Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Electric Distribution

1.50%	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
Expenditure Forecast										
Supervision, Misc Direct Admin	540,896	549,010	557,245	565,604	574,088	582,699	591,440	600,311	609,316	618,456
Substation Maintenance	34,433	34,949	35,473	36,005	36,545	37,094	37,650	38,215	38,788	39,370
Switching Station Maintenance	53,724	54,530	55,347	56,178	57,020	57,876	58,744	59,625	60,519	61,427
Overhead Maintenance	531,439	539,411	547,502	555,715	564,050	572,511	581,099	589,815	598,662	607,642
Underground Maintenance	397,182	403,140	409,187	415,325	421,555	427,878	434,296	440,811	447,423	454,134
Meter Maintenance	92,638	94,027	95,438	96,869	98,322	99,797	101,294	102,813	104,356	105,921
Interdepartmental Charges	649,857	659,605	669,499	679,542	689,735	700,081	710,582	721,241	732,059	743,040
Administrative Division Allocation	845,022	857,698	870,563	883,622	896,876	910,329	923,984	937,844	951,911	966,190
In Lieu Taxes	553,891	411,345	414,308	417,301	420,324	423,378	426,461	429,576	432,722	435,899
Debt Service	1,253,438	1,253,443	1,133,909	982,377	984,776	1,015,816	1,178,311	1,178,311	1,178,311	1,178,312
Profit Transfer	610,735	637,141	643,513	649,948	656,447	663,012	669,642	676,338	683,102	689,933
Cost of Power	6,104,839	6,278,250	5,984,915	6,200,641	5,328,629	5,525,140	5,655,936	5,994,115	6,084,364	6,103,995
Total Operations Expenses	11,668,094	11,772,549	11,416,899	11,539,126	10,728,368	11,015,609	11,369,438	11,769,014	11,921,532	12,004,318
Capital	1,250,000	757,500	714,070	721,211	728,423	735,707	743,064	750,495	758,000	765,580
Total Cash Requirements	12,918,094	12,530,049	12,130,969	12,260,337	11,456,791	11,751,316	12,112,502	12,519,509	12,679,532	12,769,898
Revenue Forecast										
KWh Sales	123,371,000	124,604,710	125,850,757	127,109,265	128,380,357	129,664,161	130,960,802	132,270,411	133,593,115	134,929,046
Revenue per KWh	$0.1189	$0.1189	$0.1189	$0.1189	$0.1189	$0.1189	$0.1189	$0.1189	$0.1189	$0.1189
Rate Increase Percentage										
Total Sales Revenue	14,203,145	14,817,237	14,965,410	15,115,064	15,266,214	15,418,876	15,573,065	15,728,796	15,886,084	16,044,945
Bond Federal Subsidy	67,942	67,942	67,942	67,942	66,045	64,099	58,759	47,731	47,731	47,732
Interest on Utility Reserves	-	101,526	169,282	252,414	338,131	449,811	560,687	669,028	773,519	880,554
Pole Rentals	53,601	53,601	53,601	53,601	53,601	53,601	53,601	53,601	53,601	53,601
Misc. Service Revenues	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Revenue on Recoverable Work	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Total Cash Inflow	14,524,688	15,240,306	15,456,235	15,689,020	15,923,991	16,186,388	16,446,113	16,699,155	16,960,935	17,226,831
R&R and Cash Flows										
Net Cash Flow	1,606,594	2,710,257	3,325,265	3,428,684	4,467,200	4,435,072	4,333,610	4,179,646	4,281,403	4,456,934
Cumulative Net Cash Flow	1,847,281	4,557,538	7,882,804	11,311,487	15,778,688	20,213,760	24,547,370	28,727,016	33,008,418	37,465,352
Cash Balance	4,061,021	6,771,279	10,096,544	13,525,228	17,992,428	22,427,500	26,761,110	30,940,756	35,222,159	39,679,092
Recommended Cash Balance	9,896,341	9,563,054	9,692,514	8,702,728	8,935,895	9,132,495	9,668,447	9,794,495	9,850,454	9,948,360

