

City of Homer
Water and Sewer Financial Plan
Water Revenue Requirement
Exhibit 4

	<i>Actual</i>					<i>Projected</i>					<i>Notes</i>	
	<i>Actual</i> CY 2019	<i>Actual</i> CY 2020	<i>Budget</i> CY 2021	<i>Budget</i> FY 2022	<i>Budget</i> FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029
CARMA Revenue (Input)	15.0%	0.0%	0.0%	0.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	
Revenues												
Rate Revenue - Water												
Meter Revenue	\$1,842,857	\$1,852,072	\$1,861,332	\$1,779,324	\$1,779,324	\$1,788,221	\$1,797,162	\$1,806,148	\$1,815,178	\$1,824,254	\$1,833,375	As Customer Growth
CARMA Revenue	276,429	0	0	0	0	266,899	268,233	269,574	270,922	272,277	273,638	275,006
Service Revenue	30,931	31,086	31,241	31,829	38,450	38,642	38,835	39,030	39,225	39,421	39,618	As Customer Growth
Total Rate Revenue - Water	\$2,150,217	\$1,883,157	\$1,892,573	\$1,811,153	\$2,084,673	\$2,095,096	\$2,105,571	\$2,116,099	\$2,126,680	\$2,137,313	\$2,148,000	
Miscellaneous Revenue - Water												
Penalties/Interest	\$6,855	\$579	\$6,207	\$5,065	\$2,487	\$2,499	\$2,512	\$2,524	\$2,537	\$2,550	\$2,563	As Miscellaneous Revenues
Connection Fees	17,738	17,655	17,032	17,211	16,911	16,996	17,081	17,166	17,252	17,338	17,425	As Customer Growth
Operating Grants and Contributions	38,101	0	0	0	0	0	0	0	0	0	0	As Flat
Hydrant Transfers	100,350	99,629	108,433	91,418	91,734	91,734	91,734	91,734	91,734	91,734	91,734	As Flat
Interest Income	105,161	127,748	36,968	89,573	84,500	84,500	84,500	84,500	84,500	84,500	84,500	As Flat
Total Miscellaneous Revenue - Water	\$268,205	\$245,611	\$168,640	\$203,267	\$195,632	\$195,729	\$195,826	\$195,924	\$196,023	\$196,122	\$196,221	
Total Revenue	\$2,418,422	\$2,128,768	\$2,061,213	\$2,014,420	\$2,280,305	\$2,290,825	\$2,301,398	\$2,312,024	\$2,322,703	\$2,333,435	\$2,344,221	
Expenses												
Salaries and Benefits Expenses - Water												
Salary and Wages	\$542,757	\$562,408	\$620,652	\$562,462	\$581,145	\$601,485	\$622,537	\$644,326	\$666,877	\$690,218	\$714,376	As Labor
Fringe Benefits	345,883	337,094	363,966	362,296	388,998	412,338	437,078	463,303	491,101	520,567	551,801	As Benefits - Medical
Part-time Wages	1,371	0	0	0	0	0	0	0	0	0	0	As Labor
Part-time Benefits	170	0	0	0	0	0	0	0	0	0	0	As Benefits - Other
Overtime	34,782	35,796	41,019	42,453	42,662	44,155	45,701	47,300	48,956	50,669	52,442	As Labor
Part-time Overtime	9	0	0	0	0	0	0	0	0	0	0	As Labor
Unemployment Benefits	972	0	0	0	0	0	0	0	0	0	0	As Benefits - Other
PERS Relief	38,101	0	0	0	0	0	0	0	0	0	0	As Benefits - Other
Total Salaries and Benefits - Water	\$964,045	\$935,298	\$1,025,637	\$967,211	\$1,012,805	\$1,057,978	\$1,105,316	\$1,154,929	\$1,206,934	\$1,261,454	\$1,318,619	
Maintenance and Operations Expenses - Water												
Office Supplies	(\$698)	\$1,027	\$1,750	\$1,750	\$1,750	\$1,803	\$1,857	\$1,912	\$1,970	\$2,029	\$2,090	As Materials & Supplies
Operating Supplies	151,448	89,034	126,250	133,750	133,750	137,763	141,895	146,152	150,537	155,053	159,704	As Materials & Supplies
Fuel and Lube	21,894	28,297	26,600	26,600	26,600	27,398	28,220	29,067	29,939	30,837	31,762	As Materials & Supplies
Chemicals	116,335	127,941	160,000	135,000	150,000	154,500	159,135	163,909	168,826	173,891	179,108	As Materials & Supplies
Vehicle and Boat Maintenance	472	249	500	500	500	520	541	562	585	608	633	As Equipment
Equipment Maintenance	37,423	33,571	33,550	40,350	40,350	41,964	43,643	45,388	47,204	49,092	51,056	As Equipment
Building & Grounds Maintenance	5,701	6,489	7,700	7,700	7,700	7,893	8,090	8,292	8,499	8,712	8,930	As Miscellaneous
Professional Services	54,617	59,936	47,500	65,500	77,500	80,213	83,020	85,926	88,933	92,046	95,267	As Labor
Audit Services	17,121	7,027	17,469	18,343	19,260	19,934	20,632	21,354	22,101	22,875	23,675	As Labor
Survey and Appraisal	1,100	1,150	1,200	1,200	1,200	1,242	1,285	1,330	1,377	1,425	1,475	As Labor
Communications	8,937	13,086	8,000	9,000	9,000	9,315	9,641	9,978	10,328	10,689	11,063	As Labor
Freight and Postage	70	417	500	500	500	513	525	538	552	566	580	As Miscellaneous
Electricity	175,988	201,163	219,077	190,434	209,477	216,809	224,397	232,251	240,380	248,793	257,501	As Electricity
Property Insurance	11,705	14,088	13,936	8,276	9,104	9,468	9,847	10,241	10,650	11,076	11,519	As Insurance
Auto Insurance	10,531	11,186	12,046	11,343	12,477	12,976	13,495	14,035	14,596	15,180	15,787	As Insurance
Liability Insurance	1,526	1,519	3,364	5,207	5,728	5,957	6,195	6,443	6,701	6,969	7,248	As Insurance
Testing and Analysis	12,526	16,459	17,000	17,000	17,000	17,595	18,211	18,848	19,508	20,191	20,897	As Labor
Advertising	1,083	0	750	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	As Miscellaneous
Tools and Equipment	10,417	8,563	8,400	9,400	9,400	9,776	10,167	10,574	10,997	11,437	11,894	As Equipment
Computer Related Items	74	0	750	750	750	780	811	844	877	912	949	As Equipment
Record and Permits	150	150	250	250	250	256	263	269	276	283	290	As Miscellaneous
Membership Dues	588	944	1,000	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	As Miscellaneous
Transportation	961	0	800	800	800	820	841	862	883	905	928	As Miscellaneous
Subsistence	419	35	350	750	750	769	788	808	828	849	870	As Miscellaneous
Credit Card Expenses	17,128	17,868	25,000	25,000	25,000	25,625	26,266	26,922	27,595	28,285	28,992	As Miscellaneous
Safety Equipment	1,793	1,331	1,700	1,900	1,900	1,976	2,055	2,137	2,223	2,312	2,404	As Equipment
Employee Training	5,783	1,051	5,200	5,200	5,200	5,382	5,570	5,765	5,967	6,176	6,392	As Labor
Bad Debt Expenses	13,455	576	12,000	12,000	12,000	12,300	12,608	12,923	13,246	13,577	13,916	As Miscellaneous

