$7.62 \$52.43 \$5.621 \$5.80 \$57.20 \$7.83 \$8.01 \$5.42 \$5.88 \$5.22 \$5.22 \$5.23 \$5.61 \$5.02 \$5.88 \$5.20 \$5.80 \$5.80 \$5.80 \$5.80 \$5.80 \$5.80 \$5.20 \$5.81 \$5.90 \$5.11 \$6.22 \$5.93 \$5.80 \$5.20 \$5.20 \$5.20 \$5.20 \$5.20 \$5.20 \$5.20	Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Multi-Family \$5.30 \$5.30 \$5.86 \$6.47 \$7.11 \$7.47 \$7.84 \$8.24 \$8.65 \$9.08 Commercial \$5.67 \$5.67 \$6.10 \$6.74 \$7.78 \$8.17 \$8.58 \$8.58 \$8.59 \$9.04 MMRO \$5.88 \$6.12 \$6.69 \$7.09 \$7.63 \$8.01 \$8.44 \$9.28 \$9.74 Fire \$700.99 \$190.56 \$204.90 \$220.76 \$237.51 \$249.39 \$561.86 \$57.49 \$58.86 \$522 \$56.31 \$58.86 \$522 \$56.31 \$58.86 \$522 \$56.33 \$58.86 \$522 \$56.35 \$58.86 \$522 \$56.35 \$58.86 \$522 \$56.35 \$58.86 \$522 \$56.35 \$58.86 \$522 \$56.35 \$58.86 \$522 \$56.35 \$58.86 \$522 \$56.35 \$58.86 \$522 \$56.35 \$50.86 \$522 \$50.35 \$50.86 \$52.20 \$50.25 \$202.825 \$202.825 \$202.825 \$202.825	Average Rate										
Commercial \$5,67 \$5,67 \$6,10 \$6,74 \$7,74 \$7,78 \$8,17 \$8,58 \$9,01 \$9,46 MMRD \$5,58 \$5,67 \$5,63 \$8,01 \$5,84 \$9,28 \$9,74 Pire \$700.99 \$150.56 \$220.76 \$227.51 \$24.99 \$26.86 \$27.95 \$28.08 \$27.95 \$28.08 \$5.23 \$5.23 \$5.23 \$5.24 \$5.25 \$5.23 \$5.26 \$5.20 \$5.23 \$5.26 \$5.23 \$5.80 \$51.08	Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
MMRD \$5.88 \$6.12 \$6.59 \$7.03 \$7.63 \$8.01 \$8.42 \$8.84 \$9.28 \$9.7.43 Fire \$700.99 \$190.56 \$220.76 \$237.51 \$249.39 \$221.86 \$52.24 \$52.64 \$52.27 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$52.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$53.37 \$51.78 \$51.78 \$51.78 \$51.78 \$72.37 \$72.367 \$72.367 \$72.367 \$72.347 \$702.587 \$72.347 \$703.870 \$73.870 \$73.870 \$73.870 \$73.870 \$73.870 \$73.870 \$73.870 \$73.870 \$73.870 \$73.873 \$43.355 \$43.335 \$43.335 \$43.335 \$43.335 \$43.335 \$43.138 \$42.923	Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Fire \$700.99 \$190.56 \$220.90 \$220.76 \$237.51 \$249.39 \$261.86 \$274.95 \$288.70 \$303.13 Other \$5.59 \$4.53 \$5.487 \$5.24 \$5.64 \$5.92 \$6.22 \$6.33 \$6.68 \$21.078 Total \$6.81 \$6.81 \$7.23 \$7.84 \$8.48 \$8.90 \$9.34 \$9.80 \$10.28 \$10.78 CC Residential 732,074 768,573 762,505 756,484 750,511 744,585 738,706 732,874 727,087 721,346 Multi-Family 180,889 191,226 192,595 299,504 299,505 299,346 302,826 306,6347 309,909 MMRD 38,208 44,679 44,455 44,233 44,012 43,792 43,573 43,355 43,138 42,923 Fire 199 798 798 798 798 798 798 798 798 798 798 798 798 798	Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.78	\$8.17	\$8.58	\$9.01	\$9.46
Other 55.59 54.53 54.83 54.87 55.24 55.64 55.92 56.22 56.33 56.86 57.20 Total 56.81 56.80 57.23 57.84 58.48 58.90 59.34 59.80 510.28 510.78 CCF E E E E E E E Residential 732.074 768.573 762.505 756.484 750.511 744.585 738,706 732.874 727.087 721.346 MMRD 38,208 44.679 44.456 289.143 292.504 295.905 293.346 302.826 306.347 309.909 MMRD 38,208 44.679 44.452 344.132 292.504 295.905 293.346 333.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 383.366 3	MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Total \$6.81 \$6.80 \$7.23 \$7.84 \$8.48 \$8.90 \$9.34 \$9.80 \$10.28 \$10.78 CCF Residential 732,074 768,573 762,505 756,484 750,511 744,585 738,706 732,874 727,087 721,346 Multi-family 180,889 191,226 192,559 229,504 2295,905 299,346 302,826 306,6347 309,902 MMRD 38,208 44,679 44,456 44,233 44,012 43,792 43,573 43,355 43,138 42,923 Fire 199 798	Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
CCF Residential 732,074 768,573 762,505 756,484 750,511 744,585 738,706 732,874 727,087 721,346 Multi-Family 180,889 191,226 192,569 193,921 195,283 196,654 198,034 199,425 200,825 202,235 Commercial 256,160 282,534 288,819 289,143 292,504 295,905 299,346 302,826 306,347 309,909 MMRD 38,208 44,679 44,456 44,233 4,012 43,792 43,573 43,355 43,138 42,923 Fire 199 798 1,315,57	Other	<u>\$5.59</u>	<u>\$4.53</u>	<u>\$4.87</u>	<u>\$5.24</u>	<u>\$5.64</u>	<u>\$5.92</u>	<u>\$6.22</u>	<u>\$6.53</u>	<u>\$6.86</u>	<u>\$7.20</u>
Residential 732,074 768,573 762,505 756,484 750,511 744,585 738,706 732,874 722,087 721,346 Multi-Family 180,89 192,225 192,569 139,921 195,283 196,654 198,034 199,425 200,225 202,235 Commercial 256,160 282,534 285,819 289,433 242,504 295,905 299,346 343,355 43,313 43,355 43,313 42,923 MMRD 38,208 44,679 44,456 44,223 44,012 43,792 43,557 43,355 43,355 43,356 38,366 38,376	Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
Multi-Family 180,889 191,226 192,569 193,921 195,283 196,654 198,034 199,425 200,825 202,235 Commercial 256,160 282,534 285,819 289,143 292,504 295,905 299,346 302,826 306,347 309,909 MRD 38,208 44,679 44,456 44,233 44,012 43,792 43,573 43,355 43,138 42,923 Other 34,735 38,366	CCF										
Multi-Family 180,889 191,226 192,569 193,921 195,283 196,654 198,034 199,425 200,825 202,235 Commercial 256,160 282,534 285,819 289,143 292,504 295,905 299,346 302,826 306,347 309,909 MRD 38,208 44,679 44,456 44,233 44,012 43,792 43,573 43,355 43,138 42,923 Other 34,735 38,366	Residential	732.074	768.573	762.505	756.484	750.511	744.585	738.706	732.874	727.087	721.346
Commercial256,160282,534285,819289,143292,504295,905299,346302,826306,347309,909MMRD38,20844,67944,45644,23344,01243,79243,57343,35543,13842,923Fire199798798798798798798798798798798Other34,73538,36638	Multi-Family	-		-	-	-		-			-
MMRD 38,208 44,679 44,456 44,233 44,012 43,792 43,573 43,355 43,138 42,923 Fire 199 798 1,320,100 1,318,823 1,317,643 1,315,576 1,315,576 1,315,576 1,315,576 1,315,576 1,316,561 1,315,576 1,316,561 1,315,576 1,316,561 1,315,576 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,316,561 1,31	•		-	-		-			-		
Fire 199 798 38,366 36,36 36,37 36,37 <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>						-					
Total 1,242,265 1,326,177 1,324,512 1,322,945 1,321,474 1,320,100 1,318,823 1,317,643 1,316,561 1,315,576 CCF per Customer Residential 75.7 79.5 78.7 77.9 77.1 76.3 75.6 74.8 74.1 73.3 Multi-Family 766.5 810.3 806.2 802.2 798.2 794.2 790.2 786.3 782.3 778.4 Commercial 642.0 708.1 711.6 715.2 718.8 722.4 726.0 729.6 733.3 736.9 MMRD 9,552.0 11,169.8 11,113.9 11,058.3 11,003.0 10,948.0 10,893.3 10,838.8 10,784.6 10,730.7 Fire 1.5 5.9 <td>Fire</td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Fire	-		-							
Total 1,242,265 1,326,177 1,324,512 1,322,945 1,321,474 1,320,100 1,318,823 1,317,643 1,316,561 1,315,576 CCF per Customer Residential 75.7 79.5 78.7 77.9 77.1 76.3 75.6 74.8 74.1 73.3 Multi-Family 766.5 810.3 806.2 802.2 798.2 794.2 790.2 786.3 782.3 778.4 Commercial 642.0 708.1 711.6 715.2 718.8 722.4 726.0 729.6 733.3 736.9 MMRD 9,552.0 11,169.8 11,113.9 11,058.3 11,003.0 10,948.0 10,893.3 10,838.8 10,784.6 10,730.7 Fire 1.5 5.9 <td>Other</td> <td>34.735</td> <td>38.366</td> <td>38.366</td> <td>38.366</td> <td>38.366</td> <td>38.366</td> <td>38.366</td> <td>38.366</td> <td>38.366</td> <td>38.366</td>	Other	34.735	38.366	38.366	38.366	38.366	38.366	38.366	38.366	38.366	38.366
Residential75.779.578.777.977.176.375.674.874.173.3Multi-Family766.5810.3806.2802.2798.2794.2790.2786.3782.3778.4Commercial642.0708.1711.6715.2718.8722.4726.0729.6733.3736.9MMRD9,552.011,169.811,113.911,058.311,003.010,948.010,893.310,838.810,784.610,730.7Fire1.55.9<	Total										
Residential75.779.578.777.977.176.375.674.874.173.3Multi-Family766.5810.3806.2802.2798.2794.2790.2786.3782.3778.4Commercial642.0708.1711.6715.2718.8722.4726.0729.6733.3736.9MMRD9,552.011,169.811,113.911,058.311,003.010,948.010,893.310,838.810,784.610,730.7Fire1.55.9<	CCF per Customer										
Multi-Family766.5810.3806.2802.2798.2794.2790.2786.3782.3778.4Commercial642.0708.1711.6715.2718.8722.4726.0729.6733.3736.9MMRD9,552.011,169.811,113.911,058.311,003.010,948.010,893.310,838.810,784.610,730.7Fire1.55.95.95.95.95.95.95.95.95.95.9Other74.782.5 <td>•</td> <td>75.7</td> <td>79.5</td> <td>78.7</td> <td>77.9</td> <td>77.1</td> <td>76.3</td> <td>75.6</td> <td>74.8</td> <td>74.1</td> <td>73.3</td>	•	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Commercial642.0708.1711.6715.2718.8722.4726.0729.6733.3736.9MMRD9,552.011,169.811,113.911,058.311,003.010,948.010,893.310,838.810,784.610,730.7Fire1.55.95.95.95.95.95.95.95.95.95.9Other74.782.5 <td></td>											
MMRD9,552.011,169.811,113.911,058.311,003.010,948.010,893.310,838.810,784.610,730.7Fire1.55.95.95.95.95.95.95.95.95.95.9Other $\overline{74.7}$ 82.58	,										
Fire 1.5 5.9	MMRD										
Other 74.7 82.5 <t< td=""><td>Fire</td><td>1.5</td><td>5.9</td><td>-</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>5.9</td></t<>	Fire	1.5	5.9	-				-			5.9
113.9121.5121.1120.7120.2119.8119.4119.0118.7118.3CustomersResidential9,6719,6719,6929,7129,7339,7539,7749,7959,8169,837Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD444444444Fire136136136136136136136136136136Other465465465465465465465465465465465465											
Residential9,6719,6719,6929,7129,7339,7539,7749,7959,8169,837Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD4444444444Fire136136136136136136136136136136Other465465465465465465465465465465465465											
Residential9,6719,6719,6929,7129,7339,7539,7749,7959,8169,837Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD4444444444Fire136136136136136136136136136136Other465465465465465465465465465465465465	Customers										
Multi-Family 236 236 239 242 245 248 251 254 257 260 Commercial 399 399 402 404 407 410 412 415 418 421 MMRD 4 </td <td>Residential</td> <td>9,671</td> <td>9,671</td> <td>9,692</td> <td>9,712</td> <td>9,733</td> <td>9,753</td> <td>9,774</td> <td>9,795</td> <td>9,816</td> <td>9,837</td>	Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Commercial 399 399 402 404 407 410 412 415 418 421 MMRD 4	Multi-Family								,		
MMRD 4	,										
Fire 136 <td></td>											
Other 465 </td <td></td> <td>136</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		136									
	Other	465		465		465	465	465	465	465	465

Shoreline Muncipal Water Utility - Updated Efficiency Case Revenue Forecast

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>									
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>									
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Shoreline Muncipal Water Utility - Updated Efficiency Case Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	\$472,544	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	\$633,254	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	\$769,724
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>
	117.7	118.1	118.5	119.0	119.4	119.8	120.2	120.6	121.1	121.5	121.9
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.6%	5.00/	5.00/	5.00/	5.00/	5.00/
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Data lasera											
Average Rate Increase	F 00/	F 00/	F 00/	F 00/	F 00/	F 00/	F 00/	F 00/	F 00/	F 00/	F 00/
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,376,382	\$1,439,696	\$1,505,922	\$1,575,194	\$1,647,653	\$1,723,445	\$1,802,724	\$1,885,649	\$1,972,389	\$2,063,119
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$594,282	\$621,619	\$650,214	\$680,124	\$711,409	\$744,134	\$778,364	\$814,169	\$851,621	\$890,795
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,483,137	\$4,689,361	\$4,905,072	\$5,130,705	\$5,366,718	\$5,613,587	\$5,871,812	\$6,141,915	\$6,424,443	\$6,719,967

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581
Total Initial Debt	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636
Amount Available for Cash CIP	\$2,349,171	\$2,697,401	\$3,066,744	\$3,458,443	\$3,873,815	\$4,314,253	\$4,781,229	\$5,276,306	\$5,801,132	\$6,357,454
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	26%	30%	41%	52%	62%	73%	83%	92%	102%	111%
Mains Replacement - Amount Funded	\$529,083	\$648,641	\$923,741	\$1,216,862	\$1,529,121	\$1,861,703	\$2,215,862	\$2,592,932	\$2,994,322	\$3,421,532
Total CIP By Year	\$2,349,171	\$2,697,401	\$3,066,744	\$3,458,443	\$3,873,815	\$4,314,253	\$4,781,229	\$5,276,306	\$5,801,132	\$6,357,454
DSC	1.8	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1
Surplus	\$529,083	\$648,641	\$923,741	\$1,216,862	\$1,529,121	\$1,861,703	\$2,215,862	\$2,592,932	\$2,994,322	\$3,421,532
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$2,349,171	\$2,697,401	\$3,066,744	\$3,458,443	\$3,873,815	\$4,314,253	\$4,781,229	\$5,276,306	\$5,801,132	\$6,357,454
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,158,022	\$2,257,291	\$2,361,127	\$2,469,739	\$2,583,347	\$2,702,181	\$2,826,481	\$2,956,499	\$3,092,498	\$3,234,753	\$3,383,551
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$931,772	\$974,633	\$1,019,467	\$1,066,362	\$1,115,415	\$1,166,724	\$1,220,393	\$1,276,531	\$1,335,251	\$1,396,673	\$1,460,920
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,029,086	\$7,352,424	\$7,690,635	\$8,044,404	\$8,414,447	\$8,801,512	\$9,206,381	\$9,629,875	\$10,072,849	\$10,536,200	\$11,020,865

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$555,687	\$555,687	\$555,687	\$555,687	\$555 <i>,</i> 687	\$555,687	\$555,687	\$555 <i>,</i> 687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581	\$739,581
Total Initial Debt	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636
Amount Available for Cash CIP	\$6,942,170	\$7,602,488	\$8,304,003	\$9,049,210	\$9,840,754	\$10,681,437	\$11,574,230	\$12,522,280	\$13,528,922	\$14,597,690	\$15,732,329
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	120%	131%	141%	150%	160%	170%	179%	189%	198%	207%	217%
Mains Replacement - Amount Fun	\$3,871,195	\$4,390,248	\$4,944,000	\$5,534,647	\$6,164,521	\$6,836,098	\$7,552,005	\$8,315,033	\$9,128,142	\$9,994,474	\$10,917,365
Total CIP By Year	\$6,942,170	\$7,602,488	\$8,304,003	\$9,049,210	\$9,840,754	\$10,681,437	\$11,574,230	\$12,522,280	\$13,528,922	\$14,597,690	\$15,732,329
DSC	3.3	3.5	3.7	4.0	4.3	4.5	4.8	5.1	5.5	5.8	6.2
Surplus	\$3,871,195	\$4,390,248	\$4,944,000	\$5,534,647	\$6,164,521	\$6,836,098	\$7,552,005	\$8,315,033	\$9,128,142	\$9,994,474	\$10,917,365
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$6,942,170	\$7,602,488	\$8,304,003	\$9,049,210	\$9,840,754	\$10,681,437	\$11,574,230	\$12,522,280	\$13,528,922	\$14,597,690	\$15,732,329
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Efficiency Case Wholesale Water Costs

Shoreline Load - 2011 Peak Months Off-peak months Total	544,384 697,881 1,242,265	44% 56%					<- Percentage split based on historic usage <- Percentage split based on historic usage
Shoreline Load - 2020 Peak Months Off-peak months	576,122 738,567	44% 56%					<- Using historic %'s, and 2020 projection of water use <- Using historic %'s, and 2020 projection of water use
Total Contract Amount	1,314,689						<- Based on 2020 CCF water usage projection
Peak Months Off-peak months	665,421 853,045	44% 56%					<- Based on same % split from 2011 loads <- Based on same % split from 2011 loads
Total	1,518,466						<- Assumed from 2020 Load; includes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019	_
Peak Months	\$1,510,505						<- Based on Contract Amount and SPU System Baseline Rates
Off-peak months	\$1,305,159						<- Based on Contract Amount and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201	<- Forecast increased by Inflation, SPU escalation, and change in Total Revenues

Wholesale Rates

	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Efficiency Case Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
Expenses										
Wholesale Water Supply	\$3,443,399	\$3,570,466	\$3,702,358	\$3,839,263	\$3,981,377	\$4,128,903	\$4,282,055	\$4,441,051	\$4,606,123	\$4,777,508
Non-Supply O&M	\$4,483,137	\$4,689,361	\$4,905,072	\$5,130,705	\$5,366,718	\$5,613,587	\$5,871,812	\$6,141,915	\$6,424,443	\$6,719,967
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$9,566,512	\$9,983,842	\$10,419,852	\$10,875,397	\$11,351,372	\$11,848,715	\$12,368,407	\$12,911,474	\$13,478,993	\$14,072,087
Net Operating Funds	\$5,374,807	\$5,723,037	\$6,092,380	\$6,484,080	\$6,899,451	\$7,339,889	\$7,806,865	\$8,301,942	\$8,826,768	\$9,383,090
Debt Service Coverage Ratio	1.8	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1
Debt payments - Initial	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636
Net Cash Flow before CIP	\$2,349,171	\$2,697,401	\$3,066,744	\$3,458,443	\$3,873,815	\$4,314,253	\$4,781,229	\$5,276,306	\$5,801,132	\$6,357,454
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$14,412,236	\$15,058,238	\$15,588,491	\$16,142,614	\$16,721,702	\$17,326,901	\$17,959,410	\$18,620,484	\$19,311,438	\$20,033,646
Net Revenue - Available for Mains Replacement	\$529,083	\$648,641	\$923,741	\$1,216,862	\$1,529,121	\$1,861,703	\$2,215,862	\$2,592,932	\$2,994,322	\$3,421,532
Net Revenue as Percent of Total Revenue	3.5%	4.1%	5.6%	7.0%	8.4%	9.7%	11.0%	12.2%	13.4%	14.6%
Target Mains Deplesement per Verr	62.040.000	62 144 205	62 242 004	62 246 074	62 452 004	60 F66 879	62 CQ4 054	62 808 4C2	62 027 CE4	¢2 072 702
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Cumulative Mains Replacement	\$529,083	\$1,177,724	\$2,101,465	\$3,318,327	\$4,847,449	\$6,709,152	\$8,925,014	\$11,517,946	\$14,512,268	\$17,933,800
Percent Total Mains Replacement Funded	0.8%	1.7%	3.0%	4.7%	6.9%	9.6%	12.7%	16.4%	20.7%	25.6%

Shoreline Muncipal Water Utility - Updated Efficiency Case Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
Expenses											
Wholesale Water Supply	\$4,953,646	\$5,147,834	\$5,349,783	\$5,559,812	\$5,778,251	\$6,005,443	\$6,241,747	\$6,487,536	\$6,743,198	\$7,009,139	\$7,285,781
Non-Supply O&M	\$7,029,086	\$7,352,424	\$3,349,783 \$7,690,635	\$8,044,404	\$8,414,447	\$8,801,512	\$9,206,381	\$9,629,875	\$10,072,849	\$10,536,200	\$11,020,865
	\$7,029,080	\$7,552,424 \$0	\$7,090,033 \$0	\$8,044,404 \$0	\$8,414,447 \$0	\$8,801,512 \$0	\$9,200,381 \$0	\$9,029,873 \$0	\$10,072,849 \$0	\$10,550,200 \$0	\$11,020,803 \$0
Operations	\$0 \$0	30 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	30 \$0	30 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Engineering	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Pumping Treatment	\$0 \$0	30 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	30 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
	\$0 \$0					\$0 \$0		\$0 \$0		\$0 \$0	
Distribution System	1 -	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0		\$0 ¢0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 ¢0
Fire Hydrants	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0				\$0 ¢0
Customer Service incl. meter reading	\$0	\$0 ¢0	\$0 ¢0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$14,689,291	\$15,352,100	\$16,045,422	\$16,770,690	\$17,529,404	\$18,323,138	\$19,153,542	\$20,022,342	\$20,931,349	\$21,882,463	\$22,877,673
Net Operating Funds	\$9,967,806	\$10,628,124	\$11,329,639	\$12,074,846	\$12,866,390	\$13,707,073	\$14,599,866	\$15,547,916	\$16,554,558	\$17,623,327	\$18,757,965
Debt Service Coverage Ratio	3.3	3.5	3.7	4.0	4.3	4.5	4.8	5.1	5.5	5.8	6.2
Debt payments - Initial	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636	\$3,025,636
Net Cash Flow before CIP	\$6,942,170	\$7,602,488	\$8,304,003	\$9,049,210	\$9,840,754	\$10,681,437	\$11,574,230	\$12,522,280	\$13,528,922	\$14,597,690	\$15,732,329
			. , ,		. , ,					. , ,	<u> </u>
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Total Expenses	\$20,785,902	\$21,589,976	\$22,431,061	\$23,310,889	\$24,231,273	\$25,194,114	\$26,201,403	\$27,255,225	\$28,357,766	\$29,511,316	\$30,718,274
Net Revenue - Available for Mains Replacement	\$3,871,195	\$4,390,248	\$4,944,000	\$5,534,647	\$6,164,521	\$6,836,098	\$7,552,005	\$8,315,033	\$9,128,142	\$9,994,474	\$10,917,365
Net Revenue - Available for Mains Replacement	15.7%	16.9%	18.1%	19.2%	20.3%	21.3%	22.4%	23.4%	24.4%	25.3%	26.2%
Target Mains Replacement per Year	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
• • •	\$3,214,131 \$21,804,995		.,,,	\$3,678,397 \$36,673,891	.,,,						\$5,039,418 \$95,581,528
Cumulative Mains Replacement		\$26,195,243	\$31,139,244		\$42,838,412	\$49,674,509	\$57,226,514 81.7%	\$65,541,547	\$74,669,689	\$84,664,163	
Percent Total Mains Replacement Funded	31.1%	37.4%	44.5%	52.4%	61.2%	70.9%	81.7%	93.6%	106.6%	120.9%	136.5%

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
Conception Cost							
Separation Cost Option:	В3	\$7,688,042	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5	63	<i>Ş1,</i> 088,042	\$3,336,300	2012	2020	1	Ling Report Table 7
Choices. 7, 51, 52, 55, 54, 55							
Upfront Costs		\$10,737,171	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)	i cui o	\$42,434,303	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$1,844,970	\$1,430,518				
Ongoing CIP	1	\$1,762,795	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,583,519	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$850,805	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$633,408	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,410,420	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,478,152	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing				
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Low	-10.0%	0%	-10%	10%		
Operating Costs Sensitivity	Low	-10.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
-							
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0 \$	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415		05	• • • • • • • • •	
Administrative	No	\$0	\$0		Shorelii	he water Sy	ystem Financial Analysis Appendix P

Shoreline Muncipal Water Utility - Updated Case A Revenue Forecast

Revenue Forecast										
		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	<u>\$5.59</u>	<u>\$4.53</u>	<u>\$4.87</u>	\$5.24	<u>\$5.64</u>	<u>\$5.92</u>	<u>\$6.22</u>	<u>\$6.53</u>	<u>\$6.86</u>	<u>\$7.20</u>
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	38,366	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	82.5	82.5	<u>82.5</u>
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Shoreline Muncipal Water Utility - Updated Case A Revenue Forecast

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>									
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u> 117.9	<u>82.5</u> 117.9	<u>82.5</u> 117.9	<u>82.5</u> 117.8						
Customers	117.9	117.9	117.9	117.0	117.0	117.0	117.0	117.0	117.8	117.8
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	9,928 276	9,940 279	283	286	9,999 290	293
Commercial	423	426	429	432	435	437	283 440	286 443	290 446	293 449
MMRD	423	428	429	452	455	457	440	445	440	449
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
other	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365
	11,149	11,1/2	11,190	11,220	11,244	11,208	11,292	11,510	11,540	11,505

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	38,366									
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>										
	117.7	118.1	118.5	119.0	119.4	119.8	120.2	120.6	121.1	121.5	121.9
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.6%	5.00/	5.00/	5.00/	F 00/	5.00/
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Revenue I	Forecast
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Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,583,519	\$1,656,361	\$1,732,553	\$1,812,251	\$1,895,614	\$1,982,813	\$2,074,022	\$2,169,427	\$2,269,221	\$2,373,605
Materials & Supplies	\$850,805	\$889,942	\$930,879	\$973,700	\$1,018,490	\$1,065,340	\$1,114,346	\$1,165,606	\$1,219,224	\$1,275,308
Employee Benefits	\$633,408	\$662,545	\$693,022	\$724,901	\$758,246	\$793,126	\$829,609	\$867,772	\$907,689	\$949,443
Administrative	\$1,410,420	\$1,475,300	\$1,543,163	\$1,614,149	\$1,688,400	\$1,766,066	\$1,847,305	\$1,932,281	\$2,021,166	\$2,114,140
Total	\$4,478,152	\$4,684,147	\$4,899,618	\$5,125,000	\$5,360,750	\$5,607,345	\$5,865,283	\$6,135,086	\$6,417,300	\$6,712,495

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118
Upfront Costs	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468
Total Initial Debt	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955
Amount Available for Cash CIP	\$2,450,837	\$2,799,297	\$3,168,880	\$3,560,830	\$3,976,464	\$4,417,176	\$4,884,440	\$5,379,816	\$5,904,956	\$6,461,607
Required CIP by Year	\$1,762,795	\$1,843,884	\$1,928,703	\$2,017,423	\$2,110,224	\$2,207,295	\$2,308,830	\$2,415,037	\$2,526,128	\$2,642,330
Required CIP Funded by Year	\$1,820,088	\$1,843,884	\$1,928,703	\$2,017,423	\$2,110,224	\$2,207,295	\$2,308,830	\$2,415,037	\$2,526,128	\$2,642,330
Mains Replacement - Equal Over 23 Years	\$1,844,970	\$1,929,838	\$2,018,611	\$2,111,467	\$2,208,594	\$2,310,190	\$2,416,459	\$2,527,616	\$2,643,886	\$2,765,505
Percent of Mains Funded for the Year	34%	50%	61%	73%	84%	96%	107%	117%	128%	138%
Mains Replacement - Amount Funded	\$630,749	\$955,413	\$1,240,177	\$1,543,407	\$1,866,239	\$2,209,881	\$2,575,609	\$2,964,779	\$3,378,828	\$3,819,277
Total CIP By Year	\$2,450,837	\$2,799,297	\$3,168,880	\$3,560,830	\$3,976,464	\$4,417,176	\$4,884,440	\$5,379,816	\$5,904,956	\$6,461,607
DSC	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.2
Surplus	\$630,749	\$955,413	\$1,240,177	\$1,543,407	\$1,866,239	\$2,209,881	\$2,575,609	\$2,964,779	\$3,378,828	\$3,819,277
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$2,450,837	\$2,799,297	\$3,168,880	\$3,560,830	\$3,976,464	\$4,417,176	\$4,884,440	\$5,379,816	\$5,904,956	\$6,461,607
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,482,791	\$2,596,999	\$2,716,461	\$2,841,418	\$2,972,123	\$3,108,841	\$3,251,848	\$3,401,433	\$3,557,899	\$3,721,562	\$3,892,754
Materials & Supplies	\$1,333,972	\$1,395,335	\$1,459,520	\$1,526,658	\$1,596,885	\$1,670,341	\$1,747,177	\$1,827,547	\$1,911,614	\$1,999,549	\$2,091,528
Employee Benefits	\$993,117	\$1,038,800	\$1,086,585	\$1,136,568	\$1,188,850	\$1,243,537	\$1,300,740	\$1,360,574	\$1,423,161	\$1,488,626	\$1,557,103
Administrative	\$2,211,390	\$2,313,114	\$2,419,517	\$2,530,815	\$2,647,233	\$2,769,005	\$2,896,380	\$3,029,613	\$3,168,975	\$3,314,748	\$3,467,227
Total	\$7,021,270	\$7,344,249	\$7,682,084	\$8,035,460	\$8,405,091	\$8,791,725	\$9,196,145	\$9,619,167	\$10,061,649	\$10,524,485	\$11,008,611

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118	\$500,118
Upfront Costs	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468	\$698,468
Total Initial Debt	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955
Amount Available for Cash CIP	\$7,046,667	\$7,707,345	\$8,409,235	\$9,154,836	\$9,946,791	\$10,787,905	\$11,681,148	\$12,629,669	\$13,636,804	\$14,706,087	\$15,841,265
Required CIP by Year	\$2,763,877	\$2,891,016	\$3,024,002	\$3,163,106	\$3,308,609	\$3,460,805	\$3,620,002	\$3,786,523	\$3,960,703	\$4,142,895	\$4,333,468
Required CIP Funded by Year	\$2,763,877	\$2,891,016	\$3,024,002	\$3,163,106	\$3,308,609	\$3,460,805	\$3,620,002	\$3,786,523	\$3,960,703	\$4,142,895	\$4,333,468
Mains Replacement	\$2,892,718	\$3,025,783	\$3,164,969	\$3,310,558	\$3,462,843	\$3,622,134	\$3,788,752	\$3,963,035	\$4,145,334	\$4,336,020	\$4,535,477
Percent of Mains Funded	148%	159%	170%	181%	192%	202%	213%	223%	233%	244%	254%
Mains Replacement - Amount Fun	\$4,282,789	\$4,816,329	\$5,385,233	\$5,991,729	\$6,638,182	\$7,327,099	\$8,061,146	\$8,843,146	\$9,676,101	\$10,563,192	\$11,507,797
Total CIP By Year	\$7,046,667	\$7,707,345	\$8,409,235	\$9,154,836	\$9,946,791	\$10,787,905	\$11,681,148	\$12,629,669	\$13,636,804	\$14,706,087	\$15,841,265
DSC	3.4	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.7	6.0	6.4
Surplus	\$4,282,789	\$4,816,329	\$5,385,233	\$5,991,729	\$6,638,182	\$7,327,099	\$8,061,146	\$8,843,146	\$9,676,101	\$10,563,192	\$11,507,797
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$7,046,667	\$7,707,345	\$8,409,235	\$9,154,836	\$9,946,791	\$10,787,905	\$11,681,148	\$12,629,669	\$13,636,804	\$14,706,087	\$15,841,265
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case A Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	738,567	56%					<- Using historic	%'s, and 2020	projection of water use
Total	1,314,689						<- Based on 2020	CCF water us	sage projection
Contract Amount									
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads
Off-peak months	853,045	56%					<- Based on same	e % split from	2011 loads
Total	1,518,466						<- Assumed from	2020 Load; ir	ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,510,505						- Based on Cont	ract Amount	and SPU System Baseline Rates
Off-peak months	\$1,305,159						<- Based on Cont	ract Amount	and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201			ion, SPU escalation,
							and change in		
Wholesale Rates									
	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year	·		31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case A Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
Expenses										
Wholesale Water Supply	\$3,443,399	\$3,570,466	\$3,702,358	\$3,839,263	\$3,981,377	\$4,128,903	\$4,282,055	\$4,441,051	\$4,606,123	\$4,777,508
Non-Supply O&M	\$4,478,152	\$4,684,147	\$4,899,618	\$5,125,000	\$5,360,750	\$5,607,345	\$5,865,283	\$6,135,086	\$6,417,300	\$6,712,495
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$9,561,527	\$9,978,628	\$10,414,398	\$10,869,692	\$11,345,405	\$11,842,473	\$12,361,878	\$12,904,645	\$13,471,849	\$14,064,615
Net Operating Funds	\$5,379,791	\$5,728,251	\$6,097,834	\$6,489,784	\$6,905,419	\$7,346,130	\$7,813,394	\$8,308,771	\$8,833,911	\$9,390,562
Debt Service Coverage Ratio	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.2
Debt payments - Initial	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955
Net Cash Flow before CIP	\$2,450,837	\$2,799,297	\$3,168,880	\$3,560,830	\$3,976,464	\$4,417,176	\$4,884,440	\$5,379,816	\$5,904,956	\$6,461,607
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$0 \$1,820,088	\$0 \$1,843,884	\$1,928,703	\$2,017,423	\$0 \$2,110,224	\$0 \$2,207,295	\$0 \$2,308,830	\$0 \$2,415,037	\$0 \$2,526,128	\$2,642,330
Total Expenses (with Debt & CIP)	\$14,310,570	\$14,751,466	\$15,272,055	\$15,816,069	\$16,384,584	\$16,978,723	\$17,599,663	\$18,248,636	\$18,926,932	\$19,635,900
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Net Revenue - Available for Mains Replacement	\$630,749	\$955,413	\$1,240,177	\$1,543,407	\$1,866,239	\$2,209,881	\$2,575,609	\$2,964,779	\$3,378,828	\$3,819,277
Net Revenue as Percent of Total Revenue	4.2%	6.1%	7.5%	8.9%	10.2%	11.5%	12.8%	14.0%	15.1%	16.3%
Target Mains Replacement per Year	\$1,844,970	\$1,929,838	\$2,018,611	\$2,111,467	\$2,208,594	\$2,310,190	\$2,416,459	\$2,527,616	\$2,643,886	\$2,765,505
Cumulative Mains Replacement	\$630,749	\$1,586,161	\$2,826,338	\$4,369,745	\$6,235,984	\$8,445,865	\$11,021,474	\$13,986,254	\$17,365,082	\$21,184,359
Percent Total Mains Replacement Funded	1.0%	2.5%	4.5%	6.9%	9.9%	13.4%	17.5%	22.2%	27.6%	33.6%

Shoreline Muncipal Water Utility - Updated Case A Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
Expenses											
Wholesale Water Supply	\$4,953,646	\$5,147,834	\$5,349,783	\$5,559,812	\$5,778,251	\$6,005,443	\$6,241,747	\$6,487,536	\$6,743,198	\$7,009,139	\$7,285,781
Non-Supply O&M	\$7,021,270	\$7,344,249	\$7,682,084	\$8,035,460	\$8,405,091	\$8,791,725	\$9,196,145	\$9,619,167	\$10,061,649	\$10,524,485	\$11,008,611
Operations	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Pumping	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$14,681,476	\$15,343,925	\$16,036,871	\$16,761,745	\$17,520,048	\$18,313,352	\$19,143,305	\$20,011,634	\$20,920,150	\$21,870,748	\$22,865,419
Net Operating Funds	\$9,975,621	\$10,636,299	\$11,338,190	\$12,083,790	\$12,875,746	\$13,716,859	\$14,610,103	\$15,558,624	\$16,565,758	\$17,635,042	\$18,770,219
Debt Service Coverage Ratio	3.4	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.7	6.0	6.4
Debt payments - Initial	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955	\$2,928,955
Net Cash Flow before CIP	\$7,046,667	\$7,707,345	\$8,409,235	\$9,154,836	\$9,946,791	\$10,787,905	\$11,681,148	\$12,629,669	\$13,636,804	\$14,706,087	\$15,841,265
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$2,763,877	\$2,891,016	\$3,024,002	\$3,163,106	\$3,308,609	\$3,460,805	\$3,620,002	\$3,786,523	\$3,960,703	\$4,142,895	\$4,333,468
Total Expenses	\$20,374,308	\$21,163,896	\$21,989,828	\$22,853,806	\$23,757,612	\$24,703,112	\$25,692,262	\$26,727,111	\$27,809,807	\$28,942,598	\$30,127,842
Net Revenue - Available for Mains Replacement	\$4,282,789	\$4,816,329	\$5,385,233	\$5,991,729	\$6,638,182	\$7,327,099	\$8,061,146	\$8,843,146	\$9,676,101	\$10,563,192	\$11,507,797
Net Revenue - Available for Mains Replacement	17.4%	18.5%	19.7%	20.8%	21.8%	22.9%	23.9%	24.9%	25.8%	26.7%	27.6%
Target Mains Replacement per Year	\$2,892,718	\$3,025,783	\$3,164,969	\$3,310,558	\$3,462,843	\$3,622,134	\$3,788,752	\$3,963,035	\$4,145,334	\$4,336,020	\$4,535,477
Cumulative Mains Replacement	\$25,467,149	\$30,283,477	\$35,668,710	\$41,660,440	\$48,298,621	\$55,625,720	\$63,686,866	\$72,530,012	\$82,206,113	\$92,769,305	\$104,277,102
Percent Total Mains Replacement Funded	40.4%	48.1%	56.6%	541,000,440 66.1%	,948,298,021 76.6%	88.3%	101.1%	372,330,012 115.1%	130.4%	147.2%	165.5%
	.3.470		20.070	00.170	, 0.0/0	00.070	101.170	110.170	100.470	1	100.070

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
		\$20,000,000	\$20,000,000	2020	2020	0	
Separation Cost							
Option:	B3	\$6,652,264	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$9,290,598	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)	rearb	\$36,361,558	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$1,580,937	\$1,430,518				5
Ongoing CIP	1	\$1,510,523	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,356,903	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$729,047	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$542,761	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,208,576	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$3,837,287	\$3,472,185	2012	2020		0
Use of Facilities/Other Revenues		\$61,397	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Low	3.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Low	2.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Low	2.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Low	4.0%	5.0%	4.0%	7.0%		
Borrowing term	Low	30	30	30	30		
Debt Ratio for Purchase	Low	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Low	-10.0%	0%	-10%	10%		
Operating Costs Sensitivity	Low	-10.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Low	-10.0%	0%	-10%	10%		
Load Growth Sensitivity	Low	-0.5%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
THE AND							
Efficiency Savings	N	ćo.	¢200.000				
Upfront Costs	No	\$0 ¢0	-\$390,000				
Labor	No	\$0 ¢0	-\$267,325				
Materials & Supplies	No	\$0	\$0 \$76.415				
Employee Benefits	No	\$0 \$0	-\$76,415	Cha	orolino Mator S	votom Eina	ncial Analysis Appendix Page 45
Administrative	No	\$0	\$0	500	senne water S	ystem rina	ncial Allalysis Appellulx Page 45