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Electric Production

	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
1.50%										
Expenditure Forecast										
Total Cash Requirements	38,155,597	41,875,221	43,501,573	45,151,218	38,967,830	42,144,564	43,024,689	52,793,327	55,869,169	56,204,528
1.01%										
Revenue Forecast										
Mwh Sales - LANL	596,860	641,334	717,214	721,328	717,284	764,460	763,422	941,382	998,335	998,335
Mwh Sales - LAC Distribution	121,140	122,534	123,942	125,364	126,801	128,251	129,717	131,197	132,692	132,692
Total Mwh Sales	718,000	763,868	841,156	846,692	844,084	892,711	893,139	1,072,579	1,131,027	1,131,027
Revenue per Mwh	**$48.03**	**$49.63**	**$46.88**	**$48.29**	**$40.93**	**$42.09**	**$42.84**	**$44.62**	**$44.84**	**$44.97**
DOE Revenues	28,377,601	31,629,642	33,445,422	34,688,959	29,215,717	32,047,211	32,606,027	41,860,926	44,636,144	44,757,566
Economy Sales	3,525,627	3,803,345	3,907,251	4,097,633	4,262,619	4,414,545	4,608,645	4,788,726	4,999,100	5,193,406
Interest on Reserves	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000
Bond Federal Subsidy	33,984	33,984	33,984	33,984	30,867	27,669	24,080	19,561	19,561	19,561
Transfer from Distribution Fund	6,104,839	6,278,250	5,984,915	6,200,641	5,328,629	5,525,140	5,655,936	5,994,115	6,084,364	6,103,995
Total Cash Inflow	38,172,051	41,875,221	43,501,573	45,151,218	38,967,830	42,144,564	43,024,689	52,793,327	55,869,169	56,204,528
Net Cash Flow	16,454	-	-	-	-	-	-	-	-	-
Cumulative Net Cash Flow	16,454	16,454	16,454	16,454	16,454	16,454	16,454	16,454	16,454	16,454
Cash Balance	17,787,415	19,715,614	19,715,614	19,715,614	19,715,614	19,715,614	19,715,614	19,715,614	19,715,614	19,715,614
Recommended Cash Balance	19,270,303	18,612,759	18,798,887	18,986,876	19,176,744	19,368,512	19,562,197	19,757,819	19,955,397	20,154,951
Reserves										
Retirement/Reclamation Reserve	10,665,552	10,878,845	11,070,297	11,008,523	10,586,060	10,186,921	9,835,481	9,401,674	8,955,058	8,605,995
Identified items on site	309,068	313,704	318,409	323,185	328,033	332,953	337,948	343,017	348,162	353,385
San Juan Decommissioning	5,086,620	5,275,020	5,463,420	5,651,820	5,840,220	6,028,620	6,217,020	6,405,420	6,593,820	6,782,220
Laramie River Decommissioning	799,980	838,980	877,980	916,980	955,980	994,980	1,033,980	1,072,980	1,111,980	1,150,980
San Juan Mine Reclamation	4,469,884	4,451,141	4,410,488	4,116,538	3,461,827	2,830,368	2,246,533	1,580,257	901,096	319,410

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020 through FY2029
Electric Fund Cash Reserve Analysis

