City of Kalama Stormwater Rate Study Summary of the Revenue Requirement Exhibit 1

	Budget					Projec	ted				
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Revenues											
Total Rate Revenues	\$120,002	\$122,402	\$124,850	\$127,348	\$129,894	\$132,492	\$135,142	\$137,845	\$140,602	\$143,414	\$146,282
Total Miscellaneous Revenue	500	510	520	531	541	552	563	574	586	598	609
Total Revenues	\$120,502	\$122,912	\$125,371	\$127,878	\$130,436	\$133,044	\$135,705	\$138,419	\$141,188	\$144,012	\$146,892
Expenses											
Total O&M	\$60,000	\$81,975	\$84,665	\$87,444	\$90,315	\$93,280	\$96,343	\$99,508	\$102,776	\$106,152	\$109,640
Taxes & Transfers	1,800	1,836	1,873	1,910	1,948	1,987	2,027	2,068	2,109	2,151	2,194
Rate Funded Capital	0	10,000	100,000	0	70,000	75,000	80,000	95,000	100,000	105,000	110,000
Net Debt Service	70,027	70,027	70,027	0	. 0	0	0	0	, 0	, 0	, 0
Reserve Funding	(11,325)	(29,470)	(106,714)	77,786	24,182	37,734	40,080	32,850	36,070	39,762	43,953
Total Revenue Requirement	\$120,502	\$134,369	\$149,852	\$167,140	\$186,445	\$208,002	\$218,450	\$229,426	\$240,955	\$253,065	\$265,787
Total Revenue Requirement	\$120,502	\$134,303	\$143,63Z	\$167,140	\$100,445	\$200,002	\$210,450	3223,420	3240,333	\$255,005	\$205,767
Bal./(Def.) of Funds Before Add'l Tax	\$0	(\$11,456)	(\$24,481)	(\$39,262)	(\$56,010)	(\$74,958)	(\$82,745)	(\$91,006)	(\$99,767)	(\$109,054)	(\$118,896)
Plus: Add'l Taxes with Rate Adj.	0	(172)	(367)	(589)	(840)	(1,124)	(1,241)	(1,365)	(1,497)	(1,636)	(1,783)
Bal./(Def.) of Funds With Added Tax	\$0	(\$11,628)	(\$24,848)	(\$39,851)	(\$56,850)	(\$76,082)	(\$83,986)	(\$92,371)	(\$101,263)	(\$110,690)	(\$120,679)
Bal. as a % of Rate Adj. Req'd	0.0%	9.5%	19.9%	31.3%	43.8%	57.4%	62.1%	67.0%	72.0%	77.2%	82.5%
Proposed Rate Adjustment	0.0%	9.5%	9.5%	9.5%	9.5%	9.5%	3.0%	3.0%	3.0%	3.0%	3.0%
Add'l Revenue with Proposed Rate Adj.	\$0	\$11,628	\$24,848	\$39,851	\$56,850	\$76,082	\$83,986	\$92,371	\$101,263	\$110,690	\$120,679
Bal./(Def.) After Proposed Rate Adj.	\$0	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Additional Rate Adjustment Required	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average Residential Customer Bill	\$5.60 (1 ESU)									
Customer Bill on Proposed Adj.	\$5.60	\$6.13	\$6.71	\$7.35	\$8.05	\$8.82	\$9.08	\$9.35	\$9.63	\$9.92	\$10.22
Bill Difference - Monthly		0.53	0.58	0.64	0.70	0.76	0.26	0.27	0.28	0.29	0.30
Cumulative Bill Difference		0.53	1.11	1.75	2.45	3.22	3.48	3.75	4.03	4.32	4.62
Debt Service Coverage Ratio (all debt, includi	ing tayes)										
Before Rate Adjustment	ing taxes,	0.56	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
After Proposed Rate Adjustment		0.72	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ending Reserve Fund Balance	(\$19,325)	(\$63,747)	(\$165,295)	(\$82,226)	(\$52,627)	(\$9,340)	\$36,552	\$75,522	\$118,037	\$164,593	\$215,714