City of Homer
Water and Sewer Financial Plan
Water Revenue Requirement
Exhibit 4

	Actual	Actual	Budget	Budget	Budget	Projected						Notes
	CY 2019	CY 2020	CY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	
Total Maintenance and Operations Water	\$678,546	\$643,157	\$752,642	\$730,503	\$779,946	\$805,595	\$832,098	\$859,485	\$887,785	\$917,029	\$947,250	
C/O and Transfer Expenses - Water												
Transfers To	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	As Miscellaneous
Debt Repayment - Principal	0	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
Debt Repayment - Interest	0	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
GF Admin Fees	290,905	292,014	303,587	302,008	312,711	320,529	328,542	336,756	345,174	353,804	362,649	As Miscellaneous
Leave Cash Out	0	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
Total Salaries and Benefits - Water	\$290,905	\$292,014	\$303,587	\$302,008	\$312,711	\$320,529	\$328,542	\$336,756	\$345,174	\$353,804	\$362,649	
Total Operations & Maintenance	\$1,933,496	\$1,870,469	\$2,081,866	\$1,999,722	\$2,105,462	\$2,184,102	\$2,265,956	\$2,351,169	\$2,439,893	\$2,532,287	\$2,628,518	
Taxes												
State Taxes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
City Taxes	0	0	0	0	0	0	0	0	0	0	0	
Total Taxes and Transfers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Rate Funded Capital	\$406,754	\$25,620	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	2019 Depr. Exp. = \$1,034,155
Debt Service												
ADWF #409041 - Water Ext	\$158,101	\$155,954	\$153,808	\$151,662	\$149,516	\$147,370	\$145,224	\$0	\$0	\$0	\$0	Debt Schedule
ADWF #409271 - KODPHH - Water	117,831	117,831	117,832	117,832	117,832	117,832	117,832	117,832	117,832	117,832	117,832	Debt Schedule
ADWF #409131 - Water TP	424,062	418,602	413,142	407,682	402,222	396,762	391,302	385,842	380,382	374,922	369,462	Debt Schedule
ADWF #409091 - Water Distribution	4,776	4,776	4,776	4,776	4,776	4,776	4,776	4,776	4,776	4,776	4,776	Debt Schedule
Total Debt Service	\$704,770	\$697,163	\$689,558	\$681,952	\$674,346	\$666,740	\$659,134	\$508,450	\$502,990	\$497,530	\$492,070	
Less: Debt Service Funding												
HAWSP Funding	\$704,770	\$697,163	\$689,558	\$681,952	\$674,346	\$666,740	\$659,134	\$508,450	\$502,990	\$497,530	\$492,070	
Rate Related Funding	0	0	0	0	0	0	0	0	0	0	0	
Total Less Debt Service Funding	\$704,770	\$697,163	\$689,558	\$681,952	\$674,346	\$666,740	\$659,134	\$508,450	\$502,990	\$497,530	\$492,070	
Net Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Reserve Funding												
Transfer to Water Operating	(\$6,080)	\$151,439	(\$20,653)	\$69,033	\$34,901	\$32,762	\$30,136	\$26,972	\$23,220	\$18,822	\$13,719	
Transfer to CARMA	84,252	81,240	0	0	266,899	268,233	269,574	270,922	272,277	273,638	275,006	
Transfer to HAWSP	0	0	0	0	0	0	0	0	0	0	0	
Total Reserve Funding	\$78,172	\$232,679	(\$20,653)	\$69,033	\$301,799	\$300,995	\$299,710	\$297,894	\$295,496	\$292,460	\$288,725	
Total Revenue Requirement	\$2,418,422	\$2,128,768	\$2,061,213	\$2,068,755	\$2,407,261	\$2,485,097	\$2,565,666	\$2,649,063	\$2,735,390	\$2,824,747	\$2,917,243	
Bal./(Def.) of Funds Before Added Tax	\$0	\$0	\$0	(\$54,335)	(\$126,957)	(\$194,272)	(\$264,268)	(\$337,040)	(\$412,687)	(\$491,312)	(\$573,022)	
Plus: Add'l Taxes with Rate Increase	0	0	0	0	0	0	0	0	0	0	0	
Bal./(Def.) of Funds With Added Tax	\$0	\$0	\$0	(\$54,335)	(\$126,957)	(\$194,272)	(\$264,268)	(\$337,040)	(\$412,687)	(\$491,312)	(\$573,022)	
Bal. as a % of Rate Adj. Req'd	0.0%	0.0%	0.0%	3.0%	6.1%	9.3%	12.6%	15.9%	19.4%	23.0%	26.7%	
Proposed Rate Adjustment	0.0%	0.0%	0.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Add'l Revenue with Rate Adj.	\$0	\$0	\$0	\$54,335	\$126,957	\$194,272	\$264,268	\$337,040	\$412,687	\$491,312	\$573,022	
Bal./(Def.) After 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%	
Avg Res Customer Bill (\$14.00+ 6Kgal @ \$0.0107/gal)	\$78.20											
Customer Bill on Proposed Adj.	\$78.20	\$78.20	\$78.20	\$80.55	\$82.96	\$85.45	\$88.01	\$90.66	\$93.37	\$96.18	\$99.06	