	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
ELECTRIC DIST & PROD CASH RESERVES										
Combined Cash Balance ED & EP	21,848,436	26,486,893	29,812,158	33,240,842	37,708,042	42,143,114	46,476,724	50,656,370	54,937,773	59,394,706
Recommended Cash Balance (ED)	9,896,341	9,563,054	9,692,514	8,702,728	8,935,895	9,132,495	9,668,447	9,794,495	9,850,454	9,948,360
Recommended Cash Balance (EP)	19,270,303	18,612,759	18,798,887	18,986,876	19,176,744	19,368,512	19,562,197	19,757,819	19,955,397	20,154,951
Recommended Cash Balance	**29,166,644**	**28,175,814**	**28,491,400**	**27,689,604**	**28,112,640**	**28,501,007**	**29,230,644**	**29,552,314**	**29,805,851**	**30,103,311**
TARGET RESERVE BALANCES										
Debt Service Reserve	4,030,211	3,663,977	1,724,896	1,454,051	1,454,032	1,472,933	1,635,428	1,635,428	1,635,428	1,635,429
Retirement/Reclamation Reserve	10,665,552	10,878,845	11,070,297	11,008,523	10,586,060	10,186,921	9,835,481	9,401,674	8,955,058	8,605,995
Identified items on site	309,068	313,704	318,409	323,185	328,033	332,953	337,948	343,017	348,162	353,385
San Juan Decommissioning	5,086,620	5,275,020	5,463,420	5,651,820	5,840,220	6,028,620	6,217,020	6,405,420	6,593,820	6,782,220
Laramie River Decommissioning	799,980	838,980	877,980	916,980	955,980	994,980	1,033,980	1,072,980	1,111,980	1,150,980
San Juan Mine Reclamation	4,469,884	4,451,141	4,410,488	4,116,538	3,461,827	2,830,368	2,246,533	1,580,257	901,096	319,410
Operations Reserve	7,027,519	6,835,238	8,564,884	8,919,758	10,000,686	10,630,294	11,202,374	11,859,153	12,531,100	13,107,879
Capital Expenditures Reserve	650,000	290,000	400,000	440,000	-	-	-	-	-	-
Contingency Reserve	515,113	522,839	530,682	538,642	546,722	554,922	563,246	571,695	580,270	588,974
Rate Stabilization Reserve	6,278,250	5,984,915	6,200,641	5,328,629	5,525,140	5,655,936	5,994,115	6,084,364	6,103,995	6,165,034
	29,166,644	28,175,814	28,491,400	27,689,604	28,112,640	28,501,007	29,230,644	29,552,314	29,805,851	30,103,311
RESERVE BALANCE FORECAST										
Debt Service Reserve	4,030,211	3,663,977	1,724,896	1,454,051	1,454,032	1,472,933	1,635,428	1,635,428	1,635,428	1,635,429
Retirement/Reclamation Reserve	10,665,552	10,878,845	11,070,297	11,008,523	10,586,060	10,186,921	9,835,481	9,401,674	8,955,058	8,605,995
Operations Reserve	7,027,519	6,835,238	8,564,884	8,919,758	10,000,686	10,630,294	11,202,374	11,859,153	12,531,100	13,107,879
Capital Expenditures Reserve	125,155	290,000	400,000	440,000	-	-	-	-	-	-
Contingency Reserve	-	522,839	530,682	538,642	546,722	554,922	563,246	571,695	580,270	588,974
Rate Stabilization Reserve	-	4,295,994	6,200,641	5,328,629	5,525,140	5,655,936	5,994,115	6,084,364	6,103,995	6,165,034
Total Cash Remaining	-	-	**1,320,757**	**5,551,238**	**9,595,402**	**13,642,107**	**17,246,080**	**21,104,056**	**25,131,922**	**29,291,395**