Persons 2011 Actual 2010 2013 2014 2015 2016 2017 2018 2019 Residential \$53495.47 \$51798.35 \$5078.35 \$5078.355 \$5708.432 \$5178.537 \$712.537 \$7789 \$913.53 \$528.51 \$548.51 \$548.51 \$548.51 \$548.51 \$548.51 \$548.51 <th>Revenue Forecast</th> <th></th>	Revenue Forecast										
pesdential 55,459,947 55,679,825 56,078,185 56,431,049 56,839,003 56,953,256 57,009,422 57,187,277 57,477,065 57,425,805 Commercial 51,452,301 51,232,122 51,212,122 51,212,122 51,213,123 51,21,212 51,213 52,21,214 51,212,212 <td< th=""><th>_</th><th></th><th>Adjusted</th><th>Forecast</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	_		Adjusted	Forecast							
Multi-Family 598,677 51,014,676 51,123,122 51,242,020 51,349,513 51,545,349 51,503,345 52,21,613 <											
Commercial \$1,42,391 \$1,73,393 \$1,93,040 \$2,138,163 \$2,288,392 \$2,382,593 \$2,470,026 \$2,561,524 MMRD \$224,812 \$237,562 \$271,625 \$271,625 \$332,344 \$332,345 \$338,292 \$342,609 \$324,141 \$322,055 JB3 597 \$173,653 \$187,065 \$217,441 \$222,324 \$230,381 \$227,0046 \$214,141 \$222,055 JCH \$323,344 \$316,395 \$11,066,776 \$11,342,328 \$11,604,584 \$11,873,739 \$12,433,568 Average Rate \$26,575 \$5,75 \$5,75 \$5,10 \$6,74 \$7,42 \$5,74 \$5,810 \$8,25 Commercial \$5,67 \$5,67 \$5,10 \$6,712 \$7,76 \$5,813 \$8,88 \$8,63 \$8,89 Fire \$700,09 \$190,56 \$252,53 \$22,74 \$5,75 \$24,763 \$25,661 \$52,75 \$25,81 \$24,712 \$25,763 \$24,843 \$26,663 \$25,765 \$25,12 \$25,84 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
MMRD 522.48.12 527.96.22 529.17.43 531.16.39 533.2.41 5339.360 \$366.439 Pire \$139.497 \$151.976 \$139.0261 \$139.0261 \$239.590 \$221.441 \$220.031 \$224.731 \$222.033 Other \$139.027 \$177.51 \$9,539.118 \$10.237.76 \$11.342.328 \$11.604.584 \$11.873.73 \$12.443.997 \$12.433.956 Average Nate Average Nate Average Nate Average Nate \$10.087.76 \$11.342.328 \$11.604.584 \$11.873.733 \$12.449.997 \$12.433.568 Average Nate Average Nate Average Nate S10.057.75 \$11.342.328 \$11.604.584 \$11.873.733 \$12.443.5568 Average Nate Statistic	,										
Fire \$139.407 \$151.974 \$156.875 \$176.603 \$190.261 \$220.348 \$207.904 \$214.141 \$220.355 Other \$139.307 \$517.568 \$127.641 \$221.441 \$220.355 \$201.431 \$222.0355 Total \$58,458.920 \$5,017.751 \$9,539.118 \$10.293,786 \$11.086,776 \$11.342,328 \$11.604,584 \$11.873,739 \$12.4141 \$222.0355 Average Rate \$10.575 \$7.50 \$5.57 \$5.67 \$6.10 \$6.74 \$7.42 \$7.64 \$7.82 \$8.11 \$8.35 \$8.60 Commercial \$5.567 \$5.610 \$6.74 \$7.42 \$7.64 \$7.87 \$8.11 \$8.58 \$8.60 Cher \$5.09 \$5.43 \$5.24.85 \$5.257 \$5.25.10 \$526.06 \$526.57 \$5.75 \$5.75 \$5.757 \$5.857 \$24.51 \$527.57 \$525.10 \$526.001 \$65.19 \$527.57 Total \$5.86 \$5.72 \$7.86 \$5.857 \$52.41<											
Other \$193.997 \$173.683 \$107.051 \$50.87.056 \$201.831 \$217.411 \$223.068 \$223.068 \$227.603 \$24.47.21 \$252.073 Total \$50.07.751 \$50.87.056 \$51.08.776 \$11.342.328 \$11.04.584 \$217.401 \$223.068 \$227.603 \$24.47.21 \$252.063 Average Rate Residential \$7.50 \$7.50 \$5.86 \$56.47 \$7.12 \$7.33 \$7.87 \$8.11 \$8.23 \$8.80 Multi-hamily \$5.53 \$5.86 \$5.67 \$5.767 \$7.90 \$8.13 \$8.88 \$8.63 \$8.80 Ommercial \$5.58 \$5.612 \$5.60 \$7.12 \$7.76 \$7.90 \$8.13 \$8.88 \$8.63 \$8.80 Fire \$50.09 \$100.56 \$205.23 \$221.44 \$238.57 \$52.84 \$6.01 \$5.19 \$6.33 \$5.67 Other \$5.59 \$5.43 \$7.42 \$7.30 \$9.30 \$9.28 \$9.955 \$9.33 Other \$5.5											
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Residential 57.50 57.90 57.96 58.59 59.25 59.53 59.82 51.01.1 51.0.41 51.0.73 Multi-Family 55.67 55.67 56.10 56.74 57.12 57.33 57.57 58.11 58.83 58.83 58.80 MMRD 55.88 56.12 56.60 57.12 57.67 57.90 58.13 58.83 58.83 58.89 Fire 570.09 519.05 520.52 52.21.44 52.86 55.01 55.19 52.86.1 55.01 55.83 55.83 55.83 55.83 55.83 55.83 55.83 55.83 55.93 59.83 55.83 55.93 59.83 55.84 55.91 52.84 55.91 52.84 59.02 59.83 55.83 59.93 59.83 59.83 59.83 59.83 59.93 59.83 59.91 70.94 70.94 70.94 70.94 70.94 70.44 70.4 70.4 70.4 70.4 70.4 70.4	Total	\$8,458,920	\$9,017,751	\$9,539,118	\$10,293,786	\$11,086,776	\$11,342,328	\$11,604,584	\$11,873,739	\$12,149,997	\$12,433,568
Multi-Family \$5.30 \$5.30 \$5.86 \$6.47 \$7.12 \$7.33 \$7.55 \$7.78 \$8.01 \$8.35 Commercial \$5.67 \$5.67 \$6.10 \$6.74 \$7.42 \$7.64 \$7.37 \$8.11 \$8.35 \$8.60 MMRD \$5.88 \$6.12 \$6.60 \$7.12 \$7.67 \$7.90 \$8.13 \$8.83 \$8.63 \$8.60 Other \$5.59 \$4.53 \$4.88 \$5.26 \$5.67 \$5.87 \$9.02 \$9.28 \$9.55 \$9.83 CCF 726.57 720,40 710,944 701,768 692,711 Multi-Family 180,869 191,226 191,01191,977 192,353 192,730 193,108 193,487 193,666 194,246 Commercial 256,160 282,534 284,997 286,273 288,160 290,060 291,973 293,898 295,836 297,787 MMRD 38,206 38,366 38,366 38,366 38,366 38,366	Average Rate										
Commercial S5.67 S5.67 S6.10 S6.74 S7.42 S7.64 S7.87 S8.11 S8.35 S8.60 MMRD S5.88 S6.12 S6.60 S7.12 S7.67 S7.90 S8.13 S8.83 S8.60 S8.60 Fire S700.99 S190.56 S205.23 S22.144 S238.57 S25.51 S25.50 S58.51 S5.67 S58.61 S5.19 S56.33 S26.57 S58.71 S58.51 S58.75 S9.32 S9.55 S9.83 CCF Residential 732.074 768.573 758.654 748.862 739.197 720.657 720.240 710.944 701.768 692.711 Multi-Family 180.889 191.225 191.601 191.977 123.33 192.730 193.108 193.487 193.366 194.246 Commercial 256.160 282.541 243.970 262.713 283.816 292.787 754.778 MMRD 38.208 44.679 44.2227 43.793 42.918 <	Residential	\$7.50	\$7.50	\$7.96	\$8.59	\$9.25	\$9.53	\$9.82	\$10.11	\$10.41	\$10.73
commercial \$5.67 \$5.67 \$6.10 \$6.74 \$7.42 \$7.64 \$7.87 \$8.11 \$8.35 \$8.60 MMRD \$5.88 \$6.12 \$6.60 \$7.12 \$7.67 \$7.90 \$8.13 \$8.83 \$8.63 \$8.80 Fire \$700.99 \$190.56 \$205.23 \$22.144 \$238.57 \$245.73 \$52.51.01 \$260.69 \$25.83 \$25.57 Other \$5.59 \$6.81 \$5.60 \$7.24 \$7.86 \$8.51 \$58.76 \$59.02 \$59.28 \$59.55 \$9.83 CF Residential 732.074 768.573 758.654 748,862 739.197 720.667 720.240 710.944 701.768 692.711 Multi-Family 180.89 191.226 191.601 192.573 228.316 239.060 291.973 238.826 239.787 MMRD 38.208 44.679 44.232 43.790 83.252 42.918 42.489 42.064 41.644 41.227 Fire	Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.12	\$7.33	\$7.55	\$7.78	\$8.01	\$8.25
MMRD \$5,88 \$6,512 \$6,60 \$7,12 \$7,67 \$7,90 \$8,13 \$8,38 \$8,63 \$5,829 Fire \$5,00.99 \$190.56 \$205.23 \$521.44 \$238.57 \$245.73 \$253.10 \$260.69 \$268.51 \$276.57 Total \$6.81 \$6.80 \$7.24 \$7.86 \$8.51 \$8.76 \$9.02 \$9.28 \$9.55 \$9.83 CCF T< T< T< T T T T T </td <td>Commercial</td> <td>\$5.67</td> <td>\$5.67</td> <td></td> <td>\$6.74</td> <td>\$7.42</td> <td>\$7.64</td> <td>\$7.87</td> <td>\$8.11</td> <td>\$8.35</td> <td>\$8.60</td>	Commercial	\$5.67	\$5.67		\$6.74	\$7.42	\$7.64	\$7.87	\$8.11	\$8.35	\$8.60
Fire \$700.99 \$190.56 \$205.23 \$221.44 \$238.57 \$245.73 \$253.10 \$260.69 \$268.51 \$276.57 Other \$5.59 \$4.53 \$4.88 \$52.66 \$5.67 \$5.84 \$6.01 \$6.19 \$6.38 \$5.83 Other \$6.81 \$6.80 \$7.24 \$7.86 \$8.51 \$8.76 \$9.02 \$9.28 \$5.83 \$5.83 CCF 180,889 191,226 191,601 191,977 129,537 720,240 710,944 701,768 692,711 Multi-family 180,889 191,226 191,601 191,977 129,353 192,730 133,108 193,487 193,866 194,246 41,227 Commercial 256,160 282,514 284,397 248,160 290,060 291,973 293,898 293,898 798 798 798 798 798 798 798 798 798 798 798 798 798 798 798 798 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
Other \$5.59 \$4.53 \$4.88 \$5.26 \$5.67 \$5.84 \$6.01 \$6.19 \$6.81 \$6.53 \$6.57 Total \$6.81 \$5.80 \$7.24 \$7.86 \$8.51 \$8.76 \$9.02 \$9.28 \$9.55 \$5.83 CC 78.654 739,197 729,657 720,240 701,768 692,711 Multi-family 180.889 191,226 191,601 191,977 192,333 192,730 193,108 193,487 193,868 692,717 MMRD 38,208 44,679 44,232 43,790 43,352 42,4918 42,469 42,064 41,644 41,227 Fire 199 798 798 798 798 798 798 798 726,63 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366											
Total \$6.81 \$6.80 \$7.24 \$7.86 \$8.51 \$8.76 \$9.02 \$9.28 \$9.55 \$9.83 CCF Residential 732,074 768,573 758,654 748,862 739,197 729,657 720,240 710,944 701,768 692,711 Multi-family 180,889 191,226 191,097 192,353 192,730 193,108 193,487 193,866 194,246 Commercial 256,160 282,534 284,397 286,273 288,160 290,060 291,973 293,888 295,836 297,787 MMRD 38,208 44,679 44,323 43,350 42,489 42,064 41,644 41,227 Fire 199 798 730 <											
Residential732,074768,573758,654748,862739,197729,657720,240710,944701,768692,711Multi-Family180,889191,226191,601191,977192,353192,730193,108193,487193,866194,246Commercial256,160282,534284,397286,273288,106290,060291,973293,898295,836297,847MMRD38,20844,67944,22243,79043,35242,91842,48942,06441,64441,227Fire199798704704704704704706.170.470.											
Residential732,074768,573758,654748,862739,197729,657720,240710,944701,768692,711Multi-Family180,889191,226191,601191,977192,353192,730193,108193,487193,866194,246Commercial256,160282,534284,397286,273288,106290,060291,973293,898295,836297,847MMRD38,20844,67944,22243,79043,35242,91842,48942,06441,64441,227Fire199798704704704704704706.170.470.	CCE										
Multi-Family180,889191,226191,601191,977192,353192,730193,108193,487193,866194,246Commercial256,1602282,534228,3972285,273228,160229,073229,8982295,8362297,787MMRD38,20844,67944,23243,79043,35242,91842,48942,06441,64441,227Fire199978796766.571.272,77812,272,778 <td< td=""><td></td><td>722 074</td><td></td><td>759 654</td><td>749.963</td><td>720 107</td><td>720 (177</td><td>720 240</td><td>710.044</td><td>701 709</td><td>CO2 711</td></td<>		722 074		759 654	749.963	720 107	720 (177	720 240	710.044	701 709	CO2 711
Commercial 256,160 282,534 284,397 286,273 288,160 290,060 291,973 293,898 295,836 297,787 MMRD 38,208 44,679 44,232 43,790 43,352 42,918 42,489 42,064 41,644 41,227 Fire 199 798 79.6 70.4 70.6.1 70.4		,	,	,	,	,	-	,	,	,	,
MMRD 38,208 44,679 44,322 43,790 43,352 42,918 42,489 42,064 41,644 41,227 Fire 199 798 1,242,257 1,25,155 T 1,264,150 1,265,155 1,265,155 1,265,155 1,265,155 T 1,265,155 T 1,265,155 T 1,265,155 T 1,265,155 T T T T T T T T T T T T	,	,	-	,		-	-	,		,	
Fire199798798798798798798798798798798798Other34,73538,36636,3636,3636,3636,3636,3636,3636,36<										-	
Other Total 34,735 38,366 36,36 36,36 36,3		-	-	-	-	-			-		
Total 1,242,265 1,326,177 1,318,048 1,300,065 1,302,226 1,294,530 1,276,577 1,272,278 1,265,135 CCF per Customer Residential 75.7 79.5 78.3 77.1 75.9 74.8 73.7 72.6 71.5 70.4 Multi-Family 766.5 810.3 802.2 794.2 786.2 778.4 770.6 762.9 755.2 747.7 Commercial 642.0 708.1 70											
CCF per Customer Residential 75.7 79.5 78.3 77.1 75.9 74.8 73.7 72.6 71.5 70.4 Multi-Family 766.5 810.3 802.2 794.2 786.2 778.4 770.6 762.9 755.2 747.7 Commercial 642.0 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 10,622.3 10,516.1 10,410.9 10,306.8 MMRD 9,552.0 11,169.8 11,058.1 10,947.5 10,838.0 10,729.6 10,622.3 10,516.1 10,410.9 10,306.8 Other .15 5 9 5.9 5											
Residential75.779.578.377.175.974.873.772.671.570.4Multi-Family766.5810.3802.2794.2786.2778.4770.6762.9755.2747.7Commercial642.0708.170	Total	1,242,265	1,326,177	1,318,048	1,310,065	1,302,226	1,294,530	1,286,974	1,279,557	1,272,278	1,265,135
Multi-Family766.5810.3802.2794.2786.2778.4770.6762.9755.2747.7Commercial642.0708.1 </td <td>CCF per Customer</td> <td></td>	CCF per Customer										
Commercial642.0708.1708.1708.1708.1708.1708.1708.1708.1708.1MMRD9,552.011,169.811,058.110,947.510,838.010,729.610,622.310,516.110,410.910,306.8Fire1.55.95.95.95.95.95.95.95.95.9Other74.782.5 <td>Residential</td> <td>75.7</td> <td>79.5</td> <td>78.3</td> <td>77.1</td> <td>75.9</td> <td>74.8</td> <td>73.7</td> <td>72.6</td> <td>71.5</td> <td>70.4</td>	Residential	75.7	79.5	78.3	77.1	75.9	74.8	73.7	72.6	71.5	70.4
MMRD9,552.011,169.811,058.110,947.510,838.010,729.610,622.310,516.110,410.910,306.8Fire1.55.95.95.95.95.95.95.95.95.95.9Other74.782.5 <td>Multi-Family</td> <td>766.5</td> <td>810.3</td> <td>802.2</td> <td>794.2</td> <td>786.2</td> <td>778.4</td> <td>770.6</td> <td>762.9</td> <td>755.2</td> <td>747.7</td>	Multi-Family	766.5	810.3	802.2	794.2	786.2	778.4	770.6	762.9	755.2	747.7
Fire1.55.95.95.95.95.95.95.95.95.9Other74.782.582.582.582.582.582.582.582.582.5113.9121.5120.5119.5118.5117.5116.6115.6114.7113.8Customersrrr <t< td=""><td>Commercial</td><td>642.0</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td></t<>	Commercial	642.0	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1
Other 74.7 82.5 <t< td=""><td>MMRD</td><td>9,552.0</td><td>11,169.8</td><td>11,058.1</td><td>10,947.5</td><td>10,838.0</td><td>10,729.6</td><td>10,622.3</td><td>10,516.1</td><td>10,410.9</td><td>10,306.8</td></t<>	MMRD	9,552.0	11,169.8	11,058.1	10,947.5	10,838.0	10,729.6	10,622.3	10,516.1	10,410.9	10,306.8
113.9121.5120.5119.5118.5117.5116.6115.6114.7113.8CustomersResidential9,6719,6719,6929,7129,7339,7539,7749,7959,8169,837Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD4444444444Fire136136136136136136136136136136Other465465465465465465465465465465465465465	Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Customers Residential 9,671 9,671 9,692 9,712 9,733 9,753 9,774 9,795 9,816 9,837 Multi-Family 236 236 239 242 245 248 251 254 257 260 Commercial 399 399 402 404 407 410 412 415 418 421 MMRD 4<	Other	<u>74.7</u>	82.5	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>
Residential9,6719,6719,6929,7129,7339,7539,7749,7959,8169,837Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD4444444444Fire136136136136136136136136136136Other465465465465465465465465465465465465		113.9	121.5	120.5	119.5	118.5	117.5	116.6	115.6	114.7	113.8
Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD44444444444Fire136136136136136136136136136136136Other465465465465465465465465465465465	Customers										
Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD44444444444Fire136136136136136136136136136136136Other465465465465465465465465465465465	Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Commercial 399 399 402 404 407 410 412 415 418 421 MMRD 4	Multi-Family		-		-	-	-		254	-	-
MMRD 4 5 4 136 <th136< th=""> <th136< th=""> <th136< th=""></th136<></th136<></th136<>	•										
Fire 136											
Other <u>465</u>											
		10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$7,553,812	\$7,716,397	\$7,882,482	\$8,052,141	\$8,225,451	\$8,402,493	\$8,583,344	\$8,768,088	\$8,956,809	\$9,149,591
Multi-Family	\$1,654,613	\$1,712,120	\$1,771,625	\$1,833,199	\$1,896,912	\$1,962,840	\$2,031,060	\$2,101,650	\$2,174,694	\$2,250,276
Commercial	\$2,655,767	\$2,746,593	\$2,840,525	\$2,937,670	\$3,038,137	\$3,142,040	\$3,249,497	\$3,360,628	\$3,475,560	\$3,594,423
MMRD	\$373,658	\$381,981	\$390,490	\$399,188	\$408,080	\$417,170	\$426,463	\$435,962	\$445,673	\$455,601
Fire	\$227,182	\$232,828	\$238,613	\$244,543	\$250,620	\$256,848	\$263,230	\$269,772	\$276,475	\$283,346
Other	<u>\$259,635</u>	<u>\$267,424</u>	<u>\$275,447</u>	<u>\$283,711</u>	<u>\$292,222</u>	<u>\$300,989</u>	<u>\$310,018</u>	<u>\$319,319</u>	<u>\$328,898</u>	<u>\$338,765</u>
Total	\$12,724,668	\$13,057,343	\$13,399,183	\$13,750,451	\$14,111,423	\$14,482,379	\$14,863,612	\$15,255,419	\$15,658,110	\$16,072,002
Average Rate										
Residential	\$11.05	\$11.38	\$11.72	\$12.07	\$12.43	\$12.81	\$13.19	\$13.59	\$13.99	\$14.41
Multi-Family	\$8.50	\$8.76	\$9.02	\$9.29	\$9.57	\$9.86	\$10.15	\$10.46	\$10.77	\$11.09
Commercial	\$8.86	\$9.13	\$9.40	\$9.68	\$9.97	\$10.27	\$10.58	\$10.90	\$11.22	\$11.56
MMRD	\$9.15	\$9.43	\$9.71	\$10.00	\$10.30	\$10.61	\$10.93	\$11.26	\$11.60	\$11.95
Fire	\$284.86	\$293.41	\$302.21	\$311.28	\$320.62	\$330.24	\$340.14	\$350.35	\$360.86	\$371.68
Other	<u>\$6.77</u>	<u>\$6.97</u>	<u>\$7.18</u>	<u>\$7.39</u>	<u>\$7.62</u>	<u>\$7.85</u>	<u>\$8.08</u>	<u>\$8.32</u>	<u>\$8.57</u>	<u>\$8.83</u>
Total	\$10.11	\$10.41	\$10.71	\$11.03	\$11.35	\$11.68	\$12.02	\$12.38	\$12.74	\$13.11
CCF										
Residential	683,771	678,143	672,563	667,028	661,538	656,094	650,695	645,340	640,029	634,762
Multi-Family	194,627	195,526	196,428	197,335	198,246	199,162	200,081	201,005	201,933	202,865
Commercial	299,750	300,972	302,200	303,432	304,669	305,911	307,158	308,411	309,668	310,931
MMRD	40,815	40,509	40,205	39,904	39,604	39,307	39,012	38,720	38,429	38,141
Fire	798	794	790	786	782	778	774	770	766	762
Other	<u>38,366</u>									
Total	1,258,126	1,254,310	1,250,551	1,246,850	1,243,206	1,239,618	1,236,087	1,232,611	1,229,192	1,225,828
CCF per Customer										
Residential	69.4	68.7	68.0	67.3	66.6	66.0	65.3	64.7	64.0	63.4
Multi-Family	740.2	734.7	729.1	723.7	718.2	712.9	707.5	702.2	696.9	691.7
Commercial	708.1	706.3	704.6	702.8	701.1	699.3	697.6	695.8	694.1	692.3
MMRD	10,203.8	10,127.2	10,051.3	9,975.9	9,901.1	9,826.8	9,753.1	9,680.0	9,607.4	9,535.3
Fire	5.9	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.6	5.6
Other	<u>82.5</u>									
	112.8	112.3	111.7	111.1	110.6	110.0	109.5	108.9	108.4	107.9
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$9,346,523	\$9,578,784	\$9,816,817	\$10,060,765	\$10,310,775	\$10,566,998	\$10,829,588	\$11,098,703	\$11,374,506	\$11,657,162	\$11,946,843
Multi-Family	\$2,329,257	\$2,421,049	\$2,516,457	\$2,615,626	\$2,718,702	\$2,825,841	\$2,937,201	\$3,052,950	\$3,173,261	\$3,298,312	\$3,428,292
Commercial	\$3,745,301	\$3,863,681	\$3,985,803	\$4,111,785	\$4,241,748	\$4,375,820	\$4,514,129	\$4,656,810	\$4,804,001	\$4,955,844	\$5,112,486
MMRD	\$466,922	\$479,728	\$492,884	\$506,401	\$520,289	\$534,558	\$549,219	\$564,281	\$579,756	\$595,656	\$611,992
ire	\$290,387	\$297,603	\$304,999	\$312,578	\$320,345	\$328,306	\$336,464	\$344,825	\$353,394	\$362,176	\$371,176
Dther	<u>\$348,928</u>	<u>\$359,396</u>	<u>\$370,178</u>	<u>\$381,283</u>	<u>\$392,722</u>	<u>\$404,503</u>	<u>\$416,639</u>	<u>\$429,138</u>	\$442,012	<u>\$455,272</u>	<u>\$468,930</u>
Total	\$16,527,319	\$17,000,241	\$17,487,138	\$17,988,438	\$18,504,582	\$19,036,026	\$19,583,239	\$20,146,707	\$20,726,930	\$21,324,423	\$21,939,720
Average Rate											
Residential	\$14.85	\$15.29	\$15.75	\$16.22	\$16.71	\$17.21	\$17.73	\$18.26	\$18.81	\$19.37	\$19.95
Multi-Family	\$11.43	\$11.77	\$12.12	\$12.48	\$12.86	\$13.24	\$13.64	\$14.05	\$14.47	\$14.91	\$15.35
Commercial	\$11.91	\$12.26	\$12.63	\$13.01	\$13.40	\$13.80	\$14.22	\$14.64	\$15.08	\$15.54	\$16.00
MMRD	\$12.30	\$12.67	\$13.05	\$13.44	\$13.85	\$14.26	\$14.69	\$15.13	\$15.59	\$16.05	\$16.53
ire	\$382.83	\$394.32	\$406.15	\$418.33	\$430.88	\$443.81	\$457.12	\$470.84	\$484.96	\$499.51	\$514.50
Dther	<u>\$9.09</u>	<u>\$9.37</u>	<u>\$9.65</u>	<u>\$9.94</u>	<u>\$10.24</u>	<u>\$10.54</u>	<u>\$10.86</u>	<u>\$11.19</u>	<u>\$11.52</u>	<u>\$11.87</u>	<u>\$12.22</u>
Total	\$13.49	\$13.89	\$14.30	\$14.72	\$15.15	\$15.59	\$16.05	\$16.52	\$17.01	\$17.50	\$18.02
CCF											
Residential	629,538	626,391	623,259	620,142	617,042	613,956	610,887	607,832	604,793	601,769	598,760
Multi-Family	203,870	205,732	207,611	209,507	211,421	213,352	215,301	217,267	219,252	221,254	223,275
Commercial	314,546	315,037	315,529	316,021	316,514	317,008	317,503	317,999	318,495	318,992	319,490
MMRD	37,951	37,856	37,761	37,667	37,572	37,479	37,385	37,291	37,198	37,105	37,012
ire	759	755	751	747	743	740	736	732	729	725	721
Dther	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>							
Total	1,225,029	1,224,135	1,223,276	1,222,450	1,221,658	1,220,901	1,220,177	1,219,487	1,218,832	1,218,211	1,217,625
CCF per Customer											
Residential	62.7	62.4	62.1	61.8	61.5	61.2	60.9	60.6	60.3	60.0	59.7
/lulti-Family	688.3	684.8	681.4	678.0	674.6	671.2	667.9	664.5	661.2	657.9	654.6
Commercial	695.8	692.3	688.9	685.4	682.0	678.6	675.2	671.8	668.4	665.1	661.8
MMRD	9,487.6	9,463.9	9,440.3	9,416.7	9,393.1	9,369.6	9,346.2	9,322.8	9,299.5	9,276.3	9,253.1
ire	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.3	5.3
Dther	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>							
	107.6	107.4	107.3	107.1	107.0	106.9	106.7	106.6	106.5	106.3	106.2
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
/lulti-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
ire	136	136	136	136	136	136	136	136	136	136	136
Dther	465	465	465	465	465	465	465	465	465	465	465

-0.3%

-21% -15% -2% -15% -5% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%
Multi-Family	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Commercial	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%
Multi-Family	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.61%	-0.61%	-0.60%	-0.59%	-0.58%	-0.58%	-0.57%	-0.56%
Automatic Data la marca								
Average Rate Increase	C 10/	7.00/	7 70/	2.00/	2.0%	2.0%	2.0%	2.0%
Residential	6.1%	7.9%	7.7%	3.0%	3.0%	3.0%	3.0%	3.0%
Multi-Family	10.6%	10.4%	10.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Commercial	7.6%	10.5%	10.0%	3.0%	3.0%	3.0%	3.0%	3.0%
MMRD	7.7%	7.9%	7.7%	3.0%	3.0%	3.0%	3.0%	3.0%
Fire	7.7%	7.9%	7.7%	3.0%	3.0%	3.0%	3.0%	3.0%
Other	7.7%	7.9%	7.7%	3.0%	3.0%	3.0%	3.0%	3.0%

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.50%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-1.00%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%
Commercial	0.00%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	-1.00%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%
Fire	0.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Total CCF Growth										
Residential	0.20%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%
Multi-Family	0.66%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%
Commercial	-1.00%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%
MMRD	0.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.55%	-0.30%	-0.30%	-0.30%	-0.29%	-0.29%	-0.28%	-0.28%	-0.28%	-0.27%
Average Rate Increase										
Residential	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Multi-Family	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Commercial	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
MMRD	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Fire	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Other	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
•	5.075	5.070	5.070	3.070	5.070	5.070	3.070	5.070	5.670	3.070

Revenue	Forecast
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Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Total CCF Growth											
Residential	-0.82%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	0.50%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	1.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Total	-0.07%	-0.07%	-0.07%	-0.07%	-0.06%	-0.06%	-0.06%	-0.06%	-0.05%	-0.05%	-0.05%
Average Bate Increase											
Average Rate Increase Residential	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Multi-Family	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
•											
Commercial	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
MMRD	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Fire	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Other	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,356,903	\$1,392,182	\$1,428,379	\$1,465,517	\$1,503,620	\$1,542,714	\$1,582,825	\$1,623,978	\$1,666,202	\$1,709,523
Materials & Supplies	\$729,047	\$748,002	\$767,450	\$787,404	\$807,876	\$828,881	\$850,432	\$872,543	\$895,229	\$918,505
Employee Benefits	\$542,761	\$556,873	\$571,352	\$586,207	\$601,449	\$617,086	\$633,130	\$649,592	\$666,481	\$683,810
Administrative	\$1,208,576	\$1,239,999	\$1,272,239	\$1,305,317	\$1,339,255	\$1,374,076	\$1,409,802	\$1,446,457	\$1,484,065	\$1,522,650
Total	\$3,837,287	\$3,937,056	\$4,039,420	\$4,144,445	\$4,252,200	\$4,362,757	\$4,476,189	\$4,592,570	\$4,711,977	\$4,834,488

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281
Separation Cost B3	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701
Upfront Costs	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276
Total Initial Debt	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258
Amount Available for Cash CIP	\$2,368,017	\$2,506,595	\$2,649,380	\$2,796,508	\$2,948,118	\$3,104,354	\$3,265,364	\$3,431,304	\$3,602,332	\$3,778,612
Required CIP by Year	\$1,510,523	\$1,549,797	\$1,590,091	\$1,631,434	\$1,673,851	\$1,717,371	\$1,762,023	\$1,807,835	\$1,854,839	\$1,903,065
Required CIP Funded by Year	\$1,820,088	\$1,549,797	\$1,590,091	\$1,631,434	\$1,673,851	\$1,717,371	\$1,762,023	\$1,807,835	\$1,854,839	\$1,903,065
Mains Replacement - Equal Over 23 Years	\$1,580,937	\$1,622,042	\$1,664,215	\$1,707,484	\$1,751,879	\$1,797,428	\$1,844,161	\$1,892,109	\$1,941,304	\$1,991,778
Percent of Mains Funded for the Year	35%	59%	64%	68%	73%	77%	82%	86%	90%	94%
Mains Replacement - Amount Funded	\$547,929	\$956,798	\$1,059,289	\$1,165,075	\$1,274,267	\$1,386,983	\$1,503,342	\$1,623,469	\$1,747,493	\$1,875,547
Total CIP By Year	\$2,368,017	\$2,506,595	\$2,649,380	\$2,796,508	\$2,948,118	\$3,104,354	\$3,265,364	\$3,431,304	\$3,602,332	\$3,778,612
DSC	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5
Surplus	\$547,929	\$956,798	\$1,059,289	\$1,165,075	\$1,274,267	\$1,386,983	\$1,503,342	\$1,623,469	\$1,747,493	\$1,875,547
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$2,368,017	\$2,506,595	\$2,649,380	\$2,796,508	\$2,948,118	\$3,104,354	\$3,265,364	\$3,431,304	\$3,602,332	\$3,778,612
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$1,753,970	\$1,799,574	\$1,846,363	\$1,894,368	\$1,943,622	\$1,994,156	\$2,046,004	\$2,099,200	\$2,153,779	\$2,209,777	\$2,267,232
Materials & Supplies	\$942,386	\$966,888	\$992,027	\$1,017,820	\$1,044,284	\$1,071,435	\$1,099,292	\$1,127,874	\$1,157,199	\$1,187,286	\$1,218,155
Employee Benefits	\$701,589	\$719,830	\$738,546	\$757,748	\$777,449	\$797,663	\$818,402	\$839,681	\$861,512	\$883,912	\$906,893
Administrative	\$1,562,239	\$1,602,857	\$1,644,532	\$1,687,290	\$1,731,159	\$1,776,169	\$1,822,350	\$1,869,731	\$1,918,344	\$1,968,221	\$2,019,394
Total	\$4,960,185	\$5,089,150	\$5,221,468	\$5,357,226	\$5,496,514	\$5,639,423	\$5,786,048	\$5,936,485	\$6,090,834	\$6,249,195	\$6,411,675

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281
Separation Cost	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701	\$384,701
Upfront Costs	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276	\$537,276
Total Initial Debt	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258
Amount Available for Cash CIP	\$3,979,973	\$4,192,112	\$4,411,319	\$4,637,832	\$4,871,901	\$5,113,781	\$5,363,738	\$5,622,048	\$5,888,995	\$6,164,874	\$6,449,988
Required CIP by Year	\$1,952,544	\$2,003,311	\$2,055,397	\$2,108,837	\$2,163,667	\$2,219,922	\$2,277,640	\$2,336,859	\$2,397,617	\$2,459,955	\$2,523,914
Required CIP Funded by Year	\$1,952,544	\$2,003,311	\$2,055,397	\$2,108,837	\$2,163,667	\$2,219,922	\$2,277,640	\$2,336,859	\$2,397,617	\$2,459,955	\$2,523,914
Mains Replacement	\$2,043,564	\$2,096,697	\$2,151,211	\$2,207,142	\$2,264,528	\$2,323,406	\$2,383,814	\$2,445,793	\$2,509,384	\$2,574,628	\$2,641,568
Percent of Mains Funded	99%	104%	110%	115%	120%	125%	129%	134%	139%	144%	149%
Mains Replacement - Amount Fun	\$2,027,428	\$2,188,802	\$2,355,922	\$2,528,995	\$2,708,234	\$2,893,859	\$3,086,098	\$3,285,190	\$3,491,378	\$3,704,919	\$3,926,075
Total CIP By Year	\$3,979,973	\$4,192,112	\$4,411,319	\$4,637,832	\$4,871,901	\$5,113,781	\$5,363,738	\$5,622,048	\$5,888,995	\$6,164,874	\$6,449,988
DSC	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6
Surplus	\$2,027,428	\$2,188,802	\$2,355,922	\$2,528,995	\$2,708,234	\$2,893,859	\$3,086,098	\$3,285,190	\$3,491,378	\$3,704,919	\$3,926,075
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$3,979,973	\$4,192,112	\$4,411,319	\$4,637,832	\$4,871,901	\$5,113,781	\$5,363,738	\$5,622,048	\$5,888,995	\$6,164,874	\$6,449,988
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case C Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	551,335	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	706,791	56%					<- Using historic	%'s, and 2020	projection of water use
Total	1,258,126						<- Based on 2020) CCF water u	sage projection
Contract Amount									
Peak Months	636,792	44%					<- Based on same	e % split from	2011 loads
Off-peak months	816,344	56%					<- Based on same	e % split from	2011 loads
Total	1,453,136						<- Assumed from	2020 Load; ir	ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,445,518						Based on Cont	ract Amount	and SPU System Baseline Rates
Off-peak months	\$1,249,006								and SPU System Baseline Rates
Total	\$2,694,524	\$2,745,563	\$2,797,776	\$2,851,194	\$2,905,849	\$2,961,773	<- Forecast incre	ased by Inflat	ion, SPU escalation,
							and change in		
Wholesale Rates									
Wholesale nates	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year	ų 1.120	<i>\</i> 1.51	18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)				• / •			
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case C Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$12,724,668	\$13,057,343	\$13,399,183	\$13,750,451	\$14,111,423	\$14,482,379	\$14,863,612	\$15,255,419	\$15,658,110	\$16,072,002
Use of Facilities Charges	\$61,397	\$63,239	\$65,136	\$67,090	\$69,103	\$71,176	\$73,312	\$75,511	\$77,776	\$80,109
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$12,786,065	\$13,120,582	\$13,464,319	\$13,817,542	\$14,180,526	\$14,553,556	\$14,936,923	\$15,330,930	\$15,735,886	\$16,152,112
Expenses										
Wholesale Water Supply	\$2,717,100	\$2,776,579	\$2,837,465	\$2,899,794	\$2,963,601	\$3,028,925	\$3,095,804	\$3,164,278	\$3,234,387	\$3,306,173
Non-Supply O&M	\$3,837,287	\$3,937,056	\$4,039,420	\$4,144,445	\$4,252,200	\$4,362,757	\$4,476,189	\$4,592,570	\$4,711,977	\$4,834,488
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$639,924	\$656,654	\$673,845	\$691,510	\$709,663	\$728,319	\$747,491	\$767,195	\$787,446	\$808,261
City of Shoreline Tax Expense (franchise fee)	\$763,480	\$783,441	\$803,951	\$825,027	\$846,685	\$868,943	\$891,817	\$915,325	\$939,487	\$964,320
Total Operating Expenses	\$7,957,790	\$8,153,730	\$8,354,681	\$8,560,776	\$8,772,150	\$8,988,944	\$9,211,301	\$9,439,368	\$9,673,296	\$9,913,242
Net Operating Funds	\$4,828,275	\$4,966,853	\$5,109,638	\$5,256,766	\$5,408,376	\$5,564,612	\$5,725,622	\$5,891,562	\$6,062,590	\$6,238,870
Debt Service Coverage Ratio	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5
Debt payments - Initial	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258
Net Cash Flow before CIP	\$2,368,017	\$2,506,595	\$2,649,380	\$2,796,508	\$2,948,118	\$3,104,354	\$3,265,364	\$3,431,304	\$3,602,332	\$3,778,612
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$1,549,797	\$1,590,091	\$1,631,434	\$1,673,851	\$1,717,371	\$1,762,023	\$1,807,835	\$1,854,839	\$1,903,065
Total Expenses (with Debt & CIP)	\$12,238,136	\$12,163,784	\$12,405,030	\$12,652,467	\$12,906,259	\$13,166,573	\$13,433,581	\$13,707,461	\$13,988,393	\$14,276,565
Net Revenue - Available for Mains Replacement	\$547,929	\$956,798	\$1,059,289	\$1,165,075	\$1,274,267	\$1,386,983	\$1,503,342	\$1,623,469	\$1,747,493	\$1,875,547
Net Revenue as Percent of Total Revenue	4.3%	7.3%	7.9%	8.4%	9.0%	9.5%	10.1%	10.6%	11.1%	11.6%
	A	A. 600.017	A	A	A	A	A. a :	44 000 455	A	4. oo. r
Target Mains Replacement per Year	\$1,580,937	\$1,622,042	\$1,664,215	\$1,707,484	\$1,751,879	\$1,797,428	\$1,844,161	\$1,892,109	\$1,941,304	\$1,991,778
Cumulative Mains Replacement	\$547,929	\$1,504,727	\$2,564,016	\$3,729,090	\$5,003,357	\$6,390,340	\$7,893,682	\$9,517,150	\$11,264,643	\$13,140,190
Percent Total Mains Replacement Funded	1.3%	3.5%	5.9%	8.6%	11.5%	14.7%	18.2%	21.9%	25.9%	30.3%

Shoreline Muncipal Water Utility - Updated Case C Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$16,527,319	\$17,000,241	\$17,487,138	\$17,988,438	\$18,504,582	\$19,036,026	\$19,583,239	\$20,146,707	\$20,726,930	\$21,324,423	\$21,939,720
Use of Facilities Charges	\$82,513	\$84,988	\$87,538	\$90,164	\$92,869	\$95,655	\$98,525	\$101,480	\$104,525	\$107,660	\$110,890
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$16,609,832	\$17,085,229	\$17,574,675	\$18,078,601	\$18,597,451	\$19,131,681	\$19,681,764	\$20,248,187	\$20,831,454	\$21,432,083	\$22,050,610
Expenses											
Wholesale Water Supply	\$3,386,618	\$3,468,752	\$3,552,975	\$3,639,341	\$3,727,908	\$3,818,736	\$3,911,884	\$4,007,416	\$4,105,394	\$4,205,885	\$4,308,957
Non-Supply O&M	\$4,960,185	\$5,089,150	\$5,221,468	\$5,357,226	\$5,496,514	\$5,639,423	\$5,786,048	\$5,936,485	\$6,090,834	\$6,249,195	\$6,411,675
Operations	\$0	\$0,005,150	\$0	\$0,557,220	\$0,450,514 \$0	\$3,033,423 \$0	\$0,700,040	\$0,550,405	\$0,050,054 \$0	\$0,245,155 \$0	\$0,411,675 \$0
Engineering	\$0 \$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0	\$0	\$0 \$0	\$0	\$0 \$0
Treatment	\$0 \$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0
Distribution System	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0
Customer Service incl. meter reading	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0
Administrative & General	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0	\$0	\$0	\$0
State Tax Expense	\$831,159	\$854,942	\$879,428	\$904,639	\$930,595	\$957,322	\$984,841	\$1,013,178	\$1,042,357	\$1,072,405	\$1,103,348
City of Shoreline Tax Expense (franchise fee)	\$991,639	\$1,020,014	\$1,049,228	\$1,079,306	\$1,110,275	\$1,142,162	\$1,174,994	\$1,208,802	\$1,243,616	\$1,279,465	\$1,316,383
Total Operating Expenses	\$10,169,601	\$10,432,858	\$10,703,098	\$10,980,511	\$11,265,292	\$11,557,642	\$11,857,768	\$12,165,881	\$12,482,201	\$12,806,951	\$13,140,364
Net Operating Funds	\$6,440,231	\$6,652,370	\$6,871,577	\$7,098,090	\$7,332,159	\$7,574,039	\$7,823,996	\$8,082,306	\$8,349,253	\$8,625,132	\$8,910,246
	<i>90,440,231</i>	<i>40,032,370</i>	<i>\$6,671,577</i>	\$7,050,050	<i>\$7,552,155</i>	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	\$7,023,330	<i>40,002,000</i>	<i>\$0,543,233</i>	<i>\$6,023,132</i>	\$0,510,240
Debt Service Coverage Ratio	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6
Debt payments - Initial	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258	\$2,460,258
Net Cash Flow before CIP	\$3,979,973	\$4,192,112	\$4,411,319	\$4,637,832	\$4,871,901	\$5,113,781	\$5,363,738	\$5,622,048	\$5,888,995	\$6,164,874	\$6,449,988
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,952,544	\$2,003,311	\$2,055,397	\$2,108,837	\$2,163,667	\$2,219,922	\$2,277,640	\$2,336,859	\$2,397,617	\$2,459,955	\$2,523,914
Total Expenses	\$14,582,403	\$14,896,427	\$15,218,753	\$15,549,606	\$15,889,217	\$16,237,822	\$16,595,666	\$16,962,998	\$17,340,076	\$17,727,164	\$18,124,535
Net Revenue - Available for Mains Replacement	\$2,027,428	\$2,188,802	\$2,355,922	\$2,528,995	\$2,708,234	\$2,893,859	\$3,086,098	\$3,285,190	\$3,491,378	\$3,704,919	\$3,926,075
Net Revenue - Available for Mains Replacement	12.2%	12.8%	13.4%	14.0%	14.6%	15.1%	15.7%	16.2%	16.8%	17.3%	17.8%
Target Mains Replacement per Year	\$2,043,564	\$2,096,697	\$2,151,211	\$2,207,142	\$2,264,528	\$2,323,406	\$2,383,814	\$2,445,793	\$2,509,384	\$2,574,628	\$2,641,568
Cumulative Mains Replacement	\$15,167,619	\$17,356,420	\$19,712,343	\$22,241,338	\$24,949,572	\$27,843,430	\$30,929,529	\$34,214,718	\$37,706,097	\$41,411,015	\$45,337,090
Percent Total Mains Replacement Funded	34.9%	40.0%	45.4%	51.2%	57.4%						

Basic Assumptions

Capital Costs		2020 Value	Base Case	Year \$	Year spent	Years IDC	
Purchase Price		\$26,600,000	\$26,600,000	2020	2020	0	
Separation Cost							
Option:	B3	\$8,542,269	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$11,930,190	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518				
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Low	-10.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sho	oreline Water S	system Fina	ncial Analysis Appendix Page 57

Revenue Forecast			- .							
-	2044 4 4 4	Adjusted	Forecast		2014	2015	2016	2017	2040	2040
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	\$5.59	<u>\$4.53</u>	\$4.87	\$5.24	\$5.64	<u>\$5.92</u>	\$6.22	\$6.53	\$6.86	\$7.20
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
	722.074		762 505	756 404	750 544	744 505	720 700	722.074	727.007	724 246
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>								
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
other	<u>405</u> 10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122
	10,911	10,911	10,957	10,905	10,569	11,010	11,042	11,009	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	\$450,042
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>								
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	<u>82.5</u>								
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
/IMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
ire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
otal	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CF											
esidential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
/lulti-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
ommercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
IMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
ire	798	798	798	798	798	798	798	798	798	798	798
Dther	<u>38,366</u>										
otal	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CF per Customer											
esidential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
/lulti-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
ommercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
IMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
ire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u> 117.7	<u>82.5</u> 118.1	<u>82.5</u> 118.5	<u>82.5</u> 119.0	<u>82.5</u> 119.4	<u>82.5</u> 119.8	<u>82.5</u> 120.2	<u>82.5</u> 120.6	<u>82.5</u> 121.1	<u>82.5</u> 121.5	<u>82.5</u> 121.9
ustomers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
/lulti-Family	296	300	305	309	313	318	322	327	332	336	341
ommercial	452	455	458	461	464	467	470	473	476	480	483
/IMRD	4	4	4	4	4	4	4	4	4	4	4
ire	136	136	136	136	136	136	136	136	136	136	136
Dther	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

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Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.60/	5.00/	5.00/	5.00/	5.00/	5.00/
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

0.18% 1.22% 0.66% 0.00% 0.00% 0.00% 0.21%
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Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

1 0										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$2,164,428	\$2,502,706	\$2,861,537	\$3,242,135	\$3,645,786	\$4,073,851	\$4,527,771	\$5,009,069	\$5,519,359	\$6,060,349
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	17%	21%	32%	43%	53%	63%	73%	83%	92%	102%
Mains Replacement - Amount Funded	\$344,340	\$453,946	\$718,534	\$1,000,554	\$1,301,092	\$1,621,302	\$1,962,404	\$2,325,695	\$2,712,550	\$3,124,427
Total CIP By Year	\$2,164,428	\$2,502,706	\$2,861,537	\$3,242,135	\$3,645,786	\$4,073,851	\$4,527,771	\$5,009,069	\$5,519,359	\$6,060,349
DSC	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.8	3.0
Surplus	\$344,340	\$453,946	\$718,534	\$1,000,554	\$1,301,092	\$1,621,302	\$1,962,404	\$2,325,695	\$2,712,550	\$3,124,427
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$2,164,428	\$2,502,706	\$2,861,537	\$3,242,135	\$3,645,786	\$4,073,851	\$4,527,771	\$5,009,069	\$5,519,359	\$6,060,349
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$6,628,714	\$7,272,924	\$7,957,473	\$8,684,812	\$9,457,541	\$10,278,414	\$11,150,353	\$12,076,450	\$13,059,986	\$14,104,437	\$15,213,488
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	111%	121%	131%	141%	150%	160%	169%	179%	188%	197%	206%
Mains Replacement - Amount Fun	\$3,557,739	\$4,060,684	\$4,597,470	\$5,170,249	\$5,781,308	\$6,433,075	\$7,128,128	\$7,869,203	\$8,659,205	\$9,501,221	\$10,398,523
Total CIP By Year	\$6,628,714	\$7,272,924	\$7,957,473	\$8,684,812	\$9,457,541	\$10,278,414	\$11,150,353	\$12,076,450	\$13,059,986	\$14,104,437	\$15,213,488
DSC	3.2	3.4	3.6	3.8	4.1	4.4	4.6	4.9	5.3	5.6	6.0
Surplus	\$3,557,739	\$4,060,684	\$4,597,470	\$5,170,249	\$5,781,308	\$6,433,075	\$7,128,128	\$7,869,203	\$8,659,205	\$9,501,221	\$10,398,523
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$6,628,714	\$7,272,924	\$7,957,473	\$8,684,812	\$9,457,541	\$10,278,414	\$11,150,353	\$12,076,450	\$13,059,986	\$14,104,437	\$15,213,488
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case C Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	olit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	olit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	738,567	56%					<- Using historic	%'s, and 2020	projection of water use
Total	1,314,689						<- Based on 2020	0 CCF water u	sage projection
Contract Amount									
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads
Off-peak months	853,045	56%					<- Based on same	e % split from	2011 loads
Total	1,518,466								ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,510,505						- Based on Cont	tract Amount	and SPU System Baseline Rates
Off-peak months	\$1,305,159								and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201	<- Forecast incre and change in		ion, SPU escalation, es
Wholesale Rates									
_	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case C Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
Furning										
Expenses	¢2,000,050	¢2 212 420	¢2 222 422	62 455 227	¢2 502 220	62 746 012	62.052.040	¢2.000.040	<u> </u>	64 200 757
Wholesale Water Supply	\$3,099,059	\$3,213,420	\$3,332,122	\$3,455,337	\$3,583,239	\$3,716,013	\$3,853,849	\$3,996,946	\$4,145,511	\$4,299,757
Non-Supply O&M	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328
Operations	\$0	\$0 ¢0	\$0 ¢0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$9,714,759	\$10,142,042	\$10,588,564	\$11,055,210	\$11,542,906	\$12,052,621	\$12,585,371	\$13,142,216	\$13,724,270	\$14,332,697
Net Operating Funds	\$5,226,559	\$5,564,837	\$5,923,668	\$6,304,266	\$6,707,917	\$7,135,982	\$7,589,902	\$8,071,200	\$8,581,490	\$9,122,480
Debt Service Coverage Ratio	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.8	3.0
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$2,164,428	\$2,502,706	\$2,861,537	\$3,242,135	\$3,645,786	\$4,073,851	\$4,527,771	\$5,009,069	\$5,519,359	\$6,060,349
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$14,596,978	\$15,252,933	\$15,793,698	\$16,358,922	\$16,949,731	\$17,567,302	\$18,212,869	\$18,887,721	\$19,593,210	\$20,330,751
Net Revenue - Available for Mains Replacement	\$344,340	\$453,946	\$718,534	\$1,000,554	\$1,301,092	\$1,621,302	\$1,962,404	\$2,325,695	\$2,712,550	\$3,124,427
Net Revenue as Percent of Total Revenue	2.3%	2.9%	4.4%	5.8%	7.1%	8.4%	9.7%	11.0%	12.2%	13.3%
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Cumulative Mains Replacement	\$344,340	\$798,286	\$1,516,820	\$2,517,374	\$3,818,467	\$5,439,768	\$7,402,172	\$9,727,867	\$12,440,417	\$15,564,843
Percent Total Mains Replacement Funded	0.5%	1.1%	2.2%	3.6%	5.5%	7.8%	10.6%	13.9%	17.8%	22.2%
referre foral many replacement funded	5.570	1.1/0	2.270	5.070	5.570	7.070	10.070	13.570	17.070	22.270