City of Kalama Stormwater Rate Study Escalation Factors Exhibit 2

	Budget											
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Notes
evenues								A Y				
Customer Growth	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	
Flat	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	
xpenses												
Salaries	Budget	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Benefits	Budget	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	
Materials & Supplies	Budget	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Equipment	Budget	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	
Miscellaneous	Budget	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	
Utilities	Budget	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	
General Expense	Budget	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	
Flat	Budget	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
nterest	0.7%	0.7%	0.8%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	
lew Debt Service												
Low Interest Loans												
Term in Years	20	20	20	20	20	20	20	20	20	20	20	
Rate	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	
Revenue Bond												
Term in Years	20	20	20	20	20	20	20	20	20	20	20	
Rate	4.5%	4.6%	4.7%	4.8%	4.9%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	

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	Budget					Projec	ted					
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Notes
Revenue								A Y				
Rate Revenues												
Single Family	\$73,248	\$74,713	\$76,207	\$77,731	\$79,286	\$80,872	\$82,489	\$84,139	\$85,822	\$87,538	\$89,289	As Customer Growth
Multi Family	31,315	31,942	32,580	33,232	33,897	34,575	35,266	35,971	36,691	37,425	38,173	As Customer Growth
Commercial	15,439	15,748	16,063	16,384	16,712	17,046	17,387	17,735	18,089	18,451	18,820	As Customer Growth
Total Rate Revenues	\$120,002	\$122,402	\$124,850	\$127,348	\$129,894	\$132,492	\$135,142	\$137,845	\$140,602	\$143,414	\$146,282	
Other Revenues												
Special Assessments	\$500	\$510	\$520	\$531	\$541	\$552	\$563	\$574	\$586	\$598	\$609	As Customer Growth
Total Miscellaneous Revenue	\$500	\$510	\$520	\$531	\$541	\$552	\$563	\$574	\$586	\$598	\$609	
Total Revenue	\$120,502	\$122,912	\$125,371	\$127,878	\$130,436	\$133,044	\$135,705	\$138,419	\$141,188	\$144,012	\$146,892	
Expenses												
Storm Drainage - Salaries	\$15,000	\$15,450	\$15,914	\$16,391	\$16,883	\$17,389	\$17,911	\$18,448	\$19,002	\$19,572	\$20,159	As Salaries
Overtime Earnings	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048	13,439	As Salaries
Storm Drainage - Benefits	8,000	8,280	8,570	8,870	9,180	9,501	9,834	10,178	10,534	10,903	11,285	As Benefits
Supplies	2,000	2,070	2,142	2,217	2,295	2,375	2,459	2,545	2,634	2,726	2,821	As Benefits
Fuel Costs	0	0	0	0	0	0	0	0	0	0	0	As Benefits
Professional Services - Contracted	25,000	25,875	26,781	27,718	28,688	29,692	30,731	31,807	32,920	34,072	35,265	As Benefits
Compliance	0	20,000	20,650	21,321	22,014	22,730	23,468	24,231	25,018	25,832	26,671	As General Expense
Total Expenses	\$60,000	\$81,975	\$84,665	\$87,444	\$90,315	\$93,280	\$96,343	\$99,508	\$102,776	\$106,152	\$109,640	
Total Operations & Maintenance	\$60,000	\$81,975	\$84,665	\$87,444	\$90,315	\$93,280	\$96,343	\$99,508	\$102,776	\$106,152	\$109,640	
			· · · · · · · · · · · · · · · · · · ·									
Taxes & Transfers												
State Utility Tax	\$1,800	\$1,836	\$1,873	\$1,910	\$1,948	\$1,987	\$2,027	\$2,068	\$2,109	\$2,151	\$2,194	Calculated at 1.5% of rate rev
Total Taxes & Transfers	\$1,800	\$1,836	\$1,873	\$1,910	\$1,948	\$1,987	\$2,027	\$2,068	\$2,109	\$2,151	\$2,194	
Rate Funded Capital	\$0	\$10,000	\$100,000	\$0	\$70,000	\$75,000	\$80,000	\$95,000	\$100,000	\$105,000	\$110,000	