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Gas Distribution

1.50%	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
Expenditure Forecast										
Supervision, Misc Direct Admin	282,780	287,022	291,327	295,697	300,132	304,634	309,204	313,842	318,549	323,328
Customer Service	63,500	64,453	65,419	66,401	67,397	68,408	69,434	70,475	71,532	72,605
Gas Distribution	272,946	277,040	281,196	285,414	289,695	294,041	298,451	302,928	307,472	312,084
Gas Meters	135,396	137,427	139,488	141,581	143,704	145,860	148,048	150,269	152,523	154,810
Capital Support & Inspection	6,208	6,301	6,395	6,491	6,588	6,687	6,788	6,889	6,993	7,098
Interdepartmental Charges	355,889	361,227	366,645	372,145	377,727	383,393	389,144	394,981	400,906	406,920
Administrative Division Allocation	627,647	637,061	646,617	656,317	666,161	676,154	686,296	696,591	707,039	717,645
In Lieu Taxes	223,722	223,722	223,722	223,722	223,722	223,722	223,722	223,722	223,722	223,722
Profit Transfer	279,133	262,692	264,836	275,553	283,413	286,985	290,915	290,915	292,344	651,028
Cost of Gas	2,754,000	2,960,550	3,006,450	3,235,950	3,404,250	3,480,750	3,564,900	3,564,900	3,595,500	3,626,100
TOTAL Operations Expenses	5,001,220	5,217,495	5,292,096	5,559,270	5,762,790	5,870,634	5,986,901	6,015,512	6,076,581	6,495,340
Capital	2,127,907	757,500	714,070	721,211	728,423	735,707	743,064	750,495	758,000	765,580
TOTAL Cash Requirements	**7,129,127**	**5,974,995**	**6,006,166**	**6,280,481**	**6,491,213**	**6,606,341**	**6,729,966**	**6,766,007**	**6,834,580**	**7,260,920**
Total outflow less COG	*4,375,127*	*3,014,445*	*2,999,716*	*3,044,531*	*3,086,963*	*3,125,591*	*3,165,066*	*3,201,107*	*3,239,080*	*3,634,820*
Revenue Forecast										
Therm Sales	7,650,000	7,650,000	7,650,000	7,650,000	7,650,000	7,650,000	7,650,000	7,650,000	7,650,000	7,650,000
Revenue per Therm	$ 0.781	$ 0.230	$ 0.230	$ 0.230	$ 0.230	$ 0.230	$ 0.230	$ 0.230	$ 0.230	$ 1.230
Rate Increase Percentage										
Cost of Gas Sales Revenue	2,754,000	2,960,550	3,006,450	3,235,950	3,404,250	3,480,750	3,564,900	3,564,900	3,595,500	3,626,100
Sales Rev from Fixed/Svc Chg	3,223,154	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	10,314,546
Total Sales Revenue	5,977,154	5,625,096	5,670,996	5,900,496	6,068,796	6,145,296	6,229,446	6,229,446	6,260,046	13,940,646
Interest on Utility Reserves	30,496	82,667	78,963	75,429	71,175	66,224	60,625	54,355	47,455	39,886
Revenue on Recoverable Work	20,000	20,300	20,605	20,914	21,227	21,546	21,869	22,197	22,530	22,868
TOTAL Cash Inflow	6,027,650	5,728,063	5,770,564	5,996,839	6,161,198	6,233,066	6,311,940	6,305,998	6,330,031	14,003,400
R&R and Cash Flows										
Net Cash Flow	(1,101,477)	(246,931)	(235,602)	(283,642)	(330,015)	(373,275)	(418,025)	(460,009)	(504,550)	6,742,481
Cummulative net cash flow	(166,235)	(413,166)	(648,768)	(932,410)	(1,262,426)	(1,635,701)	(2,053,726)	(2,513,735)	(3,018,285)	3,724,196
Cash Balance	5,511,147	5,264,216	5,028,614	4,744,972	4,414,956	4,041,681	3,623,656	3,163,647	2,659,097	9,401,578
Recommended Cash Balance	1,999,100	1,972,616	1,996,957	2,021,627	2,046,632	2,071,975	2,097,661	2,123,696	2,150,083	2,176,829

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020 through FY2029
Gas Cash Reserve Analysis

	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
GAS UTILITY CASH RESERVES										
Cash Balance	5,511,147	5,264,216	5,028,614	4,744,972	4,414,956	4,041,681	3,623,656	3,163,647	2,659,097	9,401,578
Recommended Cash Balance	**1,999,100**	**1,972,616**	**1,996,957**	**2,021,627**	**2,046,632**	**2,071,975**	**2,097,661**	**2,123,696**	**2,150,083**	**2,176,829**
TARGET RESERVE BALANCES										
Operations Reserve	984,044	997,126	1,010,405	1,023,883	1,037,564	1,051,449	1,065,543	1,079,848	1,094,368	1,109,106
Capital Expenditures Reserve	757,500	714,070	721,211	728,423	735,707	743,064	750,495	758,000	765,580	773,235
Contingency Reserve	257,556	261,420	265,341	269,321	273,361	277,461	281,623	285,847	290,135	294,487
Rate Stabilization Reserve*	-	-	-	-	-	-	-	-	-	-
	1,999,100	1,972,616	1,996,957	2,021,627	2,046,632	2,071,975	2,097,661	2,123,696	2,150,083	2,176,829
RESERVE BALANCE FORECAST										
Operations Reserve	984,044	997,126	1,010,405	1,023,883	1,037,564	1,051,449	1,065,543	1,079,848	1,094,368	1,109,106
Capital Expenditures Reserve	757,500	714,070	721,211	728,423	735,707	743,064	750,495	758,000	765,580	773,235
Contingency Reserve	257,556	261,420	265,341	269,321	273,361	277,461	281,623	285,847	290,135	294,487
Rate Stabilization Reserve*	-	-	-	-	-	-	-	-	-	-
Total Cash Remaining	**3,512,048**	**3,291,600**	**3,031,657**	**2,723,344**	**2,368,325**	**1,969,707**	**1,525,995**	**1,039,951**	**509,014**	**7,224,749**
** Assumes pass-through cost of gas rate remains in place.*	-	-	-	-	-	-	-	-	-	-