Shoreline Muncipal Water Utility - Updated Case C Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
Expenses											
Wholesale Water Supply	\$4,458,282	\$4,633,050	\$4,814,805	\$5,003,831	\$5,200,426	\$5,404,899	\$5,617,572	\$5,838,782	\$6,068,878	\$6,308,225	\$6,557,203
Non-Supply O&M	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$14,966,252	\$15,645,170	\$16,355,458	\$17,098,593	\$17,876,122	\$18,689,666	\$19,540,924	\$20,431,677	\$21,363,791	\$22,339,222	\$23,360,020
Net Operating Funds	\$9,690,845	\$10,335,055	\$11,019,604	\$11,746,943	\$12,519,672	\$13,340,545	\$14,212,484	\$15,138,581	\$16,122,117	\$17,166,568	\$18,275,619
Debt Service Coverage Ratio	3.2	3.4	3.6	3.8	4.1	4.4	4.6	4.9	5.3	5.6	6.0
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$6,628,714	\$7,272,924	\$7,957,473	\$8,684,812	\$9,457,541	\$10,278,414	\$11,150,353	\$12,076,450	\$13,059,986	\$14,104,437	\$15,213,488
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Total Expenses	\$21,099,358	\$21,919,540	\$22,777,591	\$23,675,287	\$24,614,486	\$25,597,136	\$26,625,280	\$27,701,055	\$28,826,702	\$30,004,569	\$31,237,115
Net Revenue - Available for Mains Replacement	\$3,557,739	\$4,060,684	\$4,597,470	\$5,170,249	\$5,781,308	\$6,433,075	\$7,128,128	\$7,869,203	\$8,659,205	\$9,501,221	\$10,398,523
Net Revenue - Available for Mains Replacement	14.4%	15.6%	16.8%	17.9%	19.0%	20.1%	21.1%	22.1%	23.1%	24.1%	25.0%
Target Mains Replacement per Year	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Cumulative Mains Replacement	\$19,122,582	\$23,183,267	\$27,780,737	\$32,950,986	\$38,732,294	\$45,165,369	\$52,293,496	\$60,162,699	\$68,821,904	\$78,323,125	\$88,721,648
Percent Total Mains Replacement Funded	27.3%	33.1%	39.7%	47.1%	55.3%	64.5%	74.7%	85.9%	98.3%	111.8%	126.7%

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
Separation Cost							
Separation Cost Option:	B3	\$8,460,914	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							0
Upfront Costs		\$11,816,569	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years	6 4 7 4 40 226	622 004 000	2012	2020		
Mains Replacement (Total)	22	\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518	2012	2020		Fre Depart Table 14
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Low	4.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings		4.0	4				
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0 ¢0	\$0 \$76.445				
Employee Benefits	No	\$0 \$0	-\$76,415				
Administrative	No	\$0	\$0	Sr	noreline vvater S	ystem Fina	ncial Analysis Appendix Page 69

Revenue Forecast			- .							
-	2044 4 4 4	Adjusted	Forecast			2015	2016	2017	2040	2040
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	, \$7.41	, \$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	\$5.59	<u>\$4.53</u>	\$4.87	\$5.24	<u>\$5.64</u>	<u>\$5.92</u>	<u>\$6.22</u>	<u>\$6.53</u>	<u>\$6.86</u>	\$7.20
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>								
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	413	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
other	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122
	10,911	10,911	10,337	10,505	10,009	11,010	11,042	11,009	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>									
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	82.5	<u>82.5</u>	82.5	82.5	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>										
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>										
	117.7	118.1	118.5	119.0	119.4	119.8	120.2	120.6	121.1	121.5	121.9
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase								
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Shoreline Muncipal Water Utility - Updated Case D Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase	F 00/	5.00/	5.00/	5.00/	5.00/	5.00/	5.00/	5.00/	5.00/	5.00/
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Shoreline Muncipal Water Utility - Updated Case D Revenue Forecast

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

1 0										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281
Separation Cost B3	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295
Upfront Costs	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683 <i>,</i> 353
Total Initial Debt	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929
Amount Available for Cash CIP	\$2,171,289	\$2,496,861	\$2,842,503	\$3,209,410	\$3,598,850	\$4,012,163	\$4,450,767	\$4,916,165	\$5,409,948	\$5,933,800
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	17%	21%	31%	41%	51%	61%	70%	80%	89%	98%
Mains Replacement - Amount Funded	\$351,201	\$448,101	\$699,500	\$967,829	\$1,254,156	\$1,559,613	\$1,885,400	\$2,232,791	\$2,603,139	\$2,997,878
Total CIP By Year	\$2,171,289	\$2,496,861	\$2,842,503	\$3,209,410	\$3,598,850	\$4,012,163	\$4,450,767	\$4,916,165	\$5,409,948	\$5,933,800
DSC	1.8	1.9	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.2
Surplus	\$351,201	\$448,101	\$699,500	\$967,829	\$1,254,156	\$1,559,613	\$1,885,400	\$2,232,791	\$2,603,139	\$2,997,878
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$2,171,289	\$2,496,861	\$2,842,503	\$3,209,410	\$3,598,850	\$4,012,163	\$4,450,767	\$4,916,165	\$5,409,948	\$5,933,800
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281	\$1,538,281
Separation Cost	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295	\$489,295
Upfront Costs	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353	\$683,353
Total Initial Debt	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929
Amount Available for Cash CIP	\$6,484,551	\$7,109,342	\$7,773,696	\$8,480,032	\$9,230,917	\$10,029,072	\$10,877,379	\$11,778,898	\$12,736,868	\$13,754,725	\$14,836,111
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	106%	116%	126%	135%	144%	154%	163%	172%	181%	190%	199%
Mains Replacement - Amount Fun	\$3,413,576	\$3,897,103	\$4,413,693	\$4,965,469	\$5,554,684	\$6,183,732	\$6,855,154	\$7,571,651	\$8,336,087	\$9,151,508	\$10,021,146
Total CIP By Year	\$6,484,551	\$7,109,342	\$7,773,696	\$8,480,032	\$9,230,917	\$10,029,072	\$10,877,379	\$11,778,898	\$12,736,868	\$13,754,725	\$14,836,111
DSC	3.4	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.7	6.1	6.5
Surplus	\$3,413,576	\$3,897,103	\$4,413,693	\$4,965,469	\$5,554,684	\$6,183,732	\$6,855,154	\$7,571,651	\$8,336,087	\$9,151,508	\$10,021,146
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$6,484,551	\$7,109,342	\$7,773,696	\$8,480,032	\$9,230,917	\$10,029,072	\$10,877,379	\$11,778,898	\$12,736,868	\$13,754,725	\$14,836,111
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case D Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	738,567	56%					<- Using historic	%'s, and 2020	projection of water use
Total	1,314,689						<- Based on 2020) CCF water u	sage projection
Contract Amount									
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads
Off-peak months	853,045	56%					<- Based on same	e % split from	2011 loads
Total	1,518,466						<- Assumed from	2020 Load; ir	ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,510,505						Based on Cont	ract Amount	and SPU System Baseline Rates
Off-peak months	\$1,305,159						<- Based on Cont	ract Amount	and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201	<- Forecast incre and change in		ion, SPU escalation, es
Wholesale Rates									
	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case D Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
_										
Expenses	** *** ***		40 -00 0-0	40.000.000	******				** ***	.
Wholesale Water Supply	\$3,443,399	\$3,570,466	\$3,702,358	\$3,839,263	\$3,981,377	\$4,128,903	\$4,282,055	\$4,441,051	\$4,606,123	\$4,777,508
Non-Supply O&M	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$10,059,099	\$10,499,088	\$10,958,800	\$11,439,136	\$11,941,044	\$12,465,512	\$13,013,576	\$13,586,321	\$14,184,883	\$14,810,448
Net Operating Funds	\$4,882,219	\$5,207,791	\$5,553,432	\$5,920,340	\$6,309,780	\$6,723,092	\$7,161,696	\$7,627,095	\$8,120,878	\$8,644,729
Debt Service Coverage Ratio	1.8	1.9	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.2
Debt payments - Initial	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929
Net Cash Flow before CIP	\$2,171,289	\$2,496,861	\$2,842,503	\$3,209,410	\$3,598,850	\$4,012,163	\$4,450,767	\$4,916,165	\$5,409,948	\$5,933,800
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$14,590,117	\$15,258,778	\$15,812,732	\$16,391,647	\$16,996,667	\$17,628,991	\$18,289,873	\$18,980,625	\$19,702,621	\$20,457,300
Net Revenue - Available for Mains Replacement	\$351,201	\$448,101	\$699,500	\$967,829	\$1,254,156	\$1,559,613	\$1,885,400	\$2,232,791	\$2,603,139	\$2,997,878
Net Revenue as Percent of Total Revenue	2.4%	2.9%	4.2%	5.6%	6.9%	8.1%	9.3%	10.5%	11.7%	12.8%
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Cumulative Mains Replacement	\$2,049,966 \$351,201	\$2,144,265 \$799,303	\$2,242,901 \$1,498,802	\$2,346,074 \$2,466,632	\$2,453,994 \$3,720,788	\$2,500,878 \$5,280,401	\$2,684,954 \$7,165,800	\$2,808,462 \$9,398,592	\$2,937,651 \$12,001,731	\$3,072,783 \$14,999,608
	\$351,201		\$1,498,802 2.1%		\$3,720,788 5.3%	\$5,280,401 7.5%			\$12,001,731 17.1%	
Percent Total Mains Replacement Funded	0.5%	1.1%	2.1%	3.5%	5.3%	7.5%	10.2%	13.4%	17.1%	21.4%

Shoreline Muncipal Water Utility - Updated Case D Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
Expenses											
Wholesale Water Supply	\$4,953,646	\$5,147,834	\$5,349,783	\$5,559,812	\$5,778,251	\$6,005,443	\$6,241,747	\$6,487,536	\$6,743,198	\$7,009,139	\$7,285,781
Non-Supply O&M	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790
Operations	\$0	\$0,100,270 \$0	\$0,555,045 \$0	\$0,520,205 \$0	\$9,338,350 \$0	\$9,700,304 \$0	\$10,217,555 \$0	\$10,007,504 \$0	\$11,17 <i>5</i> ,010 \$0	\$0	\$12,231,750 \$0
Engineering	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Pumping	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Treatment	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0
Distribution System	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0
Fire Hydrants	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Customer Service incl. meter reading	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Administrative & General	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$15,461,617	\$16,159,953	\$16,890,436	\$17,654,574	\$18,453,947	\$19,290,210	\$20,165,099	\$21,080,431	\$22,038,111	\$23,040,135	\$24,088,598
Net Operating Funds	\$9,195,480	\$9,820,272	\$10,484,625	\$11,190,961	\$11,941,847	\$12,740,001	\$13,588,309	\$14,489,827	\$15,447,797	\$16,465,654	\$17,547,040
Debt Service Coverage Ratio	3.4	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.7	6.1	6.5
Debt payments - Initial	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929	\$2,710,929
Net Cash Flow before CIP	\$6,484,551	\$7,109,342	\$7,773,696	\$8,480,032	\$9,230,917	\$10,029,072	\$10,877,379	\$11,778,898	\$12,736,868	\$13,754,725	\$14,836,111
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Total Expenses	\$21,243,521	\$22,083,122	\$22,961,368	\$23,880,066	\$24,841,109	\$25,846,479	\$26,898,253	\$27,998,607	\$29,149,821	\$30,354,282	\$31,614,492
Net Revenue - Available for Mains Replacement	\$3,413,576	\$3,897,103	\$4,413,693	\$4,965,469	\$5,554,684	\$6,183,732	\$6,855,154	\$7,571,651	\$8,336,087	\$9,151,508	\$10,021,146
Net Revenue - Available for Mains Replacement	13.8%	15.0%	16.1%	17.2%	18.3%	19.3%	20.3%	21.3%	22.2%	23.2%	24.1%
Target Maine Replacement per Vear	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Target Mains Replacement per Year Cumulative Mains Replacement	\$18,413,184				\$3,847,604 \$37,244,133	\$4,024,593 \$43,427,866	\$4,209,725 \$50,283,020	\$4,403,372 \$57,854,671	\$4,605,927 \$66,190,758		\$5,039,418 \$85,363,413
Percent Total Mains Replacement Funded	\$18,413,184 26.3%	\$22,310,287 31.9%	\$26,723,980 38.2%	\$31,689,449 45.3%	537,244,133 53.2%	\$43,427,800 62.0%	\$50,283,020 71.8%	\$57,854,671 82.6%	\$00,190,758 94.5%	\$75,342,266 107.6%	\$85,363,413 121.9%
reitent iotal Mains Replacement Funded	20.3%	31.9%	38.2%	45.3%	53.2%	62.0%	/1.8%	82.0%	94.5%	107.6%	121.9%

Basic Assumptions

Capital Costs		2020 Value	Base Case	Year \$	Year spent	Years IDC	
Purchase Price		\$26,600,000	\$26,600,000	2020	2020	0	
Separation Cost							
Option:	B3	\$8,542,269	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$11,930,190	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518				
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	High	0.5%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sho	oreline Water S	System Fina	ncial Analysis Appendix Page 81

Revenue Forecast			- .							
_		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,079,945	\$6,522,215	\$6,987,613	\$7,315,825	\$7,659,454	\$8,019,223	\$8,395,891	\$8,790,251
Multi-Family	\$958,677	\$1,014,676	\$1,133,727	\$1,265,893	\$1,409,063	\$1,497,391	\$1,591,255	\$1,691,004	\$1,797,005	\$1,909,651
Commercial	\$1,452,391	\$1,723,971	\$1,751,084	\$1,965,893	\$2,197,742	\$2,346,073	\$2,504,416	\$2,673,446	\$2,853,884	\$3,046,500
MMRD	\$224,812	\$273,622	\$293,745	\$316,025	\$339,555	\$356,533	\$374,359	\$393,077	\$412,731	\$433,368
Fire	\$139,497	\$151,974	\$163,150	\$175,524	\$188,593	\$198,023	\$207,924	\$218,320	\$229,236	\$240,698
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,456</u>	<u>\$200,598</u>	<u>\$215,534</u>	<u>\$226,311</u>	<u>\$237,626</u>	<u>\$249,508</u>	<u>\$261,983</u>	<u>\$275,082</u>
Total	\$8,458,920	\$9,017,751	\$9,608,108	\$10,446,149	\$11,338,100	\$11,940,155	\$12,575,035	\$13,244,578	\$13,950,730	\$14,695,550
Average Rate										
Residential	\$7.50	\$7.50	\$7.93	\$8.54	\$9.17	\$9.63	\$10.11	\$10.62	\$11.15	\$11.70
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.46	\$7.11	\$7.46	\$7.84	\$8.23	\$8.64	\$9.07
Commercial	\$5.67	\$5.67	\$6.10	\$6.73	\$7.40	\$7.77	\$8.16	\$8.57	\$9.00	\$9.45
MMRD	\$5.88	\$6.12	\$6.57	\$7.07	\$7.60	\$7.98	\$8.38	\$8.80	\$9.24	\$9.70
Fire	\$700.99	\$190.56	\$204.57	\$220.09	\$236.48	\$248.30	\$260.72	\$273.75	\$287.44	\$301.81
Other	\$5.59	\$4.5 <u>3</u>	\$4.86	\$5.23	<u>\$5.62</u>	<u>\$5.90</u>	<u>\$6.19</u>	<u>\$6.50</u>	\$6.83	\$7.17
Total	\$6.81	\$6.80	\$7.22	\$7.82	\$8.46	\$8.87	\$9.31	\$9.76	\$10.24	\$10.74
CCF										
Residential	732,074	768,573	766,356	764,145	761,940	759,742	757,550	755,364	753,185	751,012
Multi-Family	180,889	191,226	193,537	195,875	198,241	200,636	203,060	205,514	207,996	210,509
Commercial	256,160	282,534	287,241	292,027	296,892	301,838	306,867	311,979	317,176	322,460
MMRD	38,208	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	38,366	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,242,265	1,326,177	<u>38,300</u> 1,330,976	1,335,889	1,340,916	1,346,059	1,351,319	1,356,699	1,362,200	<u>38,300</u> 1,367,824
CCF per Customer Residential	75.7	79.5	79.1	78.7	78.3	77.9	77.5	77.1	76.7	76.3
	766.5									
Multi-Family Commercial	642.0	810.3 708.1	810.3 715.2	810.3 722.3	810.3 729.6	810.3 736.9	810.3 744.2	810.3 751.7	810.3 759.2	810.3 766.8
MMRD	9,552.0	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>74.7</u>	<u>82.5</u>	82.5	82.5	82.5	<u>82.5</u>	82.5	<u>82.5</u>	82.5	<u>82.5</u>
Customers	113.9	121.5	121.7	121.9	122.0	122.2	122.4	122.6	122.8	123.0
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
	236	236	9,692 239	9,712	9,733 245	9,753	9,774 251	9,795 254	257	9,837
Multi-Family	236 399	236 399	239 402	242 404	245 407	248 410	412	254 415	257 418	260 421
Commercial										
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	<u>465</u>	465	465	465	465	465	465	465	465
	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$9,203,134	\$9,680,572	\$10,182,779	\$10,711,038	\$11,266,703	\$11,851,194	\$12,466,008	\$13,112,716	\$13,792,974	\$14,508,523
Multi-Family	\$2,029,358	\$2,162,233	\$2,303,807	\$2,454,651	\$2,615,371	\$2,786,615	\$2,969,071	\$3,163,474	\$3,370,605	\$3,591,299
Commercial	\$3,252,117	\$3,463,018	\$3,687,596	\$3,926,737	\$4,181,388	\$4,452,553	\$4,741,302	\$5,048,777	\$5,376,193	\$5,724,841
MMRD	\$455,036	\$478,982	\$504,189	\$530,722	\$558,651	\$588,050	\$618,996	\$651,571	\$685,860	\$721,953
Fire	\$252,733	\$266,697	\$281,432	\$296,981	\$313,389	\$330,704	\$348,975	\$368,256	\$388,602	\$410,072
Other	<u>\$288,836</u>	<u>\$303,278</u>	<u>\$318,442</u>	<u>\$334,364</u>	<u>\$351,082</u>	<u>\$368,636</u>	<u>\$387,068</u>	<u>\$406,422</u>	<u>\$426,743</u>	<u>\$448,080</u>
Total	\$15,481,215	\$16,354,779	\$17,278,243	\$18,254,493	\$19,286,584	\$20,377,752	\$21,531,420	\$22,751,216	\$24,040,977	\$25,404,768
Average Rate										
Residential	\$12.29	\$12.90	\$13.55	\$14.23	\$14.94	\$15.69	\$16.47	\$17.29	\$18.16	\$19.07
Multi-Family	\$9.53	\$10.00	\$10.50	\$11.03	\$11.58	\$12.16	\$12.76	\$13.40	\$14.07	\$14.78
Commercial	\$9.92	\$10.42	\$10.94	\$11.48	\$12.06	\$12.66	\$13.29	\$13.96	\$14.66	\$15.39
MMRD	\$10.18	\$10.69	\$11.23	\$11.79	\$12.38	\$13.00	\$13.65	\$14.33	\$15.05	\$15.80
Fire	\$316.90	\$332.75	\$349.39	\$366.86	\$385.20	\$404.46	\$424.68	\$445.91	\$468.21	\$491.62
Other	<u>\$7.53</u>	<u>\$7.90</u>	<u>\$8.30</u>	<u>\$8.72</u>	<u>\$9.15</u>	<u>\$9.61</u>	<u>\$10.09</u>	<u>\$10.59</u>	<u>\$11.12</u>	<u>\$11.68</u>
Total	\$11.27	\$11.83	\$12.41	\$13.02	\$13.67	\$14.34	\$15.05	\$15.79	\$16.57	\$17.39
CCF										
Residential	748,845	750,184	751,526	752,870	754,216	755,565	756,916	758,270	759,626	760,985
Multi-Family	213,053	216,193	219,379	222,613	225,894	229,223	232,602	236,030	239,509	243,039
Commercial	327,832	332,469	337,171	341,940	346,776	351,681	356,654	361,699	366,814	372,002
MMRD	44,679	44,791	44,903	45,015	45,127	45,240	45,353	45,467	45,580	45,694
Fire	798	801	806	810	814	818	822	826	830	834
Other	<u>38,366</u>	38,366								
Total	1,373,573	1,382,804	1,392,150	1,401,613	1,411,193	1,420,893	1,430,713	1,440,657	1,450,725	1,460,920
CCF per Customer										
Residential	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
Multi-Family	810.3	812.3	814.3	816.4	818.4	820.5	822.5	824.6	826.6	828.7
Commercial	774.4	780.3	786.1	792.0	797.9	803.9	810.0	816.0	822.2	828.3
MMRD	11,169.8	11,197.7	11,225.7	11,253.7	11,281.9	11,310.1	11,338.3	11,366.7	11,395.1	11,423.6
Fire	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.1	6.1	6.1
Other	<u>82.5</u>									
	123.2	123.8	124.3	124.9	125.5	126.1	126.7	127.3	127.9	128.5
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$15,261,193	\$16,104,373	\$16,994,140	\$17,933,066	\$18,923,868	\$19,969,412	\$21,072,722	\$22,236,990	\$23,465,584	\$24,762,057	\$26,130,161
Multi-Family	\$3,808,572	\$4,076,086	\$4,362,389	\$4,668,802	\$4,996,738	\$5,347,708	\$5,723,330	\$6,125,335	\$6,555,578	\$7,016,040	\$7,508,845
Commercial	\$6,050,718	\$6,427,122	\$6,826,941	\$7,251,632	\$7,702,742	\$8,181,914	\$8,690,896	\$9,231,539	\$9,805,816	\$10,415,817	\$11,063,764
MMRD	\$758,051	\$797,943	\$839,935	\$884,136	\$930,664	\$979,640	\$1,031,194	\$1,085,460	\$1,142,583	\$1,202,711	\$1,266,004
Fire	\$432,729	\$456,637	\$481,866	\$508,489	\$536,583	\$566,229	\$597,514	\$630,526	\$665,363	\$702,124	\$740,916
Other	<u>\$470,484</u>	<u>\$494,008</u>	<u>\$518,708</u>	<u>\$544,644</u>	<u>\$571,876</u>	<u>\$600,470</u>	<u>\$630,493</u>	<u>\$662,018</u>	<u>\$695,119</u>	<u>\$729,875</u>	<u>\$766,369</u>
Total	\$26,781,747	\$28,356,169	\$30,023,979	\$31,790,770	\$33,662,471	\$35,645,374	\$37,746,148	\$39,971,869	\$42,330,041	\$44,828,624	\$47,476,059
Average Rate											
Residential	\$20.02	\$21.02	\$22.07	\$23.17	\$24.33	\$25.55	\$26.83	\$28.17	\$29.58	\$31.06	\$32.61
Multi-Family	\$15.52	\$16.29	\$17.11	\$17.96	\$18.86	\$19.80	\$20.79	\$21.83	\$22.92	\$24.07	\$25.27
Commercial	\$16.16	\$16.97	\$17.81	\$18.71	\$19.64	\$20.62	\$21.65	\$22.74	\$23.87	\$25.07	\$26.32
MMRD	\$16.59	\$17.42	\$18.29	\$19.20	\$20.16	\$21.17	\$22.23	\$23.34	\$24.51	\$25.74	\$27.02
Fire	\$516.20	\$542.01	\$569.11	\$597.57	\$627.45	\$658.82	\$691.76	\$726.35	\$762.67	\$800.80	\$840.84
Other	<u>\$12.26</u>	<u>\$12.88</u>	<u>\$13.52</u>	<u>\$14.20</u>	<u>\$14.91</u>	<u>\$15.65</u>	<u>\$16.43</u>	<u>\$17.26</u>	<u>\$18.12</u>	<u>\$19.02</u>	<u>\$19.98</u>
Total	\$18.25	\$19.16	\$20.10	\$21.10	\$22.14	\$23.24	\$24.39	\$25.59	\$26.86	\$28.19	\$29.58
CCF											
Residential	762,345	766,157	769,988	773,838	777,707	781,596	785,504	789,431	793,378	797,345	801,332
Multi-Family	245,469	250,201	255,024	259,940	264,950	270,057	275,263	280,569	285,977	291,490	297,109
Commercial	374,455	378,809	383,213	387,669	392,176	396,736	401,348	406,015	410,735	415,511	420,342
MMRD	45,694	45,809	45,923	46,038	46,153	46,268	46,384	46,500	46,616	46,733	46,850
ire	838	842	847	851	855	859	864	868	872	877	881
Other	<u>38,366</u>										
Fotal	1,467,168	1,480,184	1,493,361	1,506,701	1,520,207	1,533,882	1,547,729	1,561,749	1,575,946	1,590,321	1,604,879
CCF per Customer											
Residential	76.0	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.9
Multi-Family	828.7	832.8	837.0	841.2	845.4	849.6	853.9	858.1	862.4	866.7	871.1
Commercial	828.3	832.5	836.6	840.8	845.0	849.2	853.5	857.7	862.0	866.3	870.7
MMRD	11,423.6	11,452.2	11,480.8	11,509.5	11,538.3	11,567.1	11,596.0	11,625.0	11,654.1	11,683.2	11,712.4
ire	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.5
Other	<u>82.5</u> 128.8	<u>82.5</u> 129.9	<u>82.5</u> 131.0	<u>82.5</u> 132.0	<u>82.5</u> 133.1	<u>82.5</u> 134.3	<u>82.5</u> 135.4	<u>82.5</u> 136.5	<u>82.5</u> 137.7	<u>82.5</u> 138.8	<u>82.5</u> 140.0
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Aulti-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.7%

-4% 2% 17% 2% 5% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.36%	0.37%	0.38%	0.38%	0.39%	0.40%	0.41%	0.41%
Augura Data Ingrasa								
Average Rate Increase Residential	5.8%	7.6%	7.4%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.5%	10.3%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.5%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0% 5.0%	5.0%
MMRD	7.4%	7.6%	7.4%	5.0%	5.0%	5.0%	5.0% 5.0%	5.0%
Fire	7.4%	7.6%	7.4%	5.0%	5.0%	5.0%	5.0% 5.0%	5.0%
Other	7.4%	7.6%	7.4%	5.0%	5.0%	5.0%	5.0%	5.0%

Revenue	Forecast
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Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Commercial	1.00%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%
MMRD	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Fire	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total CCF Growth										
Residential	1.21%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%
Multi-Family	1.67%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%
Commercial	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.42%	0.67%	0.68%	0.68%	0.68%	0.69%	0.69%	0.70%	0.70%	0.70%
Average Rate Increase								/	/	
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Shoreline Muncipal Water Utility - Updated Case E Revenue Forecast

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Multi-Family	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Commercial	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Fire	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total CCF Growth											
Residential	0.18%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Multi-Family	1.00%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%
Commercial	0.66%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Fire	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	0.43%	0.89%	0.89%	0.89%	0.90%	0.90%	0.90%	0.91%	0.91%	0.91%	0.92%
Augusta Data la magaza											
Average Rate Increase Residential	5.0%	5.0%	5.0%	5.0%	5.0%	F 00/	F 00/	5.0%	5.0%	F 00/	5.0%
						5.0%	5.0%			5.0%	
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

1 0										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$2,103,326	\$2,499,828	\$2,923,703	\$3,376,753	\$3,860,892	\$4,378,157	\$4,930,719	\$5,520,883	\$6,151,106	\$6,824,000
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	14%	21%	35%	48%	62%	75%	88%	101%	114%	127%
Mains Replacement - Amount Funded	\$283,238	\$451,068	\$780,701	\$1,135,172	\$1,516,198	\$1,925,608	\$2,365,352	\$2,837,509	\$3,344,297	\$3,888,077
Total CIP By Year	\$2,103,326	\$2,499,828	\$2,923,703	\$3,376,753	\$3,860,892	\$4,378,157	\$4,930,719	\$5,520,883	\$6,151,106	\$6,824,000
DSC	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.8	3.0	3.2
Surplus	\$283,238	\$451,068	\$780,701	\$1,135,172	\$1,516,198	\$1,925,608	\$2,365,352	\$2,837,509	\$3,344,297	\$3,888,077
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$2,103,326	\$2,499,828	\$2,923,703	\$3,376,753	\$3,860,892	\$4,378,157	\$4,930,719	\$5,520,883	\$6,151,106	\$6,824,000
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$555 <i>,</i> 687	\$555,687	\$555 <i>,</i> 687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776 <i>,</i> 076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$7,499,882	\$8,301,042	\$9,157,993	\$10,074,459	\$11,054,407	\$12,102,063	\$13,221,930	\$14,418,801	\$15,697,786	\$17,064,324	\$18,524,208
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	138%	151%	165%	178%	192%	205%	219%	232%	245%	259%	272%
Mains Replacement - Amount Fun	\$4,428,907	\$5,088,802	\$5,797,990	\$6,559,896	\$7,378,174	\$8,256,724	\$9,199,705	\$10,211,554	\$11,297,005	\$12,461,107	\$13,709,243
Total CIP By Year	\$7,499,882	\$8,301,042	\$9,157,993	\$10,074,459	\$11,054,407	\$12,102,063	\$13,221,930	\$14,418,801	\$15,697,786	\$17,064,324	\$18,524,208
DSC	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.7	6.1	6.6	7.0
Surplus	\$4,428,907	\$5,088,802	\$5,797,990	\$6,559,896	\$7,378,174	\$8,256,724	\$9,199,705	\$10,211,554	\$11,297,005	\$12,461,107	\$13,709,243
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$7,499,882	\$8,301,042	\$9,157,993	\$10,074,459	\$11,054,407	\$12,102,063	\$13,221,930	\$14,418,801	\$15,697,786	\$17,064,324	\$18,524,208
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case E Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	601,926	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	771,647	56%					<- Using historic	%'s, and 2020	projection of water use
Total	1,373,573						<- Based on 2020) CCF water u	sage projection
Contract Amount									
Peak Months	695,224	44%					<- Based on same	e % split from	2011 loads
Off-peak months	891,252	56%					<- Based on same	e % split from	2011 loads
Total	1,586,476						<- Assumed from	2020 Load; ir	ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,578,159						- Based on Cont	tract Amount	and SPU System Baseline Rates
Off-peak months	\$1,363,615						<- Based on Cont	tract Amount	and SPU System Baseline Rates
Total	\$2,941,775	\$3,056,415	\$3,175,752	\$3,299,989	\$3,429,338	\$3,564,018	<- Forecast incre and change in		ion, SPU escalation,
							and change in		es
Wholesale Rates									
	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case E Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$15,481,215	\$16,354,779	\$17,278,243	\$18,254,493	\$19,286,584	\$20,377,752	\$21,531,420	\$22,751,216	\$24,040,977	\$25,404,768
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$15,552,866	\$16,430,013	\$17,357,239	\$18,337,438	\$19,373,677	\$20,469,199	\$21,627,440	\$22,852,036	\$24,146,838	\$25,515,922
Expenses										
Wholesale Water Supply	\$3,704,262	\$3,859,678	\$4,021,767	\$4,190,821	\$4,367,147	\$4,551,065	\$4,742,909	\$4,943,029	\$5,151,789	\$5,369,571
Non-Supply O&M	\$3,704,202 \$4,975,725	\$5,204,608	\$4,021,707 \$5,444,020	\$4,190,821 \$5,694,445	\$5,956,389	\$4,531,005 \$6,230,383	\$4,742,909 \$6,516,981	\$6,816,762	\$5,131,789 \$7,130,333	\$7,458,328
		\$5,204,608 \$0	\$5,444,020 \$0		\$5,950,389 \$0	\$0,230,383 \$0	\$0,510,981 \$0	\$0,810,762 \$0	\$7,130,333 \$0	
Operations	\$0 ¢0	\$0 \$0	\$0 \$0	\$0 ¢0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 ¢0
Engineering	\$0 ¢0			\$0 ¢0						\$0 ¢0
Pumping	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0
Treatment	\$0	\$0 ¢0	\$0	\$0 ¢0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$778,550	\$822,482	\$868,923	\$918,018	\$969,922	\$1,024,797	\$1,082,815	\$1,144,159	\$1,209,021	\$1,277,606
City of Shoreline Tax Expense (franchise fee)	\$928,873	\$981,287	\$1,036,695	\$1,095,270	\$1,157,195	\$1,222,665	\$1,291,885	\$1,365,073	\$1,442,459	\$1,524,286
Total Operating Expenses	\$10,387,409	\$10,868,055	\$11,371,404	\$11,898,554	\$12,450,654	\$13,028,911	\$13,634,590	\$14,269,022	\$14,933,601	\$15,629,791
Net Operating Funds	\$5,165,457	\$5,561,959	\$5,985,834	\$6,438,884	\$6,923,023	\$7,440,288	\$7,992,850	\$8,583,014	\$9,213,237	\$9,886,131
Debt Service Coverage Ratio	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.8	3.0	3.2
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$2,103,326	\$2,499,828	\$2,923,703	\$3,376,753	\$3,860,892	\$4,378,157	\$4,930,719	\$5,520,883	\$6,151,106	\$6,824,000
	ćo	ćo	ćo	60	ćo	60	ćo	60	60	ćo
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$15,269,628	\$15,978,946	\$16,576,538	\$17,202,266	\$17,857,479	\$18,543,591	\$19,262,088	\$20,014,527	\$20,802,541	\$21,627,845
Net Revenue - Available for Mains Replacement	\$283,238	\$451,068	\$780,701	\$1,135,172	\$1,516,198	\$1,925,608	\$2,365,352	\$2,837,509	\$3,344,297	\$3,888,077
Net Revenue as Percent of Total Revenue	1.8%	2.7%	4.5%	6.2%	7.8%	9.4%	10.9%	12.4%	13.8%	15.2%
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Cumulative Mains Replacement	\$283,238	\$734,305	\$1,515,006	\$2,650,178	\$4,166,376	\$6,091,983	\$8,457,335	\$11,294,844	\$14,639,141	\$18,527,218
Percent Total Mains Replacement Funded	0.4%	1.0%	2.2%	3.8%	5.9%	8.7%	12.1%	16.1%	20.9%	26.5%

Shoreline Muncipal Water Utility - Updated Case E Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$26,781,747	\$28,356,169	\$30,023,979	\$31,790,770	\$33,662,471	\$35,645,374	\$37,746,148	\$39,971,869	\$42,330,041	\$44,828,624	\$47,476,059
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$26,898,459	\$28,478,717	\$30,152,655	\$31,925,879	\$33,804,336	\$35,794,332	\$37,902,554	\$40,136,095	\$42,502,478	\$45,009,683	\$47,666,171
Expenses											
Wholesale Water Supply	\$5,581,276	\$5,827,866	\$6,085,537	\$6,354,796	\$6,636,174	\$6,930,225	\$7,237,532	\$7,558,701	\$7,894,371	\$8,245,207	\$8,611,907
					\$9,338,990	\$9,768,584		\$10,687,964		\$8,243,207	
Non-Supply O&M	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289			\$10,217,939		\$11,179,610	. , ,	\$12,231,790
Operations	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,346,854	\$1,426,032	\$1,509,906	\$1,598,758	\$1,692,886	\$1,792,606	\$1,898,254	\$2,010,185	\$2,128,778	\$2,254,431	\$2,387,571
City of Shoreline Tax Expense (franchise fee)	\$1,606,905	\$1,701,370	\$1,801,439	\$1,907,446	\$2,019,748	\$2,138,722	\$2,264,769	\$2,398,312	\$2,539,802	\$2,689,717	\$2,848,564
Total Operating Expenses	\$16,336,446	\$17,115,544	\$17,932,531	\$18,789,289	\$19,687,798	\$20,630,137	\$21,618,493	\$22,655,163	\$23,742,561	\$24,883,228	\$26,079,832
Net Operating Funds	\$10,562,013	\$11,363,173	\$12,220,124	\$13,136,590	\$14,116,538	\$15,164,194	\$16,284,061	\$17,480,932	\$18,759,917	\$20,126,455	\$21,586,339
Debt Service Coverage Ratio	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.7	6.1	6.6	7.0
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$7,499,882	\$8,301,042	\$9,157,993	\$10,074,459	\$11,054,407	\$12,102,063	\$13,221,930	\$14,418,801	\$15,697,786	\$17,064,324	\$18,524,208
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1 /											
Cash Funded CIP - Ongoing Total Expenses	\$3,070,975 \$22,469,552	\$3,212,240 \$23,389,915	\$3,360,003 \$24,354,664	\$3,514,563 \$25,365,983	\$3,676,233 \$26,426,162	\$3,845,339 \$27,537,608	\$4,022,225 \$28,702,849	\$4,207,247 \$29,924,541	\$4,400,781 \$31,205,473	\$4,603,217 \$32,548,576	\$4,814,965 \$33,956,927
	\$22,405,552	\$23,363,913	\$24,354,004	\$23,303,983	\$20,420,102	\$27,337,008	328,702,849	\$25,524,341	<i>331,203,473</i>	<i>332,348,370</i>	\$35,550,527
Net Revenue - Available for Mains Replacement	\$4,428,907	\$5,088,802	\$5,797,990	\$6,559,896	\$7,378,174	\$8,256,724	\$9,199,705	\$10,211,554	\$11,297,005	\$12,461,107	\$13,709,243
Net Revenue - Available for Mains Replacement	16.5%	17.9%	19.2%	20.5%	21.8%	23.1%	24.3%	25.4%	26.6%	27.7%	28.8%
Target Mains Replacement per Year	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Cumulative Mains Replacement	\$22,956,125	\$28,044,928	\$33,842,918	\$40,402,814	\$47,780,988	\$56,037,712	\$65,237,417	\$75,448,971	\$86,745,976	\$99,207,083	\$112,916,326
Percent Total Mains Replacement Funded	32.8%	40.0%	48.3%	57.7%	68.2%	80.0%	93.2%	107.7%	123.9%	141.7%	161.2%

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
		\$20,000,000	\$20,000,000	2020	2020	0	
Separation Cost							
Option:	B3	\$9,753,306	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$13,621,534	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)	rears	\$54,862,896	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,385,343	\$1,430,518	2012	2020		
Ongoing CIP	1	\$2,279,101	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$2,047,316	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$1,099,997	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$818,927	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,823,519	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$5,789,759	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$83,373	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	High	7.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	High	5.0%	3.5%	2.5%	5.0%		
Esclation of Costs	High	6.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
-							
Efficiency Savings		4.					
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0 676.445				
Employee Benefits	No	\$0	-\$76,415			watana Ek	naial Analysia Anna dia Dana 20
Administrative	No	\$0	\$0	Sho	breiine water S	system ⊢ina	ncial Analysis Appendix Page 93

Revenue Forecast			- .							
		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,338,434	\$7,790,126	\$8,269,620	\$8,778,628	\$9,318,966
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,496,874	\$1,612,900	\$1,737,920	\$1,872,630	\$2,017,782
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,346,520	\$2,539,969	\$2,749,365	\$2,976,025	\$3,221,370
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$357,671	\$380,794	\$405,412	\$431,622	\$459,527
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$202,678	\$216,866	\$232,046	\$248,290	\$265,670
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$231,631</u>	<u>\$247,845</u>	<u>\$265,194</u>	<u>\$283,758</u>	<u>\$303,621</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,973,808	\$12,788,499	\$13,659,558	\$14,590,952	\$15,586,935
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.86	\$10.55	\$11.28	\$12.07	\$12.92
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.61	\$8.14	\$8.71	\$9.32	\$9.98
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.93	\$8.49	\$9.08	\$9.71	\$10.39
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.17	\$8.74	\$9.35	\$10.01	\$10.71
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$254.14	\$271.93	\$290.96	\$311.33	\$333.12
Other	\$5.59	<u>\$4.53</u>	\$4.87	\$5.24	<u>\$5.64</u>	\$6.04	\$6.46	\$6.91	\$7.40	<u>\$7.91</u>
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$9.07	\$9.70	\$10.37	\$11.08	\$11.85
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	43,732	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	38,366	<u>38,366</u>	<u>38,366</u>	38,366	<u>38,366</u>
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	76.3	790.2	74.8	74.1	73.5
Commercial	642.0	708.1	711.6	715.2	798.2	794.2	790.2	780.3	782.5	778.4
MMRD	9,552.0	11,169.8		11,058.3	11,003.0	10,948.0	10,893.3	10,838.8		10,730.7
Fire	9,552.0	5.9	11,113.9 5.9	11,058.5 5.9	5.9	10,948.0	10,895.5	10,858.8	10,784.6 5.9	10,750.7
Other			5.9 82.5					5.9 82.5		
Other	<u>74.7</u> 113.9	<u>82.5</u> 121.5	<u>82.5</u> 121.1	<u>82.5</u>	<u>82.5</u>	<u>82.5</u> 119.8	<u>82.5</u> 119.4	<u>82.5</u> 119.0	<u>82.5</u> 118.7	<u>82.5</u> 118.3
Customers	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	402	404	407	410	412	415	418	421
Fire	136	4 136	4 136	136	4 136	4 136	4 136	4 136	4 136	4 136
Other	<u>465</u>	<u>465</u>	465	465	465	465	465	465	465	465
	<u>405</u> 10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122
	10,911	10,911	10,957	10,903	10,969	11,010	11,042	11,009	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$9,892,563	\$10,550,952	\$11,253,159	\$12,002,102	\$12,800,889	\$13,652,839	\$14,561,489	\$15,530,614	\$16,564,238	\$17,666,653
Multi-Family	\$2,174,185	\$2,348,893	\$2,537,639	\$2,741,552	\$2,961,850	\$3,199,851	\$3,456,976	\$3,734,763	\$4,034,871	\$4,359,095
Commercial	\$3,486,942	\$3,765,018	\$4,065,271	\$4,389,468	\$4,739,519	\$5,117,486	\$5,525,595	\$5,966,250	\$6,442,046	\$6,955,786
MMRD	\$489,235	\$522,173	\$557,328	\$594,850	\$634,898	\$677,643	\$723,265	\$771,959	\$823,931	\$879,402
Fire	\$284,267	\$304,165	\$325,457	\$348,239	\$372,616	\$398,699	\$426,608	\$456,470	\$488,423	\$522,613
Other	<u>\$324,875</u>	<u>\$347,616</u>	<u>\$371,949</u>	<u>\$397,985</u>	<u>\$425,844</u>	<u>\$455,653</u>	<u>\$487,549</u>	<u>\$521,678</u>	<u>\$558,195</u>	<u>\$597,269</u>
Total	\$16,652,066	\$17,838,817	\$19,110,803	\$20,474,196	\$21,935,617	\$23,502,171	\$25,181,482	\$26,981,734	\$28,911,704	\$30,980,818
Average Rate										
Residential	\$13.82	\$14.79	\$15.83	\$16.93	\$18.12	\$19.39	\$20.74	\$22.20	\$23.75	\$25.41
Multi-Family	\$10.68	\$11.42	\$12.22	\$13.08	\$13.99	\$14.97	\$16.02	\$17.14	\$18.34	\$19.63
Commercial	\$11.12	\$11.90	\$12.73	\$13.63	\$14.58	\$15.60	\$16.69	\$17.86	\$19.11	\$20.45
MMRD	\$11.46	\$12.26	\$13.12	\$14.03	\$15.02	\$16.07	\$17.19	\$18.39	\$19.68	\$21.06
Fire	\$356.44	\$381.39	\$408.09	\$436.66	\$467.22	\$499.93	\$534.93	\$572.37	\$612.44	\$655.31
Other	<u>\$8.47</u>	<u>\$9.06</u>	<u>\$9.69</u>	<u>\$10.37</u>	<u>\$11.10</u>	<u>\$11.88</u>	<u>\$12.71</u>	<u>\$13.60</u>	<u>\$14.55</u>	<u>\$15.57</u>
Total	\$12.67	\$13.54	\$14.48	\$15.49	\$16.56	\$17.71	\$18.93	\$20.25	\$21.65	\$23.15
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>									
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u> 117.9	<u>82.5</u> 117.9	<u>82.5</u> 117.9	<u>82.5</u> 117.8						
Customers	117.9	117.9	117.9	117.0		117.0	11/.0	11/.0	117.0	117.0
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$18,842,439	\$20,161,409	\$21,572,708	\$23,082,798	\$24,698,594	\$26,427,495	\$28,277,420	\$30,256,839	\$32,374,818	\$34,641,055	\$37,065,929
Multi-Family	\$4,699,097	\$5,099,457	\$5,533,927	\$6,005,413	\$6,517,071	\$7,072,320	\$7,674,877	\$8,328,772	\$9,038,377	\$9,808,441	\$10,644,113
Commercial	\$7,510,496	\$8,089,220	\$8,712,537	\$9,383,885	\$10,106,963	\$10,885,758	\$11,724,564	\$12,628,004	\$13,601,059	\$14,649,093	\$15,777,884
MMRD	\$938,608	\$1,004,311	\$1,074,612	\$1,149,835	\$1,230,324	\$1,316,446	\$1,408,598	\$1,507,200	\$1,612,704	\$1,725,593	\$1,846,384
Fire	\$559,196	\$598,339	\$640,223	\$685,039	\$732,991	\$784,301	\$839,202	\$897,946	\$960,802	\$1,028,058	\$1,100,023
Other	<u>\$639,078</u>	<u>\$683,813</u>	<u>\$731,680</u>	<u>\$782,897</u>	<u>\$837,700</u>	<u>\$896,339</u>	<u>\$959,083</u>	<u>\$1,026,219</u>	<u>\$1,098,054</u>	<u>\$1,174,918</u>	\$1,257,162
Total	\$33,188,913	\$35,636,549	\$38,265,687	\$41,089,867	\$44,123,643	\$47,382,660	\$50,883,744	\$54,644,979	\$58,685,814	\$63,027,158	\$67,691,495
Average Rate											
Residential	\$27.19	\$29.10	\$31.13	\$33.31	\$35.64	\$38.14	\$40.81	\$43.66	\$46.72	\$49.99	\$53.49
Multi-Family	\$21.00	\$22.47	\$24.04	\$25.73	\$27.53	\$29.45	\$31.52	\$33.72	\$36.08	\$38.61	\$41.31
Commercial	\$21.88	\$23.41	\$25.05	\$26.80	\$28.68	\$30.69	\$32.83	\$35.13	\$37.59	\$40.22	\$43.04
MMRD	\$22.53	\$24.11	\$25.80	\$27.61	\$29.54	\$31.61	\$33.82	\$36.19	\$38.72	\$41.43	\$44.33
Fire	\$701.18	\$750.26	\$802.78	\$858.97	\$919.10	\$983.44	\$1,052.28	\$1,125.94	\$1,204.75	\$1,289.09	\$1,379.32
Other	<u>\$16.66</u>	<u>\$17.82</u>	<u>\$19.07</u>	<u>\$20.41</u>	<u>\$21.83</u>	<u>\$23.36</u>	<u>\$25.00</u>	<u>\$26.75</u>	<u>\$28.62</u>	<u>\$30.62</u>	<u>\$32.77</u>
Total	\$24.75	\$26.47	\$28.31	\$30.27	\$32.37	\$34.62	\$37.02	\$39.59	\$42.34	\$45.28	\$48.42
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
ire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	38,366									
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
ire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u> 117.7	<u>82.5</u> 118.1	<u>82.5</u> 118.5	<u>82.5</u> 119.0	<u>82.5</u> 119.4	<u>82.5</u> 119.8	<u>82.5</u> 120.2	<u>82.5</u> 120.6	<u>82.5</u> 121.1	<u>82.5</u> 121.5	<u>82.5</u> 121.9
Customers		110.1	110.0	119.0		110.0	120.2	120.0			
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.60/	7.00/	7.00/	7.00/	7.00/	7.00/
Residential	6.0%	7.7%	7.6%	7.0%	7.0%	7.0%	7.0%	7.0%
Multi-Family	10.6%	10.4%	10.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Commercial	7.6%	10.5%	10.0%	7.0%	7.0%	7.0%	7.0%	7.0%
MMRD	7.5%	7.7%	7.6%	7.0%	7.0%	7.0%	7.0%	7.0%
Fire	7.5%	7.7%	7.6%	7.0%	7.0%	7.0%	7.0%	7.0%
Other	7.5%	7.7%	7.6%	7.0%	7.0%	7.0%	7.0%	7.0%