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	Budget	Projected										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Not
ebt Service												
Interfund Loan	\$70,027	\$70,027	\$70,027	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Debt Schedule
New Low Interest Loans	0	0	0	0	0	0	0	0	0	0	0	Calculated
New Revenue Bonds	0	0	0	0	0	0	0	0	0	0	0	Calculated
Total Debt Service	\$70,027	\$70,027	\$70,027	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Facility Fee Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
let Debt Service	\$70,027	\$70,027	\$70,027	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
eserve Funding												
Fund 403 - Operating Reserve	(\$11,325)	(\$29,470)	(\$106,714)	\$77,786	\$24,182	\$37,734	\$40,080	\$32,850	\$36,070	\$39,762	\$43,953	
Capital Reserve	0	0	0	0	0	0	0	0	0	0	0	
Total Reserve Funding	(\$11,325)	(\$29,470)	(\$106,714)	\$77,786	\$24,182	\$37,734	\$40,080	\$32,850	\$36,070	\$39,762	\$43,953	
otal Revenue Requirement	\$120,502	\$134,369	\$149,852	\$167,140	\$186,445	\$208,002	\$218,450	\$229,426	\$240,955	\$253,065	\$265,787	
2 1 1/2 () (5 1 2 6 1 1 1 1 1 1	40	(444.456)	(40.4.404)	(400.050)	(456.010)	(474.050)	(400 745)	(404.005)	(400 767)	(4100.054)	(4440.005)	
Bal./(Def.) of Funds Before Add'l Tax Plus: Add'l Taxes with Rate Adj.	\$0 0	(\$11,456) (172)	(\$24,481) (367)	(\$39,262)	(\$56,010) (840)	(\$74,958)	(\$82,745)	(\$91,006)	(\$99,767)	(\$109,054)	(\$118,896) (1,783)	
Plus. Add i Taxes with Rate Adj.		(1/2)	(307)	(589)	(840)	(1,124)	(1,241)	(1,365)	(1,497)	(1,636)	(1,765)	
Bal./(Def.) of Funds With Added Tax	\$0	(\$11,628)	(\$24,848)	(\$39,851)	(\$56,850)	(\$76,082)	(\$83,986)	(\$92,371)	(\$101,263)	(\$110,690)	(\$120,679)	
Bal. as a % of Rate Adj. Req'd	0.0%	9.5%	19.9%	31.3%	43.8%	57.4%	62.1%	67.0%	72.0%	77.2%	82.5%	
roposed Rate Adjustment	0.0%	9.5%	9.5%	9.5%	9.5%	9.5%	3.0%	3.0%	3.0%	3.0%	3.0%	
Months of Adjustment	12	12	12	12	12	12	12	12	12	12	12	
Add'l Revenue with Proposed Rate Adj.	\$0	\$11,628	\$24,848	\$39,851	\$56,850	\$76,082	\$83,986	\$92,371	\$101,263	\$110,690	\$120,679	
Bal./(Def.) After Proposed Rate Adj.	\$0	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
dditional Rate Adjustment Required	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

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	Budget	Projected										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Notes
Average Residential Customer Bill	\$5.60	(1 ESU)										
Customer Bill on Proposed Adj.	\$5.60	\$6.13	\$6.71	\$7.35	\$8.05	\$8.82	\$9.08	\$9.35	\$9.63	\$9.92	\$10.22	
Bill Difference - Monthly		0.53	0.58	0.64	0.70	0.76	0.26	0.27	0.28	0.29	0.30	
Cumulative Bill Difference		0.53	1.11	1.75	2.45	3.22	3.48	3.75	4.03	4.32	4.62	
Debt Service Coverage Ratio (all debt, inclu	uding taxes)											
Before Rate Adjustment		0.56	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
After Proposed Rate Adjustment		0.72	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Reserve Funds												
Beginning Fund Balance	\$62,000	(\$19,325)	(\$63,747)	(\$165,295)	(\$82,226)	(\$52,627)	(\$9,340)	\$36,552	\$75,522	\$118,037	\$164,593	
Fund 403 - Operating Reserve												
Beginning Balance	\$62,000	(\$19,325)	(\$48,795)	(\$155,508)	(\$77,723)	(\$53,541)	(\$15,806)	\$24,395	\$57,531	\$94,069	\$134,500	
Plus: To Reserve Fund	0	0	0	77,786	24,182	37,734	40,080	32,850	36,070	39,762	43,953	
Plus: Interfund Loan Proceeds	0	0	0	0	0	0	0	0	0	0	0	
Interest	0	0	0	0	0	0	121	286	468	669	892	
Less: Uses of Funds	(81,325)	(29,470)	(106,714)	0	0	0	0	0	0	0	0	
Ending Balance	(\$19,325)	(\$48,795)	(\$155,508)	(\$77,723)	(\$53,541)	(\$15,806)	\$24,395	\$57,531	\$94,069	\$134,500	\$179,345	
Target: 90 days of O&M Expenses	\$14,795	\$20,213	\$20,876	\$21,562	\$22,269	\$23,001	\$23,756	\$24,536	\$25,342	\$26,175	\$27,035	
Capital Reserve												
Beginning Balance	\$0	\$0	(\$14,952)	(\$9,787)	(\$4,503)	\$914	\$6,466	\$12,158	\$17,990	\$23,968	\$30,093	
Plus: To Reserve Fund	0	0	0	0	0	0	0	0	0	0	0	
Plus: Connection Fees	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	6,095	As Customer Growth
Interest	0	(52)	(37)	(22)	5	32	60	90	119	150	181	
Less: Uses of Funds	(5,000)	(20,000)	0	0	0	0	0	0	0	0	0	
Ending Balance	\$0	(\$14,952)	(\$9,787)	(\$4,503)	\$914	\$6,466	\$12,158	\$17,990	\$23,968	\$30,093	\$36,369	
Ending Fund Balance	(\$19,325)	(\$63,747)	(\$165,295)	(\$82,226)	(\$52,627)	(\$9,340)	\$36,552	\$75,522	\$118,037	\$164,593	\$215,714	