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Water Distribution

1.50%	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
Expenditure Forecast										
Supervision, Misc Direct Admin	241,921	245,549	249,233	252,971	256,766	260,617	264,526	268,494	272,522	276,610
Hydrants	-	-	-	-	-	-	-	-	-	-
Water Distribution	421,366	427,687	434,102	440,613	447,223	453,931	460,740	467,651	474,666	481,786
Water Meters	602,999	302,999	307,544	312,158	316,840	321,593	326,416	331,313	336,282	341,327
Capital Project Inspections & Support	6,208	6,301	6,395	6,491	6,588	6,687	6,788	6,889	6,993	7,098
Interdepartmental Charges	344,477	349,645	354,889	360,213	365,616	371,100	376,667	382,317	388,051	393,872
Administrative Division Allocation	625,560	634,943	644,467	654,134	663,946	673,906	684,014	694,274	704,689	715,259
Cost of Water	2,985,026	2,828,750	2,828,750	2,828,750	2,828,750	2,828,750	2,828,750	2,828,750	2,828,750	2,828,750
Capital	1,694,379	50,500	286,648	298,787	311,141	322,660	336,502	349,516	363,840	377,321
Total Operation Expenses	5,227,557	4,795,874	4,825,381	4,855,330	4,885,729	4,916,584	4,947,901	4,979,688	5,011,952	5,044,700
Total Capital Expenditures	1,694,379	50,500	286,648	298,787	311,141	322,660	336,502	349,516	363,840	377,321
Total Expenditures	6,921,936	4,846,374	5,112,029	5,154,117	5,196,869	5,239,244	5,284,403	5,329,204	5,375,792	5,422,022
Revenue Forecast										
kgal Sales	775,000	775,000	775,000	775,000	775,000	775,000	775,000	775,000	775,000	775,000
Revenue per kgal	$ 7.19	$ 7.55	$ 7.93	$ 8.27	$ 8.60	$ 8.85	$ 9.03	$ 9.19	$ 9.33	$ 9.47
Rate Increase Percentage	**8.00%**	**5.00%**	**5.00%**	**4.25%**	**4.00%**	**3.00%**	**2.00%**	**1.75%**	**1.50%**	**1.50%**
Total Sales Revenue	5,573,425	5,852,097	6,144,701	6,405,851	6,662,085	6,861,948	6,999,187	7,121,673	7,228,498	7,336,925
Interest on Utility Reserves	-	13,498	29,243	45,635	65,567	89,006	115,166	143,108	172,641	203,528
Revenue on Recoverable Work	15,000	15,225	15,453	15,685	15,920	16,159	16,402	16,648	16,897	17,151
Misc Service Revenues	15,000	15,225	15,453	15,685	15,920	16,159	16,402	16,648	16,897	17,151
Total Cash Inflow from Operations	5,603,425	5,896,045	6,204,851	6,482,857	6,759,493	6,983,272	7,147,156	7,298,076	7,434,933	7,574,755
R&R and Cash Flows										
Net Cash Flow	(1,318,511)	1,049,671	1,092,822	1,328,740	1,562,623	1,744,029	1,862,753	1,968,871	2,059,141	2,152,733
Cumulative Net Cash Flow	(1,313,869)	(264,198)	828,624	2,157,364	3,719,987	5,464,016	7,326,769	9,295,640	11,354,781	13,507,514
Cash Balance	899,871	1,949,542	3,042,364	4,371,104	5,933,727	7,677,756	9,540,509	11,509,380	13,568,521	15,721,254
Recommended Cash Balance	1,121,265	983,562	998,315	1,013,290	1,028,489	1,043,917	1,059,576	1,075,469	1,091,601	1,107,975