Shoreline Muncipal Water Utility - Updated Case F Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Multi-Family	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Commercial	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
MMRD	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Fire	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Other	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%

Shoreline Muncipal Water Utility - Updated Case F Revenue Forecast

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Multi-Family	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Commercial	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
MMRD	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Fire	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Other	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$2,047,316	\$2,182,439	\$2,326,480	\$2,480,028	\$2,643,709	\$2,818,194	\$3,004,195	\$3,202,472	\$3,413,835	\$3,639,148
Materials & Supplies	\$1,099,997	\$1,172,597	\$1,249,989	\$1,332,488	\$1,420,432	\$1,514,180	\$1,614,116	\$1,720,648	\$1,834,211	\$1,955,269
Employee Benefits	\$818,927	\$872,976	\$930,593	\$992,012	\$1,057,485	\$1,127,279	\$1,201,679	\$1,280,990	\$1,365,535	\$1,455,661
Administrative	\$1,823,519	\$1,943,871	\$2,072,166	\$2,208,929	\$2,354,719	\$2,510,130	\$2,675,799	\$2,852,401	\$3,040,660	\$3,241,343
Total	\$5,789,759	\$6,171,883	\$6,579,227	\$7,013,457	\$7,476,345	\$7,969,783	\$8,495,789	\$9,056,511	\$9,654,241	\$10,291,421

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467
Upfront Costs	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100
Total Initial Debt	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935
Amount Available for Cash CIP	\$2,104,303	\$2,588,943	\$3,114,330	\$3,683,771	\$4,300,832	\$4,969,366	\$5,693,530	\$6,477,812	\$7,327,056	\$8,246,492
Required CIP by Year	\$2,279,101	\$2,429,522	\$2,589,870	\$2,760,801	\$2,943,014	\$3,137,253	\$3,344,312	\$3,565,037	\$3,800,329	\$4,051,151
Required CIP Funded by Year	\$1,820,088	\$2,429,522	\$2,589,870	\$2,760,801	\$2,943,014	\$3,137,253	\$3,344,312	\$3,565,037	\$3,800,329	\$4,051,151
Mains Replacement - Equal Over 23 Years	\$2,385,343	\$2,542,776	\$2,710,599	\$2,889,499	\$3,080,206	\$3,283,499	\$3,500,210	\$3,731,224	\$3,977,485	\$4,239,999
Percent of Mains Funded for the Year	12%	6%	19%	32%	44%	56%	67%	78%	89%	99%
Mains Replacement - Amount Funded	\$284,215	\$159,421	\$524,460	\$922,970	\$1,357,818	\$1,832,113	\$2,349,218	\$2,912,775	\$3,526,727	\$4,195,341
Total CIP By Year	\$2,104,303	\$2,588,943	\$3,114,330	\$3,683,771	\$4,300,832	\$4,969,366	\$5,693,530	\$6,477,812	\$7,327,056	\$8,246,492
DSC	1.6	1.8	2.0	2.1	2.3	2.5	2.8	3.0	3.3	3.5
Surplus	\$284,215	\$159,421	\$524,460	\$922,970	\$1,357,818	\$1,832,113	\$2,349,218	\$2,912,775	\$3,526,727	\$4,195,341
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$2,104,303	\$2,588,943	\$3,114,330	\$3,683,771	\$4,300,832	\$4,969,366	\$5,693,530	\$6,477,812	\$7,327,056	\$8,246,492
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$3,879,332	\$4,135,368	\$4,408,302	\$4,699,250	\$5,009,401	\$5,340,021	\$5,692,463	\$6,068,165	\$6,468,664	\$6,895,596	\$7,350,705
Materials & Supplies	\$2,084,316	\$2,221,881	\$2,368,526	\$2,524,848	\$2,691,488	\$2,869,126	\$3,058,489	\$3,260,349	\$3,475,532	\$3,704,917	\$3,949,442
Employee Benefits	\$1,551,734	\$1,654,149	\$1,763,322	\$1,879,702	\$2,003,762	\$2,136,010	\$2,276,987	\$2,427,268	\$2,587,468	\$2,758,241	\$2,940,284
Administrative	\$3,455,272	\$3,683,320	\$3,926,419	\$4,185,563	\$4,461,810	\$4,756,289	\$5,070,204	\$5,404,838	\$5,761,557	\$6,141,820	\$6,547,180
Total	\$10,970,655	\$11,694,718	\$12,466,569	\$13,289,363	\$14,166,461	\$15,101,447	\$16,098,143	\$17,160,620	\$18,293,221	\$19,500,573	\$20,787,611

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467	\$634,467
Upfront Costs	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100	\$886,100
Total Initial Debt	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935
Amount Available for Cash CIP	\$9,234,896	\$10,361,622	\$11,584,292	\$12,910,826	\$14,349,783	\$15,910,417	\$17,602,732	\$19,437,540	\$21,426,529	\$23,582,330	\$25,918,594
Required CIP by Year	\$4,318,527	\$4,603,549	\$4,907,384	\$5,231,271	\$5,576,535	\$5,944,586	\$6,336,929	\$6,755,166	\$7,201,007	\$7,676,274	\$8,182,908
Required CIP Funded by Year	\$4,318,527	\$4,603,549	\$4,907,384	\$5,231,271	\$5,576,535	\$5,944,586	\$6,336,929	\$6,755,166	\$7,201,007	\$7,676,274	\$8,182,908
Mains Replacement	\$4,519,839	\$4,818,148	\$5,136,146	\$5,475,131	\$5,836,490	\$6,221,698	\$6,632,331	\$7,070,064	\$7,536,689	\$8,034,110	\$8,564,361
Percent of Mains Funded	109%	120%	130%	140%	150%	160%	170%	179%	189%	198%	207%
Mains Replacement - Amount Fun	\$4,916,369	\$5,758,073	\$6,676,909	\$7,679,555	\$8,773,248	\$9,965,831	\$11,265,803	\$12,682,374	\$14,225,522	\$15,906,056	\$17,735,687
Total CIP By Year	\$9,234,896	\$10,361,622	\$11,584,292	\$12,910,826	\$14,349,783	\$15,910,417	\$17,602,732	\$19,437,540	\$21,426,529	\$23,582,330	\$25,918,594
DSC	3.8	4.2	4.6	5.0	5.4	5.9	6.4	7.0	7.6	8.3	9.0
Surplus	\$4,916,369	\$5,758,073	\$6,676,909	\$7,679,555	\$8,773,248	\$9,965,831	\$11,265,803	\$12,682,374	\$14,225,522	\$15,906,056	\$17,735,687
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$9,234,896	\$10,361,622	\$11,584,292	\$12,910,826	\$14,349,783	\$15,910,417	\$17,602,732	\$19,437,540	\$21,426,529	\$23,582,330	\$25,918,594
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case F Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	738,567	56%					<- Using historic	%'s, and 2020	projection of water use
Total	1,314,689						<- Based on 2020) CCF water u	sage projection
Contract Amount									
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads
Off-peak months	853,045	56%					<- Based on same	e % split from	2011 loads
Total	1,518,466						<- Assumed from	1 2020 Load; ir	ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,510,505						- Sased on Cont <- Based on Cont	tract Amount	and SPU System Baseline Rates
Off-peak months	\$1,305,159						<- Based on Cont	tract Amount	and SPU System Baseline Rates
Total	\$2,815,664	\$2,953,373	\$3,098,042	\$3,250,035	\$3,409,733	\$3,577,542	- Forecast incre and change in		ion, SPU escalation,
Wholesale Rates									
	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case F Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$16,652,066	\$17,838,817	\$19,110,803	\$20,474,196	\$21,935,617	\$23,502,171	\$25,181,482	\$26,981,734	\$28,911,704	\$30,980,818
Use of Facilities Charges	\$83,373	\$89,210	\$95,454	\$102,136	\$109,286	\$116,936	\$125,121	\$133,880	\$143,251	\$153,279
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$16,735,439	\$17,928,026	\$19,206,257	\$20,576,332	\$22,044,902	\$23,619,106	\$25,306,603	\$27,115,613	\$29,054,955	\$31,134,097
_										
Expenses	62 752 000	¢2.040.022	<i></i>	64.070.070	64 507 544	64 00C 0C7	AF 000 004	65 35 4 5 4 0	65 CO 4 OF 4	65 000 075
Wholesale Water Supply	\$3,753,886	\$3,948,822	\$4,154,034	\$4,370,070	\$4,597,511	\$4,836,967	\$5,089,084	\$5,354,540	\$5,634,051	\$5,928,375
Non-Supply O&M	\$5,789,759	\$6,171,883	\$6,579,227	\$7,013,457	\$7,476,345	\$7,969,783	\$8,495,789	\$9,056,511	\$9,654,241	\$10,291,421
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$837,432	\$897,114	\$961,082	\$1,029,647	\$1,103,142	\$1,181,924	\$1,266,377	\$1,356,911	\$1,453,970	\$1,558,025
City of Shoreline Tax Expense (franchise fee)	\$999,124	\$1,070,329	\$1,146,648	\$1,228,452	\$1,316,137	\$1,410,130	\$1,510,889	\$1,618,904	\$1,734,702	\$1,858,849
Total Operating Expenses	\$11,380,201	\$12,088,149	\$12,840,992	\$13,641,626	\$14,493,135	\$15,398,805	\$16,362,138	\$17,386,866	\$18,476,964	\$19,636,670
Net Operating Funds	\$5,355,238	\$5,839,878	\$6,365,265	\$6,934,706	\$7,551,768	\$8,220,301	\$8,944,465	\$9,728,747	\$10,577,991	\$11,497,427
Debt Service Coverage Ratio	1.6	1.8	2.0	2.1	2.3	2.5	2.8	3.0	3.3	3.5
Debt payments - Initial	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935
Net Cash Flow before CIP	\$2,104,303	\$2,588,943	\$3,114,330	\$3,683,771	\$4,300,832	\$4,969,366	\$5,693,530	\$6,477,812	\$7,327,056	\$8,246,492
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,429,522	\$2,589,870	\$2,760,801	\$2,943,014	\$3,137,253	\$3,344,312	\$3,565,037	\$3,800,329	\$4,051,151
Total Expenses (with Debt & CIP)	\$16,451,224	\$17,768,605	\$18,681,797	\$19,653,362	\$20,687,084	\$21,786,993	\$22,957,386	\$24,202,838	\$25,528,228	\$26,938,756
Net Revenue - Available for Mains Replacement	\$284,215	\$159,421	\$524,460	\$922,970	\$1,357,818	\$1,832,113	\$2,349,218	\$2,912,775	\$3,526,727	\$4,195,341
Net Revenue as Percent of Total Revenue	1.7%	0.9%	2.7%	4.5%	6.2%	7.8%	9.3%	10.7%	12.1%	13.5%
Target Mains Replacement per Year	\$2,385,343	\$2,542,776	\$2,710,599	\$2,889,499	\$3,080,206	\$3,283,499	\$3,500,210	\$3,731,224	\$3,977,485	\$4,239,999
Cumulative Mains Replacement	\$2,385,345	\$443,636	\$968,096	\$2,889,499	\$3,248,884	\$5,080,997	\$3,300,210 \$7,430,214	\$10,342,990	\$13,869,717	\$18,065,058
Percent Total Mains Replacement Funded	,5284,215 0.3%	3443,030 0.4%	3908,090 0.9%	\$1,891,000 1.9%	33,248,884 3.2%	\$3,080,997 5.0%	37,430,214 7.3%	\$10,342,990 10.1%	313,809,717 13.6%	\$18,003,038 17.7%
	0.3%	0.4%	0.9%	1.9%	5.2%	5.0%	1.37	10.1%	15.0%	17.7%

Shoreline Muncipal Water Utility - Updated Case F Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$33,188,913	\$35,636,549	\$38,265,687	\$41,089,867	\$44,123,643	\$47,382,660	\$50,883,744	\$54,644,979	\$58,685,814	\$63,027,158	\$67,691,495
Use of Facilities Charges	\$164,008	\$175,489	\$187,773	\$200,917	\$214,981	\$230,030	\$246,132	\$263,361	\$281,797	\$301,522	\$322,629
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$33,352,921	\$35,812,037	\$38,453,460	\$41,290,784	\$44,338,624	\$47,612,690	\$51,129,876	\$54,908,340	\$58,967,611	\$63,328,680	\$68,014,124
Expenses											
Wholesale Water Supply	\$6,236,030	\$6,574,408	\$6,931,341	\$7,307,859	\$7,705,049	\$8,124,058	\$8,566,098	\$9,032,450	\$9,524,467	\$10,043,577	\$10,591,288
	\$10,970,655			\$13,289,363		\$15,101,447		\$9,032,430	\$18,293,221	\$19,500,573	\$20,787,611
Non-Supply O&M		\$11,694,718	\$12,466,569		\$14,166,461		\$16,098,143				
Operations	\$0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,669,070	\$1,792,162	\$1,924,381	\$2,066,409	\$2,218,978	\$2,382,874	\$2,558,943	\$2,748,096	\$2,951,310	\$3,169,636	\$3,404,205
City of Shoreline Tax Expense (franchise fee)	\$1,991,335	\$2,138,193	\$2,295,941	\$2,465,392	\$2,647,419	\$2,842,960	\$3,053,025	\$3,278,699	\$3,521,149	\$3,781,629	\$4,061,490
Total Operating Expenses	\$20,867,090	\$22,199,480	\$23,618,233	\$25,129,023	\$26,737,906	\$28,451,338	\$30,276,209	\$32,219,865	\$34,290,146	\$36,495,415	\$38,844,594
Net Operating Funds	\$12,485,831	\$13,612,557	\$14,835,228	\$16,161,761	\$17,600,718	\$19,161,352	\$20,853,667	\$22,688,475	\$24,677,464	\$26,833,265	\$29,169,529
Debt Service Coverage Ratio	3.8	4.2	4.6	5.0	5.4	5.9	6.4	7.0	7.6	8.3	9.0
Debt payments - Initial	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935	\$3,250,935
Net Cash Flow before CIP	\$9,234,896	\$10,361,622	\$11,584,292	\$12,910,826	\$14,349,783	\$15,910,417	\$17,602,732	\$19,437,540	\$21,426,529	\$23,582,330	\$25,918,594
	\$3,234,050	<i>910,301,022</i>	Ş11,304,292	<i>J12,J10,020</i>	Ş14,345,785	Ş13,510,417	J17,002,732	Ş15, 4 57,540	<i>721,420,323</i>	<i>723,302,330</i>	Ş23,310,334
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$4,318,527	\$4,603,549	\$4,907,384	\$5,231,271	\$5,576,535	\$5,944,586	\$6,336,929	\$6,755,166	\$7,201,007	\$7,676,274	\$8,182,908
Total Expenses	\$28,436,552	\$30,053,965	\$31,776,552	\$33,611,229	\$35,565,376	\$37,646,860	\$39,864,073	\$42,225,966	\$44,742,089	\$47,422,624	\$50,278,437
Net Revenue - Available for Mains Replacement	\$4,916,369	\$5,758,073	\$6,676,909	\$7,679,555	\$8,773,248	\$9,965,831	\$11,265,803	\$12,682,374	\$14,225,522	\$15,906,056	\$17,735,687
Net Revenue - Available for Mains Replacement	14.7%	16.1%	17.4%	18.6%	19.8%	20.9%	22.0%	23.1%	24.1%	25.1%	26.1%
Target Mains Replacement per Year	\$4,519,839	\$4,818,148	\$5,136,146	\$5,475,131	\$5,836,490	\$6,221,698	\$6,632,331	\$7,070,064	\$7,536,689	\$8,034,110	\$8,564,361
• • •	\$22,981,427							. , ,			
Cumulative Mains Replacement		\$28,739,500	\$35,416,409	\$43,095,964	\$51,869,211	\$61,835,042	\$73,100,845	\$85,783,219	\$100,008,741	\$115,914,797	\$133,650,484
Percent Total Mains Replacement Funded	22.5%	28.1%	34.7%	42.2%	50.8%	60.5%	71.5%	83.9%	97.9%	113.4%	130.8%

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
Separation Cost Option:	B3	\$8,773,574	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5	63	<i>20,113,314</i>	\$3,338,300	2012	2020	1	
Upfront Costs		\$12,253,232	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$48,611,104	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,113,526	\$1,430,518				
Ongoing CIP	1	\$2,019,391	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,814,018	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$974,649	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$725,608	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,615,723	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$5,129,999	\$3,472,185	2012	2020		0
Use of Facilities/Other Revenues		\$73,873	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Equal	5.0%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
	Base		217	2.0	1.0		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sho	oreline Water Sy	vstem Finan	cial Analysis Appendix Page 105

Revenue Forecast			- .							
-	2044 4 4 4	Adjusted	Forecast			2015	2016	2017	2040	2040
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	, \$7.41	, \$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	\$5.59	<u>\$4.53</u>	\$4.87	\$5.24	<u>\$5.64</u>	<u>\$5.92</u>	<u>\$6.22</u>	<u>\$6.53</u>	<u>\$6.86</u>	\$7.20
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>								
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	413	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
other	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122
	10,911	10,911	10,337	10,505	10,009	11,010	11,042	11,009	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	\$428,611	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>							
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>							
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>										
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u> 117.7	<u>82.5</u> 118.1	<u>82.5</u> 118.5	<u>82.5</u> 119.0	<u>82.5</u> 119.4	<u>82.5</u> 119.8	<u>82.5</u> 120.2	<u>82.5</u> 120.6	<u>82.5</u> 121.1	<u>82.5</u> 121.5	<u>82.5</u> 121.9
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Revenue Forecast

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.60/	5.00/	5.00/	5.00/	5.00/	5.00/
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Shoreline Muncipal Water Utility - Updated Case G Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Shoreline Muncipal Water Utility - Updated Case G Revenue Forecast

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
•	5.070	5.676	5.070	5.670	5.670	5.070	5.676	5.070	5.676	5.676	5.075

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,814,018	\$1,904,719	\$1,999,955	\$2,099,953	\$2,204,951	\$2,315,198	\$2,430,958	\$2,552,506	\$2,680,131	\$2,814,138
Materials & Supplies	\$974,649	\$1,023,382	\$1,074,551	\$1,128,278	\$1,184,692	\$1,243,927	\$1,306,123	\$1,371,429	\$1,440,001	\$1,512,001
Employee Benefits	\$725,608	\$761,888	\$799,983	\$839,982	\$881,981	\$926,080	\$972,384	\$1,021,003	\$1,072,053	\$1,125,656
Administrative	\$1,615,723	\$1,696,509	\$1,781,335	\$1,870,401	\$1,963,922	\$2,062,118	\$2,165,223	\$2,273,485	\$2,387,159	\$2,506,517
Total	\$5,129,999	\$5,386,499	\$5,655,823	\$5,938,615	\$6,235,545	\$6,547,323	\$6,874,689	\$7,218,423	\$7,579,344	\$7,958,312

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734
Upfront Costs	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090
Total Initial Debt	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192
Amount Available for Cash CIP	\$1,631,974	\$1,930,040	\$2,245,886	\$2,580,550	\$2,935,132	\$3,310,796	\$3,708,773	\$4,130,367	\$4,576,956	\$5,050,000
Required CIP by Year	\$2,019,391	\$2,120,360	\$2,226,378	\$2,337,697	\$2,454,582	\$2,577,311	\$2,706,176	\$2,841,485	\$2,983,560	\$3,132,738
Required CIP Funded by Year	\$1,820,088	\$2,120,360	\$2,226,378	\$2,337,697	\$2,454,582	\$2,577,311	\$2,706,176	\$2,841,485	\$2,983,560	\$3,132,738
Mains Replacement - Equal Over 23 Years	\$2,113,526	\$2,219,203	\$2,330,163	\$2,446,671	\$2,569,004	\$2,697,455	\$2,832,327	\$2,973,944	\$3,122,641	\$3,278,773
Percent of Mains Funded for the Year	0%	0%	1%	10%	19%	27%	35%	43%	51%	58%
Mains Replacement - Amount Funded	\$0	\$0	\$19,508	\$242,853	\$480,550	\$733,485	\$1,002,597	\$1,288,882	\$1,593,397	\$1,917,263
Total CIP By Year	\$1,820,088	\$2,120,360	\$2,245,886	\$2,580,550	\$2,935,132	\$3,310,796	\$3,708,773	\$4,130,367	\$4,576,956	\$5,050,000
DSC	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6
Surplus	\$0	\$0	\$19,508	\$242,853	\$480,550	\$733,485	\$1,002,597	\$1,288,882	\$1,593,397	\$1,917,263
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,120,360	\$2,245,886	\$2,580,550	\$2,935,132	\$3,310,796	\$3,708,773	\$4,130,367	\$4,576,956	\$5,050,000
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual C	0&M	Costs
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	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,954,845	\$3,102,587	\$3,257,716	\$3,420,602	\$3,591,632	\$3,771,214	\$3,959,774	\$4,157,763	\$4,365,651	\$4,583,934	\$4,813,131
Materials & Supplies	\$1,587,601	\$1,666,981	\$1,750,330	\$1,837,847	\$1,929,739	\$2,026,226	\$2,127,537	\$2,233,914	\$2,345,610	\$2,462,890	\$2,586,035
Employee Benefits	\$1,181,939	\$1,241,036	\$1,303,088	\$1,368,242	\$1,436,654	\$1,508,487	\$1,583,911	\$1,663,107	\$1,746,262	\$1,833,575	\$1,925,254
Administrative	\$2,631,843	\$2,763,435	\$2,901,607	\$3,046,687	\$3,199,021	\$3,358,972	\$3,526,921	\$3,703,267	\$3,888,430	\$4,082,852	\$4,286,994
Total	\$8,356,227	\$8,774,039	\$9,212,740	\$9,673,378	\$10,157,046	\$10,664,899	\$11,198,144	\$11,758,051	\$12,345,953	\$12,963,251	\$13,611,414

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734	\$570,734
Upfront Costs	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090	\$797,090
Total Initial Debt	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192
Amount Available for Cash CIP	\$5,546,091	\$6,112,117	\$6,713,331	\$7,351,870	\$8,029,997	\$8,750,112	\$9,514,761	\$10,326,640	\$11,188,608	\$12,103,697	\$13,075,119
Required CIP by Year	\$3,289,374	\$3,453,843	\$3,626,535	\$3,807,862	\$3,998,255	\$4,198,168	\$4,408,076	\$4,628,480	\$4,859,904	\$5,102,899	\$5,358,044
Required CIP Funded by Year	\$3,289,374	\$3,453,843	\$3,626,535	\$3,807,862	\$3,998,255	\$4,198,168	\$4,408,076	\$4,628,480	\$4,859,904	\$5,102,899	\$5,358,044
Mains Replacement	\$3,442,712	\$3,614,847	\$3,795,589	\$3,985,369	\$4,184,637	\$4,393,869	\$4,613,563	\$4,844,241	\$5,086,453	\$5,340,776	\$5,607,814
Percent of Mains Funded	66%	74%	81%	89%	96%	104%	111%	118%	124%	131%	138%
Mains Replacement - Amount Fun	\$2,256,717	\$2,658,274	\$3,086,796	\$3,544,008	\$4,031,742	\$4,551,945	\$5,106,685	\$5,698,160	\$6,328,704	\$7,000,798	\$7,717,075
Total CIP By Year	\$5,546,091	\$6,112,117	\$6,713,331	\$7,351,870	\$8,029,997	\$8,750,112	\$9,514,761	\$10,326,640	\$11,188,608	\$12,103,697	\$13,075,119
DSC	2.8	3.0	3.2	3.4	3.6	3.8	4.1	4.3	4.6	4.9	5.2
Surplus	\$2,256,717	\$2,658,274	\$3,086,796	\$3,544,008	\$4,031,742	\$4,551,945	\$5,106,685	\$5,698,160	\$6,328,704	\$7,000,798	\$7,717,075
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$5,546,091	\$6,112,117	\$6,713,331	\$7,351,870	\$8,029,997	\$8,750,112	\$9,514,761	\$10,326,640	\$11,188,608	\$12,103,697	\$13,075,119
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case G Wholesale Water Costs

Shoreline Load - 2011										
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage	
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage	
Total	1,242,265									
Shoreline Load - 2020										
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use	
Off-peak months	738,567	56%					<- Using historic	%'s, and 2020	projection of water use	
Total	1,314,689						<- Based on 2020) CCF water u	sage projection	
Contract Amount										
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads	
Off-peak months	853,045	56%					<- Based on same	e % split from	2011 loads	
Total	1,518,466						<- Assumed from	2020 Load; ir	ncludes 10% adder and 5% for losses	
Wholesale Water Cost	2014	2015	2016	2017	2018	2019				
Peak Months	\$1,510,505						- Based on Cont	tract Amount	and SPU System Baseline Rates	
Off-peak months	\$1,305,159						<- Based on Cont	tract Amount	and SPU System Baseline Rates	
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201	01 <- Forecast increased by Inflation, SPU escalation, and change in Total Revenues			
							and change in	Total Revenu	es	
Wholesale Rates										
	2011	2011	2012	2012	2013	2013	2014	2014		
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak		
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast	
Change from prior year			18%	18%	1%	0%	0%	0%		
Transition discount	(\$0.13)	(\$0.12)								
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast	
Change from prior year			31%	26%	1%	0%	0%	0%		
Interim Growth Charge	\$0.60	\$0.60								
Subregional Surcharge Rates										
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07		
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16		
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19		
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD		

Shoreline Muncipal Water Utility - Updated Case G Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$73,873	\$77,566	\$81,445	\$85,517	\$89,793	\$94,282	\$98,997	\$103,946	\$109,144	\$114,601
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,943,540	\$15,709,212	\$16,514,681	\$17,362,048	\$18,253,524	\$19,191,439	\$20,178,249	\$21,216,542	\$22,309,043	\$23,458,624
Expenses										
Wholesale Water Supply	\$3,443,399	\$3,570,466	\$3,702,358	\$3,839,263	\$3,981,377	\$4,128,903	\$4,282,055	\$4,441,051	\$4,606,123	\$4,777,508
Non-Supply O&M	\$5,129,999	\$5,386,499	\$5,655,823	\$5,938,615	\$6,235,545	\$6,547,323	\$6,874,689	\$7,218,423	\$7,579,344	\$7,958,312
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$10,213,373	\$10,680,979	\$11,170,603	\$11,683,306	\$12,220,200	\$12,782,451	\$13,371,284	\$13,987,983	\$14,633,894	\$15,310,432
Net Operating Funds	\$4,730,166	\$5,028,233	\$5,344,078	\$5,678,742	\$6,033,324	\$6,408,988	\$6,806,965	\$7,228,559	\$7,675,148	\$8,148,192
Debt Service Coverage Ratio	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6
Debt payments - Initial	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192
Net Cash Flow before CIP	\$1,631,974	\$1,930,040	\$2,245,886	\$2,580,550	\$2,935,132	\$3,310,796	\$3,708,773	\$4,130,367	\$4,576,956	\$5,050,000
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,120,360	\$2,226,378	\$2,337,697	\$2,454,582	\$2,577,311	\$2,706,176	\$2,841,485	\$2,983,560	\$3,132,738
Total Expenses (with Debt & CIP)	\$15,131,654	\$15,899,531	\$16,495,173	\$17,119,195	\$17,772,974	\$18,457,954	\$19,175,653	\$19,927,660	\$20,715,646	\$21,541,361
Net Revenue - Available for Mains Replacement	\$0	\$0	\$19,508	\$242,853	\$480,550	\$733,485	\$1,002,597	\$1,288,882	\$1,593,397	\$1,917,263
Net Revenue as Percent of Total Revenue	0.0%	0.0%	0.1%	1.4%	2.6%	3.8%	5.0%	6.1%	7.1%	8.2%
Target Mains Replacement per Year	\$2,113,526	\$2,219,203	\$2,330,163	\$2,446,671	\$2,569,004	\$2,697,455	\$2,832,327	\$2,973,944	\$3,122,641	\$3,278,773
Cumulative Mains Replacement	\$2,113,320	\$2,219,203 \$0	\$2,330,103 \$19,508	\$2,440,071	\$2,309,004 \$742,910	\$2,097,433 \$1,476,395	\$2,832,327 \$2,478,992	\$2,973,944 \$3,767,874	\$5,361,271	\$7,278,533
Percent Total Mains Replacement Funded	\$0 0.0%	\$0 0.0%	\$19,508 0.0%	\$262,360 0.3%	\$742,910 1.0%	\$1,476,395 2.0%	\$2,478,992 3.3%	\$3,767,874 5.0%	\$5,301,271 7.1%	\$7,278,533 9.6%
	0.0%	0.0%	0.0%	0.3%	1.0%	2.0%	3.3%	5.0%	7.1%	9.6%

Shoreline Muncipal Water Utility - Updated Case G Budget Summary

Nervense Unit Size		2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Use of Failing, Chargen \$120,231 \$122,248 \$132,065 \$138,298 \$44,216 \$150,255 \$106,218 \$117,48 \$136,006 Nick, Revenue 50	Revenues											
Use of Facilities Chargets 5120.331 5120.331 5120.331 5120.331 5120.331 5120.331 5120.831 512	Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Ory of Sourcilles Tax Revenue (franchise fed) 90		\$120,331	\$126,348	\$132,665	\$139,298	\$146,263	\$153,576	\$161,255	\$169,318	\$177,784	\$186,673	\$196,006
State Revenue 90 90 90 90 90 90 90 90 90 Total Revenues 924,660,0716 928,984,024 927,770.01 928,984,725 930,00120 930,204,830 933,782,257 935,773,580 937,401,248 939,11,404 941,641,537 Expense 50,547,618 93,974,7238 93,973,773 801,015,046 850,024,413 56,241,747 56,487,538 55,776,1198 57,000,139 57,000,	Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues \$24,660,716 \$25,584,024 \$37,392,021 \$28,849,725 \$30,400,192 \$32,034,880 \$33,758,277 \$35,577,550 \$37,491,244 \$491,641,533 Expense Winksake Water Supply \$4,953,646 \$5,147,013 \$5,579,812 \$5,079,129 \$5,079,139 \$7,009,139	City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Expenses St.953,646 S5,147,834 S5,359,812 S5,778,251 S6,005,443 S6,241,747 S6,487,536 S6,743,198 S7,009,139 S7,285,781 Non Supply O&M S8,356,227 S8,740,393 S9,712,740 S1,066,489 S11,198,144 S11,788,051 S12,245,325 S13,246,325 S12,246,325 S13,246,325 S12,246,325 S13,1414 Operations 50 <t< td=""><td>State Tax Revenue</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td></t<>	State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wholesale Water Supply 54,953,646 55,378,341 55,559,812 55,578,251 56,005,443 56,241,747 56,487,336 56,743,138 57,025,781 Non-Supply O&M 58,366,227 58,774,039 59,212,740 59,073,251 510,157,061 510,064,839 511,198,144 511,78,051 512,493,351 513,061,141 Operations 50	Total Revenues	\$24,660,716	\$25,984,024	\$27,379,051	\$28,849,725	\$30,400,192	\$32,034,830	\$33,758,257	\$35,575,350	\$37,491,254	\$39,511,404	\$41,641,533
Wholesale Water Supply 54,953,646 55,378,341 55,559,812 55,578,251 56,005,443 56,241,747 56,487,336 56,743,138 57,025,781 Non-Supply O&M 58,366,227 58,774,039 59,212,740 59,073,251 510,157,061 510,064,839 511,198,144 511,78,051 512,493,351 513,061,141 Operations 50	Fynenses											
Non-Supply O&M \$8,8356,227 \$8,774,039 \$9,272,740 \$9,673,378 \$10,157,046 \$10,664,899 \$11,198,144 \$11,758,051 \$12,245,993 \$12,943,251 \$13,01,144 Operations 50	•	\$4 953 646	\$5 147 834	\$5 349 783	\$5 559 812	\$5 778 251	\$6 005 443	\$6 241 747	\$6 487 536	\$6 743 198	\$7 009 139	\$7 285 781
Operations 50												
Engineering S0											. , ,	. , ,
Pumping 50 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
Treatment S0	• •										-	
Distribution System 50 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td>							-				-	
Fire Hydrants S0												
Customer Service Incl. meter reading S0												
Administrative & General 50	,						-					
State Tax Expense \$1,234,136 \$1,230,383 \$1,370,221 \$1,443,847 \$1,521,470 \$1,603,308 \$1,689,593 \$1,780,569 \$1,876,494 \$1,977,641 \$2,084,296 City of Shoreline Tax Expense (franchise fee) \$1,472,423 \$1,551,461 \$1,634,783 \$1,722,626 \$1,815,236 \$1,912,875 \$2,015,820 \$2,238,808 \$2,239,464 \$2,248,732 Total Operating Expenses \$16,076,433 \$9,217,039 \$9,811,523 \$10,450,062 \$11,848,304 \$12,612,953 \$13,424,832 \$14,286,800 \$15,201,889 \$16,173,312 Net Operating Funds \$8,644,283 \$9,210,309 \$9,811,523 \$10,450,062 \$11,848,304 \$12,612,953 \$13,424,832 \$14,286,800 \$15,201,889 \$16,173,312 Debt Service Coverage Ratio 2.8 3.0 3.2 3.4 3.6 3.8 4.1 4.3 4.6 4.9 \$5.2 Debt payments - Initial \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 <td>•</td> <td></td>	•											
City of Shoreline Tax Expense (franchise fee) \$1,472,423 \$1,551,461 \$1,634,783 \$1,722,626 \$1,815,236 \$1,912,875 \$22,015,820 \$2,124,362 \$2,238,808 \$2,359,484 \$24,486,732 Total Operating Expenses \$16,016,433 \$16,773,715 \$17,567,528 \$18,399,663 \$19,272,003 \$20,186,525 \$21,143,304 \$22,150,518 \$23,309,454 \$24,486,732 Net Operating Funds \$8,644,283 \$9,210,309 \$9,811,523 \$10,450,062 \$11,128,189 \$11,848,304 \$12,612,953 \$13,424,832 \$14,286,800 \$15,201,889 \$16,173,312 Debt Service Coverage Ratio 2.8 3.0 3.2 3.4 3.6 3.8 4.1 4.3 4.6 4.9 5.2 Debt payments - Initial \$3,098,192 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>							-					
Total Operating Expenses \$16,016,433 \$16,773,715 \$17,567,528 \$18,399,663 \$19,272,003 \$20,186,525 \$21,145,304 \$22,150,518 \$22,204,454 \$24,309,514 \$22,468,221 Net Operating Funds \$8,644,283 \$9,210,309 \$9,811,523 \$10,450,062 \$11,128,189 \$11,848,304 \$12,612,953 \$13,424,832 \$12,201,889 \$15,201,899 \$15,201,899 \$13,075,119 Debt payments - Initial \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192 \$3,098,192												
Debt Service Coverage Ratio 2.8 3.0 3.2 3.4 3.6 3.8 4.1 4.3 4.6 4.9 5.2 Debt payments - Initial \$3,098,192 \$3,098,												
Debt Service Coverage Ratio 2.8 3.0 3.2 3.4 3.6 3.8 4.1 4.3 4.6 4.9 5.2 Debt payments - Initial \$3,098,192 \$3,098,												
Debt payments - Initial \$3,098,192	Net Operating Funds	\$8,644,283	\$9,210,309	\$9,811,523	\$10,450,062	\$11,128,189	\$11,848,304	\$12,612,953	\$13,424,832	\$14,286,800	\$15,201,889	\$16,173,312
Net Cash Flow before CIP \$5,546,091 \$6,112,117 \$6,713,331 \$7,351,870 \$8,029,997 \$8,750,112 \$9,514,761 \$10,326,640 \$11,188,608 \$12,103,697 \$13,075,119 Debt payments - CIP \$0	Debt Service Coverage Ratio	2.8	3.0	3.2	3.4	3.6	3.8	4.1	4.3	4.6	4.9	5.2
Debt payments - CIP \$0 <td>Debt payments - Initial</td> <td>\$3,098,192</td>	Debt payments - Initial	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192	\$3,098,192
Cash Funded CIP - Ongoing \$3,289,374 \$3,453,843 \$3,626,535 \$3,807,862 \$3,998,255 \$4,198,168 \$4,408,076 \$4,628,480 \$4,859,904 \$5,102,899 \$5,358,044 Total Expenses \$22,403,999 \$23,325,750 \$24,292,255 \$25,305,717 \$26,368,451 \$27,482,885 \$28,651,572 \$29,877,190 \$31,162,550 \$32,510,606 \$33,924,458 Net Revenue - Available for Mains Replacement \$2,256,717 \$2,658,274 \$3,086,796 \$3,544,008 \$4,031,742 \$4,551,945 \$5,106,685 \$5,698,160 \$6,328,704 \$7,000,798 \$7,717,075 Net Revenue - Available for Mains Replacement 9.2% 10.2% 11.3% 12.3% 13.3% 14.2% 15.1% 16.0% 16.9% 17.7% 18.5% Target Mains Replacement per Year \$3,442,712 \$3,614,847 \$3,795,589 \$3,985,369 \$4,184,637 \$4,393,869 \$4,613,563 \$4,844,241 \$5,086,453 \$5,540,7814 Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,5	Net Cash Flow before CIP	\$5,546,091	\$6,112,117	\$6,713,331	\$7,351,870	\$8,029,997	\$8,750,112	\$9,514,761	\$10,326,640	\$11,188,608	\$12,103,697	\$13,075,119
Cash Funded CIP - Ongoing \$3,289,374 \$3,453,843 \$3,626,535 \$3,807,862 \$3,998,255 \$4,198,168 \$4,408,076 \$4,628,480 \$4,859,904 \$5,102,899 \$5,358,044 Total Expenses \$22,403,999 \$23,325,750 \$24,292,255 \$25,305,717 \$26,368,451 \$27,482,885 \$28,651,572 \$29,877,190 \$31,162,550 \$32,510,606 \$33,924,458 Net Revenue - Available for Mains Replacement \$2,256,717 \$2,658,274 \$3,086,796 \$3,544,008 \$4,031,742 \$4,551,945 \$5,106,685 \$5,698,160 \$6,328,704 \$7,000,798 \$7,717,075 Net Revenue - Available for Mains Replacement 9.2% 10.2% 11.3% 12.3% 13.3% 14.2% 15.1% 16.0% 16.9% 17.7% 18.5% Target Mains Replacement per Year \$3,442,712 \$3,614,847 \$3,795,589 \$3,985,369 \$4,184,637 \$4,393,869 \$4,613,563 \$4,844,241 \$5,086,453 \$5,540,7814 Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,5	Deht navments - CIP	¢۵	¢በ	¢ስ	ሩስ	¢በ	ŚO	ሩስ	¢በ	¢ስ	¢በ	¢በ
Total Expenses \$22,403,999 \$23,325,750 \$24,292,255 \$25,305,717 \$26,368,451 \$27,482,885 \$28,651,572 \$29,877,190 \$31,162,550 \$32,510,606 \$33,924,458 Net Revenue - Available for Mains Replacement \$2,256,717 \$2,658,274 \$3,086,796 \$3,544,008 \$4,031,742 \$4,551,945 \$5,106,685 \$5,698,160 \$6,328,704 \$7,000,798 \$7,717,075 Net Revenue - Available for Mains Replacement 9.2% 10.2% 11.3% 12.3% 13.3% 14.2% 15.1% 16.0% 16.9% \$7,700,798 \$5,607,814 Target Mains Replacement per Year \$3,442,712 \$3,614,847 \$3,795,589 \$3,985,369 \$4,184,637 \$4,393,869 \$4,613,563 \$4,844,241 \$5,086,453 \$5,540,776 \$5,607,814 Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,259,436	1 /						-					
Net Revenue - Available for Mains Replacement 9.2% 10.2% 11.3% 12.3% 13.3% 14.2% 15.1% 16.0% 16.9% 17.7% 18.5% Target Mains Replacement per Year \$3,442,712 \$3,614,847 \$3,795,589 \$3,985,369 \$4,184,637 \$4,393,869 \$4,613,563 \$4,844,241 \$5,086,453 \$5,340,776 \$5,607,814 Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,259,436												
Net Revenue - Available for Mains Replacement 9.2% 10.2% 11.3% 12.3% 13.3% 14.2% 15.1% 16.0% 16.9% 17.7% 18.5% Target Mains Replacement per Year \$3,442,712 \$3,614,847 \$3,795,589 \$3,985,369 \$4,184,637 \$4,393,869 \$4,613,563 \$4,844,241 \$5,086,453 \$5,340,776 \$5,607,814 Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,259,436												
Target Mains Replacement per Year \$3,442,712 \$3,614,847 \$3,795,589 \$3,985,369 \$4,184,637 \$4,393,869 \$4,613,563 \$4,844,241 \$5,086,453 \$5,340,776 \$5,607,814 Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,259,436	Net Revenue - Available for Mains Replacement	\$2,256,717	\$2,658,274	\$3,086,796	\$3,544,008	\$4,031,742	\$4,551,945	\$5,106,685	\$5,698,160	\$6,328,704	\$7,000,798	\$7,717,075
Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,259,436	Net Revenue - Available for Mains Replacement	9.2%	10.2%	11.3%	12.3%	13.3%	14.2%	15.1%	16.0%	16.9%	17.7%	18.5%
Cumulative Mains Replacement \$9,535,250 \$12,193,524 \$15,280,320 \$18,824,327 \$22,856,069 \$27,408,014 \$32,514,698 \$38,212,858 \$44,541,562 \$51,542,360 \$59,259,436	Target Mains Replacement per Year	\$3,442,712	\$3,614,847	\$3,795,589	\$3,985,369	\$4,184,637	\$4,393,869	\$4,613,563	\$4,844,241	\$5,086,453	\$5,340,776	\$5,607,814
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Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
		\$20,000,000	\$20,000,000	2020	2020	0	
Separation Cost							
Option:	B3	\$8,542,269	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$11,930,190	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518				
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Low	-0.5%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sho	oreline Water Sy	stem Finan	icial Analysis Appendix Page 117