* 2020 proposed rate adjustment assumed to be effective for 11 months

City of Homer
 Water and Sewer Financial Plan
 Water Revenue Requirement
 Exhibit 4

	<i>Actual</i>	<i>Actual</i>	<i>Budget</i>	<i>Budget</i>	<i>Budget</i>	<i>Projected</i>					<i>Notes</i>	
	<i>CY 2019</i>	<i>CY 2020</i>	<i>CY 2021</i>	<i>FY 2022</i>	<i>FY 2023</i>	<i>FY 2024</i>	<i>FY 2025</i>	<i>FY 2026</i>	<i>FY 2027</i>	<i>FY 2028</i>		<i>FY 2029</i>
Bill Difference - Monthly	0.00	0.00	0.00	2.35	2.42	2.49	2.56	2.64	2.72	2.80	2.89	
CARMA - Monthly	11.73	0.00	0.00	0.00	12.44	12.82	13.20	13.60	14.01	14.43	14.86	
Cumulative Bill Difference	11.73	0.00	0.00	2.35	14.86	15.31	15.76	16.24	16.73	17.23	17.75	
Cash Reserves												
Beginning Reserve Funds	\$0	\$336,804	\$488,243	\$467,590	\$536,623	\$571,523	\$604,286	\$634,421	\$661,393	\$684,613	\$703,435	
Water Operating Fund												
Beginning Balance	\$0	\$336,804	\$488,243	\$467,590	\$536,623	\$571,523	\$604,286	\$634,421	\$661,393	\$684,613	\$703,435	
Plus: Additions	0	151,439	0	69,033	34,901	32,762	30,136	26,972	23,220	18,822	13,719	
Less: Uses of Funds	(6,080)	0	(20,653)	0	0	0	0	0	0	0	0	
Ending Balance	\$336,804	\$488,243	\$467,590	\$536,623	\$571,523	\$604,286	\$634,421	\$661,393	\$684,613	\$703,435	\$717,154	
Target : 90 Days of O&M	\$476,753	\$461,212	\$513,337	\$493,082	\$519,155	\$538,546	\$558,729	\$579,740	\$601,618	\$624,400	\$648,128	

City of Homer
Water and Sewer Financial Plan
Water Capital Improvement Plan
Exhibit 5

Year 1 - July 2020 - June 2021 Year 2 July 2021- June 2022 Year 3 July 2022- June 2023 Year 4 July 2023- June 2024 Year 5 July 2024- June 2025