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City of Kalama Stormwater Rate Study Capital Improvement Program Exhibit 4

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	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capital Improvement Projects											
Council Crest to Juniper - Storm Improv.	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unfunded											
Cedar St Evaluations - Camera / Jet	0	30,000	100,000	0	0	0	0	0	0	0	0
Comprehensive Drainage Plan	0	0	0	0	70,000	0	0	0	0	0	0
Total Capital Improvement Projects	\$75,000	\$30,000	\$100,000	\$0	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0
Future Unidentified Capital Projects	\$0	\$0	\$0	\$0	\$0	\$75,000	\$80,000	\$95,000	\$100,000	\$105,000	\$110,000
Transfer to Capital Reserves	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Improvement Projects	\$75,000	\$30,000	\$100,000	\$0	\$70,000	\$75,000	\$80,000	\$95,000	\$100,000	\$105,000	\$110,000
Other Funding Sources											
Fund 403 - Operating Reserve	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Reserve	5,000	20,000	0	0	0	0	0	0	0	0	0
New Low Interest Loans	0	0	0	0	0	0	0	0	0	0	0
New Revenue Bonds	0	0	0	0	0	0	0	0	0	0	0
Total Other Funding Sources	\$75,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rate Funded Capital	\$0	\$10,000	\$100,000	\$0	\$70,000	\$75,000	\$80,000	\$95,000	\$100,000	\$105,000	\$110,000

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		January	February	March	April	May	June	July	August	September	October	November	December	Total
Residential														
	\$ / ERU													
Single Family	\$5.60	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090
	Revenues	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$73,248
	\$ / ERU													
Multi Family	\$7 ERO \$5.60	466	466	466	466	466	466	466	466	466	466	466	466	466
	Revenues	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$2,610	\$31,315
	_										4			*
Total Residential I	Revenue	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$8,714	\$104,563
Non-Residential														
	\$ / ERU													
Commercial	\$5.60	230	230	230	230	230	230	230	230	230	230	230	230	230
	Revenues	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$15,439
Total Commercial	Revenue	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$15,439
													*	
Summary														
Customers Residential														
Single Family	# of ESUs	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090	1,090
Multi Family	# of ESUs	466	466	466	466	466	466	466	466	466	466	466	466	466
Non-Residential						4			V					
Commercial	# of ESUs	230	230	230	230	230	230	230	230	230	230	230	230	230
		1,786	1,786	1,786	1,786	1,786	1,786	1,786	1,786	1,786	1,786	1,786	1,786	1,786
Revenues Residential														
Single Family		\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$6,104	\$73,248
Multi Family		2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	31,315
Non-Residential Commercial		\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$1,287	\$15,439
commercial.		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$120,002
		\$10,000	710,000	710,000	\$10,000	710,000	\$10,000	710,000	710,000	710,000	710,000			
												CY	2019 Actual Difference Percent	\$100,626 \$19,376 19.3%
													2020 Budget <i>Difference Percent</i>	\$120,000 \$2 0.0%

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	Present	Proposed									
	Rates	2021	2022	2023	2024	2025					
All Customers - \$ / ESU	\$5.60	\$6.13	\$6.71	\$7.35	\$8.05	\$8.81					