Revenue Forecast

Persons 2011 Actual 2010 2013 2014 2015 2016 2017 2018 2019 Residential \$55,485,547 \$51,978,25 \$50,078,185 \$64,1049 \$51,953,265 \$51,953,267 \$51,978,25 \$52,278,976 \$51,253,275 \$51,253,275 \$51,253,275 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,516 \$52,288,216 \$52,288,216 \$52,288,216 \$52,288,216 \$52,288,216 \$52,288,216 \$52,288,216 \$52,21,251 \$52,261,205 \$52,21,251 \$52,261,205 \$52,27,152 \$52,31,216 \$52,27,252 \$52,171,55 \$52,261,205 \$52,27,152 \$52,171,55 \$52,61,205 \$52,27,518 \$51,216,850 \$52,27,518 \$51,216,850 \$52,27,518 \$51,216,850 \$52,27,518 \$51,216,850 \$52,27,518 \$51,216,850 \$52,27,518 \$51,216,850 \$52,27,518 \$51,216,850 \$52,27,518 \$52,251,215 <t< th=""><th>Revenue Forecast</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Revenue Forecast										
pesidential 55,459,947 56,078,185 56,431,049 56,839,003 57,088,271 57,744,628 57,614,400 57,891,912 58,175,500 Commercial 51,452,391 51,123,122 51,123,122 51,123,123 51,123,123 51,1304,775 51,165,099 MMRD 5224,812 521,731,73 51,1394,775 511,669 533,334 533,334 533,334 534,731,53 532,104,73 522,02,51 523,1244 522,20,251 523,1244 522,212,51 521,244 522,512,51 521,244 522,512,51 521,244 522,512,51 521,244 522,512,51 521,255 511,611 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,530 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543 524,543	_		Adjusted	Forecast							
Multi-Family 598,677 \$1,172,970 \$1,272,971 \$1,273,972 \$1,273,973 \$1,273,973 \$1,273,973 \$1,273,973 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$1,273,974 \$2,283,173 \$238,284 \$2,283,173 \$238,284 \$238,284 \$228,373 \$238,282 \$221,715 \$246,810 \$227,231 \$238,284 \$228,373 \$238,284 \$238,284 \$228,373 \$238,728 \$227,715 \$13,885,599 Total \$58,959,502 \$50,17,57 \$51,056 \$51,056 \$51,056,76 \$11,652,68 \$12,059,622 \$12,71,93 \$13,121,52 \$13,485,599 Cotal \$50,17,57 \$51,05 \$5,66 \$5,742 \$7,75 \$51,05 \$51,07,07 \$51,07,07 \$51,07,07 \$51,07,07 \$51,07,07 \$51,07,07 \$51,07,07 \$51,07,07 \$51,07,07 \$51,07,07											
Commercial \$1,423,391 \$1,733,39 \$1,930,461 \$2,238,851 \$2,524,479 \$2,524,681,81 \$2,220,683 MMRD \$242,812 \$273,522 \$273,522 \$213,163 \$333,248 \$345,513 \$390,161 \$373,344 \$348,065 \$210,251 \$221,261 \$212,656 \$151,25 \$151,552 \$513,552 \$521,551 \$5262 \$56,50 \$58,93											
MMR0 522.48.12 527.96.22 529.17.43 531.16.19 5332.384 5380.065 \$400.425 Pire \$139.071 \$151.974 \$200.763 \$220.215 \$221.441 \$228.313 \$223.728 \$251.755 \$526.300 \$277.515 \$538.605 \$500.775 \$11.562.568 \$12.059.622 \$12.578.930 \$131.51.599 \$13.568.509 Average Nate Average Nate State St	,				. , ,						
Fire \$139.407 \$151.974 \$163.675 \$217.603 \$199.741 \$220.761 \$221.164 \$242.827 Other \$139.307 \$173.683 \$187.065 \$201.811 \$217.441 \$222.82 \$217.155 \$264.805 \$227.155 \$264.805 \$227.255 \$217.641 \$227.845 \$12.059.622 \$12.578.93 \$13.121.529 \$13.686.509 Average Rate \$10.205 \$17.50 \$57.50 \$57.50 \$57.50 \$57.50 \$57.51 \$57.67 \$56.10 \$66.74 \$7.72 \$57.85 \$8.24 \$8.65 \$59.02 \$59.71 Fire \$700.99 \$10.56 \$256.23 \$221.44 \$23.857 \$255.55 \$52.52 \$52.55 \$52.52 \$52.55											
Other \$193.997 \$173.683 \$107.056 \$201.311 \$217.411 \$228.126 \$225.715 \$264.300 \$277.515 Total \$80.970 \$0.007.751 \$0.50.901.851 \$10.203.766 \$11.62.676 \$11.52.658 \$12.578.90 \$13.12.129 \$13.688.009 Average tate sta \$5.30 \$5.30 \$5.86 \$6.47 \$7.712 \$7.48 \$7.85 \$8.44 \$8.65 \$9.02 \$9.07 Multi-amily \$5.50 \$5.80 \$5.712 \$7.77 \$8.18 \$5.81.85 \$5.902 \$5.97.17 Ommercial \$5.58 \$6.12 \$6.60 \$7.712 \$7.79 \$8.18 \$5.88 \$9.92 \$9.02 \$9.07 Fire \$50.09 \$10.05 \$205.23 \$221.44 \$238.57 \$52.95 \$6.55 \$6.58 \$5.93 \$5.62 \$5.67 \$5.89 \$30.48 Other \$5.59 \$5.62 \$5.65 \$5.628 \$5.62 \$5.625 \$5.656 \$6.898 \$10.31 \$10.898											
Total \$8,458,920 \$10,017,751 \$9,539,118 \$10,293,786 \$11,1086,776 \$11,562,568 \$11,252,582 \$11,578,939 \$13,121,522 \$13,688,509 Average Rate Residential 57,50 57,50 57,96 58,59 59,25 59,71 \$10.20 \$10.71 \$11,25 \$13,121,522 \$13,688,509 Commercial 55,67 55,61 56,67 57,42 57,742 57,79 \$8.18 \$8.88 58,93 59,022 \$59,79 Fire 5700,99 \$190,56 \$205,23 \$221,44 \$238,57 \$250,50 \$54,52 \$66,56 \$50,31 \$10,08 Other \$55,59 \$52,52 \$56,56 \$56,89 \$273,013 \$10,20 \$10,716 \$69,211 Ccr Teal 730,074 768,573 778,654 779,17 129,353 199,730 193,168 139,467 193,866 194,246 Commercial 256,160 282,534 284,397 265,65 326,563 328,366 328,366 328,366 <									. ,		
Average Rate Pecidential \$7.50 \$7.50 \$7.50 \$8.59 \$9.25 \$9.71 \$10.20 \$10.71 \$11.25 \$11.81 Multi-family \$5.30 \$5.86 \$6.47 \$7.12 \$7.48 \$7.85 \$8.24 \$8.65 \$9.02 \$9.47 MMRD \$5.86 \$6.12 \$5.60 \$7.12 \$7.67 \$8.05 \$8.48 \$9.32 \$9.79 Fire \$700.9 \$190.56 \$205.23 \$221.44 \$238.57 \$526.50 \$526.55 \$56.83 \$224.33 Other \$5.59 \$5.61 \$56.80 \$7.24 \$7.86 \$8.51 \$8.93 \$9.37 \$9.83 \$10.31 \$10.44 \$122.33 \$10.41 \$10.44 \$10.768 \$692.71 \$10.601 \$19.771 \$192.353 \$192.730 \$193.487 \$193.866 \$194.246 \$20060 \$29.1973 \$23.898 \$29.885 \$297.787 \$20.44 \$14.464 \$41.242 \$20060 \$29.1973 \$23.898 \$29.826 \$29.785 \$21.393											
Residential 57.50 57.50 57.96 58.59 59.25 59.71 510.20 510.71 511.23 511.81 Multi-Family 55.30 55.30 55.86 56.71 57.12 \$7.48 \$7.85 \$8.24 \$8.25 \$9.09 Commercial 55.67 56.10 56.74 \$7.12 \$7.78 \$8.05 \$8.45 \$8.28 \$9.32 \$9.379 Fire 570.09 \$510.56 \$202.52 \$52.14 \$238.75 \$52.50 \$52.63 \$52.89 \$59.33 \$51.31 \$51.082 Other \$55.91 \$56.31 \$56.81 \$52.66 \$5.567 \$52.95 \$56.25 \$56.89 \$57.23 \$51.082 \$51.31 \$51.31 \$51.31 \$51.31 \$51.31 \$51.31 \$51.31 \$51.31 \$51.32 \$52.55 \$52.55 \$52.55 \$52.55 \$55.57 \$52.50 \$52.567 \$52.61.31 \$51.31 \$51.31 \$51.31 \$51.31 \$51.31 \$51.31 \$51.27 \$77.31 \$51.35<	Total	\$8,458,920	\$9,017,751	\$9,539,118	\$10,293,786	\$11,086,776	\$11,562,568	\$12,059,622	\$12,578,930	\$13,121,529	\$13,688,509
Multi-Family \$5.30 \$5.30 \$5.86 \$6.47 \$7.12 \$7.48 \$7.85 \$8.24 \$8.65 \$9.09 Commercial \$5.67 \$5.67 \$6.10 \$5.74 \$7.42 \$7.79 \$8.18 \$8.59 \$9.02 \$9.47 MMRD \$5.58 \$6.12 \$6.60 \$7.12 \$7.67 \$8.05 \$8.48 \$9.32 \$9.47 Other \$55.9 \$4.53 \$4.88 \$52.5 \$5.55 \$5.56 \$5.68 \$9.937 \$9.83 \$10.36 \$10.82 Other \$5.89 \$6.80 \$7.74 \$7.86 \$8.51 \$8.93 \$9.37 \$9.83 \$10.31 \$10.82 Other \$5.61 \$25.05.1 \$5.85.1 \$8.93 \$10.37 \$13.86 \$10.84 \$10.86 \$27.11 Multi-Family \$18.88 \$19.226 \$10.101 19177 \$19.3167 \$192,403 \$10.944 \$11.66 \$127.11 MMRD \$3.208 \$44.679 \$44.232 \$43.352 \$24.918	Average Rate										
Commercial S5.67 S5.67 S6.10 S6.74 S7.42 S7.79 S8.18 S8.59 S9.02 S9.47 MMRD S5.88 S6.12 S6.60 S7.12 S7.67 S8.05 S8.45 S8.88 S9.32 S9.79 Fire S700.99 S190.56 S205.23 S22.144 S238.57 S52.05 S26.32 S27.17 S289.98 S304.48 Other S5.59 S4.53 S4.88 S5.26 S5.55 S6.25 S5.55 S5.83 S10.31 S10.82 CCF Residential 732.074 768.573 758.654 748.862 739.197 720.657 720.240 710.944 701.768 692.711 Multi-Family 180.889 191.226 191.601 191.977 123.33 192.730 193.108 193.487 193.866 194.246 Commercial 256.16 282.342 43.790 43.352 44.918 42.489 42.064 41.644 41.227 Fire	Residential	\$7.50	\$7.50	\$7.96	\$8.59	\$9.25	\$9.71	\$10.20	\$10.71	\$11.25	\$11.81
commercial \$5.67 \$5.67 \$6.10 \$6.74 \$7.42 \$7.79 \$8.18 \$8.89 \$9.02 \$9.47 MMRD \$5.88 \$6.12 \$6.60 \$7.12 \$7.67 \$8.05 \$8.45 \$8.88 \$9.32 \$57.47 Pire \$700.99 \$190.56 \$205.23 \$22.144 \$238.57 \$52.05 \$56.52 \$55.52 \$56.52 \$56.56 \$56.89 \$51.03 \$10.82 Other \$56.81 \$56.80 \$7.24 \$7.86 \$8.51 \$8.93 \$53.7 \$9.83 \$10.82 CCF Residential 732.074 768.573 758.654 748,862 739.197 729.657 720.240 710.944 701.768 692.711 Multi-Family 180.89 191.226 191,601 192.573 288.160 290.060 291.973 293.88 295.853 297.787 MMRD 38.208 44.679 44.232 43,790 42.918 42.489 42.064 41.644 <t< td=""><td>Multi-Family</td><td>\$5.30</td><td>\$5.30</td><td>\$5.86</td><td>\$6.47</td><td>\$7.12</td><td>\$7.48</td><td>\$7.85</td><td>\$8.24</td><td>\$8.65</td><td>\$9.09</td></t<>	Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.12	\$7.48	\$7.85	\$8.24	\$8.65	\$9.09
MMRD \$5,88 \$6,512 \$6,60 \$7,12 \$7,67 \$8,05 \$8,43 \$8,88 \$9,32 \$9,79 Fire \$5,09 \$5,433 \$5,433 \$5,20 \$5,26 \$5,255 \$5,275 \$5,21,275 \$1,24,275 \$1,24,275 \$1,24,275 \$1,24,275 \$1,24,276 \$1,257,277 \$1,26,5135 \$5	Commercial	\$5.67	\$5.67		\$6.74	\$7.42	\$7.79	\$8.18		\$9.02	\$9.47
Fire \$700.99 \$190.56 \$205.23 \$221.44 \$238.57 \$250.50 \$263.02 \$276.17 \$289.98 \$30.48 Other \$5.59 \$6.81 \$6.80 \$7.24 \$7.86 \$5.95 \$6.25 \$6.25 \$56.55 \$5.93 \$51.031 \$51.082 CCF 732,074 768,573 758,654 748,862 739,197 729,657 720,240 710,944 701,768 692,711 Multi-family 180,889 191,226 191,601 191,971 129,353 192,730 133,108 193,487 193,866 194,246 Commercial 256,160 282,534 284,397 248,370 248,160 290,060 291,973 293,898											
Other \$55.59 \$4.53 \$4.88 \$5.26 \$5.67 \$5.95 \$6.25 \$6.56 \$5.89 \$7.23 Total \$6.81 \$6.80 \$7.24 \$7.86 \$8.51 \$8.93 \$9.37 \$9.83 \$10.31 \$10.82 Cc 748,862 739,197 729,657 720,240 701,768 692,711 Multi-family 180,889 191,226 191,601 191,977 192,333 192,730 193,108 193,487 193,868 692,717 MMRD 38,208 44,679 44,432 43,790 43,352 42,498 42,064 41,644 41,227 Fire 199 798 798 798 798 798 798 38,366 <td></td>											
Total \$6.81 \$6.80 \$7.24 \$7.86 \$8.51 \$8.93 \$9.37 \$9.83 \$10.31 \$10.82 CCF Residential 732,074 768,573 758,654 748,862 739,197 729,657 720,240 710,944 701,768 692,711 Multi-family 180,889 191,226 191,001 191,977 192,353 192,730 193,108 193,487 193,866 692,713 Commercial 256,160 282,534 284,397 286,273 288,160 290,060 291,973 293,888 295,836 297,787 MMRD 38,208 44,679 44,323 43,350 42,489 42,064 41,644 41,227 Fire 199 798											
Residential732,074768,573758,654748,862739,197729,657720,240710,944701,768692,711Multi-Family180,889191,226191,601191,977192,353192,730193,108193,487193,866194,246Commercial256,160282,534284,397286,273288,106290,060291,973293,898295,836297,847MMRD38,20844,67944,22243,79043,35242,91842,48942,06441,64441,227Fire199798704704704704704706.170.470.											
Residential732,074768,573758,654748,862739,197729,657720,240710,944701,768692,711Multi-Family180,889191,226191,601191,977192,353192,730193,108193,487193,866194,246Commercial256,160282,534284,397226,273288,160290,060291,973293,898295,836297,847MMRD38,20844,67944,23243,79043,35242,91842,48942,06441,64441,227Fire199798704704704704706.170.770.	CCE										
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Commercial 256,160 282,534 284,397 286,273 288,160 290,060 291,973 293,898 295,836 297,787 MMRD 38,208 44,679 44,232 43,790 43,352 44,918 44,249 44,064 41,644 41,247 Fire 199 798 794 70.6		,	,	,	,	,	-	,	,	,	,
MMRD 38,208 44,679 44,322 43,790 43,352 42,918 42,489 42,064 41,644 41,227 Fire 199 798 1,242,257 1,25,155 T 1,264,150 1,265,155 1,265,155 1,265,155 1,265,155 T 1,265,155 T 1,265,155 T 1,265,155 T 1,265,155 T T T T T T T T T T T T	,	,	-	,	-	-		,		,	
Fire199798798798798798798798798798798798Other34,73538,36636,3636,3636,3636,3636,3636,3636,36<										-	
Other Total 34,735 38,366 36,36 36,36 36,3		-	-				-	-	-		
Total 1,242,265 1,326,177 1,318,048 1,300,065 1,302,226 1,294,530 1,276,577 1,272,278 1,265,135 CCF per Customer Residential 75.7 79.5 78.3 77.1 75.9 74.8 73.7 72.6 71.5 70.4 Multi-Family 766.5 810.3 802.2 794.2 786.2 778.4 770.6 762.9 755.2 747.7 Commercial 642.0 708.1 70											
CCF per Customer Residential 75.7 79.5 78.3 77.1 75.9 74.8 73.7 72.6 71.5 70.4 Multi-Family 766.5 810.3 802.2 794.2 786.2 778.4 770.6 762.9 755.2 747.7 Commercial 642.0 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 708.1 10,622.3 10,516.1 10,410.9 10,306.8 MMRD 9,552.0 11,169.8 11,058.1 10,947.5 10,838.0 10,729.6 10,622.3 10,516.1 10,410.9 10,306.8 Other .15 5 9 5.9 5											
Residential75.779.578.377.175.974.873.772.671.570.4Multi-Family766.5810.3802.2794.2786.2778.4770.6762.9755.2747.7Commercial642.0708.170	Total	1,242,265	1,326,177	1,318,048	1,310,065	1,302,226	1,294,530	1,286,974	1,279,557	1,272,278	1,265,135
Multi-Family766.5810.3802.2794.2786.2778.4770.6762.9755.2747.7Commercial642.0708.1 </td <td>CCF per Customer</td> <td></td>	CCF per Customer										
Commercial642.0708.1708.1708.1708.1708.1708.1708.1708.1708.1MMRD9,552.011,169.811,058.110,947.510,838.010,729.610,622.310,516.110,410.910,306.8Fire1.55.95.95.95.95.95.95.95.95.9Other74.782.5 <td>Residential</td> <td>75.7</td> <td>79.5</td> <td>78.3</td> <td>77.1</td> <td>75.9</td> <td>74.8</td> <td>73.7</td> <td>72.6</td> <td>71.5</td> <td>70.4</td>	Residential	75.7	79.5	78.3	77.1	75.9	74.8	73.7	72.6	71.5	70.4
MMRD9,552.011,169.811,058.110,947.510,838.010,729.610,622.310,516.110,410.910,306.8Fire1.55.95.95.95.95.95.95.95.95.95.9Other74.782.5 <td>Multi-Family</td> <td>766.5</td> <td>810.3</td> <td>802.2</td> <td>794.2</td> <td>786.2</td> <td>778.4</td> <td>770.6</td> <td>762.9</td> <td>755.2</td> <td>747.7</td>	Multi-Family	766.5	810.3	802.2	794.2	786.2	778.4	770.6	762.9	755.2	747.7
Fire1.55.95.95.95.95.95.95.95.95.9Other74.782.582.582.582.582.582.582.582.582.5113.9121.5120.5119.5118.5117.5116.6115.6114.7113.8Customersrrr <t< td=""><td>Commercial</td><td>642.0</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td><td>708.1</td></t<>	Commercial	642.0	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1
Other 74.7 82.5 <t< td=""><td>MMRD</td><td>9,552.0</td><td>11,169.8</td><td>11,058.1</td><td>10,947.5</td><td>10,838.0</td><td>10,729.6</td><td>10,622.3</td><td>10,516.1</td><td>10,410.9</td><td>10,306.8</td></t<>	MMRD	9,552.0	11,169.8	11,058.1	10,947.5	10,838.0	10,729.6	10,622.3	10,516.1	10,410.9	10,306.8
113.9121.5120.5119.5118.5117.5116.6115.6114.7113.8CustomersResidential9,6719,6719,6929,7129,7339,7539,7749,7959,8169,837Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD4444444444Fire136136136136136136136136136136Other465465465465465465465465465465465465465	Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Customers Residential 9,671 9,671 9,692 9,712 9,733 9,753 9,774 9,795 9,816 9,837 Multi-Family 236 236 239 242 245 248 251 254 257 260 Commercial 399 399 402 404 407 410 412 415 418 421 MMRD 4<	Other	<u>74.7</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>
Residential9,6719,6719,6929,7129,7339,7539,7749,7959,8169,837Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD4444444444Fire136136136136136136136136136136Other465465465465465465465465465465465465		113.9	121.5	120.5	119.5	118.5	117.5	116.6	115.6	114.7	113.8
Multi-Family236236239242245248251254257260Commercial399399402404407410412415418421MMRD44444444444Fire136136136136136136136136136136136Other465465465465465465465465465465465	Customers										
Commercial 399 399 402 404 407 410 412 415 418 421 MMRD 4	Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Commercial 399 399 402 404 407 410 412 415 418 421 MMRD 4	Multi-Family			-	-	-	-		,	-	-
MMRD 4 5 4 136 <th136< th=""> <th136< th=""> <th136< th=""></th136<></th136<></th136<>	•										
Fire 136											
Other <u>465</u>											
		10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Shoreline Muncipal Water Utility - Updated Case H Revenue Forecast

2021 2026 2027 Revenues 2020 2022 2023 2024 2025 2028 2029 \$8,828,341 \$9,193,472 \$10,811,387 \$11,258,535 \$12,209,076 Residential \$8,477,711 \$9,573,705 \$9,969,663 \$10,381,998 \$11,724,176 \$2,425,257 \$2,558,277 Multi-Family \$1,856,987 \$1,958,839 \$2,066,277 \$2,179,607 \$2,299,154 \$2,698,593 \$2,846,604 \$3,002,734 Commercial \$2,980,591 \$3,142,381 \$3,312,953 \$3,492,784 \$3,682,376 \$3,882,259 \$4,092,993 \$4,315,165 \$4,549,397 \$4,796,344 MMRD \$419,360 \$437,026 \$455,435 \$474,620 \$494,614 \$515,449 \$537,163 \$559,791 \$583,372 \$607,946 Fire \$254,969 \$266,378 \$278,299 \$290,753 \$303,764 \$317,357 \$331,559 \$346,396 \$361,897 \$378,092 Other \$291,391 \$305,961 \$321,259 \$337,322 \$354,188 \$371,897 \$390,492 \$410,017 \$430,517 \$452,043 Total \$14,281,009 \$14,938,925 \$15,627,694 \$16,348,790 \$17,103,758 \$17,894,219 \$18,721,871 \$19,588,497 \$20,495,965 \$21,446,237 Average Rate Residential \$12.40 \$13.02 \$13.67 \$14.35 \$15.07 \$15.82 \$16.62 \$17.45 \$18.32 \$19.23 Multi-Family \$9.54 \$10.02 \$10.52 \$11.05 \$11.60 \$12.18 \$12.79 \$13.43 \$14.10 \$14.80 \$9.94 \$10.44 \$10.96 \$11.51 \$12.09 \$12.69 \$13.99 \$15.43 Commercial \$13.33 \$14.69 MMRD \$10.27 \$10.79 \$11.33 \$11.89 \$12.49 \$13.11 \$13.77 \$14.46 \$15.18 \$15.94 Fire \$319.71 \$335.69 \$352.48 \$370.10 \$388.61 \$408.04 \$428.44 \$449.86 \$472.35 \$495.97 \$10.69 Other \$7.60 \$7.97 \$8.37 \$8.79 \$9.23 \$9.69 \$10.18 \$11.22 \$11.78 Total \$11.35 \$11.91 \$12.50 \$13.11 \$13.76 \$14.44 \$15.15 \$15.89 \$16.67 \$17.50 CCF 672,563 667,028 645,340 640,029 683,771 678,143 661,538 656,094 650,695 634,762 Residential Multi-Family 194,627 195,526 196,428 197,335 198,246 199,162 200,081 201,005 201,933 202,865 Commercial 299,750 300,972 302,200 303,432 304,669 305,911 307,158 308,411 309,668 310,931 MMRD 40,815 40,509 40,205 39,904 39,604 39,307 39,012 38,720 38,429 38,141 798 794 790 786 782 778 774 770 766 762 Fire 38,366 Other 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 Total 1,258,126 1,254,310 1,250,551 1,246,850 1,243,206 1,239,618 1,236,087 1,232,611 1,229,192 1,225,828 CCF per Customer Residential 69.4 68.7 68.0 67.3 66.6 65.3 64.7 64.0 63.4 66.0 734.7 729.1 723.7 718.2 707.5 702.2 696.9 691.7 Multi-Family 740.2 712.9 706.3 701.1 694.1 692.3 Commercial 708.1 704.6 702.8 699.3 697.6 695.8 MMRD 10,203.8 10,127.2 10,051.3 9,975.9 9,901.1 9,753.1 9,680.0 9,607.4 9,535.3 9,826.8 5.9 5.8 5.8 5.7 5.7 5.7 5.7 5.6 5.6 Fire 5.8 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 Other 112.8 112.3 111.7 111.1 110.6 110.0 109.5 108.9 108.4 107.9 Customers Residential 9,858 9,875 9,893 9,911 9,928 9,946 9,964 9,982 9,999 10,017 273 290 293 263 266 269 276 279 283 286 Multi-Family 423 426 429 432 435 437 440 443 446 449 Commercial MMRD 4 4 4 4 4 4 4 4 4 4 Fire 136 136 136 136 136 136 136 136 136 136 465 465 465 465 465 465 465 465 465 Other 465 11,149 11,172 11,196 11,220 11,268 11,292 11,316 11,340 11,365 11,244

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$12,714,031	\$13,282,984	\$13,877,398	\$14,498,411	\$15,147,215	\$15,825,053	\$16,533,224	\$17,273,086	\$18,046,057	\$18,853,618	\$19,697,317
Multi-Family	\$3,168,478	\$3,357,289	\$3,557,352	\$3,769,337	\$3,993,954	\$4,231,957	\$4,484,142	\$4,751,355	\$5,034,491	\$5,334,499	\$5,652,385
Commercial	\$5,094,715	\$5,357,800	\$5,634,471	\$5,925,429	\$6,231,411	\$6,553,194	\$6,891,593	\$7,247,467	\$7,621,717	\$8,015,294	\$8,429,195
MMRD	\$635,152	\$665,242	\$696,758	\$729,767	\$764,340	\$800,550	\$838,477	\$878,199	\$919,804	\$963,380	\$1,009,020
Fire	\$395,012	\$412,689	\$431,157	\$450,451	\$470,609	\$491,668	\$513,670	\$536,657	\$560,673	\$585,763	\$611,976
Other	<u>\$474,645</u>	<u>\$498,378</u>	<u>\$523,297</u>	<u>\$549,461</u>	<u>\$576,934</u>	<u>\$605,781</u>	<u>\$636,070</u>	<u>\$667,874</u>	<u>\$701,267</u>	<u>\$736,331</u>	<u>\$773,147</u>
Total	\$22,482,034	\$23,574,383	\$24,720,432	\$25,922,856	\$27,184,463	\$28,508,203	\$29,897,176	\$31,354,638	\$32,884,009	\$34,488,884	\$36,173,040
Average Rate											
Residential	\$20.20	\$21.21	\$22.27	\$23.38	\$24.55	\$25.78	\$27.06	\$28.42	\$29.84	\$31.33	\$32.90
Multi-Family	\$15.54	\$16.32	\$17.13	\$17.99	\$18.89	\$19.84	\$20.83	\$21.87	\$22.96	\$24.11	\$25.32
Commercial	\$16.20	\$17.01	\$17.86	\$18.75	\$19.69	\$20.67	\$21.71	\$22.79	\$23.93	\$25.13	\$26.38
MMRD	\$16.74	\$17.57	\$18.45	\$19.37	\$20.34	\$21.36	\$22.43	\$23.55	\$24.73	\$25.96	\$27.26
Fire	\$520.77	\$546.81	\$574.15	\$602.85	\$633.00	\$664.65	\$697.88	\$732.77	\$769.41	\$807.88	\$848.28
Other	<u>\$12.37</u>	<u>\$12.99</u>	<u>\$13.64</u>	<u>\$14.32</u>	<u>\$15.04</u>	<u>\$15.79</u>	<u>\$16.58</u>	<u>\$17.41</u>	<u>\$18.28</u>	<u>\$19.19</u>	<u>\$20.15</u>
Total	\$18.35	\$19.26	\$20.21	\$21.21	\$22.25	\$23.35	\$24.50	\$25.71	\$26.98	\$28.31	\$29.71
CCF											
Residential	629,538	626,391	623,259	620,142	617,042	613,956	610,887	607,832	604,793	601,769	598,760
Multi-Family	203,870	205,732	207,611	209,507	211,421	213,352	215,301	217,267	219,252	221,254	223,275
Commercial	314,546	315,037	315,529	316,021	316,514	317,008	317,503	317,999	318,495	318,992	319,490
MMRD	37,951	37,856	37,761	37,667	37,572	37,479	37,385	37,291	37,198	37,105	37,012
ire	759	755	751	747	743	740	736	732	729	725	721
Other	<u>38,366</u>										
Total	1,225,029	1,224,135	1,223,276	1,222,450	1,221,658	1,220,901	1,220,177	1,219,487	1,218,832	1,218,211	1,217,625
CCF per Customer											
Residential	62.7	62.4	62.1	61.8	61.5	61.2	60.9	60.6	60.3	60.0	59.7
Multi-Family	688.3	684.8	681.4	678.0	674.6	671.2	667.9	664.5	661.2	657.9	654.6
Commercial	695.8	692.3	688.9	685.4	682.0	678.6	675.2	671.8	668.4	665.1	661.8
MMRD	9,487.6	9,463.9	9,440.3	9,416.7	9,393.1	9,369.6	9,346.2	9,322.8	9,299.5	9,276.3	9,253.1
ire	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.3	5.3
Other	<u>82.5</u> 107.6	<u>82.5</u> 107.4	<u>82.5</u> 107.3	<u>82.5</u> 107.1	<u>82.5</u> 107.0	<u>82.5</u> 106.9	<u>82.5</u> 106.7	<u>82.5</u> 106.6	<u>82.5</u> 106.5	<u>82.5</u> 106.3	<u>82.5</u> 106.2
Customers	107.0	107.4	107.5	107.1	107.0	100.5	100.7	100.0	100.5	100.5	100.2
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

-0.3%

-21% -15% -2% -15% -5% 0%

Revenue Forecast

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%	-1.50%
Multi-Family	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Commercial	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%	-1.29%
Multi-Family	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.61%	-0.61%	-0.60%	-0.59%	-0.58%	-0.58%	-0.57%	-0.56%
Average Rate Increase	C 40/	7.00/		5.00/	5.00/	5.00/	5.00/	5.00/
Residential	6.1%	7.9%	7.7%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.7%	7.9%	7.7%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.7%	7.9%	7.7%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.7%	7.9%	7.7%	5.0%	5.0%	5.0%	5.0%	5.0%

Shoreline Muncipal Water Utility - Updated Case H Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.50%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-1.00%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%
Commercial	0.00%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	-1.00%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%
Fire	0.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Total CCF Growth										
Residential	0.20%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%
Multi-Family	0.66%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%
Commercial	-1.00%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%	-0.75%
MMRD	0.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.55%	-0.30%	-0.30%	-0.30%	-0.29%	-0.29%	-0.28%	-0.28%	-0.28%	-0.27%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Shoreline Muncipal Water Utility - Updated Case H Revenue Forecast

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Total CCF Growth											
Residential	-0.82%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	0.50%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	1.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Total	-0.07%	-0.07%	-0.07%	-0.07%	-0.06%	-0.06%	-0.06%	-0.06%	-0.05%	-0.05%	-0.05%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$1,539,663	\$1,797,761	\$2,069,585	\$2,355,856	\$2,657,332	\$2,974,809	\$3,309,128	\$3,661,171	\$4,031,869	\$4,422,200
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	0%	0%	0%	5%	13%	20%	28%	35%	42%	48%
Mains Replacement - Amount Funded	\$0	\$0	\$0	\$114,275	\$312,638	\$522,259	\$743,761	\$977,797	\$1,225,060	\$1,486,278
Total CIP By Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,355,856	\$2,657,332	\$2,974,809	\$3,309,128	\$3,661,171	\$4,031,869	\$4,422,200
DSC	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
Surplus	\$0	\$0	\$0	\$114,275	\$312,638	\$522,259	\$743,761	\$977,797	\$1,225,060	\$1,486,278
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,048,760	\$2,143,003	\$2,355,856	\$2,657,332	\$2,974,809	\$3,309,128	\$3,661,171	\$4,031,869	\$4,422,200
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$555,687	\$555,687	\$555 <i>,</i> 687	\$555,687	\$555,687	\$555,687	\$555,687	\$555 <i>,</i> 687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$4,860,371	\$5,328,698	\$5,823,305	\$6,345,635	\$6,897,213	\$7,479,642	\$8,094,618	\$8,743,925	\$9,429,446	\$10,153,169	\$10,917,187
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	56%	63%	70%	77%	84%	90%	97%	103%	109%	115%	121%
Mains Replacement - Amount Fun	\$1,789,396	\$2,116,458	\$2,463,302	\$2,831,073	\$3,220,980	\$3,634,303	\$4,072,393	\$4,536,677	\$5,028,666	\$5,549,952	\$6,102,222
Total CIP By Year	\$4,860,371	\$5,328,698	\$5,823,305	\$6,345,635	\$6,897,213	\$7,479,642	\$8,094,618	\$8,743,925	\$9,429,446	\$10,153,169	\$10,917,187
DSC	2.6	2.7	2.9	3.1	3.3	3.4	3.6	3.9	4.1	4.3	4.6
Surplus	\$1,789,396	\$2,116,458	\$2,463,302	\$2,831,073	\$3,220,980	\$3,634,303	\$4,072,393	\$4,536,677	\$5,028,666	\$5,549,952	\$6,102,222
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$4,860,371	\$5,328,698	\$5,823,305	\$6,345,635	\$6,897,213	\$7,479,642	\$8,094,618	\$8,743,925	\$9,429,446	\$10,153,169	\$10,917,187
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case H Wholesale Water Costs

Shoreline Load - 2011 Peak Months Off-peak months Total	544,384 697,881 1,242,265	44% 56%					<- Percentage split based on historic usage <- Percentage split based on historic usage
Shoreline Load - 2020 Peak Months	551,335	44%					<- Using historic %'s, and 2020 projection of water use
Off-peak months	706,791	56%					<- Using historic %'s, and 2020 projection of water use
Total	1,258,126						<- Based on 2020 CCF water usage projection
Contract Amount							
Peak Months	636,792	44%					<- Based on same % split from 2011 loads
Off-peak months	816,344	56%					<- Based on same % split from 2011 loads
Total	1,453,136						<- Assumed from 2020 Load; includes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019	
Peak Months	\$1,445,518						<- Based on Contract Amount and SPU System Baseline Rates
Off-peak months	\$1,249,006						<- Based on Contract Amount and SPU System Baseline Rates
Total	\$2,694,524	\$2,772,349	\$2,852,634	\$2,935,461	\$3,020,918	\$3,109,096	<- Forecast increased by Inflation, SPU escalation, and change in Total Revenues

Wholesale Rates

	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case H Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,281,009	\$14,938,925	\$15,627,694	\$16,348,790	\$17,103,758	\$17,894,219	\$18,721,871	\$19,588,497	\$20,495,965	\$21,446,237
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,352,660	\$15,014,159	\$15,706,689	\$16,431,735	\$17,190,851	\$17,985,666	\$18,817,890	\$19,689,317	\$20,601,827	\$21,557,391
Expenses										
Wholesale Water Supply	\$3,200,089	\$3,302,045	\$3,407,375	\$3,516,195	\$3,628,625	\$3,744,789	\$3,864,816	\$3,988,838	\$4,116,994	\$4,249,426
Non-Supply O&M	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$5,804,810 \$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328
Operations	\$4, <i>973,72</i> 3 \$0	\$3,204,008 \$0	\$3,444,020 \$0	\$3,034,443 \$0	\$0,55,550,585 \$0	\$0,230,383	\$0,510,581 \$0	\$0,810,702 \$0	\$7,130,333 \$0	\$7,438,328 \$0
Engineering	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Pumping	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Treatment	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Distribution System	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Fire Hydrants	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Customer Service incl. meter reading	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Administrative & General	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
State Tax Expense	\$718,192	\$751,279	\$785,917	\$822,181	\$860,148	\$899,900	\$941,523	\$985,105	\$1,030,742	\$1,078,531
City of Shoreline Tax Expense (franchise fee)	\$856,861	\$896,335	\$937,662	\$980,927	\$1,026,225	\$1,073,653	\$1,123,312	\$1,175,310	\$1,229,758	\$1,286,774
Total Operating Expenses	\$9,750,866	\$10,154,267	\$10,574,973	\$11,013,748	\$11,471,388	\$11,948,726	\$12,446,632	\$12,966,015	\$13,507,827	\$14,073,060
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Net Operating Funds	\$4,601,794	\$4,859,892	\$5,131,716	\$5,417,987	\$5,719,463	\$6,036,940	\$6,371,259	\$6,723,302	\$7,094,000	\$7,484,332
Debt Service Coverage Ratio	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
	40.000.000	40.000.000	40.000.000	40.000.000	40.000.000	40.000.000	40.000.000	40.000.000	40.000.000	40.000.000
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$1,539,663	\$1,797,761	\$2,069,585	\$2,355,856	\$2,657,332	\$2,974,809	\$3,309,128	\$3,661,171	\$4,031,869	\$4,422,200
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$14,633,085	\$15,265,158	\$15,780,107	\$16,317,460	\$16,878,213	\$17,463,406	\$18,074,130	\$18,711,520	\$19,376,767	\$20,071,113
Net Revenue - Available for Mains Replacement	\$0	\$0	\$0	\$114,275	\$312,638	\$522,259	\$743,761	\$977,797	\$1,225,060	\$1,486,278
Net Revenue as Percent of Total Revenue	0.0%	0.0%	0.0%	0.7%	1.8%	2.9%	4.0%	5.0%	5.9%	6.9%
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Cumulative Mains Replacement	\$2,045,500	\$2,144,205 \$0	\$2,242,301 \$0	\$114,275	\$426,913	\$949,173	\$1,692,933	\$2,670,730	\$3,895,790	\$5,382,068
Percent Total Mains Replacement Funded	,0 0.0%	,50 0.0%	,0 0.0%	0.2%	0.6%	3949,173 1.4%	2.4%	3.8%	53,893,790 5.6%	,5,382,008 7.7%
	0.0%	0.0%	0.0%	0.270	0.0%	1.470	2.470	5.076	5.0%	1.170

Shoreline Muncipal Water Utility - Updated Case H Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$22,482,034	\$23,574,383	\$24,720,432	\$25,922,856	\$27,184,463	\$28,508,203	\$29,897,176	\$31,354,638	\$32,884,009	\$34,488,884	\$36,173,040
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$22,598,746	\$23,696,931	\$24,849,108	\$26,057,965	\$27,326,328	\$28,657,161	\$30,053,582	\$31,518,863	\$33,056,446	\$34,669,943	\$36,363,152
F											
Expenses	¢4.205.280	с <u>и</u> гиг 807	¢4 701 607	¢4 962 970	ćr 020 810	¢F 202 624	ĆF 201 F2F	¢F F66 741	ĆE 7E0 401	\$5,956,992	¢C 162 F10
Wholesale Water Supply	\$4,395,289	\$4,545,807	\$4,701,607	\$4,862,879	\$5,029,819	\$5,202,634	\$5,381,535	\$5,566,741	\$5,758,481		\$6,162,519
Non-Supply O&M	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,130,621	\$1,185,556	\$1,243,191	\$1,303,660	\$1,367,107	\$1,433,678	\$1,503,529	\$1,576,825	\$1,653,737	\$1,734,446	\$1,819,142
City of Shoreline Tax Expense (franchise fee)	\$1,348,922	\$1,414,463	\$1,483,226	\$1,555,371	\$1,631,068	\$1,710,492	\$1,793,831	\$1,881,278	\$1,973,041	\$2,069,333	\$2,170,382
Total Operating Expenses	\$14,676,244	\$15,306,102	\$15,963,672	\$16,650,199	\$17,366,984	\$18,115,388	\$18,896,833	\$19,712,808	\$20,564,869	\$21,454,643	\$22,383,834
Net Operating Funds	\$7,922,502	\$8,390,829	\$8,885,436	\$9,407,766	\$9,959,344	\$10,541,773	\$11,156,749	\$11,806,056	\$12,491,577	\$13,215,300	\$13,979,318
Debt Service Coverage Ratio	2.6	2.7	2.9	3.1	3.3	3.4	3.6	3.9	4.1	4.3	4.6
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$4,860,371	\$5,328,698	\$5,823,305	\$6,345,635	\$6,897,213	\$7,479,642	\$8,094,618	\$8,743,925	\$9,429,446	\$10,153,169	\$10,917,187
				4.5			4-	4.5			
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Total Expenses	\$20,809,350	\$21,580,473	\$22,385,806	\$23,226,893	\$24,105,348	\$25,022,858	\$25,981,189	\$26,982,186	\$28,027,780	\$29,119,991	\$30,260,929
Net Revenue - Available for Mains Replacement	\$1,789,396	\$2,116,458	\$2,463,302	\$2,831,073	\$3,220,980	\$3,634,303	\$4,072,393	\$4,536,677	\$5,028,666	\$5,549,952	\$6,102,222
Net Revenue - Available for Mains Replacement	7.9%	8.9%	9.9%	10.9%	11.8%	12.7%	13.6%	14.4%	15.2%	16.0%	16.8%
Target Mains Replacement per Year	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Target Mains Replacement per Year Cumulative Mains Replacement	\$3,214,131 \$7,171,465	\$3,361,981 \$9,287,923	\$3,516,632 \$11,751,225	\$3,678,397 \$14,582,297	\$3,847,604 \$17,803,277	\$4,024,593 \$21,437,580	\$4,209,725 \$25,509,973	\$4,403,372 \$30,046,650	\$4,605,927 \$35,075,316	\$4,817,800 \$40,625,268	\$5,039,418 \$46,727,491

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
ruicilase riice		\$20,000,000	\$20,000,000	2020	2020	0	
Separation Cost							
Option:	B3	\$7,462,476	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$10,422,145	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$40,401,731	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$1,756,597	\$1,430,518				
Ongoing CIP	1	\$1,678,359	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,507,670	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$810,052	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$603,068	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,342,862	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,263,652	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$61,397	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Low	3.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Low	2.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Low	2.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sho	oreline Water Sy	stem Finan	cial Analysis Appendix Page 129

Revenue Forecast

Revenue Forecast			- .							
_		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,064,100	\$7,218,573	\$7,376,424	\$7,537,727	\$7,702,558
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,440,916	\$1,494,563	\$1,550,208	\$1,607,925	\$1,667,790
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,258,800	\$2,353,614	\$2,452,408	\$2,555,349	\$2,662,612
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$344,300	\$352,856	\$361,624	\$370,610	\$379,820
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$195,101	\$200,955	\$206,983	\$213,193	\$219,588
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$222,972</u>	<u>\$229,661</u>	<u>\$236,551</u>	<u>\$243,648</u>	<u>\$250,957</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,526,189	\$11,850,222	\$12,184,199	\$12,528,452	\$12,883,325
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.49	\$9.77	\$10.07	\$10.37	\$10.68
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.33	\$7.55	\$7.77	\$8.01	\$8.25
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.63	\$ 7. 86	\$8.10	\$8.34	\$8.59
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	, \$7.63	\$7.86	\$8.10	\$8.34	\$8.59	\$8.85
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$244.64	\$251.98	\$259.54	\$267.32	\$275.34
Other	\$5.59	<u>\$4.53</u>	\$4.87	\$5.24	<u>\$5.64</u>	<u>\$5.81</u>	<u>\$5.99</u>	\$6.17	\$6.35	\$6.54
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.73	\$8.99	\$9.25	\$9.52	\$9.79
CCF										
	732,074	768,573	762,505	756 494	750,511	744,585	738,706	732,874	727,087	721,346
Residential	180,889		-	756,484	,	-	-	,	,	-
Multi-Family	,	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>								
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>74.7</u>	<u>82.5</u>	82.5							
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
.	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122
	10,911	10,911	10,557	10,505	10,509	11,010	11,042	11,009	11,095	11,122