CARMA-Funded Projects	CY 2019	CY 2020	CY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Future Unidentified Projects	\$406,754	\$25,620	\$0	\$0	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
1/2 of Utility Financial Mgmt.			12,907								
Betterments on East Hill			49,000								
Raw Water Transmission Line			33,185								
Commercial Meter Replacement			80,000								
Dredge for WTP			10,000								
Million Gallon Water Tank Aeration System			172,624								
Tesoro Water Vault Upgrade			100,000								
Raw Water Line Replacement Design			202,222								
PRV Replacement West Trunk Line			25,000								
Fuel Island			7,200								
Water Share of Ocean Drive SAD				52,506							
DR 6000 uV VIS Spectrophotometer w/ RFID				9,276							
Mlox Chlorine Generator Cell Replacement				30,000							
PR Station Hatch Improvement				35,279							
Water Treatment Plant HVAC Control System Upgrade				55,955							
East Trunk FPI Mag Flow Meter				9,000							
Replacement Flow Meters at Main and Danview PR Station and East Rd Monitor				15,000							
Replacement of E-170 ToolCat				21,667							
Replacement of E-161 CAT Loader				158,333							
Replacement of E-131 W/S Truck				15,000							
Replacement of E-130 Service Truck				26,667							
Replacement of E-114 PW Truck				10,000							
PW Campus Mitigation Plan				16,667							
Computerized Maintenance Management System				23,333							
Total CARMA-Funded Projects	\$406,754	\$25,620	\$692,138	\$478,683	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Transfer to Cash Reserve	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total CARMA-Funded Projects	\$406,754	\$25,620	\$692,138	\$478,683	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000

City of Homer
Water and Sewer Financial Plan
Sewer Revenue Requirement
Exhibit 6

	Actual	Actual	Budget	Budget	Budget	Projected					Notes	
	CY 2019	CY 2020	CY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029
CARMA Funding (Input)	15.0%	0.0%	0.0%	0.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	
Revenues												
Rate Revenue - Sewer												
Meter Revenue	\$1,721,738	\$1,635,120	\$1,755,805	\$1,731,174	\$1,731,174	\$1,739,830	\$1,748,529	\$1,757,272	\$1,766,058	\$1,774,888	\$1,783,763	As Customer Growth
CARMA Revenue	258,261	0	0	0	259,676	260,974	262,279	263,591	264,909	266,233	267,564	
Service Revenue	28,173	88,454	26,656	25,515	17,522	17,610	17,698	17,786	17,875	17,964	18,054	As Customer Growth
Total Rate Revenue - Sewer	\$2,008,172	\$1,723,574	\$1,782,461	\$1,756,689	\$2,008,372	\$2,018,414	\$2,028,506	\$2,038,649	\$2,048,842	\$2,059,086	\$2,069,381	
Miscellaneous Revenue - Sewer												
Operating Grants and Contributions	\$28,828	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	As Flat
RV Dump Station	6,084	5,964	6,156	5,575	5,986	6,016	6,046	6,076	6,107	6,137	6,168	As Miscellaneous Revenues
Capital Grants and Contributions	0	0	0	0	0	0	0	0	0	0	0	As Miscellaneous Revenues
Total Miscellaneous Revenue - Sewer	\$34,912	\$5,964	\$6,156	\$5,575	\$5,986	\$6,016	\$6,046	\$6,076	\$6,107	\$6,137	\$6,168	
Total Revenue	\$2,043,084	\$1,729,538	\$1,788,617	\$1,762,264	\$2,014,358	\$2,024,430	\$2,034,552	\$2,044,725	\$2,054,948	\$2,065,223	\$2,075,549	
Expenses												
Salaries and Benefits Expenses - Sewer												
Salary and Wages	\$435,882	\$478,916	\$504,076	\$470,280	\$485,601	\$502,597	\$520,188	\$538,395	\$557,238	\$576,742	\$596,928	As Labor
Fringe Benefits	274,623	279,241	293,270	295,902	317,331	336,371	356,553	377,946	400,623	424,660	450,140	As Benefits - Medical