Shoreline Muncipal Water Utility - Updated Case I Revenue Forecast

2021 2026 2027 Revenues 2020 2022 2023 2024 2025 2028 2029 \$8,081,012 \$8,296,636 \$8,518,014 \$8,745,298 \$8,978,647 \$9,464,190 \$9,716,721 \$9,975,990 Residential \$7,870,992 \$9,218,222 Multi-Family \$1,729,885 \$1,799,025 \$1,870,929 \$1,945,707 \$2,023,474 \$2,104,349 \$2,188,456 \$2,275,925 \$2,366,889 \$2,461,490 Commercial \$2,774,376 \$2,883,641 \$2,997,209 \$3,115,250 \$3,237,939 \$3,365,461 \$3,498,005 \$3,635,769 \$3,778,958 \$3,927,787 MMRD \$389,259 \$399,934 \$410,902 \$422,171 \$433,749 \$445,645 \$457,867 \$470,424 \$483,325 \$496,580 \$239,950 Fire \$226,176 \$232,961 \$247,149 \$254,563 \$262,200 \$270,066 \$278,168 \$286,513 \$295,109 \$317,905 Other \$258,486 \$266,240 \$274,227 \$282,454 \$290,928 \$299,656 \$308,645 \$327,442 \$337,265 Total \$13,249,174 \$13,662,814 \$14,089,854 \$14,530,745 \$14,985,951 \$15,455,957 \$15,941,260 \$16,442,379 \$16,959,848 \$17,494,220 Average Rate Residential \$11.00 \$11.33 \$11.67 \$12.02 \$12.38 \$12.75 \$13.13 \$13.53 \$13.93 \$14.35 Multi-Family \$8.49 \$8.75 \$9.01 \$9.28 \$9.56 \$9.85 \$10.14 \$10.45 \$10.76 \$11.08 \$8.85 \$9.11 \$9.39 \$9.96 \$10.57 \$10.88 Commercial \$9.67 \$10.26 \$11.21 \$11.55 MMRD \$9.11 \$9.39 \$9.67 \$9.96 \$10.26 \$10.57 \$10.88 \$11.21 \$11.55 \$11.89 Fire \$283.60 \$292.11 \$300.87 \$309.90 \$319.20 \$328.77 \$338.64 \$348.80 \$359.26 \$370.04 Other \$6.74 \$6.94 \$7.15 \$7.36 \$7.58 \$7.81 \$8.04 \$8.29 \$8.53 \$8.79 Total \$10.08 \$10.37 \$10.68 \$10.99 \$11.31 \$11.64 \$11.99 \$12.34 \$12.70 \$13.07 CCF 713,346 699,672 695,172 715,651 711,048 708,758 706,476 704,201 701,933 697,419 Residential Multi-Family 203,655 205,626 207,616 209,625 211,654 213,702 215,770 217,859 219,967 222,096 Commercial 313,512 316,368 319,250 322,159 325,094 328,055 331,044 334,060 337,103 340,174 MMRD 42,708 42,495 42,389 41,966 41,757 42,601 42,283 42,177 42,072 41,861 798 798 798 798 798 798 798 798 798 798 Fire 38,366 Other 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 38,366 Total 1,314,689 1,317,104 1,319,573 1,322,094 1,324,669 1,327,298 1,329,982 1,332,720 1,335,514 1,338,363 **CCF** per Customer Residential 72.6 72.2 71.9 71.5 71.2 70.8 70.4 70.1 69.7 69.4 772.6 770.7 768.7 766.8 763.0 761.1 759.2 757.3 Multi-Family 774.5 764.9 740.6 742.5 746.2 757.4 Commercial 744.3 748.1 749.9 751.8 753.7 755.6 MMRD 10,677.0 10,650.4 10,623.7 10,597.2 10,570.7 10,517.9 10,491.6 10,465.4 10,439.2 10,544.3 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 Fire 5.9 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 Other 117.9 117.9 117.9 117.8 117.8 117.8 117.8 117.8 117.8 117.8 Customers Residential 9,858 9,875 9,893 9,911 9,928 9,946 9,964 9,982 9,999 10,017 273 276 290 293 263 266 269 279 283 286 Multi-Family 423 426 429 432 435 437 440 443 446 449 Commercial MMRD 4 4 4 4 4 4 4 4 4 4 Fire 136 136 136 136 136 136 136 136 136 136 465 465 465 465 465 465 465 465 465 465 Other 11,149 11,172 11,196 11,220 11,268 11,292 11,316 11,340 11,365 11,244

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$10,242,177	\$10,549,442	\$10,865,925	\$11,191,903	\$11,527,660	\$11,873,490	\$12,229,695	\$12,596,585	\$12,974,483	\$13,363,718	\$13,764,629
Multi-Family	\$2,554,286	\$2,668,287	\$2,787,375	\$2,911,779	\$3,041,735	\$3,177,491	\$3,319,306	\$3,467,450	\$3,622,206	\$3,783,869	\$3,952,748
Commercial	\$4,082,477	\$4,232,678	\$4,388,405	\$4,549,861	\$4,717,258	\$4,890,813	\$5,070,754	\$5,257,315	\$5,450,740	\$5,651,281	\$5,859,201
MMRD	\$510,199	\$525,505	\$541,270	\$557,508	\$574,233	\$591,460	\$609,204	\$627,480	\$646,305	\$665,694	\$685,665
Fire	\$303,962	\$313,081	\$322,473	\$332,147	\$342,112	\$352,375	\$362,946	\$373,835	\$385,050	\$396,601	\$408,499
Other	<u>\$347,383</u>	<u>\$357,805</u>	<u>\$368,539</u>	<u>\$379,595</u>	<u>\$390,983</u>	<u>\$402,712</u>	<u>\$414,794</u>	<u>\$427,237</u>	<u>\$440,055</u>	<u>\$453,256</u>	<u>\$466,854</u>
Total	\$18,040,484	\$18,646,797	\$19,273,987	\$19,922,793	\$20,593,981	\$21,288,342	\$22,006,698	\$22,749,903	\$23,518,838	\$24,314,419	\$25,137,595
Average Rate											
Residential	\$14.78	\$15.22	\$15.68	\$16.15	\$16.64	\$17.14	\$17.65	\$18.18	\$18.72	\$19.29	\$19.86
Multi-Family	\$11.42	\$11.76	\$12.11	\$12.47	\$12.85	\$13.23	\$13.63	\$14.04	\$14.46	\$14.89	\$15.34
Commercial	\$11.89	\$12.25	\$12.62	\$13.00	\$13.39	\$13.79	\$14.20	\$14.63	\$15.07	\$15.52	\$15.98
MMRD	\$12.25	\$12.62	\$12.99	\$13.38	\$13.79	\$14.20	\$14.63	\$15.06	\$15.52	\$15.98	\$16.46
Fire	\$381.14	\$392.57	\$404.35	\$416.48	\$428.98	\$441.84	\$455.10	\$468.75	\$482.82	\$497.30	\$512.22
Other	<u>\$9.05</u>	<u>\$9.33</u>	<u>\$9.61</u>	<u>\$9.89</u>	<u>\$10.19</u>	<u>\$10.50</u>	<u>\$10.81</u>	<u>\$11.14</u>	<u>\$11.47</u>	<u>\$11.81</u>	<u>\$12.17</u>
Total	\$13.46	\$13.85	\$14.26	\$14.68	\$15.11	\$15.55	\$16.01	\$16.48	\$16.97	\$17.47	\$17.98
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
ire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>										
Fotal	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
ire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u> 117.7	<u>82.5</u> 118.1	<u>82.5</u> 118.5	<u>82.5</u> 119.0	<u>82.5</u> 119.4	<u>82.5</u> 119.8	<u>82.5</u> 120.2	<u>82.5</u> 120.6	<u>82.5</u> 121.1	<u>82.5</u> 121.5	<u>82.5</u> 121.9
Customers		110.1	110.5	119.0		119.0	120.2	120.0		121.3	
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Aulti-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Revenue Forecast

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.60/	2.00/	2.00/	2.00/	2.00/	2.00/
Residential	6.0%	7.7%	7.6%	3.0%	3.0%	3.0%	3.0%	3.0%
Multi-Family	10.6%	10.4%	10.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Commercial	7.6%	10.5%	10.0%	3.0%	3.0%	3.0%	3.0%	3.0%
MMRD	7.5%	7.7%	7.6%	3.0%	3.0%	3.0%	3.0%	3.0%
Fire	7.5%	7.7%	7.6%	3.0%	3.0%	3.0%	3.0%	3.0%
Other	7.5%	7.7%	7.6%	3.0%	3.0%	3.0%	3.0%	3.0%

Shoreline Muncipal Water Utility - Updated Case I Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Multi-Family	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Commercial	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
MMRD	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Fire	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Other	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Shoreline Muncipal Water Utility - Updated Case I Revenue Forecast

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Multi-Family	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Commercial	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
MMRD	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Fire	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Other	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Annual	0&M	Costs	

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,507,670	\$1,546,869	\$1,587,088	\$1,628,352	\$1,670,689	\$1,714,127	\$1,758,694	\$1,804,420	\$1,851,335	\$1,899,470
Materials & Supplies	\$810,052	\$831,113	\$852,722	\$874,893	\$897,640	\$920,979	\$944,924	\$969,492	\$994,699	\$1,020,561
Employee Benefits	\$603,068	\$618,748	\$634,836	\$651,341	\$668,276	\$685,651	\$703,478	\$721,769	\$740,535	\$759,789
Administrative	\$1,342,862	\$1,377,777	\$1,413,599	\$1,450,352	\$1,488,061	\$1,526,751	\$1,566,447	\$1,607,174	\$1,648,961	\$1,691,834
Total	\$4,263,652	\$4,374,507	\$4,488,244	\$4,604,938	\$4,724,667	\$4,847,508	\$4,973,543	\$5,102,855	\$5,235,530	\$5,371,653

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445
Upfront Costs	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975
Total Initial Debt	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788
Amount Available for Cash CIP	\$1,443,337	\$1,615,013	\$1,793,310	\$1,978,483	\$2,170,795	\$2,370,520	\$2,577,943	\$2,793,359	\$3,017,076	\$3,249,411
Required CIP by Year	\$1,678,359	\$1,721,996	\$1,766,768	\$1,812,704	\$1,859,834	\$1,908,190	\$1,957,803	\$2,008,706	\$2,060,932	\$2,114,516
Required CIP Funded by Year	\$1,820,088	\$1,721,996	\$1,766,768	\$1,812,704	\$1,859,834	\$1,908,190	\$1,957,803	\$2,008,706	\$2,060,932	\$2,114,516
Mains Replacement - Equal Over 23 Years	\$1,756,597	\$1,802,269	\$1,849,128	\$1,897,205	\$1,946,532	\$1,997,142	\$2,049,068	\$2,102,343	\$2,157,004	\$2,213,086
Percent of Mains Funded for the Year	0%	0%	1%	9%	16%	23%	30%	37%	44%	51%
Mains Replacement - Amount Funded	\$0	\$0	\$26,542	\$165,779	\$310,960	\$462,330	\$620,140	\$784,654	\$956,144	\$1,134,895
Total CIP By Year	\$1,820,088	\$1,721,996	\$1,793,310	\$1,978,483	\$2,170,795	\$2,370,520	\$2,577,943	\$2,793,359	\$3,017,076	\$3,249,411
DSC	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1
Surplus	\$0	\$0	\$26,542	\$165,779	\$310,960	\$462,330	\$620,140	\$784,654	\$956,144	\$1,134,895
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$1,721,996	\$1,793,310	\$1,978,483	\$2,170,795	\$2,370,520	\$2,577,943	\$2,793,359	\$3,017,076	\$3,249,411
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case I Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$1,948,856	\$1,999,526	\$2,051,514	\$2,104,853	\$2,159,580	\$2,215,729	\$2,273,338	\$2,332,444	\$2,393,088	\$2,455,308	\$2,519,146
Materials & Supplies	\$1,047,096	\$1,074,320	\$1,102,253	\$1,130,911	\$1,160,315	\$1,190,483	\$1,221,436	\$1,253,193	\$1,285,776	\$1,319,206	\$1,353,506
Employee Benefits	\$779,543	\$799,811	\$820,606	\$841,942	\$863,833	\$886,292	\$909,336	\$932,979	\$957,236	\$982,124	\$1,007,659
Administrative	\$1,735,821	\$1,780,953	\$1,827,258	\$1,874,766	\$1,923,510	\$1,973,521	\$2,024,833	\$2,077,479	\$2,131,493	\$2,186,912	\$2,243,772
Total	\$5,511,316	\$5,654,611	\$5,801,631	\$5,952,473	\$6,107,237	\$6,266,025	\$6,428,942	\$6,596,095	\$6,767,593	\$6,943,550	\$7,124,083

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445	\$485,445
Upfront Costs	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975	\$677,975
Total Initial Debt	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788
Amount Available for Cash CIP	\$3,487,275	\$3,762,232	\$4,048,381	\$4,346,166	\$4,656,050	\$4,978,516	\$5,314,062	\$5,663,211	\$6,026,502	\$6,404,498	\$6,797,784
Required CIP by Year	\$2,169,494	\$2,225,901	\$2,283,774	\$2,343,152	\$2,404,074	\$2,466,580	\$2,530,711	\$2,596,510	\$2,664,019	\$2,733,283	\$2,804,349
Required CIP Funded by Year	\$2,169,494	\$2,225,901	\$2,283,774	\$2,343,152	\$2,404,074	\$2,466,580	\$2,530,711	\$2,596,510	\$2,664,019	\$2,733,283	\$2,804,349
Mains Replacement	\$2,270,627	\$2,329,663	\$2,390,234	\$2,452,380	\$2,516,142	\$2,581,562	\$2,648,683	\$2,717,548	\$2,788,205	\$2,860,698	\$2,935,076
Percent of Mains Funded	58%	66%	74%	82%	90%	97%	105%	113%	121%	128%	136%
Mains Replacement - Amount Fun	\$1,317,781	\$1,536,332	\$1,764,607	\$2,003,014	\$2,251,976	\$2,511,936	\$2,783,351	\$3,066,701	\$3,362,483	\$3,671,215	\$3,993,435
Total CIP By Year	\$3,487,275	\$3,762,232	\$4,048,381	\$4,346,166	\$4,656,050	\$4,978,516	\$5,314,062	\$5,663,211	\$6,026,502	\$6,404,498	\$6,797,784
DSC	2.2	2.3	2.4	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3
Surplus	\$1,317,781	\$1,536,332	\$1,764,607	\$2,003,014	\$2,251,976	\$2,511,936	\$2,783,351	\$3,066,701	\$3,362,483	\$3,671,215	\$3,993,435
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$3,487,275	\$3,762,232	\$4,048,381	\$4,346,166	\$4,656,050	\$4,978,516	\$5,314,062	\$5,663,211	\$6,026,502	\$6,404,498	\$6,797,784
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case I Wholesale Water Costs

Shoreline Load - 2011 Peak Months Off-peak months Total	544,384 697,881 1,242,265	44% 56%					<- Percentage sp <- Percentage sp		-
Shoreline Load - 2020 Peak Months Off-peak months Total	576,122 738,567 1,314,689	44% 56%					•	%'s, and 2020	projection of water use projection of water use sage projection
Contract Amount Peak Months Off-peak months Total	665,421 853,045 1,518,466	44% 56%					<- Based on same <- Based on same <- Assumed from	e % split from	
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months Off-peak months Total	\$1,510,505 \$1,305,159 \$2,815,664	\$2,883,055	\$2,952,273	\$3,023,373	\$3,096,411		<- Based on Cont	ract Amount a ased by Inflati	and SPU System Baseline Rates and SPU System Baseline Rates on, SPU escalation, es
Wholesale Rates									
Wholesale Rates	2011	2011	2012	2012	2013	2013	2014	2014	
Wholesale Rates Rates per ccf	2011 Off-peak	2011 Peak	2012 Off-peak	2012 Peak	2013 Off-peak	2013 Peak	2014 Off-peak	2014 Peak	
									<- SPU Forecast
Rates per ccf System Baseline Rates Change from prior year Transition discount	Off-peak \$1.29 (\$0.13)	Peak \$1.91 (\$0.12)	Off-peak \$1.52 18%	Peak \$2.25 18%	Off-peak \$1.53 1%	Peak \$2.26 0%	Off-peak \$1.53 0%	Peak \$2.27 0%	
Rates per ccf System Baseline Rates Change from prior year	Off-peak \$1.29	Peak \$1.91	Off-peak \$1.52	Peak \$2.25	Off-peak \$1.53	Peak \$2.26	Off-peak \$1.53	Peak \$2.27	
Rates per ccf System Baseline Rates Change from prior year Transition discount Adjusted Wholesale Rate	Off-peak \$1.29 (\$0.13)	Peak \$1.91 (\$0.12)	Off-peak \$1.52 18% \$1.52	Peak \$2.25 18% \$2.25	Off-peak \$1.53 1% \$1.53	Peak \$2.26 0% \$2.26	Off-peak \$1.53 0% \$1.53	Peak \$2.27 0% \$2.27	<- SPU Forecast
Rates per ccf System Baseline Rates Change from prior year Transition discount Adjusted Wholesale Rate Change from prior year	Off-peak \$1.29 (\$0.13) \$1.16	Peak \$1.91 (\$0.12) \$1.79	Off-peak \$1.52 18% \$1.52	Peak \$2.25 18% \$2.25	Off-peak \$1.53 1% \$1.53	Peak \$2.26 0% \$2.26	Off-peak \$1.53 0% \$1.53	Peak \$2.27 0% \$2.27	<- SPU Forecast

Shoreline Muncipal Water Utility - Updated Case I Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$13,249,174	\$13,662,814	\$14,089,854	\$14,530,745	\$14,985,951	\$15,455,957	\$15,941,260	\$16,442,379	\$16,959,848	\$17,494,220
Use of Facilities Charges	\$61,397	\$63,239	\$65,136	\$67,090	\$69,103	\$71,176	\$73,312	\$75,511	\$77,776	\$80,109
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$13,310,571	\$13,726,054	\$14,154,991	\$14,597,835	\$15,055,054	\$15,527,133	\$16,014,572	\$16,517,890	\$17,037,624	\$17,574,330
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Expenses	** *** ***	40.005.050		40 540 000	40.510.001		******	40.044.455		** *** ***
Wholesale Water Supply	\$3,248,542	\$3,335,873	\$3,425,678	\$3,518,030	\$3,613,004	\$3,710,679	\$3,811,135	\$3,914,457	\$4,020,728	\$4,130,039
Non-Supply O&M	\$4,263,652	\$4,374,507	\$4,488,244	\$4,604,938	\$4,724,667	\$4,847,508	\$4,973,543	\$5,102,855	\$5,235,530	\$5,371,653
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$666,301	\$687,103	\$708,579	\$730,751	\$753,643	\$777,280	\$801,686	\$826,887	\$852,911	\$879,784
City of Shoreline Tax Expense (franchise fee)	\$794,950	\$819,769	\$845,391	\$871,845	\$899,157	\$927,357	\$956,476	\$986,543	\$1,017,591	\$1,049,653
Total Operating Expenses	\$8,973,445	\$9,217,252	\$9,467,892	\$9,725,564	\$9,990,471	\$10,262,824	\$10,542,840	\$10,830,742	\$11,126,760	\$11,431,130
Net Operating Funds	\$4,337,126	\$4,508,802	\$4,687,099	\$4,872,271	\$5,064,583	\$5,264,308	\$5,471,732	\$5,687,148	\$5,910,864	\$6,143,200
Debt Service Coverage Ratio	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1
Debt payments - Initial	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788
Net Cash Flow before CIP	\$1,443,337	\$1,615,013	\$1,793,310	\$1,978,483	\$2,170,795	\$2,370,520	\$2,577,943	\$2,793,359	\$3,017,076	\$3,249,411
Dabt sourcests CID	¢0	ćo	ćo	ćo	ćo	ćo	ćo	<u> </u>	60	60
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$2,114,516
Cash Funded CIP - Ongoing Total Expenses (with Debt & CIP)	\$1,820,088 \$13,687,322	\$1,721,996 \$13,833,037	\$1,766,768 \$14,128,449	\$1,812,704 \$14,432,056	\$1,859,834 \$14,744,094	\$1,908,190 \$15,064,803	\$1,957,803 \$15,394,432	\$2,008,706 \$15,733,236	\$2,060,932 \$16,081,480	\$2,114,516 \$16,439,435
	\$15,087,522	\$15,655,057	\$14,120,449	\$14,432,030	314,744,094	\$15,004,605	Ş15,594,452	\$15,755,250	\$10,081,480	\$10,459,455
Net Revenue - Available for Mains Replacement	\$0	\$0	\$26,542	\$165,779	\$310,960	\$462,330	\$620,140	\$784,654	\$956,144	\$1,134,895
Net Revenue as Percent of Total Revenue	0.0%	0.0%	0.2%	1.1%	2.1%	3.0%	3.9%	4.8%	5.6%	6.5%
Target Mains Replacement per Year	\$1,756,597	\$1,802,269	\$1,849,128	\$1,897,205	\$1,946,532	\$1,997,142	\$2,049,068	\$2,102,343	\$2,157,004	\$2,213,086
Cumulative Mains Replacement	\$0	\$0	\$26,542	\$192,321	\$503,282	\$965,612	\$1,585,752	\$2,370,405	\$3,326,549	\$4,461,444
Percent Total Mains Replacement Funded	0.0%	0.0%	0.1%	0.4%	1.0%	2.0%	3.3%	4.9%	6.9%	9.2%

Shoreline Muncipal Water Utility - Updated Case I Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$18,040,484	\$18,646,797	\$19,273,987	\$19,922,793	\$20,593,981	\$21,288,342	\$22,006,698	\$22,749,903	\$23,518,838	\$24,314,419	\$25,137,595
Use of Facilities Charges	\$82,513	\$84,988	\$87,538	\$90,164	\$92,869	\$95,655	\$98,525	\$101,480	\$104,525	\$107,660	\$110,890
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$18,122,996	\$18,731,785	\$19,361,525	\$20,012,957	\$20,686,849	\$21,383,996	\$22,105,223	\$22,851,383	\$23,623,363	\$24,422,080	\$25,248,485
_											
Expenses											
Wholesale Water Supply	\$4,240,932	\$4,364,598	\$4,491,997	\$4,623,245	\$4,758,463	\$4,897,776	\$5,041,311	\$5,189,202	\$5,341,587	\$5,498,605	\$5,660,405
Non-Supply O&M	\$5,511,316	\$5,654,611	\$5,801,631	\$5,952,473	\$6,107,237	\$6,266,025	\$6,428,942	\$6,596,095	\$6,767,593	\$6,943,550	\$7,124,083
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$907,256	\$937,747	\$969,289	\$1,001,917	\$1,035,671	\$1,070,591	\$1,106,717	\$1,144,093	\$1,182,762	\$1,222,772	\$1,264,170
City of Shoreline Tax Expense (franchise fee)	\$1,082,429	\$1,118,808	\$1,156,439	\$1,195,368	\$1,235,639	\$1,277,300	\$1,320,402	\$1,364,994	\$1,411,130	\$1,458,865	\$1,508,256
Total Operating Expenses	\$11,741,933	\$12,075,764	\$12,419,356	\$12,773,003	\$13,137,011	\$13,511,692	\$13,897,372	\$14,294,384	\$14,703,072	\$15,123,793	\$15,556,913
Net Operating Funds	\$6,381,064	\$6,656,021	\$6,942,169	\$7,239,954	\$7,549,839	\$7,872,304	\$8,207,851	\$8,556,999	\$8,920,290	\$9,298,287	\$9,691,572
Debt Service Coverage Ratio	2.2	2.3	2.4	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3
Debt payments - Initial	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788	\$2,893,788
Net Cash Flow before CIP	\$3,487,275	\$3,762,232	\$4,048,381	\$4,346,166	\$4,656,050	\$4,978,516	\$5,314,062	\$5,663,211	\$6,026,502	\$6,404,498	\$6,797,784
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$2,169,494	\$2,225,901	\$2,283,774	\$2,343,152	\$2,404,074	\$2,466,580	\$2,530,711	\$2,596,510	\$2,664,019	\$2,733,283	\$2,804,349
Total Expenses	\$16,805,215	\$17,195,453	\$17,596,918	\$18,009,944	\$18,434,873	\$18,872,061	\$19,321,872	\$19,784,682	\$20,260,880	\$20,750,865	\$21,255,050
Net Revenue - Available for Mains Replacement	\$1,317,781	\$1,536,332	\$1,764,607	\$2,003,014	\$2,251,976	\$2,511,936	\$2,783,351	\$3,066,701	\$3,362,483	\$3,671,215	\$3,993,435
Net Revenue - Available for Mains Replacement	7.3%	8.2%	9.1%	10.0%	10.9%	11.7%	12.6%	13.4%	14.2%	15.0%	15.8%
Target Mains Replacement per Year	\$2,270,627	\$2,329,663	\$2,390,234	\$2,452,380	\$2,516,142	\$2,581,562	\$2,648,683	\$2,717,548	\$2,788,205	\$2,860,698	\$2,935,076
Cumulative Mains Replacement	\$5,779,226	\$7,315,557	\$9,080,164	\$11,083,178	\$13,335,154	\$15,847,089	\$18,630,441	\$21,697,142	\$25,059,625	\$28,730,840	\$32,724,275
Percent Total Mains Replacement Funded	12.0%	15.2%	18.8%	23.0%	27.6%	32.8%	38.6%	45.0%	51.9%	59.5%	67.8%
referre foral mains replacement runded	12.070	13.270	10.070	23.076	27.076	52.070	56.0%	45.0%	51.570	55.576	07.070

Basic Assumptions

Capital Costs		2020 Value	Base Case	Year \$		Years IDC	
Purchase Price		\$26,600,000	\$26,600,000	2020	2020	0	
Separation Cost							
Option:	В3	\$8,542,269	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$11,930,190	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518				
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012			Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012			Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012			Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012			Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012			
		4	4=0.000				
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	High	10.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sh	oreline Water Sy	stem Finan	cial Analysis Appendix Page 141

Revenue Forecast

Revenue Forecast			- .							
-	2044 4 4 4	Adjusted	Forecast			2015	2016	2017	2040	2040
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	, \$7.41	, \$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	\$5.59	<u>\$4.53</u>	\$4.87	\$5.24	<u>\$5.64</u>	<u>\$5.92</u>	<u>\$6.22</u>	<u>\$6.53</u>	<u>\$6.86</u>	\$7.20
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>								
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	413	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
other	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122
	10,911	10,911	10,337	10,505	10,009	11,010	11,042	11,009	11,095	11,122

Revenue Forecast

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	\$450,042
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>								
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	<u>82.5</u>								
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>										
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	82.5	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>						
	117.7	118.1	118.5	119.0	119.4	119.8	120.2	120.6	121.1	121.5	121.9
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Revenue Forecast

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	-0.79%	0.70%	0.70%	-0.79%	-0.79%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	-0.30%	0.00%	-0.30%	-0.30%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.0978	-0.08%	-0.07 /6
Average Rate Increase								
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Revenue	Forecast
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Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

	Annual	0&M	Costs
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	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$1,475,748	\$1,788,613	\$2,121,065	\$2,474,283	\$2,849,511	\$3,248,071	\$3,671,360	\$4,120,858	\$4,598,134	\$5,104,848
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	0%	0%	0%	10%	21%	31%	41%	51%	61%	71%
Mains Replacement - Amount Funded	\$0	\$0	\$0	\$232,702	\$504,817	\$795,521	\$1,105,993	\$1,437,485	\$1,791,325	\$2,168,925
Total CIP By Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,474,283	\$2,849,511	\$3,248,071	\$3,671,360	\$4,120,858	\$4,598,134	\$5,104,848
DSC	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.7
Surplus	\$0	\$0	\$0	\$232,702	\$504,817	\$795,521	\$1,105,993	\$1,437,485	\$1,791,325	\$2,168,925
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,048,760	\$2,143,003	\$2,474,283	\$2,849,511	\$3,248,071	\$3,671,360	\$4,120,858	\$4,598,134	\$5,104,848
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555,687	\$555 <i>,</i> 687	\$555 <i>,</i> 687	\$555,687	\$555,687	\$555,687
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Amount Available for Cash CIP	\$5,637,985	\$6,243,357	\$6,887,516	\$7,572,849	\$8,301,890	\$9,077,326	\$9,902,003	\$10,778,943	\$11,711,347	\$12,702,610	\$13,756,331
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	80%	90%	100%	110%	120%	130%	140%	149%	159%	168%	177%
Mains Replacement - Amount Fun	\$2,567,010	\$3,031,118	\$3,527,513	\$4,058,286	\$4,625,658	\$5,231,986	\$5,879,778	\$6,571,695	\$7,310,566	\$8,099,393	\$8,941,367
Total CIP By Year	\$5,637,985	\$6,243,357	\$6,887,516	\$7,572,849	\$8,301,890	\$9,077,326	\$9,902,003	\$10,778,943	\$11,711,347	\$12,702,610	\$13,756,331
DSC	2.8	3.0	3.2	3.5	3.7	4.0	4.2	4.5	4.8	5.1	5.5
Surplus	\$2,567,010	\$3,031,118	\$3,527,513	\$4,058,286	\$4,625,658	\$5,231,986	\$5,879,778	\$6,571,695	\$7,310,566	\$8,099,393	\$8,941,367
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$5,637,985	\$6,243,357	\$6,887,516	\$7,572,849	\$8,301,890	\$9,077,326	\$9,902,003	\$10,778,943	\$11,711,347	\$12,702,610	\$13,756,331
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case J Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	738,567	56%					0	-	projection of water use
Total	1,314,689	0070					<- Based on 2020	-	
Contract Amount									
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads
Off-peak months	853,045	56%					<- Based on same	e % split from	2011 loads
Total	1,518,466						<- Assumed from	n 2020 Load; ir	ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,510,505						- Sased on Cont <- Based on Cont	tract Amount	and SPU System Baseline Rates
Off-peak months	\$1,305,159								and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201			ion, SPU escalation,
							and change in	Total Revenu	es
Wholesale Rates									
	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.10 \$0.19	
2	·		•	·	·	·	·	•	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case J Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
Expenses										
Wholesale Water Supply	\$3,787,739	\$3,927,513	\$4,072,594	\$4,223,189	\$4,379,514	\$4,541,794	\$4,710,260	\$4,885,156	\$5,066,735	\$5,255,258
Non-Supply O&M	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$10,403,439	\$10,856,135	\$11,329,035	\$11,823,063	\$12,339,181	\$12,878,402	\$13,441,782	\$14,030,427	\$14,645,495	\$15,288,199
Net Operating Funds	\$4,537,879	\$4,850,744	\$5,183,196	\$5,536,414	\$5,911,642	\$6,310,202	\$6,733,491	\$7,182,989	\$7,660,265	\$8,166,979
Debt Service Coverage Ratio	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.7
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$1,475,748	\$1,788,613	\$2,121,065	\$2,474,283	\$2,849,511	\$3,248,071	\$3,671,360	\$4,120,858	\$4,598,134	\$5,104,848
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$15,285,658	\$15,967,026	\$16,534,169	\$17,126,775	\$17,746,006	\$18,393,083	\$19,069,280	\$19,775,931	\$20,514,435	\$21,286,252
Net Revenue - Available for Mains Replacement	\$0	\$0	\$0	\$232,702	\$504,817	\$795,521	\$1,105,993	\$1,437,485	\$1,791,325	\$2,168,925
Net Revenue as Percent of Total Revenue	0.0%	0.0%	0.0%	1.3%	2.8%	4.1%	5.5%	6.8%	8.0%	9.2%
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
	\$2,049,966 \$0	\$2,144,265 \$0	\$2,242,901 \$0	\$2,346,074 \$232,702	\$2,453,994 \$737,519	\$2,566,878 \$1,533,040	\$2,684,954 \$2,639,032	\$2,808,462 \$4,076,517	\$2,937,851 \$5,867,842	\$3,072,783 \$8,036,767
Cumulative Mains Replacement	\$0 0.0%	\$0 0.0%	\$0 0.0%	\$232,702 0.3%		\$1,533,040 2.2%			\$5,867,842 8.4%	
Percent Total Mains Replacement Funded	0.0%	0.0%	0.0%	0.3%	1.1%	2.2%	3.8%	5.8%	8.4%	11.5%

Shoreline Muncipal Water Utility - Updated Case J Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
_											
Expenses											
Wholesale Water Supply	\$5,449,011	\$5,662,617	\$5,884,762	\$6,115,794	\$6,356,076	\$6,605,988	\$6,865,922	\$7,136,289	\$7,417,518	\$7,710,053	\$8,014,359
Non-Supply O&M	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$15,956,982	\$16,674,736	\$17,425,414	\$18,210,555	\$19,031,772	\$19,890,755	\$20,789,274	\$21,729,184	\$22,712,430	\$23,741,049	\$24,817,176
Net Operating Funds	\$8,700,116	\$9,305,488	\$9,949,647	\$10,634,980	\$11,364,021	\$12,139,457	\$12,964,134	\$13,841,074	\$14,773,478	\$15,764,741	\$16,818,462
Debt Service Coverage Ratio	2.8	3.0	3.2	3.5	3.7	4.0	4.2	4.5	4.8	5.1	5.5
Debt payments - Initial	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131	\$3,062,131
Net Cash Flow before CIP	\$5,637,985	\$6,243,357	\$6,887,516	\$7,572,849	\$8,301,890	\$9,077,326	\$9,902,003	\$10,778,943	\$11,711,347	\$12,702,610	\$13,756,331
	\$0	\$0	ćo	\$0	\$0	\$0	ćo	\$0	\$0	\$0	ćo
Debt payments - CIP			\$0				\$0				\$0
Cash Funded CIP - Ongoing Total Expenses	\$3,070,975 \$22,090,087	\$3,212,240 \$22,949,107	\$3,360,003 \$23,847,548	\$3,514,563 \$24,787,249	\$3,676,233	\$3,845,339 \$26,798,225	\$4,022,225	\$4,207,247 \$28,998,562	\$4,400,781 \$30,175,342	\$4,603,217 \$31,406,397	\$4,814,965 \$32,694,272
	\$22,090,087	\$22,949,107	\$23,847,548	\$24,787,249	\$25,770,136	\$20,798,225	\$27,873,629	\$28,998,502	\$30,175,342	\$31,400,397	Ş32,094,272
Net Revenue - Available for Mains Replacement	\$2,567,010	\$3,031,118	\$3,527,513	\$4,058,286	\$4,625,658	\$5,231,986	\$5,879,778	\$6,571,695	\$7,310,566	\$8,099,393	\$8,941,367
Net Revenue - Available for Mains Replacement	10.4%	11.7%	12.9%	14.1%	15.2%	16.3%	17.4%	18.5%	19.5%	20.5%	21.5%
Target Mains Replacement per Year	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Cumulative Mains Replacement	\$10,603,777	\$13,634,895	\$17,162,408	\$21,220,695	\$25,846,352	\$31,078,339	\$36,958,117	\$43,529,812	\$50,840,378	\$58,939,771	\$67,881,138

Basic Assumptions

Capital Costs		2020 Value	Base Case	Year \$	Year spent	Years IDC	
Purchase Price		\$26,600,000	\$26,600,000	2020	2020	0	
Separation Cost	55	¢4.0.044.520	¢11 COO 000	2012	2020		Free Devent Table 7
Option:	B5	\$16,814,530	\$11,688,900	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$11,930,190	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years	647 140 220	¢22.001.008	2012	2020		Fra Depart Table O
Mains Replacement (Total) Mains Replacement (Annual)	22	\$47,149,226 \$2,049,966	\$32,901,908	2012	2020		Eng Report Table 9
Ongoing CIP	23 1	\$2,049,966 \$1,958,662	\$1,430,518 \$1,366,803	2012	2020		Eng Report Table 14
	1	\$1,938,002	\$1,500,805	2012	2020		
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates		/					
State Tax		5.029%	Included in Existing				
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Target Debt Service Coverage	Dase	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sh	oreline Water Sy	stem Finan	cial Analysis Appendix Page 153

Revenue Forecast

Revenue Forecast			- .							
-	2044 4 4 4	Adjusted	Forecast		2014	2015	2016	2017	2040	2040
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	\$5.59	<u>\$4.53</u>	\$4.87	\$5.24	\$5.64	<u>\$5.92</u>	\$6.22	\$6.53	\$6.86	\$7.20
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
	722.074		762 505	756 404	750 544	744 505	720 700	722.074	727.007	724 246
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>								
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
other	<u>405</u> 10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122
	10,911	10,911	10,957	10,905	10,569	11,010	11,042	11,009	11,095	11,122

Revenue Forecast

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	\$428,611	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>							
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>							
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	\$633,254	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
ire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>										
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
ire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u> 117.7	<u>82.5</u> 118.1	<u>82.5</u> 118.5	<u>82.5</u> 119.0	<u>82.5</u> 119.4	<u>82.5</u> 119.8	<u>82.5</u> 120.2	<u>82.5</u> 120.6	<u>82.5</u> 121.1	<u>82.5</u> 121.5	<u>82.5</u> 121.9
Customers	11/./	110.1	110.5	115.0	113.4	115.0	120.2	120.0	121.1	121.3	121.5
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

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-13% -7% 7% -7% 0% 0%

Revenue Forecast

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase	6.00/	7 70/	7.60/	5.00/	5.00/	5.00/	5.00/	5.00/
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth	0.220/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/	0.000/
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O8	M Costs
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	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B5	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253
Amount Available for Cash CIP	\$1,281,965	\$1,607,537	\$1,953,179	\$2,320,086	\$2,709,526	\$3,122,839	\$3,561,443	\$4,026,841	\$4,520,624	\$5,044,476
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	0%	0%	0%	3%	15%	26%	37%	48%	58%	69%
Mains Replacement - Amount Funded	\$0	\$0	\$0	\$78 <i>,</i> 505	\$364,832	\$670,289	\$996,076	\$1,343,467	\$1,713,815	\$2,108,554
Total CIP By Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,320,086	\$2,709,526	\$3,122,839	\$3,561,443	\$4,026,841	\$4,520,624	\$5,044,476
DSC	1.4	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4
Surplus	\$0	\$0	\$0	\$78,505	\$364,832	\$670,289	\$996,076	\$1,343,467	\$1,713,815	\$2,108,554
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,048,760	\$2,143,003	\$2,320,086	\$2,709,526	\$3,122,839	\$3,561,443	\$4,026,841	\$4,520,624	\$5,044,476
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809	\$1,093,809
Upfront Costs	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076	\$776,076
Total Initial Debt	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253
Amount Available for Cash CIP	\$5,595,227	\$6,220,018	\$6,884,372	\$7,590,708	\$8,341,593	\$9,139,748	\$9,988,055	\$10,889,574	\$11,847,544	\$12,865,401	\$13,946,787
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	79%	89%	100%	111%	121%	132%	142%	152%	162%	171%	181%
Mains Replacement - Amount Fun	\$2,524,252	\$3,007,779	\$3,524,369	\$4,076,145	\$4,665,360	\$5,294,408	\$5,965,830	\$6,682,327	\$7,446,763	\$8,262,184	\$9,131,822
Total CIP By Year	\$5,595,227	\$6,220,018	\$6,884,372	\$7,590,708	\$8,341,593	\$9,139,748	\$9,988,055	\$10,889,574	\$11,847,544	\$12,865,401	\$13,946,787
DSC	2.6	2.7	2.9	3.1	3.3	3.5	3.8	4.0	4.3	4.6	4.9
Surplus	\$2,524,252	\$3,007,779	\$3,524,369	\$4,076,145	\$4,665,360	\$5,294,408	\$5,965,830	\$6,682,327	\$7,446,763	\$8,262,184	\$9,131,822
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$5,595,227	\$6,220,018	\$6,884,372	\$7,590,708	\$8,341,593	\$9,139,748	\$9,988,055	\$10,889,574	\$11,847,544	\$12,865,401	\$13,946,787
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case K Wholesale Water Costs

Shoreline Load - 2011												
Peak Months	544,384	44%					<- Percentage sp	olit based on h	istoric usage			
Off-peak months	697,881	56%					<- Percentage sp	olit based on h	istoric usage			
Total	1,242,265											
Shoreline Load - 2020												
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use			
Off-peak months	738,567	56%					<- Using historic	%'s, and 2020	projection of water use			
Total	1,314,689						<- Based on 2020	0 CCF water u	sage projection			
Contract Amount												
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads			
Off-peak months	853,045	56%					<- Based on same	e % split from	2011 loads			
Total	1,518,466								ncludes 10% adder and 5% for losses			
Wholesale Water Cost	2014	2015	2016	2017	2018	2019						
Peak Months	\$1,510,505						- Based on Cont	tract Amount	and SPU System Baseline Rates			
Off-peak months	\$1,305,159						- Based on Contract Amount and SPU System Baseline Rates					
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201	<- Forecast incre and change in		ion, SPU escalation, es			
Whalesala Datas												
Wholesale Rates	2014	2014	2012	2012	2012	2012	2014	2014				
	2011	2011	2012	2012	2013	2013	2014	2014				
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak				
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast			
Change from prior year			18%	18%	1%	0%	0%	0%				
Transition discount	(\$0.13)	(\$0.12)										
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast			
Change from prior year			31%	26%	1%	0%	0%	0%				
Interim Growth Charge	\$0.60	\$0.60										
Subregional Surcharge Rates												
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07				
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16				
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19				
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD				

Shoreline Muncipal Water Utility - Updated Case K Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
Expenses										
Wholesale Water Supply	\$3,443,399	\$3,570,466	\$3,702,358	\$3,839,263	\$3,981,377	\$4,128,903	\$4,282,055	\$4,441,051	\$4,606,123	\$4,777,508
Non-Supply O&M	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$10,059,099	\$10,499,088	\$10,958,800	\$11,439,136	\$11,941,044	\$12,465,512	\$13,013,576	\$13,586,321	\$14,184,883	\$14,810,448
Net Operating Funds	\$4,882,219	\$5,207,791	\$5,553,432	\$5,920,340	\$6,309,780	\$6,723,092	\$7,161,696	\$7,627,095	\$8,120,878	\$8,644,729
Debt Service Coverage Ratio	1.4	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4
Debt payments - Initial	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253
Net Cash Flow before CIP	\$1,281,965	\$1,607,537	\$1,953,179	\$2,320,086	\$2,709,526	\$3,122,839	\$3,561,443	\$4,026,841	\$4,520,624	\$5,044,476
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Total Expenses (with Debt & CIP)	\$15,479,441	\$16,148,102	\$16,702,056	\$17,280,971	\$17,885,991	\$18,518,315	\$19,179,197	\$19,869,949	\$20,591,945	\$21,346,624
Net Revenue - Available for Mains Replacement	\$0	\$0	\$0	\$78,505	\$364,832	\$670,289	\$996,076	\$1,343,467	\$1,713,815	\$2,108,554
Net Revenue as Percent of Total Revenue	0.0%	0.0%	0.0%	0.5%	2.0%	3.5%	4.9%	6.3%	7.7%	9.0%
Target Mains Replacement per Year	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Cumulative Mains Replacement	\$0	\$0	\$0	\$78,505	\$443,338	\$1,113,626	\$2,109,702	\$3,453,169	\$5,166,984	\$7,275,538
Percent Total Mains Replacement Funded	0.0%	0.0%	0.0%	0.1%	0.6%	1.6%	3.0%	4.9%	7.4%	10.4%

Shoreline Muncipal Water Utility - Updated Case K Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
Expenses											
Wholesale Water Supply	\$4,953,646	\$5,147,834	\$5,349,783	\$5,559,812	\$5,778,251	\$6,005,443	\$6,241,747	\$6,487,536	\$6,743,198	\$7,009,139	\$7,285,781
Non-Supply O&M	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790
Operations	\$0	\$0,100,270 \$0	\$0,555,645 \$0	\$0,520,205 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Pumping	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Treatment	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0 \$0	\$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Customer Service incl. meter reading	\$0 \$0	\$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Administrative & General	\$0 \$0	\$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$15,461,617	\$16,159,953	\$16,890,436	\$17,654,574	\$18,453,947	\$19,290,210	\$20,165,099	\$21,080,431	\$22,038,111	\$23,040,135	\$24,088,598
Net Operating Funds	\$9,195,480	\$9,820,272	\$10,484,625	\$11,190,961	\$11,941,847	\$12,740,001	\$13,588,309	\$14,489,827	\$15,447,797	\$16,465,654	\$17,547,040
Debt Consist Courses Detin	2.0		2.0	2.1	2.2	25	2.0			1.6	
Debt Service Coverage Ratio	2.6	2.7	2.9	3.1	3.3	3.5	3.8	4.0	4.3	4.6	4.9
Debt payments - Initial	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253	\$3,600,253
Net Cash Flow before CIP	\$5,595,227	\$6,220,018	\$6,884,372	\$7,590,708	\$8,341,593	\$9,139,748	\$9,988,055	\$10,889,574	\$11,847,544	\$12,865,401	\$13,946,787
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Total Expenses	\$22,132,845	\$22,972,446	\$23,850,692	\$24,769,390	\$25,730,433	\$26,735,803	\$27,787,577	\$28,887,931	\$30,039,145	\$31,243,606	\$32,503,816
Net Revenue - Available for Mains Replacement	\$2,524,252	\$3,007,779	\$3,524,369	\$4,076,145	\$4,665,360	\$5,294,408	\$5,965,830	\$6,682,327	\$7,446,763	\$8,262,184	\$9,131,822
Net Revenue - Available for Mains Replacement	10.2%	11.6%	12.9%	14.1%	15.3%	16.5%	17.7%	18.8%	19.9%	20.9%	21.9%
Torrat Mains Daplacement Torr Vers	62 24 4 4 24	62.264.004	60 F4C C00	¢2 (70 207	62 947 694	64.024.502	ć4 200 725	64 402 272	64 COE 007	ć4 047 000	ćr 020 440
Target Mains Replacement per Year	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Cumulative Mains Replacement	\$9,799,790	\$12,807,568	\$16,331,937	\$20,408,083	\$25,073,443	\$30,367,851	\$36,333,682	\$43,016,008	\$50,462,772	\$58,724,956	\$67,856,779
Percent Total Mains Replacement Funded	14.0%	18.3%	23.3%	29.1%	35.8%	43.4%	51.9%	61.4%	72.1%	83.9%	96.9%

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
		\$20,000,000	\$20,000,000	2020	2020	0	
Separation Cost							
Option:	B3	\$8,704,979	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices: A, B1, B2, B3, B4, B5							
Upfront Costs		\$12,157,432	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$47,149,226	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,049,966	\$1,430,518				
Ongoing CIP	1	\$1,958,662	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,759,465	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$945,339	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$703,787	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,567,134	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$4,975,725	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing	SPU Rates			
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	High	7.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Operating Costs Sensitivity	Base	0.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sho	oreline Water Sy	stem Finan	cial Analysis Appendix Page 165

		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	<u>\$5.59</u>	<u>\$4.53</u>	<u>\$4.87</u>	<u>\$5.24</u>	<u>\$5.64</u>	<u>\$5.92</u>	<u>\$6.22</u>	<u>\$6.53</u>	<u>\$6.86</u>	<u>\$7.20</u>
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>								
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>74.7</u>	<u>82.5</u>								
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	38,366	38,366	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	82.5	<u>82.5</u>	82.5	82.5
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	<u>\$472,544</u>	<u>\$496,171</u>	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	38,366	38,366	38,366	38,366	38,366	38,366	38,366	38,366	38,366	38,366	38,366
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>										
	117.7	118.1	118.5	119.0	119.4	119.8	120.2	120.6	121.1	121.5	121.9
Customers											
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.2%

-13% -7% 7% -7% 0% 0%

Revenue Forecast

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase								
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
other	1.5%	1.170	1.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Revenue Fo	recast
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Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,759,465	\$1,840,401	\$1,925,059	\$2,013,612	\$2,106,238	\$2,203,125	\$2,304,469	\$2,410,475	\$2,521,356	\$2,637,339
Materials & Supplies	\$945,339	\$988,824	\$1,034,310	\$1,081,889	\$1,131,655	\$1,183,712	\$1,238,162	\$1,295,118	\$1,354,693	\$1,417,009
Employee Benefits	\$703,787	\$736,161	\$770,024	\$805,445	\$842,496	\$881,251	\$921,788	\$964,191	\$1,008,543	\$1,054,936
Administrative	\$1,567,134	\$1,639,222	\$1,714,626	\$1,793,499	\$1,876,000	\$1,962,296	\$2,052,561	\$2,146,979	\$2,245,740	\$2,349,044
Total	\$4,975,725	\$5,204,608	\$5,444,020	\$5,694,445	\$5,956,389	\$6,230,383	\$6,516,981	\$6,816,762	\$7,130,333	\$7,458,328

Capital Financing - Fund at SPU Rates Levels

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598
Separation Cost B3	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503
Upfront Costs	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724
Total Initial Debt	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825
Amount Available for Cash CIP	\$1,057,394	\$1,382,966	\$1,728,607	\$2,095,515	\$2,484,955	\$2,898,267	\$3,336,871	\$3,802,270	\$4,296,053	\$4,819,904
Required CIP by Year	\$1,958,662	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Required CIP Funded by Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,344,694	\$2,452,550	\$2,565,367	\$2,683,374	\$2,806,809	\$2,935,922
Mains Replacement - Equal Over 23 Years	\$2,049,966	\$2,144,265	\$2,242,901	\$2,346,074	\$2,453,994	\$2,566,878	\$2,684,954	\$2,808,462	\$2,937,651	\$3,072,783
Percent of Mains Funded for the Year	0%	0%	0%	0%	6%	17%	29%	40%	51%	61%
Mains Replacement - Amount Funded	\$0	\$0	\$0	\$0	\$140,261	\$445,717	\$771,504	\$1,118,896	\$1,489,244	\$1,883,982
Total CIP By Year	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,484,955	\$2,898,267	\$3,336,871	\$3,802,270	\$4,296,053	\$4,819,904
DSC	1.3	1.4	1.5	1.5	1.6	1.8	1.9	2.0	2.1	2.3
Surplus	\$0	\$0	\$0	\$0	\$140,261	\$445,717	\$771,504	\$1,118,896	\$1,489,244	\$1,883,982
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,048,760	\$2,143,003	\$2,241,581	\$2,484,955	\$2,898,267	\$3,336,871	\$3,802,270	\$4,296,053	\$4,819,904
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$2,758,656	\$2,885,555	\$3,018,290	\$3,157,131	\$3,302,359	\$3,454,268	\$3,613,164	\$3,779,370	\$3,953,221	\$4,135,069	\$4,325,282
Materials & Supplies	\$1,482,191	\$1,550,372	\$1,621,689	\$1,696,287	\$1,774,316	\$1,855,935	\$1,941,308	\$2,030,608	\$2,124,016	\$2,221,721	\$2,323,920
Employee Benefits	\$1,103,463	\$1,154,223	\$1,207,317	\$1,262,854	\$1,320,945	\$1,381,708	\$1,445,267	\$1,511,749	\$1,581,290	\$1,654,029	\$1,730,114
Administrative	\$2,457,100	\$2,570,127	\$2,688,353	\$2,812,017	\$2,941,370	\$3,076,673	\$3,218,200	\$3,366,237	\$3,521,084	\$3,683,053	\$3,852,474
Total	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790

Capital Financing - Fund at SPU Rates Levels

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598
Separation Cost	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503	\$701,503
Upfront Costs	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724	\$979,724
Total Initial Debt	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825
Amount Available for Cash CIP	\$5,370,655	\$5,995,447	\$6,659,800	\$7,366,136	\$8,117,022	\$8,915,176	\$9,763,484	\$10,665,002	\$11,622,972	\$12,640,829	\$13,722,216
Required CIP by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Required CIP Funded by Year	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Mains Replacement	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Percent of Mains Funded	72%	83%	94%	105%	115%	126%	136%	147%	157%	167%	177%
Mains Replacement - Amount Fun	\$2,299,680	\$2,783,207	\$3,299,798	\$3,851,574	\$4,440,789	\$5,069,837	\$5,741,259	\$6,457,755	\$7,222,192	\$8,037,613	\$8,907,251
Total CIP By Year	\$5,370,655	\$5,995,447	\$6,659,800	\$7,366,136	\$8,117,022	\$8,915,176	\$9,763,484	\$10,665,002	\$11,622,972	\$12,640,829	\$13,722,216
DSC	2.4	2.6	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.3	4.6
Surplus	\$2,299,680	\$2,783,207	\$3,299,798	\$3,851,574	\$4,440,789	\$5,069,837	\$5,741,259	\$6,457,755	\$7,222,192	\$8,037,613	\$8,907,251
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$5,370,655	\$5,995,447	\$6,659,800	\$7,366,136	\$8,117,022	\$8,915,176	\$9,763,484	\$10,665,002	\$11,622,972	\$12,640,829	\$13,722,216
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case L Wholesale Water Costs

Shoreline	Load -	2011

Peak Months	544,384	44%					<- Percentage split based on historic usage
Off-peak months	697,881	56%					<- Percentage split based on historic usage
Total	1,242,265						
Shoreline Load - 2020							
Peak Months	576,122	44%					<- Using historic %'s, and 2020 projection of water use
Off-peak months	738,567	56%					<- Using historic %'s, and 2020 projection of water use
Total	1,314,689						<- Based on 2020 CCF water usage projection
Contract Amount							
Peak Months	665,421	44%					<- Based on same % split from 2011 loads
Off-peak months	853,045	56%					<- Based on same % split from 2011 loads
Total	1,518,466						<- Assumed from 2020 Load; includes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019	
Peak Months	\$1,510,505						- Sased on Contract Amount and SPU System Baseline Rates
Off-peak months	\$1,305,159						<- Based on Contract Amount and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201	<- Forecast increased by Inflation, SPU escalation, and change in Total Revenues

Wholesale Rates

	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)							
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year			31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case L Budget Summary

\$23,344,023 \$111,155 \$0 \$0 \$23,455,178 \$4,777,508 \$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$22,199,899 \$105,861 \$0 \$0 \$22,305,760 \$4,606,123 \$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$21,112,595 \$100,820 \$0 \$0 \$21,213,416 \$4,441,051 \$6,816,762 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$20,079,253 \$96,019 \$0 \$0 \$20,175,272 \$4,282,055 \$6,516,981 \$0 \$0 \$0 \$0	\$19,097,157 \$91,447 \$0 \$0 \$19,188,604 \$4,128,903 \$6,230,383 \$0 \$0	\$18,163,731 \$87,092 \$0 \$0 \$0 \$18,250,823 \$3,981,377 \$5,956,389 \$0	\$17,276,531 \$82,945 \$0 \$0 \$17,359,476 \$3,839,263 \$5,694,445 \$0	\$16,433,236 \$78,995 \$0 \$0 \$16,512,232 \$3,702,358 \$5,444,020	\$15,631,645 \$75,234 \$0 \$0 \$15,706,879 \$3,570,466	\$14,869,667 \$71,651 \$0 \$0 \$0 \$14,941,318	Revenues Rate Revenues (includes taxes) Use of Facilities Charges Misc. Revenues City of Shoreline Tax Revenue (franchise fee) State Tax Revenue Total Revenues Expenses
\$111,155 \$0 \$0 \$23,455,178 \$4,777,508 \$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$105,861 \$0 \$0 \$22,305,760 \$22,305,760 \$22,305,760 \$22,305,760 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$100,820 \$0 \$0 \$21,213,416 \$4,441,051 \$6,816,762 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$96,019 \$0 \$0 \$20,175,272 \$4,282,055 \$6,516,981 \$0 \$0 \$0	\$91,447 \$0 \$0 \$19,188,604 \$4,128,903 \$6,230,383 \$0	\$87,092 \$0 \$0 \$18,250,823 \$3,981,377 \$5,956,389	\$82,945 \$0 \$0 \$17,359,476 \$3,839,263 \$5,694,445	\$78,995 \$0 \$0 \$16,512,232 \$3,702,358	\$75,234 \$0 \$0 \$0 \$15,706,879	\$71,651 \$0 \$0 \$0 \$14,941,318	Use of Facilities Charges Misc. Revenues City of Shoreline Tax Revenue (franchise fee) <u>State Tax Revenue</u> Total Revenues
\$0 \$0 \$23,455,178 \$4,777,508 \$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$22,305,760 \$4,606,123 \$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$21,213,416 \$4,441,051 \$6,816,762 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$20,175,272 \$4,282,055 \$6,516,981 \$0 \$0	\$0 \$0 \$19,188,604 \$4,128,903 \$6,230,383 \$0	\$0 \$0 \$18,250,823 \$3,981,377 \$5,956,389	\$0 \$0 \$17,359,476 \$3,839,263 \$5,694,445	\$0 \$0 \$16,512,232 \$3,702,358	\$0 \$0 \$0 \$15,706,879	\$0 \$0 \$0 \$14,941,318	Misc. Revenues City of Shoreline Tax Revenue (franchise fee) State Tax Revenue Total Revenues
\$0 \$0 \$23,455,178 \$4,777,508 \$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$22,305,760 \$4,606,123 \$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 <u>\$0</u> \$21,213,416 \$4,441,051 \$6,816,762 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$20,175,272 \$4,282,055 \$6,516,981 \$0 \$0 \$0	\$0 \$0 \$19,188,604 \$4,128,903 \$6,230,383 \$0	\$0 \$0 \$18,250,823 \$3,981,377 \$5,956,389	\$0 \$0 \$17,359,476 \$3,839,263 \$5,694,445	\$0 \$0 \$16,512,232 \$3,702,358	\$0 \$0 \$15,706,879	\$0 <u>\$0</u> \$14,941,318	City of Shoreline Tax Revenue (franchise fee) State Tax Revenue Total Revenues
\$0 \$23,455,178 \$4,777,508 \$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$22,305,760 \$4,606,123 \$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$21,213,416 \$4,441,051 \$6,816,762 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$20,175,272 \$4,282,055 \$6,516,981 \$0 \$0	\$0 \$19,188,604 \$4,128,903 \$6,230,383 \$0	\$0 \$18,250,823 \$3,981,377 \$5,956,389	\$0 \$17,359,476 \$3,839,263 \$5,694,445	\$0 \$16,512,232 \$3,702,358	\$0 \$15,706,879	\$0 \$14,941,318	State Tax Revenue Total Revenues
\$23,455,178 \$4,777,508 \$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$22,305,760 \$4,606,123 \$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$21,213,416 \$4,441,051 \$6,816,762 \$0 \$0 \$0 \$0 \$0	\$20,175,272 \$4,282,055 \$6,516,981 \$0 \$0	\$19,188,604 \$4,128,903 \$6,230,383 \$0	\$18,250,823 \$3,981,377 \$5,956,389	\$17,359,476 \$3,839,263 \$5,694,445	\$16,512,232 \$3,702,358	\$15,706,879	\$14,941,318	Total Revenues
\$4,777,508 \$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,606,123 \$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0	\$4,441,051 \$6,816,762 \$0 \$0 \$0 \$0 \$0	\$4,282,055 \$6,516,981 \$0 \$0	\$4,128,903 \$6,230,383 \$0	\$3,981,377 \$5,956,389	\$3,839,263 \$5,694,445	\$3,702,358	<u> </u>		
\$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6,816,762 \$0 \$0 \$0 \$0 \$0	\$6,516,981 \$0 \$0	\$6,230,383 \$0	\$5,956,389	\$5,694,445		\$3,570,466	¢2 442 200	Fxpenses
\$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6,816,762 \$0 \$0 \$0 \$0 \$0	\$6,516,981 \$0 \$0	\$6,230,383 \$0	\$5,956,389	\$5,694,445		\$3,570,466	¢2 442 200	Fxpenses
\$7,458,328 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$7,130,333 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6,816,762 \$0 \$0 \$0 \$0 \$0	\$6,516,981 \$0 \$0	\$6,230,383 \$0	\$5,956,389	\$5,694,445		\$3,570,466		•
\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0	\$0				65 204 COO	\$3,443,399	Wholesale Water Supply
\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0	\$0		Ş0			\$5,204,608	\$4,975,725	Non-Supply O&M
\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0					\$0	\$0	\$0	Operations
\$0 \$0 \$0 \$0	\$0 \$0	\$0	Ś0		\$0	\$0	\$0	\$0	\$0	Engineering
\$0 \$0 \$0	\$0			\$0	\$0	\$0	\$0	\$0	\$0	Pumping
\$0 \$0		ćn	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Treatment
\$0	\$0	Ş0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Distribution System
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Fire Hydrants
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Customer Service incl. meter reading
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Administrative & General
\$1,173,971	\$1,116,433	\$1,061,752	\$1,009,786	\$960,396	\$913,454	\$868,837	\$826,427	\$786,115	\$747,796	State Tax Expense
\$1,400,641	\$1,331,994	\$1,266,756	\$1,204,755	\$1,145,829	\$1,089,824	\$1,036,592	\$985,994	\$937,899	\$892,180	City of Shoreline Tax Expense (franchise fee)
\$14,810,448	\$14,184,883	\$13,586,321	\$13,013,576	\$12,465,512	\$11,941,044	\$11,439,136	\$10,958,800	\$10,499,088	\$10,059,099	Total Operating Expenses
\$8,644,729	\$8,120,878	\$7,627,095	\$7,161,696	\$6,723,092	\$6,309,780	\$5,920,340	\$5,553,432	\$5,207,791	\$4,882,219	Net Operating Funds
2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.5	1.4	1.3	Debt Service Coverage Ratio
\$3,824,825	\$3.824.825	\$3.824.825	\$3.824.825	\$3.824.825	\$3.824.825	\$3.824.825	\$3.824.825	\$3.824.825	\$3.824.825	Debt payments - Initial
\$4,819,904	\$4,296,053	\$3,802,270	\$3,336,871	\$2,898,267	\$2,484,955	\$2,095,515	\$1,728,607	\$1,382,966	\$1,057,394	Net Cash Flow before CIP
ćo	ćo	ćo	ćo	ćo	ćo	ćo	ćo	ćo	ćo	
\$0										1 /
\$2,935,922										
\$21,571,195	\$20,816,517	\$20,094,520	\$19,403,768	\$18,742,886	\$18,110,563	\$17,505,542	\$16,926,627	\$16,372,673	\$15,704,012	Total Expenses (with Debt & CIP)
\$1,883,982	\$1,489,244	\$1,118,896	\$771,504	\$445,717	\$140,261	\$0	\$0	\$0	\$0	Net Revenue - Available for Mains Replacement
8.0%	6.7%	5.3%	3.8%	2.3%	0.8%	0.0%	0.0%	0.0%	0.0%	Net Revenue as Percent of Total Revenue
\$3,072,783	\$2,937,651	\$2,808,462	\$2,684,954	\$2,566,878	\$2,453,994	\$2,346,074	\$2,242,901	\$2,144,265	\$2,049,966	Target Mains Replacement per Year
\$5,849,604										
8.4%	5.7%	3.5%	1.9%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	Percent Total Mains Replacement Funded
	\$14,184,883 \$8,120,878 2.1 \$3,824,825 \$4,296,053 \$0 \$2,806,809 \$20,816,517 \$1,489,244 6.7% \$2,937,651 \$3,965,622	\$13,586,321 \$7,627,095 2.0 \$3,824,825 \$3,802,270 \$0 \$2,683,374 \$20,094,520 \$1,118,896 \$1,118,896 \$3,3% \$2,808,462 \$2,476,378	\$13,013,576 \$7,161,696 1.9 \$3,824,825 \$3,836,871 \$0 \$2,565,367 \$19,403,768 \$771,504 \$771,504 \$.8% \$2,684,954 \$1,357,482	\$12,465,512 \$6,723,092 1.8 \$3,824,825 \$2,898,267 \$0 \$2,452,550 \$18,742,886 \$445,717 2.3% \$2,566,878 \$585,978	\$11,941,044 \$6,309,780 1.6 \$3,824,825 \$2,484,955 \$0 \$2,344,694 \$18,110,563 \$140,261 \$2,453,994 \$140,261	\$11,439,136 \$5,920,340 1.5 \$3,824,825 \$2,095,515 \$0 \$2,241,581 \$17,505,542 \$0 0.0% \$2,346,074 \$0	\$10,958,800 \$5,553,432 1.5 \$3,824,825 \$1,728,607 \$0 \$2,143,003 \$16,926,627 \$0 0.0% \$2,242,901 \$0	\$10,499,088 \$5,207,791 1.4 \$3,824,825 \$1,382,966 \$0 \$2,048,760 \$16,372,673 \$0 0.0% \$2,144,265 \$0	\$10,059,099 \$4,882,219 1.3 \$3,824,825 \$1,057,394 \$0 \$1,820,088 \$15,704,012 \$0 0.0% \$2,049,966 \$0	Total Operating Expenses Net Operating Funds Debt Service Coverage Ratio Debt Service Coverage Ratio Debt service Coverage Ratio Debt payments - Initial Net Cash Flow before CIP Debt payments - CIP Cash Funded CIP - Ongoing Total Expenses (with Debt & CIP) Net Revenue - Available for Mains Replacement Net Revenue as Percent of Total Revenue Target Mains Replacement per Year Cumulative Mains Replacement

Shoreline Muncipal Water Utility - Updated Case L Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
Expenses											
Wholesale Water Supply	\$4,953,646	\$5,147,834	\$5,349,783	\$5,559,812	\$5,778,251	\$6,005,443	\$6,241,747	\$6,487,536	\$6,743,198	\$7,009,139	\$7,285,781
Non-Supply O&M	\$7,801,411	\$8,160,276	\$8,535,649	\$8,928,289	\$9,338,990	\$9,768,584	\$10,217,939	\$10,687,964	\$11,179,610	\$11,693,872	\$12,231,790
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$15,461,617	\$16,159,953	\$16,890,436	\$17,654,574	\$18,453,947	\$19,290,210	\$20,165,099	\$21,080,431	\$22,038,111	\$23,040,135	\$24,088,598
Net Operating Funds	\$9,195,480	\$9,820,272	\$10,484,625	\$11,190,961	\$11,941,847	\$12,740,001	\$13,588,309	\$14,489,827	\$15,447,797	\$16,465,654	\$17,547,040
Debt Service Coverage Ratio	2.4	2.6	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.3	4.6
Debt payments - Initial	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825	\$3,824,825
Net Cash Flow before CIP	\$5,370,655	\$5,995,447	\$6,659,800	\$7,366,136	\$8,117,022	\$8,915,176	\$9,763,484	\$10,665,002	\$11,622,972	\$12,640,829	\$13,722,216
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$3,070,975	\$3,212,240	\$3,360,003	\$3,514,563	\$3,676,233	\$3,845,339	\$4,022,225	\$4,207,247	\$4,400,781	\$4,603,217	\$4,814,965
Total Expenses	\$22,357,417	\$23,197,018	\$24,075,264	\$24,993,962	\$25,955,005	\$26,960,375	\$28,012,149	\$29,112,503	\$30,263,716	\$31,468,177	\$32,728,387
·											<u> </u>
Net Revenue - Available for Mains Replacement	\$2,299,680	\$2,783,207	\$3,299,798	\$3,851,574	\$4,440,789	\$5,069,837	\$5,741,259	\$6,457,755	\$7,222,192	\$8,037,613	\$8,907,251
Net Revenue - Available for Mains Replacement	9.3%	10.7%	12.1%	13.4%	14.6%	15.8%	17.0%	18.2%	19.3%	20.3%	21.4%
Target Mains Replacement per Year	\$3,214,131	\$3,361,981	\$3,516,632	\$3,678,397	\$3,847,604	\$4,024,593	\$4,209,725	\$4,403,372	\$4,605,927	\$4,817,800	\$5,039,418
Cumulative Mains Replacement	\$8,149,284	\$10,932,491	\$14,232,289	\$18,083,863	\$22,524,652	\$27,594,488	\$33,335,747	\$39,793,502	\$47,015,694	\$55,053,307	\$63,960,558
Percent Total Mains Replacement Funded	11.6%	15.6%	20.3%	25.8%	32.2%	39.4%	47.6%	56.8%	67.1%	78.6%	91.3%

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
Separation Cost							
Option: Choices: A, B1, B2, B3, B4, B5	B3	\$9,396,495	\$5,938,300	2012	2020	1	Eng Report Table 7
Upfront Costs		\$13,123,209	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CIP	Years						
Mains Replacement (Total)		\$51,864,148	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,254,963	\$1,430,518				
Ongoing CIP	1	\$2,154,528	\$1,366,803	2012	2020		Eng Report Table 14
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$1,935,412	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$1,039,873	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$774,165	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$1,723,847	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$5,473,297	\$3,472,185	2012	2020		0 1
Use of Facilities/Other Revenues		\$71,651	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	sPU Rates			
City of Shoreline Tax		6.000%	Included in Existing				
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	Base	5.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	Base	3.5%	3.5%	2.5%	5.0%		
Esclation of Costs	Base	4.6%	4.6%	2.6%	6.6%		
Borrowing Cost	Base	5.0%	5.0%	4.0%	7.0%		
Borrowing term	Base	30	30	30	30		
Debt Ratio for Purchase	Base	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	High	10.0%	0%	-10%	10%		
Operating Costs Sensitivity	High	10.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	Base	0.0%	0%	-10%	10%		
Load Growth Sensitivity	Base	0.0%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Wholesale Contract % Adder for Reliability	Base	10.0%	10.0%	0.0%	20.0%		
Wholesale Contract Adjustment for Losses	Base	5.0%	5.0%	4.0%	6.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0 \$0	-\$267,325				
Materials & Supplies	No	\$0 \$0	\$0				
Employee Benefits	No	\$0 \$0	-\$76,415				
Administrative	No	\$0	\$0		Shoreline	e Water Sys	stem Financial Analysis Appendix Pa

		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,059,065	\$6,476,517	\$6,912,932	\$7,201,267	\$7,501,628	\$7,814,517	\$8,140,456	\$8,479,990
Multi-Family	\$958,677	\$1,014,676	\$1,128,424	\$1,254,018	\$1,389,194	\$1,468,895	\$1,553,168	\$1,642,276	\$1,736,497	\$1,836,123
Commercial	\$1,452,391	\$1,723,971	\$1,743,212	\$1,948,133	\$2,167,805	\$2,302,660	\$2,445,904	\$2,598,059	\$2,759,679	\$2,931,353
MMRD	\$224,812	\$273,622	\$292,744	\$313,827	\$335,951	\$350,985	\$366,692	\$383,101	\$400,245	\$418,156
Fire	\$139,497	\$151,974	\$163,411	\$176,060	\$189,419	\$198,890	\$208,834	\$219,276	\$230,240	\$241,752
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,754</u>	<u>\$201,210</u>	<u>\$216,478</u>	<u>\$227,302</u>	<u>\$238,667</u>	<u>\$250,600</u>	<u>\$263,130</u>	<u>\$276,286</u>
Total	\$8,458,920	\$9,017,751	\$9,573,610	\$10,369,764	\$11,211,779	\$11,749,998	\$12,314,893	\$12,907,829	\$13,530,247	\$14,183,661
Average Rate										
Residential	\$7.50	\$7.50	\$7.95	\$8.56	\$9.21	\$9.67	\$10.16	\$10.66	\$11.20	\$11.76
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.47	\$7.11	\$7.47	\$7.84	\$8.24	\$8.65	\$9.08
Commercial	\$5.67	\$5.67	\$6.10	\$6.74	\$7.41	\$7.78	\$8.17	\$8.58	\$9.01	\$9.46
MMRD	\$5.88	\$6.12	\$6.59	\$7.09	\$7.63	\$8.01	\$8.42	\$8.84	\$9.28	\$9.74
Fire	\$700.99	\$190.56	\$204.90	\$220.76	\$237.51	\$249.39	\$261.86	\$274.95	\$288.70	\$303.13
Other	<u>\$5.59</u>	<u>\$4.53</u>	<u>\$4.87</u>	<u>\$5.24</u>	<u>\$5.64</u>	<u>\$5.92</u>	<u>\$6.22</u>	<u>\$6.53</u>	<u>\$6.86</u>	<u>\$7.20</u>
Total	\$6.81	\$6.80	\$7.23	\$7.84	\$8.48	\$8.90	\$9.34	\$9.80	\$10.28	\$10.78
CCF										
Residential	732,074	768,573	762,505	756,484	750,511	744,585	738,706	732,874	727,087	721,346
Multi-Family	180,889	191,226	192,569	193,921	195,283	196,654	198,034	199,425	200,825	202,235
Commercial	256,160	282,534	285,819	289,143	292,504	295,905	299,346	302,826	306,347	309,909
MMRD	38,208	44,679	44,456	44,233	44,012	43,792	43,573	43,355	43,138	42,923
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>	<u>38,366</u>	38,366	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,242,265	1,326,177	1,324,512	1,322,945	1,321,474	1,320,100	1,318,823	1,317,643	1,316,561	1,315,576
CCF per Customer										
Residential	75.7	79.5	78.7	77.9	77.1	76.3	75.6	74.8	74.1	73.3
Multi-Family	766.5	810.3	806.2	802.2	798.2	794.2	790.2	786.3	782.3	778.4
Commercial	642.0	708.1	711.6	715.2	718.8	722.4	726.0	729.6	733.3	736.9
MMRD	9,552.0	11,169.8	11,113.9	11,058.3	11,003.0	10,948.0	10,893.3	10,838.8	10,784.6	10,730.7
Fire	1.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	82.5	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>
	113.9	121.5	121.1	120.7	120.2	119.8	119.4	119.0	118.7	118.3
Customers										
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	251	254	257	260
Commercial	399	399	402	404	407	410	412	415	418	421
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	<u>465</u>	465	465	465	465	465	465	465	465	465
	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$8,833,686	\$9,245,498	\$9,676,508	\$10,127,611	\$10,599,743	\$11,093,886	\$11,611,065	\$12,152,354	\$12,718,877	\$13,311,810
Multi-Family	\$1,941,465	\$2,058,268	\$2,182,097	\$2,313,376	\$2,452,553	\$2,600,103	\$2,756,530	\$2,922,367	\$3,098,182	\$3,284,575
Commercial	\$3,113,707	\$3,299,178	\$3,495,696	\$3,703,920	\$3,924,546	\$4,158,315	\$4,406,008	\$4,668,455	\$4,946,535	\$5,241,180
MMRD	\$436,868	\$457,565	\$479,242	\$501,946	\$525,726	\$550,632	\$576,718	\$604,040	\$632,657	\$662,629
Fire	\$253,839	\$266,531	\$279,858	\$293,851	\$308,543	\$323,971	\$340,169	\$357,178	\$375,037	\$393,788
Other	<u>\$290,101</u>	<u>\$304,606</u>	<u>\$319,836</u>	<u>\$335,828</u>	<u>\$352,619</u>	<u>\$370,250</u>	<u>\$388,763</u>	<u>\$408,201</u>	<u>\$428,611</u>	<u>\$450,042</u>
Total	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Average Rate										
Residential	\$12.34	\$12.96	\$13.61	\$14.29	\$15.00	\$15.75	\$16.54	\$17.37	\$18.24	\$19.15
Multi-Family	\$9.53	\$10.01	\$10.51	\$11.04	\$11.59	\$12.17	\$12.78	\$13.41	\$14.08	\$14.79
Commercial	\$9.93	\$10.43	\$10.95	\$11.50	\$12.07	\$12.68	\$13.31	\$13.97	\$14.67	\$15.41
MMRD	\$10.23	\$10.74	\$11.28	\$11.84	\$12.43	\$13.06	\$13.71	\$14.39	\$15.11	\$15.87
Fire	\$318.29	\$334.21	\$350.92	\$368.46	\$386.88	\$406.23	\$426.54	\$447.87	\$470.26	\$493.77
Other	<u>\$7.56</u>	<u>\$7.94</u>	<u>\$8.34</u>	<u>\$8.75</u>	<u>\$9.19</u>	<u>\$9.65</u>	<u>\$10.13</u>	<u>\$10.64</u>	<u>\$11.17</u>	<u>\$11.73</u>
Total	\$11.31	\$11.87	\$12.45	\$13.07	\$13.71	\$14.39	\$15.10	\$15.84	\$16.62	\$17.44
CCF										
Residential	715,651	713,346	711,048	708,758	706,476	704,201	701,933	699,672	697,419	695,172
Multi-Family	203,655	205,626	207,616	209,625	211,654	213,702	215,770	217,859	219,967	222,096
Commercial	313,512	316,368	319,250	322,159	325,094	328,055	331,044	334,060	337,103	340,174
MMRD	42,708	42,601	42,495	42,389	42,283	42,177	42,072	41,966	41,861	41,757
Fire	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>									
Total	1,314,689	1,317,104	1,319,573	1,322,094	1,324,669	1,327,298	1,329,982	1,332,720	1,335,514	1,338,363
CCF per Customer										
Residential	72.6	72.2	71.9	71.5	71.2	70.8	70.4	70.1	69.7	69.4
Multi-Family	774.5	772.6	770.7	768.7	766.8	764.9	763.0	761.1	759.2	757.3
Commercial	740.6	742.5	744.3	746.2	748.1	749.9	751.8	753.7	755.6	757.4
MMRD	10,677.0	10,650.4	10,623.7	10,597.2	10,570.7	10,544.3	10,517.9	10,491.6	10,465.4	10,439.2
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>									
	117.9	117.9	117.9	117.8	117.8	117.8	117.8	117.8	117.8	117.8
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$13,932,385	\$14,629,004	\$15,360,454	\$16,128,477	\$16,934,901	\$17,781,646	\$18,670,728	\$19,604,264	\$20,584,477	\$21,613,701	\$22,694,386
Multi-Family	\$3,474,583	\$3,700,137	\$3,940,332	\$4,196,119	\$4,468,511	\$4,758,586	\$5,067,490	\$5,396,447	\$5,746,759	\$6,119,811	\$6,517,080
Commercial	\$5,553,374	\$5,869,492	\$6,203,603	\$6,556,734	\$6,929,966	\$7,324,444	\$7,741,376	\$8,182,042	\$8,647,792	\$9,140,054	\$9,660,338
MMRD	\$694,021	\$728,722	\$765,158	\$803,416	\$843,587	\$885,766	\$930,055	\$976,557	\$1,025,385	\$1,076,654	\$1,130,487
Fire	\$413,478	\$434,152	\$455,859	\$478,652	\$502,585	\$527,714	\$554,100	\$581,805	\$610,895	\$641,440	\$673,512
Other	\$472,544	\$496,171	<u>\$520,979</u>	<u>\$547,028</u>	<u>\$574,380</u>	<u>\$603,099</u>	<u>\$633,254</u>	<u>\$664,916</u>	<u>\$698,162</u>	<u>\$733,070</u>	<u>\$769,724</u>
Total	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Average Rate											
Residential	\$20.11	\$21.11	\$22.17	\$23.28	\$24.44	\$25.66	\$26.94	\$28.29	\$29.71	\$31.19	\$32.75
Multi-Family	\$15.53	\$16.30	\$17.12	\$17.98	\$18.87	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09	\$25.29
Commercial	\$16.18	\$16.99	\$17.84	\$18.73	\$19.66	\$20.65	\$21.68	\$22.76	\$23.90	\$25.10	\$26.35
MMRD	\$16.66	\$17.50	\$18.37	\$19.29	\$20.25	\$21.27	\$22.33	\$23.45	\$24.62	\$25.85	\$27.14
Fire	\$518.46	\$544.39	\$571.60	\$600.18	\$630.19	\$661.70	\$694.79	\$729.53	\$766.00	\$804.30	\$844.52
Other	<u>\$12.32</u>	<u>\$12.93</u>	<u>\$13.58</u>	<u>\$14.26</u>	<u>\$14.97</u>	<u>\$15.72</u>	<u>\$16.51</u>	<u>\$17.33</u>	<u>\$18.20</u>	<u>\$19.11</u>	<u>\$20.06</u>
Total	\$18.30	\$19.21	\$20.16	\$21.15	\$22.20	\$23.29	\$24.45	\$25.65	\$26.92	\$28.25	\$29.65
CCF											
Residential	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934	692,934
Multi-Family	223,756	226,934	230,158	233,427	236,743	240,106	243,517	246,976	250,484	254,042	257,651
Commercial	343,274	345,537	347,815	350,109	352,417	354,741	357,080	359,435	361,805	364,190	366,592
MMRD	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652	41,652
Fire	798	798	798	798	798	798	798	798	798	798	798
Other	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,340,779	1,346,221	1,351,723	1,357,286	1,362,910	1,368,597	1,374,346	1,380,160	1,386,038	1,391,982	1,397,992
CCF per Customer											
Residential	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Multi-Family	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4	755.4
Commercial	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3	759.3
MMRD	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1	10,413.1
Fire	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	82.5	<u>82.5</u>						
Customers	117.7	118.1	118.5	119.0	119.4	119.8	120.2	120.6	121.1	121.5	121.9
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Multi-Family	296	300	305	309	313	318	322	327	332	336	341
•	250					467	470	473	476	480	
Commercial	452	455	458	461	464						483
Commercial MMRD	452 4	455 4	458 4	461 4	464 4						483 4
Commercial MMRD Fire		455 4 136	458 4 136	461 4 136	464 4 136	407 4 136	4	4	4	480 4 136	4
MMRD	4	4	4	4	4	4		4	4	4	

0.2%

-13% -7% 7% -7% 0% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
Multi-Family	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Commercial	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%	-0.79%
Multi-Family	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
Commercial	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.13%	-0.12%	-0.11%	-0.10%	-0.10%	-0.09%	-0.08%	-0.07%
Average Rate Increase								
Residential	6.0%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	10.6%	10.4%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	7.6%	10.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	7.5%	7.7%	7.6%	5.0%	5.0%	5.0%	5.0%	5.0%

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-1.00%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Commercial	0.50%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth										
Residential	0.70%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
Multi-Family	1.16%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
Commercial	-0.50%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%	-0.25%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	-0.07%	0.18%	0.19%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%	0.21%
Average Rate Increase										
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Revenue Fo	recast
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Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth											
Residential	-0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.75%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.91%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	-0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.18%	0.41%	0.41%	0.41%	0.41%	0.42%	0.42%	0.42%	0.43%	0.43%	0.43%
Average Rate Increase											
Residential	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multi-Family	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Commercial	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
MMRD	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Fire	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Other	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Annual O&M Costs	Annual	0&M	Costs
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	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$1,935,412	\$2,024,441	\$2,117,565	\$2,214,973	\$2,316,862	\$2,423,438	\$2,534,916	\$2,651,522	\$2,773,492	\$2,901,073
Materials & Supplies	\$1,039,873	\$1,087,707	\$1,137,741	\$1,190,077	\$1,244,821	\$1,302,083	\$1,361,978	\$1,424,629	\$1,490,162	\$1,558,710
Employee Benefits	\$774,165	\$809,777	\$847,027	\$885,990	\$926,746	\$969,376	\$1,013,967	\$1,060,610	\$1,109,398	\$1,160,430
Administrative	\$1,723,847	\$1,803,144	\$1,886,089	\$1,972,849	\$2,063,600	\$2,158,525	\$2,257,817	\$2,361,677	\$2,470,314	\$2,583,949
Total	\$5,473,297	\$5,725,069	\$5,988,422	\$6,263,889	\$6,552,028	\$6,853,421	\$7,168,679	\$7,498,438	\$7,843,366	\$8,204,161

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost B3	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256
Upfront Costs	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684
Total Initial Debt	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307
Amount Available for Cash CIP	\$1,189,339	\$1,492,023	\$1,813,723	\$2,155,588	\$2,518,833	\$2,904,746	\$3,314,691	\$3,750,111	\$4,212,537	\$4,703,589
Required CIP by Year	\$2,154,528	\$2,253,636	\$2,357,303	\$2,465,739	\$2,579,163	\$2,697,805	\$2,821,904	\$2,951,711	\$3,087,490	\$3,229,515
Required CIP Funded by Year	\$1,820,088	\$2,253,636	\$2,357,303	\$2,465,739	\$2,579,163	\$2,697,805	\$2,821,904	\$2,951,711	\$3,087,490	\$3,229,515
Mains Replacement - Equal Over 23 Years	\$2,254,963	\$2,358,691	\$2,467,191	\$2,580,682	\$2,699,393	\$2,823,565	\$2,953,449	\$3,089,308	\$3,231,416	\$3,380,061
Percent of Mains Funded for the Year	0%	0%	0%	0%	0%	7%	17%	26%	35%	44%
Mains Replacement - Amount Funded	\$0	\$0	\$0	\$0	\$0	\$206,942	\$492,787	\$798,400	\$1,125,047	\$1,474,075
Total CIP By Year	\$1,820,088	\$2,253,636	\$2,357,303	\$2,465,739	\$2,579,163	\$2,904,746	\$3,314,691	\$3,750,111	\$4,212,537	\$4,703,589
DSC	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.5
Surplus	\$0	\$0	\$0	\$0	\$0	\$206,942	\$492,787	\$798,400	\$1,125,047	\$1,474,075
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,253,636	\$2,357,303	\$2,465,739	\$2,579,163	\$2,904,746	\$3,314,691	\$3,750,111	\$4,212,537	\$4,703,589
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual O&M Costs

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$3,034,522	\$3,174,110	\$3,320,119	\$3,472,844	\$3,632,595	\$3,799,695	\$3,974,481	\$4,157,307	\$4,348,543	\$4,548,576	\$4,757,810
Materials & Supplies	\$1,630,411	\$1,705,409	\$1,783,858	\$1,865,916	\$1,951,748	\$2,041,528	\$2,135,439	\$2,233,669	\$2,336,418	\$2,443,893	\$2,556,312
Employee Benefits	\$1,213,810	\$1,269,645	\$1,328,049	\$1,389,139	\$1,453,039	\$1,519,879	\$1,589,794	\$1,662,924	\$1,739,419	\$1,819,432	\$1,903,126
Administrative	\$2,702,810	\$2,827,139	\$2,957,188	\$3,093,219	\$3,235,507	\$3,384,340	\$3,540,020	\$3,702,860	\$3,873,192	\$4,051,359	\$4,237,721
Total	\$8,581,552	\$8,976,304	\$9,389,214	\$9,821,118	\$10,272,889	\$10,745,442	\$11,239,732	\$11,756,760	\$12,297,571	\$12,863,259	\$13,454,969

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368	\$1,730,368
Separation Cost	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256	\$611,256
Upfront Costs	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684	\$853,684
Total Initial Debt	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307
Amount Available for Cash CIP	\$5,220,032	\$5,808,937	\$6,435,753	\$7,102,825	\$7,812,640	\$8,567,835	\$9,371,208	\$10,225,724	\$11,134,529	\$12,100,960	\$13,128,554
Required CIP by Year	\$3,378,072	\$3,533,464	\$3,696,003	\$3,866,019	\$4,043,856	\$4,229,873	\$4,424,447	\$4,627,972	\$4,840,859	\$5,063,538	\$5,296,461
Required CIP Funded by Year	\$3,378,072	\$3,533,464	\$3,696,003	\$3,866,019	\$4,043,856	\$4,229,873	\$4,424,447	\$4,627,972	\$4,840,859	\$5,063,538	\$5,296,461
Mains Replacement	\$3,535,544	\$3,698,179	\$3,868,295	\$4,046,237	\$4,232,364	\$4,427,053	\$4,630,697	\$4,843,709	\$5,066,520	\$5,299,580	\$5,543,360
Percent of Mains Funded	52%	62%	71%	80%	89%	98%	107%	116%	124%	133%	141%
Mains Replacement - Amount Fun	\$1,841,960	\$2,275,473	\$2,739,750	\$3,236,806	\$3,768,784	\$4,337,962	\$4,946,760	\$5,597,752	\$6,293,670	\$7,037,422	\$7,832,093
Total CIP By Year	\$5,220,032	\$5,808,937	\$6,435,753	\$7,102,825	\$7,812,640	\$8,567,835	\$9,371,208	\$10,225,724	\$11,134,529	\$12,100,960	\$13,128,554
DSC	2.6	2.8	3.0	3.2	3.4	3.7	3.9	4.2	4.5	4.8	5.1
Surplus	\$1,841,960	\$2,275,473	\$2,739,750	\$3,236,806	\$3,768,784	\$4,337,962	\$4,946,760	\$5,597,752	\$6,293,670	\$7,037,422	\$7,832,093
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$5,220,032	\$5,808,937	\$6,435,753	\$7,102,825	\$7,812,640	\$8,567,835	\$9,371,208	\$10,225,724	\$11,134,529	\$12,100,960	\$13,128,554
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case M Wholesale Water Costs

Shoreline Load - 2011									
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage
Total	1,242,265								
Shoreline Load - 2020									
Peak Months	576,122	44%					<- Using historic	%'s, and 2020	projection of water use
Off-peak months	738,567	56%					<- Using historic	%'s, and 2020	projection of water use
Total	1,314,689						<- Based on 2020) CCF water u	sage projection
Contract Amount									
Peak Months	665,421	44%					<- Based on same	e % split from	2011 loads
Off-peak months	853,045	56%					<- Based on same		
Total	1,518,466							•	ncludes 10% adder and 5% for losses
Wholesale Water Cost	2014	2015	2016	2017	2018	2019			
Peak Months	\$1,510,505						- Sased on Cont	tract Amount	and SPU System Baseline Rates
Off-peak months	\$1,305,159						<- Based on Cont	tract Amount	and SPU System Baseline Rates
Total	\$2,815,664	\$2,911,182	\$3,010,159	\$3,112,728	\$3,219,027	\$3,329,201			ion, SPU escalation,
							and change in		
Wholesale Rates									
Wholesule Rates	2011	2011	2012	2012	2013	2013	2014	2014	
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year	<i>v</i> 2.25	<i>\</i>	18%	18%	1%	0%	0%	0%	
Transition discount	(\$0.13)	(\$0.12)	10/0	10/0	2,0	0,0	0,0	0,0	
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast
Change from prior year	7	* = · · · *	31%	26%	1%	0%	0%	0%	
Interim Growth Charge	\$0.60	\$0.60							
Subregional Surcharge Rates									
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07	
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16	
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19	
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD	