Part-time Wages	10,739	11,003	13,550	12,842	12,945	13,398	13,867	14,352	14,855	15,375	15,913	As Labor
Part-time Benefits	1,290	1,296	1,793	1,558	1,571	1,642	1,716	1,793	1,873	1,958	2,046	As Benefits - Other
Overtime	18,860	28,023	23,254	23,434	23,434	24,254	25,103	25,982	26,891	27,832	28,806	As Labor
Part-time Overtime	574	477	0	0	0	0	0	0	0	0	0	As Labor
Unemployment Benefits	1,090	4,326	0	0	0	0	0	0	0	0	0	As Benefits - Other
PERS Relief	28,828	0	0	0	0	0	0	0	0	0	0	As Benefits - Other
Total Salaries and Benefits - Sewer	\$771,886	\$803,282	\$835,943	\$804,016	\$840,882	\$878,262	\$917,427	\$958,468	\$1,001,481	\$1,046,567	\$1,093,833	
Maintenance and Operations Expenses - Sewer												
Office Supplies	\$395	\$537	\$1,100	\$1,100	\$1,100	\$1,133	\$1,167	\$1,202	\$1,238	\$1,275	\$1,313	As Materials & Supplies
Operating Supplies	25,617	22,395	50,900	51,300	51,300	52,839	54,424	56,057	57,739	59,471	61,255	As Materials & Supplies
Fuel and Lube	25,322	28,734	25,000	25,000	25,000	25,750	26,523	27,318	28,138	28,982	29,851	As Materials & Supplies
Chemicals	52,761	52,942	55,000	55,000	55,000	56,650	58,350	60,100	61,903	63,760	65,673	As Materials & Supplies
Vehicle and Boat Maintenance	398	145	250	250	250	260	270	281	292	304	316	As Equipment
Equipment Maintenance	41,798	41,416	39,400	39,400	39,400	40,976	42,615	44,320	46,092	47,936	49,854	As Equipment
Building & Grounds Maintenance	3,685	2,875	3,800	3,800	3,800	3,895	3,992	4,092	4,194	4,299	4,407	As Miscellaneous
Professional Services	20,951	27,332	85,859	95,259	52,700	54,545	56,454	58,429	60,474	62,591	64,782	As Labor
Audit Services	17,121	6,714	17,469	18,343	19,260	19,934	20,632	21,354	22,101	22,875	23,675	As Labor
Communications	4,778	5,448	5,500	5,500	5,500	5,693	5,892	6,098	6,311	6,532	6,761	As Labor
Freight and Postage	354	272	350	500	500	513	525	538	552	566	580	As Miscellaneous
Electricity	260,135	279,496	270,069	255,627	281,190	291,032	301,218	311,760	322,672	333,966	345,654	As Electricity
Water	640	701	612	560	560	577	594	612	630	649	669	As Utilities
Sewer	532	599	522	444	444	457	471	485	500	515	530	As Utilities
Property Insurance	6,769	8,670	8,587	10,822	11,904	12,380	12,875	13,390	13,926	14,483	15,062	As Insurance
Auto Insurance	10,531	11,186	12,046	11,343	12,477	12,976	13,495	14,035	14,596	15,180	15,787	As Insurance
Liability Insurance	1,357	1,174	2,992	4,014	4,415	4,592	4,775	4,966	5,165	5,372	5,586	As Insurance
Testing and Analysis	2,012	6,900	6,500	6,500	6,500	6,728	6,963	7,207	7,459	7,720	7,990	As Labor
Advertising	0	364	1,250	1,250	1,250	1,281	1,313	1,346	1,380	1,414	1,450	As Miscellaneous
Tools and Equipment	4,681	4,397	4,800	4,800	4,800	4,992	5,192	5,399	5,615	5,840	6,074	As Equipment
Damages not covered by Insurance	0	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
Record and Permits	7,920	7,920	8,075	8,075	8,075	8,277	8,484	8,696	8,913	9,136	9,365	As Miscellaneous
Membership Dues	444	300	700	700	700	718	735	754	773	792	812	As Miscellaneous
Transportation	1,193	64	1,000	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	As Miscellaneous
Subsistence	960	833	1,000	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	As Miscellaneous
Credit Card Expenses	17,128	17,868	20,000	20,000	20,000	20,500	21,013	21,538	22,076	22,628	23,194	As Miscellaneous
Uniform	80	212	350	350	350	359	368	377	386	396	406	As Miscellaneous
Safety Equipment	1,318	2,515	2,650	2,650	2,650	2,756	2,866	2,981	3,100	3,224	3,353	As Equipment
Employee Training	7,997	4,348	8,000	8,000	8,000	8,280	8,570	8,870	9,180	9,501	9,834	As Labor
Bad Debt Expenses	6,254	(3,851)	2,500	2,500	2,500	2,563	2,627	2,692	2,760	2,829	2,899	As Miscellaneous

City of Homer
Water and Sewer Financial Plan
Sewer Revenue Requirement
Exhibit 6

	Actual		Budget			Projected					Notes	
	CY 2019	CY 2020	CY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029
Total Maintenance and Operations Sewer	\$523,132	\$532,506	\$636,281	\$635,087	\$621,625	\$642,703	\$664,503	\$687,052	\$710,375	\$734,499	\$759,452	
C/O and Transfer Expenses - Sewer												
Leave Cash Out	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	As Miscellaneous
GF Admin Fees	226,141	232,276	241,482	289,535	299,830	307,326	315,009	322,884	330,956	339,230	347,711	As Miscellaneous
Transfers To	0	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
Total Salaries and Benefits - Sewer	\$226,141	\$232,276	\$241,482	\$289,535	\$299,830	\$307,326	\$315,009	\$322,884	\$330,956	\$339,230	\$347,711	
Total Operations & Maintenance	\$1,521,159	\$1,568,064	\$1,713,706	\$1,728,638	\$1,762,337	\$1,828,290	\$1,896,939	\$1,968,404	\$2,042,812	\$2,120,296	\$2,200,995	
Taxes												
State Taxes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
City Taxes	0	0	0	0	0	0	0	0	0	0	0	
Total Taxes and Transfers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Rate Funded Capital	\$118,039	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	2019 Depr. Exp. = \$438,191
Debt Service												
ACWF #409031 - Sewer Ext	\$134,780	\$132,951	\$132,951	\$132,951	\$132,951	\$132,951	\$132,951	\$0	\$0	\$0	\$0	Debt Schedule
ACWF #409261 - KDPHII Sewer	96,300	80,490	79,480	78,470	77,460	76,450	75,440	74,430	73,420	72,410	71,400	Debt Schedule
ACWF #409081 - Sewer	67,386	66,571	65,756	64,941	64,126	63,311	62,496	61,681	60,866	60,051	59,236	Debt Schedule
ACWF #409111 - Eric Ln Sewer	12,267	12,124	11,981	11,838	11,695	11,552	11,409	11,266	11,123	10,980	10,837	Debt Schedule
ACWF #409071 - KDRPIII	14,263	12,308	12,308	12,308	12,308	12,308	12,308	12,308	12,308	12,308	12,308	Debt Schedule
Total Debt Service	\$324,996	\$304,444	\$302,476	\$300,508	\$298,540	\$296,572	\$294,604	\$159,685	\$157,717	\$155,749	\$153,781	
Less: Debt Service Funding												
HAWSP	\$324,996	\$304,444	\$302,476	\$300,508	\$298,540	\$296,572	\$294,604	\$159,685	\$157,717	\$155,749	\$153,781	
Rate Related Funding	0	0	0	0	0	0	0	0	0	0	0	
Total Less Debt Service Funding	\$324,996	\$304,444	\$302,476	\$300,508	\$298,540	\$296,572	\$294,604	\$159,685	\$157,717	\$155,749	\$153,781	
Net Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Reserve Funding												
Transfer to Sewer Operating	\$248,722	\$146,618	\$74,911	\$33,626	(\$7,655)	(\$4,282)	(\$1,130)	\$1,768	\$4,376	\$6,653	\$8,558	
Transfer to CARMA	155,164	14,856	0	0	259,676	260,974	262,279	263,591	264,909	266,233	267,564	
Transfer to HAWSP	0	0	0	0	0	0	0	0	0	0	0	
Reserve Funding	\$403,886	\$161,474	\$74,911	\$33,626	\$252,021	\$256,692	\$261,149	\$265,359	\$269,284	\$272,886	\$276,122	
Total Revenue Requirement	\$2,043,084	\$1,729,538	\$1,788,617	\$1,762,264	\$2,014,358	\$2,084,982	\$2,158,088	\$2,233,763	\$2,312,096	\$2,393,182	\$2,477,118	
Bal./.(Def.) of Funds Before Added Tax	\$0	\$0	\$0	\$0	\$0	(\$60,552)	(\$123,536)	(\$189,038)	(\$257,148)	(\$327,959)	(\$401,568)	
Plus: Add'l Taxes with Rate Increase	0	0	0	0	0	0	0	0	0	0	0	
Bal./.(Def.) of Funds With Added Tax	\$0	\$0	\$0	\$0	\$0	(\$60,552)	(\$123,536)	(\$189,038)	(\$257,148)	(\$327,959)	(\$401,568)	
Bal. as a % of Rate Adj. Req'd	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	6.1%	9.3%	12.6%	15.9%	19.4%	
Proposed Rate Adjustment	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Add'l Revenue with Rate Adj.	\$0	\$0	\$0	\$0	\$0	\$60,552	\$123,536	\$189,038	\$257,148	\$327,959	\$401,568	
Bal./.(Def.) After 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%	

* 2020 proposed rate adjustment assumed to be effective for 11 months

Avg Res Customer Bill (6Kgal @ \$0.0143/gal)	\$85.80											
Customer Bill on Proposed Adj.	\$85.80	\$85.80	\$85.80	\$85.80	\$85.80	\$88.37	\$91.03	\$93.76	\$96.57	\$99.47	\$102.45	
Bill Difference - Monthly	0.00	0.00	0.00	0.00	0.00	2.57	2.65	2.73	2.81	2.90	2.98	

City of Homer
 Water and Sewer Financial Plan
 Sewer Revenue Requirement
 Exhibit 6

	<i>Actual</i>	<i>Actual</i>	<i>Budget</i>	<i>Budget</i>	<i>Budget</i>	<i>Projected</i>					<i>Notes</i>	
	<i>CY 2019</i>	<i>CY 2020</i>	<i>CY 2021</i>	<i>FY 2022</i>	<i>FY 2023</i>	<i>FY 2024</i>	<i>FY 2025</i>	<i>FY 2026</i>	<i>FY 2027</i>	<i>FY 2028</i>		<i>FY 2029</i>
CARMA - Monthly	12.87	0.00	0.00	0.00	12.87	13.26	13.65	14.06	14.49	14.92	15.37	
Cumulative Bill Difference	12.87	0.00	0.00	0.00	12.87	15.83	16.30	16.79	17.30	17.82	18.35	
Cash Reserves												
Beginning Reserve Funds	\$0	\$336,804	\$483,422	\$558,333	\$591,959	\$584,304	\$580,022	\$578,891	\$580,659	\$585,035	\$591,688	
Sewer Operating Fund												
Beginning Balance	\$0	\$336,804	\$483,422	\$558,333	\$591,959	\$584,304	\$580,022	\$578,891	\$580,659	\$585,035	\$591,688	
Plus: Additions	248,722	146,618	74,911	33,626	0	0	0	1,768	4,376	6,653	8,558	
Less: Uses of Funds	0	0	0	0	(7,655)	(4,282)	(1,130)	0	0	0	0	
Ending Balance	\$336,804	\$483,422	\$558,333	\$591,959	\$584,304	\$580,022	\$578,891	\$580,659	\$585,035	\$591,688	\$600,246	
Target : 90 Days of O&M	\$375,080	\$386,646	\$422,558	\$426,240	\$434,549	\$450,811	\$467,738	\$485,360	\$503,707	\$522,813	\$542,711	