Shoreline Muncipal Water Utility - Updated Case M Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$14,869,667	\$15,631,645	\$16,433,236	\$17,276,531	\$18,163,731	\$19,097,157	\$20,079,253	\$21,112,595	\$22,199,899	\$23,344,023
Use of Facilities Charges	\$71,651	\$75,234	\$78,995	\$82,945	\$87,092	\$91,447	\$96,019	\$100,820	\$105,861	\$111,155
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$14,941,318	\$15,706,879	\$16,512,232	\$17,359,476	\$18,250,823	\$19,188,604	\$20,175,272	\$21,213,416	\$22,305,760	\$23,455,178
Expenses										
Wholesale Water Supply	\$3,443,399	\$3,570,466	\$3,702,358	\$3,839,263	\$3,981,377	\$4,128,903	\$4,282,055	\$4,441,051	\$4,606,123	\$4,777,508
Non-Supply O&M	\$5,473,297	\$5,725,069	\$5,988,422	\$6,263,889	\$6,552,028	\$6,853,421	\$7,168,679	\$7,498,438	\$7,843,366	\$8,204,161
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$747,796	\$786,115	\$826,427	\$868,837	\$913,454	\$960,396	\$1,009,786	\$1,061,752	\$1,116,433	\$1,173,971
City of Shoreline Tax Expense (franchise fee)	\$892,180	\$937,899	\$985,994	\$1,036,592	\$1,089,824	\$1,145,829	\$1,204,755	\$1,266,756	\$1,331,994	\$1,400,641
Total Operating Expenses	\$10,556,672	\$11,019,549	\$11,503,202	\$12,008,581	\$12,536,683	\$13,088,550	\$13,665,274	\$14,267,998	\$14,897,916	\$15,556,281
Net Operating Funds	\$4,384,646	\$4,687,330	\$5,009,030	\$5,350,895	\$5,714,141	\$6,100,054	\$6,509,998	\$6,945,418	\$7,407,844	\$7,898,897
Debt Service Coverage Ratio	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.5
Debt payments - Initial	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307
Net Cash Flow before CIP	\$1,189,339	\$1,492,023	\$1,813,723	\$2,155,588	\$2,518,833	\$2,904,746	\$3,314,691	\$3,750,111	\$4,212,537	\$4,703,589
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,253,636	\$2,357,303	\$2,465,739	\$2,579,163	\$2,697,805	\$2,821,904	\$2,951,711	\$3,087,490	\$3,229,515
Total Expenses (with Debt & CIP)	\$15,572,067	\$16,468,492	\$17,055,812	\$17,669,627	\$18,311,153	\$18,981,662	\$19,682,485	\$20,415,016	\$21,180,713	\$21,981,103
Net Revenue - Available for Mains Replacement	\$0	\$0	\$0	\$0	\$0	\$206,942	\$492,787	\$798,400	\$1,125,047	\$1,474,075
Net Revenue a Percent of Total Revenue	0.0%	,00 0.0%	,0 0.0%	,0 0.0%	0.0%	3200,942 1.1%	2.4%	3738,400	51,125,047	6.3%
Target Mains Replacement per Year	\$2,254,963	\$2,358,691	\$2,467,191	\$2,580,682	\$2,699,393	\$2,823,565	\$2,953,449	\$3,089,308	\$3,231,416	\$3,380,061
Cumulative Mains Replacement	\$0	\$0	\$0	\$0	\$0	\$206,942	\$699,729	\$1,498,129	\$2,623,176	\$4,097,250
Percent Total Mains Replacement Funded	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.9%	1.9%	3.4%	5.3%

Shoreline Muncipal Water Utility - Updated Case M Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$24,540,385	\$25,857,677	\$27,246,386	\$28,710,427	\$30,253,929	\$31,881,254	\$33,597,002	\$35,406,032	\$37,313,471	\$39,324,731	\$41,445,526
Use of Facilities Charges	\$116,712	\$122,548	\$128,675	\$135,109	\$141,864	\$148,958	\$156,406	\$164,226	\$172,437	\$181,059	\$190,112
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,657,097	\$25,980,225	\$27,375,061	\$28,845,536	\$30,395,794	\$32,030,211	\$33,753,408	\$35,570,258	\$37,485,908	\$39,505,790	\$41,635,638
Expenses											
Wholesale Water Supply	\$4,953,646	\$5,147,834	\$5,349,783	\$5,559,812	\$5,778,251	\$6,005,443	\$6,241,747	\$6,487,536	\$6,743,198	\$7,009,139	\$7,285,781
Non-Supply O&M	\$8,581,552	\$8,976,304	\$9,389,214	\$9,821,118	\$10,272,889	\$10,745,442	\$11,239,732	\$11,756,760	\$12,297,571	\$12,863,259	\$13,454,969
	\$8,581,552 \$0	\$8,970,304 \$0	\$9,389,214 \$0	\$9,821,118 \$0	\$10,272,889 \$0	\$10,743,442 \$0	\$11,239,732 \$0	\$11,730,700 \$0	\$12,297,371 \$0	\$12,803,239 \$0	\$13,434,909 \$0
Operations	\$0 \$0	\$0 \$0	\$0 \$0	30 \$0	30 \$0	30 \$0	\$0 \$0	\$0 \$0	\$0 \$0	30 \$0	\$0 \$0
Engineering	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Pumping	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Treatment								\$0 \$0	-	\$0 \$0	
Distribution System	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 \$0	\$0 ¢0	\$0 \$0	\$0 ¢0
Fire Hydrants	\$0	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0		\$0		\$0
Customer Service incl. meter reading	\$0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0 ¢0	\$0	\$0 ¢0	\$0	\$0 ¢0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,234,136	\$1,300,383	\$1,370,221	\$1,443,847	\$1,521,470	\$1,603,308	\$1,689,593	\$1,780,569	\$1,876,494	\$1,977,641	\$2,084,296
City of Shoreline Tax Expense (franchise fee)	\$1,472,423	\$1,551,461	\$1,634,783	\$1,722,626	\$1,815,236	\$1,912,875	\$2,015,820	\$2,124,362	\$2,238,808	\$2,359,484	\$2,486,732
Total Operating Expenses	\$16,241,758	\$16,975,981	\$17,744,001	\$18,547,403	\$19,387,846	\$20,267,069	\$21,186,893	\$22,149,227	\$23,156,072	\$24,209,523	\$25,311,777
Net Operating Funds	\$8,415,339	\$9,004,244	\$9,631,060	\$10,298,133	\$11,007,948	\$11,763,143	\$12,566,515	\$13,421,031	\$14,329,836	\$15,296,267	\$16,323,861
Debt Service Coverage Ratio	2.6	2.8	3.0	3.2	3.4	3.7	3.9	4.2	4.5	4.8	5.1
Debt payments - Initial	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307	\$3,195,307
Net Cash Flow before CIP	\$5,220,032	\$5,808,937	\$6,435,753	\$7,102,825	\$7,812,640	\$8,567,835	\$9,371,208	\$10,225,724	\$11,134,529	\$12,100,960	\$13,128,554
				4.5	4.5			4.5			
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$3,378,072	\$3,533,464	\$3,696,003	\$3,866,019	\$4,043,856	\$4,229,873	\$4,424,447	\$4,627,972	\$4,840,859	\$5,063,538	\$5,296,461
Total Expenses	\$22,815,138	\$23,704,751	\$24,635,311	\$25,608,729	\$26,627,009	\$27,692,249	\$28,806,647	\$29,972,506	\$31,192,238	\$32,468,368	\$33,803,545
Net Revenue - Available for Mains Replacement	\$1,841,960	\$2,275,473	\$2,739,750	\$3,236,806	\$3,768,784	\$4,337,962	\$4,946,760	\$5,597,752	\$6,293,670	\$7,037,422	\$7,832,093
Net Revenue - Available for Mains Replacement	7.5%	8.8%	10.0%	11.2%	12.4%	13.5%	14.7%	15.7%	16.8%	17.8%	18.8%
Target Mains Replacement per Year	\$3,535,544	\$3,698,179	\$3,868,295	\$4,046,237	\$4,232,364	\$4,427,053	\$4,630,697	\$4,843,709	\$5,066,520	\$5,299,580	\$5,543,360
Cumulative Mains Replacement	\$5,939,210	\$8,214,683	\$10,954,433	\$14,191,239	\$17,960,024	\$22,297,986	\$27,244,746	\$32,842,498	\$39,136,168	\$46,173,590	\$54,005,683
	<i>40,000,</i> 210		Ŷ10,554,455	<i>q171717233</i>	917,500,024	JZZ,ZJ7,300	727,244,740	JJZ,0+2,+50	<i>455,150,100</i>	J+0,175,550	

Basic Assumptions

Capital Costs Purchase Price		2020 Value \$26,600,000	Base Case \$26,600,000	Year \$ 2020	Year spent 2020	Years IDC 0	
Separation Cost	50	¢10.022.002	¢E 0.28 200	2012	2020	1	Eng Deport Table 7
Option: Choices: A, B1, B2, B3, B4, B5	B3	\$10,932,992	\$5,938,300	2012	2020	1	Eng Report Table 7
Choices. A, b1, b2, b3, b4, b3							
Upfront Costs		\$15,269,091	\$8,293,470	2012	2020	1	Eng Report Tables 13 without Mains
Annual CID	Marana						
Annual CIP Mains Replacement (Total)	Years	\$60,349,185	\$32,901,908	2012	2020		Eng Report Table 9
Mains Replacement (Annual)	23	\$2,623,878	\$1,430,518	2012	2020		
Ongoing CIP	1	\$2,507,011	\$1,366,803	2012	2020		Eng Report Table 14
	-	<i>\$2,507,011</i>	<i>\$1,500,005</i>	2012	2020		
Annual Operating Costs		2020 Value	Base Case	Year \$	Year spent		
Labor		\$2,252,048	\$1,227,799	2012	2020		Eng Report Table 6
Materials & Supplies		\$1,209,997	\$659,681	2012	2020		Eng Report Table 6
Employee Benefits		\$900,820	\$491,120	2012	2020		Eng Report Table 6
Administrative		\$2,005,870	\$1,093,585	2012	2020		Eng Report Table 6
Total		\$6,368,735	\$3,472,185	2012	2020		
Use of Facilities/Other Revenues		\$83,373	\$50,000	2012	2020		
Tax Rates							
State Tax		5.029%	Included in Existing	SPU Rates			
City of Shoreline Tax		6.000%	Included in Existing				
Scenario Selection		Selected	Base	Low	High		
Escalation of Retail Rates	High	7.0%	5.0%	3.0%	7.0%		
Escalation of Wholesale Rates	High	5.0%	3.5%	2.5%	5.0%		
Esclation of Costs	High	6.6%	4.6%	2.6%	6.6%		
Borrowing Cost	High	7.0%	5.0%	4.0%	7.0%		
Borrowing term Debt Ratio for Purchase	High High	30 100.0%	30 100%	30 100%	30 100%		
	rigi	100.0%	100%	100%	100%		
Purchase Price Sensitivity	Base	0.0%	0%	-10%	10%		
Separation/Capital Cost Sensitivity	High	10.0%	0%	-10%	10%		
Operating Costs Sensitivity	High	10.0%	0%	-10%	10%		
Water Supply Cost Sensitivity	High	10.0%	0%	-10%	10%		
Load Growth Sensitivity	High	0.5%	0%	-0.5%	0.5%		
Target Debt Service Coverage	Base	1.7	1.7	2.0	1.5		
Whalesale Contract ((Adden for Deliability	Deee	10.00/	10.0%	0.00/	20.0%		
Wholesale Contract % Adder for Reliability Wholesale Contract Adjustment for Losses	Base Base	10.0% 5.0%	10.0% 5.0%	0.0% 4.0%	20.0% 6.0%		
WHORESale CONTract Aujustillent IOF LUSSES	DUSE	3.070	5.0%	4.070	0.0%		
Efficiency Savings							
Upfront Costs	No	\$0	-\$390,000				
Labor	No	\$0	-\$267,325				
Materials & Supplies	No	\$0	\$0				
Employee Benefits	No	\$0	-\$76,415				
Administrative	No	\$0	\$0	Sho	reline Water Sy	stem Finan	cial Analysis Appendix Page 189

Revenue Forecast										
_		Adjusted	Forecast							
Revenues	2011 Actual	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	\$5,489,547	\$5,679,825	\$6,079,945	\$6,522,215	\$6,987,613	\$7,455,174	\$7,954,021	\$8,486,248	\$9,054,088	\$9,659,923
Multi-Family	\$958,677	\$1,014,676	\$1,133,727	\$1,265,893	\$1,409,063	\$1,525,913	\$1,652,452	\$1,789,485	\$1,937,882	\$2,098,584
Commercial	\$1,452,391	\$1,723,971	\$1,751,084	\$1,965,893	\$2,197,742	\$2,390,760	\$2,600,731	\$2,829,142	\$3,077,614	\$3,347,909
MMRD	\$224,812	\$273,622	\$293,745	\$316,025	\$339,555	\$363,324	\$388,756	\$415,969	\$445,087	\$476,243
Fire	\$139,497	\$151,974	\$163,150	\$175,524	\$188,593	\$201,795	\$215,920	\$231,035	\$247,207	\$264,512
Other	<u>\$193,997</u>	<u>\$173,683</u>	<u>\$186,456</u>	<u>\$200,598</u>	<u>\$215,534</u>	<u>\$230,621</u>	<u>\$246,765</u>	<u>\$264,039</u>	<u>\$282,521</u>	<u>\$302,298</u>
Total	\$8,458,920	\$9,017,751	\$9,608,108	\$10,446,149	\$11,338,100	\$12,167,587	\$13,058,646	\$14,015,918	\$15,044,399	\$16,149,469
Average Rate										
Residential	\$7.50	\$7.50	\$7.93	\$8.54	\$9.17	\$9.81	\$10.50	\$11.23	\$12.02	\$12.86
Multi-Family	\$5.30	\$5.30	\$5.86	\$6.46	\$7.11	\$7.61	\$8.14	\$8.71	\$9.32	\$9.97
Commercial	\$5.67	\$5.67	\$6.10	\$6.73	\$7.40	\$7.92	\$8.48	\$9.07	\$9.70	\$10.38
MMRD	\$5.88	\$6.12	\$6.57	\$7.07	\$7.60	\$8.13	\$8.70	\$9.31	\$9.96	\$10.66
Fire	\$700.99	\$190.56	\$204.57	\$220.09	\$236.48	\$253.03	\$270.74	\$289.70	\$309.97	\$331.67
Other	\$5.59	\$4.53	\$4.86	\$5.23	<u>\$5.62</u>	<u>\$6.01</u>	\$6.43	\$6.88	\$7.36	<u>\$7.88</u>
Total	\$6.81	\$6.80	\$7.22	\$7.82	\$8.46	\$9.04	\$9.66	\$10.33	\$11.04	\$11.81
CCF										
Residential	732,074	768,573	766,356	764,145	761,940	759,742	757,550	755,364	753,185	751,012
Multi-Family	180,889	191,226	193,537	195,875	198,241	200,636	203,060	205,514	207,996	210,509
Commercial	256,160	282,534	287,241	292,027	296,892	301,838	306,867	311,979	317,176	322,460
MMRD	38,208	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679	44,679
Fire	199	798	798	798	798	798	798	798	798	798
Other	<u>34,735</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	38,366	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,242,265	1,326,177	1,330,976	1,335,889	1,340,916	1,346,059	1,351,319	1,356,699	1,362,200	1,367,824
CCF per Customer										
Residential	75.7	79.5	79.1	78.7	78.3	77.9	77.5	77.1	76.7	76.3
Multi-Family	766.5	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3
Commercial	642.0	708.1	715.2	722.3	729.6	736.9	744.2	751.7	759.2	766.8
MMRD	9,552.0	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8	11,169.8
Fire	5,552.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Other	74.7	<u>82.5</u>	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
other	113.9	<u>82.5</u> 121.5	<u>82.5</u> 121.7	121.9	122.0	122.2	122.4	122.6	122.8	123.0
Customers	115.9	121.5	121.7	121.9	122.0	122.2	122.4	122.0	122.8	125.0
Residential	9,671	9,671	9,692	9,712	9,733	9,753	9,774	9,795	9,816	9,837
Multi-Family	236	236	239	242	245	248	9,774 251	9,793 254	257	9,857 260
Commercial	399	399	402	404	407	410	412	254 415	418	421
MMRD	599 4	599 4	402	404	407	410	412	415	418	421
Fire	4 136	4 136	4 136	4 136	4 136	4 136	4 136	4 136	4 136	4 136
Other					465	465	465	465	465	
oulei	<u>465</u>	<u>465</u>	465	465						465
	10,911	10,911	10,937	10,963	10,989	11,016	11,042	11,069	11,095	11,122

Revenues	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	\$10,306,297	\$11,047,459	\$11,841,920	\$12,693,515	\$13,606,350	\$14,584,830	\$15,633,677	\$16,757,950	\$17,963,073	\$19,254,861
Multi-Family	\$2,272,614	\$2,467,537	\$2,679,180	\$2,908,975	\$3,158,480	\$3,429,385	\$3,723,526	\$4,042,895	\$4,389,657	\$4,766,161
Commercial	\$3,641,942	\$3,951,992	\$4,288,438	\$4,653,526	\$5,049,696	\$5,479,593	\$5,946,089	\$6,452,299	\$7,001,604	\$7,597,673
MMRD	\$509,580	\$546,614	\$586,339	\$628,951	\$674,660	\$723,691	\$776,286	\$832,702	\$893,219	\$958,134
Fire	\$283,028	\$304,354	\$327,287	\$351,948	\$378 <i>,</i> 467	\$406,985	\$437,651	\$470,628	\$506,090	\$544,224
Other	<u>\$323,459</u>	<u>\$346,101</u>	<u>\$370,328</u>	<u>\$396,251</u>	<u>\$423,988</u>	<u>\$453,667</u>	<u>\$485,424</u>	<u>\$519,404</u>	<u>\$555,762</u>	<u>\$594,665</u>
Total	\$17,336,918	\$18,664,057	\$20,093,492	\$21,633,166	\$23,291,642	\$25,078,152	\$27,002,652	\$29,075,877	\$31,309,404	\$33,715,717
Average Rate										
Residential	\$13.76	\$14.73	\$15.76	\$16.86	\$18.04	\$19.30	\$20.65	\$22.10	\$23.65	\$25.30
Multi-Family	\$10.67	\$11.41	\$12.21	\$13.07	\$13.98	\$14.96	\$16.01	\$17.13	\$18.33	\$19.61
Commercial	\$11.11	\$11.89	\$12.72	\$13.61	\$14.56	\$15.58	\$16.67	\$17.84	\$19.09	\$20.42
MMRD	\$11.41	\$12.20	\$13.06	\$13.97	\$14.95	\$16.00	\$17.12	\$18.31	\$19.60	\$20.97
Fire	\$354.89	\$379.73	\$406.31	\$434.76	\$465.19	\$497.75	\$532.59	\$569.88	\$609.77	\$652.45
Other	<u>\$8.43</u>	<u>\$9.02</u>	<u>\$9.65</u>	<u>\$10.33</u>	<u>\$11.05</u>	<u>\$11.82</u>	<u>\$12.65</u>	<u>\$13.54</u>	<u>\$14.49</u>	<u>\$15.50</u>
Total	\$12.62	\$13.50	\$14.43	\$15.43	\$16.50	\$17.65	\$18.87	\$20.18	\$21.58	\$23.08
CCF										
Residential	748,845	750,184	751,526	752,870	754,216	755,565	756,916	758,270	759,626	760,985
Multi-Family	213,053	216,193	219,379	222,613	225,894	229,223	232,602	236,030	239,509	243,039
Commercial	327,832	332,469	337,171	341,940	346,776	351,681	356,654	361,699	366,814	372,002
MMRD	44,679	44,791	44,903	45,015	45,127	45,240	45,353	45,467	45,580	45,694
Fire	798	801	806	810	814	818	822	826	830	834
Other	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>	<u>38,366</u>
Total	1,373,573	1,382,804	1,392,150	1,401,613	1,411,193	1,420,893	1,430,713	1,440,657	1,450,725	1,460,920
CCF per Customer										
Residential	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
Multi-Family	810.3	812.3	814.3	816.4	818.4	820.5	822.5	824.6	826.6	828.7
Commercial	774.4	780.3	786.1	792.0	797.9	803.9	810.0	816.0	822.2	828.3
MMRD	11,169.8	11,197.7	11,225.7	11,253.7	11,281.9	11,310.1	11,338.3	11,366.7	11,395.1	11,423.6
Fire	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.1	6.1	6.1
Other	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>	<u>82.5</u>
	123.2	123.8	124.3	124.9	125.5	126.1	126.7	127.3	127.9	128.5
Customers										
Residential	9,858	9,875	9,893	9,911	9,928	9,946	9,964	9,982	9,999	10,017
Multi-Family	263	266	269	273	276	279	283	286	290	293
Commercial	423	426	429	432	435	437	440	443	446	449
MMRD	4	4	4	4	4	4	4	4	4	4
Fire	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465
	11,149	11,172	11,196	11,220	11,244	11,268	11,292	11,316	11,340	11,365

Revenue Forecast

Revenues	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	\$20,639,546	\$22,194,735	\$23,867,109	\$25,665,495	\$27,599,390	\$29,679,004	\$31,915,317	\$34,320,137	\$36,906,159	\$39,687,038	\$42,677,456
Multi-Family	\$5,150,790	\$5,617,582	\$6,126,678	\$6,681,910	\$7,287,460	\$7,947,888	\$8,668,168	\$9,453,723	\$10,310,470	\$11,244,859	\$12,263,928
Commercial	\$8,183,114	\$8,857,735	\$9,587,972	\$10,378,410	\$11,234,013	\$12,160,151	\$13,162,642	\$14,247,778	\$15,422,373	\$16,693,803	\$18,070,050
MMRD	\$1,025,203	\$1,099,710	\$1,179,631	\$1,265,361	\$1,357,321	\$1,455,964	\$1,561,776	\$1,675,278	\$1,797,029	\$1,927,628	\$2,067,718
Fire	\$585,231	\$629,328	\$676,748	\$727,741	\$782,576	\$841,543	\$904,954	\$973,142	\$1,046,468	\$1,125,320	\$1,210,112
Other	<u>\$636,292</u>	<u>\$680,832</u>	<u>\$728,491</u>	<u>\$779,485</u>	<u>\$834,049</u>	<u>\$892,432</u>	<u>\$954,903</u>	<u>\$1,021,746</u>	<u>\$1,093,268</u>	<u>\$1,169,797</u>	<u>\$1,251,682</u>
Total	\$36,220,176	\$39,079,923	\$42,166,628	\$45,498,401	\$49,094,808	\$52,976,983	\$57,167,759	\$61,691,803	\$66,575,767	\$71,848,444	\$77,540,948
Average Rate											
Residential	\$27.07	\$28.97	\$31.00	\$33.17	\$35.49	\$37.97	\$40.63	\$43.47	\$46.52	\$49.77	\$53.26
Multi-Family	\$20.98	\$22.45	\$24.02	\$25.71	\$27.51	\$29.43	\$31.49	\$33.69	\$36.05	\$38.58	\$41.28
Commercial	\$21.85	\$23.38	\$25.02	\$26.77	\$28.65	\$30.65	\$32.80	\$35.09	\$37.55	\$40.18	\$42.99
MMRD	\$22.44	\$24.01	\$25.69	\$27.49	\$29.41	\$31.47	\$33.67	\$36.03	\$38.55	\$41.25	\$44.14
ire	\$698.12	\$746.99	\$799.28	\$855.23	\$915.10	\$979.15	\$1,047.69	\$1,121.03	\$1,199.50	\$1,283.47	\$1,373.31
Other	<u>\$16.58</u>	<u>\$17.75</u>	<u>\$18.99</u>	<u>\$20.32</u>	<u>\$21.74</u>	<u>\$23.26</u>	<u>\$24.89</u>	<u>\$26.63</u>	<u>\$28.50</u>	<u>\$30.49</u>	<u>\$32.62</u>
Fotal	\$24.69	\$26.40	\$28.24	\$30.20	\$32.29	\$34.54	\$36.94	\$39.50	\$42.24	\$45.18	\$48.32
CCF											
Residential	762,345	766,157	769,988	773,838	777,707	781,596	785,504	789,431	793,378	797,345	801,332
Aulti-Family	245,469	250,201	255,024	259,940	264,950	270,057	275,263	280,569	285,977	291,490	297,109
Commercial	374,455	378,809	383,213	387,669	392,176	396,736	401,348	406,015	410,735	415,511	420,342
MMRD	45,694	45,809	45,923	46,038	46,153	46,268	46,384	46,500	46,616	46,733	46,850
ire	838	842	847	851	855	859	864	868	872	877	881
Other	<u>38,366</u>										
Total	1,467,168	1,480,184	1,493,361	1,506,701	1,520,207	1,533,882	1,547,729	1,561,749	1,575,946	1,590,321	1,604,879
CCF per Customer											
Residential	76.0	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.9
Aulti-Family	828.7	832.8	837.0	841.2	845.4	849.6	853.9	858.1	862.4	866.7	871.1
Commercial	828.3	832.5	836.6	840.8	845.0	849.2	853.5	857.7	862.0	866.3	870.7
MMRD	11,423.6	11,452.2	11,480.8	11,509.5	11,538.3	11,567.1	11,596.0	11,625.0	11,654.1	11,683.2	11,712.4
ire	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.5
Other	<u>82.5</u> 128.8	<u>82.5</u> 129.9	<u>82.5</u> 131.0	<u>82.5</u> 132.0	<u>82.5</u> 133.1	<u>82.5</u> 134.3	<u>82.5</u> 135.4	<u>82.5</u> 136.5	<u>82.5</u> 137.7	<u>82.5</u> 138.8	<u>82.5</u> 140.0
Customers	120.0	125.5	131.0	152.0	155.1	134.3	133.4	150.5	137.7	150.0	140.0
Residential	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035	10,035
Aulti-Family	296	300	305	309	313	318	322	327	332	336	341
Commercial	452	455	458	461	464	467	470	473	476	480	483
MMRD	4	4	4	4	4	4	4	4	4	4	4
ire	136	136	136	136	136	136	136	136	136	136	136
Other	465	465	465	465	465	465	465	465	465	465	465
	11,389	11,396	11,403	11,410	11,418	11,425	11,433	11,441	11,448	11,456	11,464

0.7%

-4% 2% 17% 2% 5% 0%

Customer Growth	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
CCF per Customer Growth								
Residential	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
Multi-Family	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total CCF Growth								
Residential	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%	-0.29%
Multi-Family	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%
Commercial	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%	1.67%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.36%	0.37%	0.38%	0.38%	0.39%	0.40%	0.41%	0.41%
Average Rate Increase								
Residential	5.8%	7.6%	7.4%	7.0%	7.0%	7.0%	7.0%	7.0%
Multi-Family	10.5%	10.3%	10.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Commercial	7.5%	10.4%	10.0%	7.0%	7.0%	7.0%	7.0%	7.0%
MMRD	7.4%	7.6%	7.4%	7.0%	7.0%	7.0%	7.0%	7.0%
Fire	7.4%	7.6%	7.4%	7.0%	7.0%	7.0%	7.0%	7.0%
Other	7.4%	7.6%	7.4%	7.0%	7.0%	7.0%	7.0%	7.0%

Shoreline Muncipal Water Utility - Updated Case N Revenue Forecast

Customer Growth	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Residential	0.21%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%
Multi-Family	1.21%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.24%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%	0.21%
CCF per Customer Growth										
Residential	-0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Commercial	1.00%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%
MMRD	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Fire	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total CCF Growth										
Residential	1.21%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%
Multi-Family	1.67%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%	1.41%
Commercial	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
MMRD	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	0.42%	0.67%	0.68%	0.68%	0.68%	0.69%	0.69%	0.70%	0.70%	0.70%
Average Rate Increase										
Residential	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Multi-Family	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Commercial	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
MMRD	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Fire	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Other	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%

Shoreline Muncipal Water Utility - Updated Case N Revenue Forecast

Customer Growth	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Residential	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family	1.00%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%	1.42%
Commercial	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%	0.66%
MMRD	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.21%	0.06%	0.06%	0.06%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
CCF per Customer Growth											
Residential	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Multi-Family	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Commercial	0.00%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
MMRD	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Fire	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total CCF Growth											
Residential	0.18%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Multi-Family	1.00%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%	1.93%
Commercial	0.66%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
MMRD	0.00%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Fire	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	0.43%	0.89%	0.89%	0.89%	0.90%	0.90%	0.90%	0.91%	0.91%	0.91%	0.92%
Average Rate Increase											
Residential	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Multi-Family	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Commercial	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
MMRD	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Fire	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Other	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Labor	\$2,252,048	\$2,400,683	\$2,559,128	\$2,728,030	\$2,908,080	\$3,100,014	\$3,304,615	\$3,522,719	\$3,755,219	\$4,003,063
Materials & Supplies	\$1,209,997	\$1,289,857	\$1,374,987	\$1,465,737	\$1,562,475	\$1,665,599	\$1,775,528	\$1,892,713	\$2,017,632	\$2,150,796
Employee Benefits	\$900,820	\$960,274	\$1,023,652	\$1,091,213	\$1,163,233	\$1,240,007	\$1,321,847	\$1,409,089	\$1,502,089	\$1,601,227
Administrative	\$2,005,870	\$2,138,258	\$2,279,383	\$2,429,822	\$2,590,190	\$2,761,143	\$2,943,378	\$3,137,641	\$3,344,726	\$3,565,478
Total	\$6,368,735	\$6,789,072	\$7,237,150	\$7,714,802	\$8,223,979	\$8,766,762	\$9,345,368	\$9,962,162	\$10,619,665	\$11,320,563

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Purchase Price	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598
Separation Cost B3	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051
Upfront Costs	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481
Total Initial Debt	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130
Amount Available for Cash CIP	\$442,241	\$955,056	\$1,516,904	\$2,132,191	\$2,805,704	\$3,542,648	\$4,348,679	\$5,229,940	\$6,193,106	\$7,245,428
Required CIP by Year	\$2,507,011	\$2,672,474	\$2,848,857	\$3,036,882	\$3,237,316	\$3,450,979	\$3,678,743	\$3,921,540	\$4,180,362	\$4,456,266
Required CIP Funded by Year	\$1,820,088	\$2,672,474	\$2,848,857	\$3,036,882	\$3,237,316	\$3,450,979	\$3,678,743	\$3,921,540	\$4,180,362	\$4,456,266
Mains Replacement - Equal Over 23 Years	\$2,623,878	\$2,797,054	\$2,981,659	\$3,178,449	\$3,388,226	\$3,611,849	\$3,850,231	\$4,104,346	\$4,375,233	\$4,663,999
Percent of Mains Funded for the Year	0%	0%	0%	0%	0%	3%	17%	32%	46%	60%
Mains Replacement - Amount Funded	\$0	\$0	\$0	\$0	\$0	\$91,670	\$669,936	\$1,308,400	\$2,012,744	\$2,789,163
Total CIP By Year	\$1,820,088	\$2,672,474	\$2,848,857	\$3,036,882	\$3,237,316	\$3,542,648	\$4,348,679	\$5,229,940	\$6,193,106	\$7,245,428
DSC	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.2	2.5	2.7
Surplus	\$0	\$0	\$0	\$0	\$0	\$91,670	\$669,936	\$1,308,400	\$2,012,744	\$2,789,163
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$1,820,088	\$2,672,474	\$2,848,857	\$3,036,882	\$3,237,316	\$3,542,648	\$4,348,679	\$5,229,940	\$6,193,106	\$7,245,428
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Annual C	0&M	Costs
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	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Labor	\$4,267,265	\$4,548,905	\$4,849,133	\$5,169,175	\$5,510,341	\$5,874,023	\$6,261,709	\$6,674,982	\$7,115,530	\$7,585,155	\$8,085,776
Materials & Supplies	\$2,292,748	\$2,444,069	\$2,605,378	\$2,777,333	\$2,960,637	\$3,156,039	\$3,364,338	\$3,586,384	\$3,823,085	\$4,075,409	\$4,344,386
Employee Benefits	\$1,706,908	\$1,819,563	\$1,939,655	\$2,067,672	\$2,204,138	\$2,349,611	\$2,504,686	\$2,669,995	\$2,846,215	\$3,034,065	\$3,234,313
Administrative	\$3,800,799	\$4,051,652	\$4,319,061	\$4,604,119	\$4,907,991	\$5,231,918	\$5,577,225	\$5,945,322	\$6,337,713	\$6,756,002	\$7,201,898
Total	\$12,067,720	\$12,864,190	\$13,713,226	\$14,618,299	\$15,583,107	\$16,611,592	\$17,707,957	\$18,876,682	\$20,122,543	\$21,450,631	\$22,866,372

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Purchase Price	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598	\$2,143,598
Separation Cost	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051	\$881,051
Upfront Costs	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481	\$1,230,481
Total Initial Debt	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130
Amount Available for Cash CIP	\$8,337,859	\$9,638,787	\$11,062,420	\$12,619,800	\$14,322,929	\$16,184,865	\$18,219,801	\$20,443,172	\$22,871,756	\$25,523,793	\$28,419,107
Required CIP by Year	\$4,750,379	\$5,063,904	\$5,398,122	\$5,754,398	\$6,134,188	\$6,539,045	\$6,970,622	\$7,430,683	\$7,921,108	\$8,443,901	\$9,001,199
Required CIP Funded by Year	\$4,750,379	\$5,063,904	\$5,398,122	\$5,754,398	\$6,134,188	\$6,539,045	\$6,970,622	\$7,430,683	\$7,921,108	\$8,443,901	\$9,001,199
Mains Replacement	\$4,971,823	\$5,299,963	\$5,649,760	\$6,022,645	\$6,420,139	\$6,843,868	\$7,295,564	\$7,777,071	\$8,290,358	\$8,837,521	\$9,420,798
Percent of Mains Funded	72%	86%	100%	114%	128%	141%	154%	167%	180%	193%	206%
Mains Replacement - Amount Fun	\$3,587,480	\$4,574,882	\$5,664,298	\$6,865,401	\$8,188,741	\$9,645,820	\$11,249,179	\$13,012,489	\$14,950,648	\$17,079,892	\$19,417,909
Total CIP By Year	\$8,337,859	\$9,638,787	\$11,062,420	\$12,619,800	\$14,322,929	\$16,184,865	\$18,219,801	\$20,443,172	\$22,871,756	\$25,523,793	\$28,419,107
DSC	3.0	3.3	3.6	4.0	4.4	4.8	5.3	5.8	6.4	7.0	7.7
Surplus	\$3,587,480	\$4,574,882	\$5,664,298	\$6,865,401	\$8,188,741	\$9,645,820	\$11,249,179	\$13,012,489	\$14,950,648	\$17,079,892	\$19,417,909
Percent CIP From Cash	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CIP From Cash	\$8,337,859	\$9,638,787	\$11,062,420	\$12,619,800	\$14,322,929	\$16,184,865	\$18,219,801	\$20,443,172	\$22,871,756	\$25,523,793	\$28,419,107
CIP From Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Shoreline Muncipal Water Utility - Updated Case N Wholesale Water Costs

Shoreline Load - 2011												
Peak Months	544,384	44%					<- Percentage sp	lit based on h	istoric usage			
Off-peak months	697,881	56%					<- Percentage sp	lit based on h	istoric usage			
Total	1,242,265											
Shoreline Load - 2020												
Peak Months	601,926	44%					<- Using historic	%'s, and 2020	projection of water use			
Off-peak months	771,647	56%					<- Using historic	%'s, and 2020	projection of water use			
Total	1,373,573						<- Based on 2020) CCF water us	sage projection			
Contract Amount												
Peak Months	695,224	44%					<- Based on same	e % split from	2011 loads			
Off-peak months	891,252	56%					<- Based on same	e % split from	2011 loads			
Total	1,586,476						<- Assumed from	2020 Load; ir	ncludes 10% adder and 5% for losses			
Wholesale Water Cost	2014	2015	2016	2017	2018	2019						
Peak Months	\$1,578,159						- Sased on Cont	tract Amount a	and SPU System Baseline Rates			
Off-peak months	\$1,363,615						<- Based on Cont	tract Amount a	and SPU System Baseline Rates			
Total	\$2,941,775	\$3,100,710	\$3,268,470	\$3,445,556	\$3,632,503	\$3,829,875	<- Forecast increased by Inflation, SPU escalation, and change in Total Revenues					
Wholesale Rates												
Wholesale Nates	2011	2011	2012	2012	2013	2013	2014	2014				
Rates per ccf	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak	Off-peak	Peak				
System Baseline Rates	\$1.29	\$1.91	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast			
Change from prior year	<i>41.2</i>	<i>Q</i> 1.91	18%	18%	1%	0%	0%	0%				
Transition discount	(\$0.13)	(\$0.12)				• / •	• / -					
Adjusted Wholesale Rate	\$1.16	\$1.79	\$1.52	\$2.25	\$1.53	\$2.26	\$1.53	\$2.27	<- SPU Forecast			
Change from prior year	<i>+</i>	<i>,</i>	31%	26%	1%	0%	0%	0%				
Interim Growth Charge	\$0.60	\$0.60										
Subregional Surcharge Rates												
Southwest	\$0.05	\$0.05	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.07				
East Segment 3	\$0.05	\$0.05	\$0.15	\$0.15	\$0.16	\$0.16	\$0.16	\$0.16				
East Segment 4	\$0.07	\$0.07	\$0.18	\$0.18	\$0.19	\$0.19	\$0.19	\$0.19				
ERU Fee (\$/ERU)	\$783	\$783	\$783	\$783	\$783	\$783	\$TBD	\$TBD				

Shoreline Muncipal Water Utility - Updated Case N Budget Summary

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenues										
Rate Revenues (includes taxes)	\$17,336,918	\$18,664,057	\$20,093,492	\$21,633,166	\$23,291,642	\$25,078,152	\$27,002,652	\$29,075,877	\$31,309,404	\$33,715,717
Use of Facilities Charges	\$83,373	\$89,210	\$95,454	\$102,136	\$109,286	\$116,936	\$125,121	\$133,880	\$143,251	\$153,279
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$17,420,292	\$18,753,266	\$20,188,946	\$21,735,302	\$23,400,927	\$25,195,088	\$27,127,773	\$29,209,757	\$31,452,656	\$33,868,996
Expenses										
•	ć4 442 007		¢4.062.650	ĆF 247 2F7	CE E 47 270	¢F 964 679	¢C 200 474		¢6 021 640	67 220 269
Wholesale Water Supply	\$4,442,097	\$4,695,549	\$4,963,650	\$5,247,257	\$5,547,279	\$5,864,678	\$6,200,474	\$6,555,746	\$6,931,640	\$7,329,368
Non-Supply O&M	\$6,368,735	\$6,789,072	\$7,237,150	\$7,714,802	\$8,223,979	\$8,766,762	\$9,345,368	\$9,962,162	\$10,619,665	\$11,320,563
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$871,874	\$938,615	\$1,010,502	\$1,087,932	\$1,171,337	\$1,261,180	\$1,357,963	\$1,462,226	\$1,574,550	\$1,695,563
City of Shoreline Tax Expense (franchise fee)	\$1,040,215	\$1,119,843	\$1,205,610	\$1,297,990	\$1,397,499	\$1,504,689	\$1,620,159	\$1,744,553	\$1,878,564	\$2,022,943
Total Operating Expenses	\$12,722,921	\$13,543,080	\$14,416,912	\$15,347,981	\$16,340,093	\$17,397,309	\$18,523,964	\$19,724,687	\$21,004,420	\$22,368,438
Net Operating Funds	\$4,697,371	\$5,210,186	\$5,772,034	\$6,387,321	\$7,060,834	\$7,797,778	\$8,603,809	\$9,485,070	\$10,448,236	\$11,500,558
Debt Service Coverage Ratio	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.2	2.5	2.7
Debt payments - Initial	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130
Net Cash Flow before CIP	\$442,241	\$955,056	\$1,516,904	\$2,132,191	\$2,805,704	\$3,542,648	\$4,348,679	\$5,229,940	\$6,193,106	\$7,245,428
Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$1,820,088	\$2,672,474	\$2,848,857	\$3,036,882	\$3,237,316	\$3,450,979	\$3,678,743	\$3,921,540	\$4,180,362	\$4,456,266
Total Expenses (with Debt & CIP)	\$18,798,139	\$20,470,683	\$21,520,899	\$22,639,993	\$23,832,539	\$25,103,418	\$26,457,837	\$27,901,357	\$29,439,911	\$31,079,833
Net Revenue - Available for Mains Replacement	\$0	\$0	\$0	\$0	\$0	\$91,670	\$669,936	\$1,308,400	\$2,012,744	\$2,789,163
Net Revenue as Percent of Total Revenue	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	2.5%	4.5%	6.4%	8.2%
Target Mains Replacement per Year	\$2,623,878	\$2,797,054	\$2,981,659	\$3,178,449	\$3,388,226	\$3,611,849	\$3,850,231	\$4,104,346	\$4,375,233	\$4,663,999
Cumulative Mains Replacement	\$0	\$0	\$0	\$0	\$0	\$91,670	\$761,606	\$2,070,005	\$4,082,749	\$6,871,912
Percent Total Mains Replacement Funded	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.7%	1.8%	3.6%	6.1%

Shoreline Muncipal Water Utility - Updated Case N Budget Summary

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Revenues											
Rate Revenues (includes taxes)	\$36,220,176	\$39,079,923	\$42,166,628	\$45,498,401	\$49,094,808	\$52,976,983	\$57,167,759	\$61,691,803	\$66,575,767	\$71,848,444	\$77,540,948
Use of Facilities Charges	\$164,008	\$175,489	\$187,773	\$200,917	\$214,981	\$230,030	\$246,132	\$263,361	\$281,797	\$301,522	\$322,629
Misc. Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City of Shoreline Tax Revenue (franchise fee)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$36,384,184	\$39,255,411	\$42,354,401	\$45,699,318	\$49,309,790	\$53,207,013	\$57,413,891	\$61,955,164	\$66,857,563	\$72,149,967	\$77,863,576
Expenses											
Wholesale Water Supply	\$7,728,752	\$8,187,181	\$8,673,067	\$9,188,071	\$9,733,957	\$10,312,596	\$10,925,971	\$11,576,192	\$12,265,493	\$12,996,248	\$13,770,976
Non-Supply O&M	\$12,067,720	\$12,864,190	\$13,713,226	\$14,618,299	\$15,583,107	\$16,611,592	\$17,707,957	\$18,876,682	\$20,122,543	\$21,450,631	\$22,866,372
Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pumping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Customer Service incl. meter reading	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Administrative & General	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Tax Expense	\$1,821,513	\$1,965,329	\$2,120,560	\$2,288,115	\$2,468,978	\$2,664,212	\$2,874,967	\$3,102,481	\$3,348,095	\$3,613,258	\$3,899,534
City of Shoreline Tax Expense (franchise fee)	\$2,173,211	\$2,344,795	\$2,529,998	\$2,729,904	\$2,945,689	\$3,178,619	\$3,430,066	\$3,701,508	\$3,994,546	\$4,310,907	\$4,652,457
Total Operating Expenses	\$23,791,195	\$25,361,495	\$27,036,850	\$28,824,389	\$30,731,730	\$32,767,019	\$34,938,960	\$37,256,863	\$39,730,677	\$42,371,043	\$45,189,339
Net Operating Funds	\$12,592,989	\$13,893,916	\$15,317,550	\$16,874,930	\$18,578,059	\$20,439,994	\$22,474,931	\$24,698,302	\$27,126,886	\$29,778,923	\$32,674,237
Debt Service Coverage Ratio	3.0	3.3	3.6	4.0	4.4	4.8	5.3	5.8	6.4	7.0	7.7
Debt payments - Initial	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130	\$4,255,130
Net Cash Flow before CIP	\$8,337,859	\$9,638,787	\$11,062,420	\$12,619,800	\$14,322,929	\$16,184,865	\$18,219,801	\$20,443,172	\$22,871,756	\$25,523,793	\$28,419,107
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Debt payments - CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cash Funded CIP - Ongoing	\$4,750,379	\$5,063,904	\$5,398,122	\$5,754,398	\$6,134,188	\$6,539,045	\$6,970,622	\$7,430,683	\$7,921,108	\$8,443,901	\$9,001,199
Total Expenses	\$32,796,704	\$34,680,529	\$36,690,102	\$38,833,917	\$41,121,049	\$43,561,194	\$46,164,712	\$48,942,675	\$51,906,915	\$55,070,074	\$58,445,668
Net Revenue - Available for Mains Replacement	\$3,587,480	\$4,574,882	\$5,664,298	\$6,865,401	\$8,188,741	\$9,645,820	\$11,249,179	\$13,012,489	\$14,950,648	\$17,079,892	\$19,417,909
Net Revenue - Available for Mains Replacement	9.9%	11.7%	13.4%	15.0%	16.6%	18.1%	19.6%	21.0%	22.4%	23.7%	24.9%
Target Mains Replacement per Year	\$4,971,823	\$5,299,963	\$5,649,760	\$6,022,645	\$6,420,139	\$6,843,868	\$7,295,564	\$7,777,071	\$8,290,358	\$8,837,521	\$9,420,798
Cumulative Mains Replacement	\$10,459,392	\$15,034,274	\$20,698,572	\$27,563,974	\$35,752,714	\$45,398,534	\$56,647,713	\$69,660,202	\$84,610,850	\$101,690,743	\$121,108,651
Percent Total Mains Replacement Funded	9.3%	13.4%	18.4%	24.5%	31.8%	40.4%	50.4%	62.0%	75.3%	90.5%	107.7%
	5.570	10/0	10/	2	51.070		00/0	02.070	, 5.570	50.570	10/0