City of Homer
Water and Sewer Financial Plan
Sewer Capital Improvement Plan
Exhibit 7

Year 1 - July 2020 - June 2021 Year 2 July 2021- June 2022 Year 3 July 2022- June 2023 Year 4 July 2023- June 2024 Year 5 July 2024- June 2025

CARMA-Funded Projects	CY 2019	CY 2020	CY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Future Unidentified Projects	\$118,039	\$0	\$0	\$0	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000
1/2 of Utility Financial Mgmt.			12,907								
Engineering Beluga Lift Station			4,463								
Betterments of East Hill			49,000								
Launch Ramp Lift Station Enclosure			13,674								
Replace Deep Shaft Air Compressor			85,000								
Upgrade SCADA for 7 Lift Stations			210,900								
WWTP Digester Blowers			170,917								
Fuel Island			7,200								
Charles Street Sewer SAD - Design				55,000							
Charles Street Sewer SAD - Construction				178,561							
Influent Station Backup Pump				16,136							
Safety Hoist for Lift Station & Other Underground				10,282							
Sewer Inspection Camera				57,320							
Repair Pond Liner at Sewer Treatment Plant				25,000							
Replacement of E-170 ToolCat				21,667							
Replacement of E-161 CAT Loader				158,333							
Replacement of E-131 W/S Truck				15,000							
Replacement of E-130 Service Truck				26,667							
Replacement of E-114 PW Truck				10,000							
PW Campus Mitigation Plan				16,667							
Computerized Maintenance Management System				23,333							
Total CARMA-Funded Projects	\$118,039	\$0	\$554,061	\$613,966	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000
Transfer to Cash Reserve	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total CARMA-Funded Projects	\$118,039	\$0	\$554,061	\$613,966	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000

City of Homer
Water and Sewer Financial Plan
HAWSP Fund Projects and Balance
Exhibit 8

Year 1 - July 2020 - June 2021 Year 2 July 2021- June 2022 Year 3 July 2022- June 2023 Year 4 July 2023- June 2024 Year 5 July 2024- June 2025

HAWSP Project Funding (Direct-funding and seed-funding)	CY 2019	CY 2020	CY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Ground Water Research			\$50,000								
Betterment - Tasmania Ct Water/Sewer SAD			88,569								
Alder Lane Water Improvement - 25% City Portion			97,057								
Tasmania Court Water Main Extension - 25% City Portion			141,330								
Tasmania Court Sewer Main Extension - 25% City Portion			82,712								
Hornaday Park Restroom Replacement				300,000							
Hornaday Park W/S Line Replacement				25,000							
Bishop's Beach Restroom Replacement Design				25,000							
Bishop's Beach Restroom Replacement Construction				400,000							
Charles Street Water SAD - Design				15,000							
Charles Street Water SAD - Construction - 25% City Portion				69,536							
Ground Water Research				50,000							
Bunnell-Charles Water Main Extension - 25% City Portion					169,722						
Bunnell-Charles Sewer Main Extension - 25% City Portion					210,611						
Mission Road Water Main Extension - 25% City Portion					350,634	350,634					
Mission Road Sewer Trunk Line - 25% City Portion					248,918	248,918					
Sterling Highway Water Main Extension - 25% City Portion						62,573					
Sterling Highway Sewer Main Extension - 25% City Portion						88,580					
West Hill Road Water Trunk Line - 25% City Portion							459,181	459,181			
West Hill Road Sewer Trunk Line - 25% City Portion							489,559	489,559			
Future Water Projects - Direct Funded					50,000	50,000	25,000	25,000	580,000	597,400	615,322
Future Sewer Projects - Direct Funded					50,000	50,000	25,000	25,000	380,000	391,400	403,142
Future Water Projects - Debt Seed Funded											
Future Sewer Projects - Debt Seed Funded											
<i>Total HAWSP Direct Funding - Water Projects</i>	\$0	\$0	\$138,569	\$559,536	\$50,000	\$50,000	\$25,000	\$25,000	\$580,000	\$597,400	\$615,322
<i>Total HAWSP Direct Funding - Sewer Projects</i>			\$0	\$325,000	\$50,000	\$50,000	\$25,000	\$25,000	\$380,000	\$391,400	\$403,142
<i>Total HAWSP Debt Seed Funding - Water</i>			238,387	0	520,357	413,207	459,181	459,181	0	0	0
<i>Total HAWSP Debt Seed Funding - Sewer</i>			82,712	0	459,529	337,498	489,559	489,559	0	0	0
Total HAWSP Project Funding (Direct-funding and seed-fundi	\$0	\$0	\$459,668	\$884,536	\$1,079,886	\$850,705	\$998,740	\$998,740	\$960,000	\$988,800	\$1,018,464
Transfer to Cash Reserve	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct HAWSP Funding	\$0	\$0	\$459,668	\$884,536	\$1,079,886	\$850,705	\$998,740	\$998,740	\$960,000	\$988,800	\$1,018,464

HAWSP Debt-Funded Capital Loan Requests (75% of Project total, after Seed) (Matches state loan request docs)

Alder Lane Water Main Extension	\$291,172
Tasmania Court Water Main Extension	\$423,990
Tasmania Court Sewer Main Extension	\$248,136
Bunnell-Charles Water Main Extension	\$509,167

City of Homer
Water and Sewer Financial Plan
HAWSP Fund Projects and Balance
Exhibit 8

Year 1 - July 2020 - June 2021	Year 2 July 2021- June 2022	Year 3 July 2022- June 2023	Year 4 July 2023- June 2024	Year 5 July 2024- June 2025
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Bunnell-Charles Sewer Main Extension

\$631,834

Mission Road Water Main Extension

1,051,903

1,051,903

Mission Road Sewer Trunk Line

746,753

746,753

Sterling Highway Water Main Extension

187,719

Sterling Highway Sewer Main Extension

265,740

West Hill Road Water Trunk Line

1,377,544

1,377,544

West Hill Road Sewer Trunk Line

1,468,677

1,468,677

Total HAWSP Debt-Funded Capital Projects - Water

\$1,224,329

\$1,051,903

\$1,239,622

\$1,377,544

\$1,377,544

\$0

\$0

\$0

Total HAWSP Debt-Funded Capital Projects - Sewer

\$879,970

\$746,753

\$1,012,493

\$1,468,677

\$1,468,677

\$0

\$0

\$0

HAWSP Debt-Funded Capital, Loan Total

\$0

\$0

\$0

\$2,104,299

\$1,798,656

\$2,252,115

\$2,846,220

\$2,846,220

\$0

\$0

\$0

Input (Assessment deferment %)

30%

30%

30%

30%

30%

30%

30%

30%

30%

HAWSP FUND BALANCE

	2022	2023	2024	2025	2026	2027	2028	2029
Beginning Balance	\$2,275,476	\$2,353,970	\$2,233,105	\$2,349,453	\$2,236,662	\$2,416,012	\$2,651,027	\$2,874,762
Plus: Transfers In	0	0	0	0	0	0	0	0
Plus: Annual HAWSP Sales Tax	1,404,987	1,469,398	1,517,889	1,525,478	1,533,106	1,540,771	1,548,475	1,563,999
Plus: Interest	0	22,755	23,540	22,331	23,495	22,367	24,160	28,748
Plus: Current Assessment Collection	481,370	481,370	481,370	481,370	481,370	481,370	481,370	481,370
Plus: Future Assessment (modified by deferment %)		65,411	212,080	230,569	462,661	462,661	462,661	462,661
Less: Current Debt Payment	(992,034)	(982,460)	(972,886)	(963,312)	(953,738)	(668,135)	(660,707)	(645,851)
Less: Future Project Debt Payment		(93,444)	(302,972)	(329,384)	(660,944)	(660,944)	(660,944)	(660,944)
Less: Total Direct & Seed HAWSP Project Funding	(459,668)	(884,536)	(1,079,886)	(850,705)	(998,740)	(998,740)	(960,000)	(1,018,464)
Ending Balance	\$2,275,476	\$2,353,970	\$2,233,105	\$2,349,453	\$2,236,662	\$2,416,012	\$2,651,027	\$3,086,280

City of Homer
Water and Sewer Financial Plan
Sewer Capital Improvement Plan
Exhibit 9

	<i>Actual</i>		<i>Budget</i>								
	CY 2019	CY 2020	CY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
CARMA FUND - Water											
Beginning Balance			\$2,434,942	\$1,774,075	\$1,317,919	\$1,303,666	\$1,290,618	\$1,278,794	\$1,268,214	\$1,258,895	\$1,250,859
Plus: Annual CARMA Water Transfers In			0	0	266,899	268,233	269,574	270,922	272,277	273,638	275,006
Plus: Other Transfers in			0	0	0	0	0	0	0	0	0
Plus: Interest			31,271	22,528	18,848	18,719	18,602	18,497	18,405	18,325	18,259
Less: Uses of Funds-Capital			(692,138)	(478,683)	(300,000)	(300,000)	(300,000)	(300,000)	(300,000)	(300,000)	(300,000)
Ending Balance		\$2,434,942	\$1,774,075	\$1,317,919	\$1,303,666	\$1,290,618	\$1,278,794	\$1,268,214	\$1,258,895	\$1,250,859	\$1,244,124
CARMA FUND - Sewer											
Beginning Balance			\$1,836,104	\$1,294,863	\$687,706	\$729,606	\$773,237	\$818,621	\$865,784	\$914,750	\$965,543
Plus: Annual CARMA Sewer Transfers In			0	0	259,676	260,974	262,279	263,591	264,909	266,233	267,564
Plus: Other Transfers in			0	0	0	0	0	0	0	0	0
Plus: Interest			12,820	6,809	7,224	7,656	8,105	8,572	9,057	9,560	10,081
Less: Uses of Funds-Capital			(554,061)	(613,966)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)	(225,000)
Ending Balance		\$1,836,104	\$1,294,863	\$687,706	\$729,606	\$773,237	\$818,621	\$865,784	\$914,750	\$965,543	\$1,018,188