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Water Distribution

Rates										
Commodity rate per kgal										
Residential Tier 1 - < 9,000 gals	5.71	6.00	6.30	6.57	6.83	7.03	7.17	7.30	7.41	7.52
Residential Tier 2 - 9 to 15,000 gals	6.07	6.37	6.69	6.97	7.25	7.47	7.62	7.75	7.87	7.99
Residential Tier 3 - > 15,000 gals	7.26	7.62	8.00	8.34	8.67	8.93	9.11	9.27	9.41	9.55
Multi-Family Tier 1 - < 9,000 gals	5.71	6.00	6.30	6.57	6.83	7.03	7.17	7.30	7.41	7.52
Multi-Family Tier 2 - 9 to 15,000 gals	6.00	6.30	6.62	6.90	7.18	7.40	7.55	7.68	7.80	7.92
Multi-Family Tier 3 - > 15,000 gals	6.13	6.44	6.76	7.05	7.33	7.55	7.70	7.83	7.95	8.07
Commercial All Tiers	5.71	6.00	6.30	6.57	6.83	7.03	7.17	7.30	7.41	7.52
County & Schools All Tiers	5.71	6.00	6.30	6.57	6.83	7.03	7.17	7.30	7.41	7.52
Customer Charge per Meter Size										
= or < 1.25"	10.81	11.35	11.92	12.43	12.93	13.32	13.59	13.83	14.04	14.25
1.5"	34.25	35.96	37.76	39.36	40.93	42.16	43.00	43.75	44.41	45.08
2"	51.12	53.68	56.36	58.76	61.11	62.94	64.20	65.32	66.30	67.29
2.5" to 3"	100.87	105.91	111.21	115.94	120.58	124.20	126.68	128.90	130.83	132.79
4"	171.77	180.36	189.38	197.43	205.33	211.49	215.72	219.50	222.79	226.13
6"	362.62	380.75	399.79	416.78	433.45	446.45	455.38	463.35	470.30	477.35
8"	599.13	629.09	660.54	688.61	716.15	737.63	752.38	765.55	777.03	788.69

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Water Production

1.50%	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
Expenditure Forecast										
Supervision and Operations	673,964	684,073	694,334	704,749	715,321	726,050	736,941	747,995	759,215	770,603
Pumping Power	821,157	833,474	845,976	858,666	871,546	884,619	897,889	911,357	925,027	938,903
Wells	132,155	134,138	136,150	138,192	140,265	142,369	144,504	146,672	148,872	151,105
Booster Pump Stations	130,755	132,717	134,708	136,728	138,779	140,861	142,974	145,118	147,295	149,504
Treatment	155,563	157,896	160,265	162,669	165,109	167,585	170,099	172,651	175,240	177,869
Storage Tanks	42,378	43,013	43,659	44,313	44,978	45,653	46,338	47,033	47,738	48,454
Transmission Lines	212,811	216,004	219,244	222,532	225,870	229,258	232,697	236,188	239,731	243,327
Capital Project Inspection & Support	14,093	14,304	14,519	14,736	14,957	15,182	15,409	15,641	15,875	16,113
Non Potable System	273,175	277,273	281,432	285,653	289,938	294,287	298,702	303,182	307,730	312,346
Ski Hill	17,619	17,884	18,152	18,424	18,701	18,981	19,266	19,555	19,848	20,146
Interdepartmental Charges	326,610	331,510	336,482	341,530	346,652	351,852	357,130	362,487	367,924	373,443
Administrative Division Allocation	686,075	696,366	706,811	717,413	728,175	739,097	750,184	761,437	772,858	784,451
State Water Tax	45,000	45,675	46,360	47,056	47,761	48,478	49,205	49,943	50,692	51,453
Debt Service	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Capital	5,855,000	861,985	861,985	861,985	861,985	861,985	861,985	861,985	861,985	861,985
Capital Paid with Debt/Grants/Reimb	2,380,000	780,000	750,000	5,325,000	1,300,000	400,000	633,000	1,000,000	350,000	350,000
Capital Paid with Cash	3,475,000	81,985	111,985	(4,463,016)	(438,016)	461,985	228,985	(138,016)	511,985	511,985
Total Operations Expenses	3,789,729	3,891,240	3,994,231	4,337,974	4,439,969	4,428,601	4,362,096	4,466,419	4,564,732	4,624,404
Total Capital Expenditures	8,235,000	1,641,985	1,611,985	6,186,985	2,161,985	1,261,985	1,494,985	1,861,985	1,211,985	1,211,985
Less Capital Paid by WTB/Other	(2,380,000)	(780,000)	(750,000)	(5,325,000)	(1,300,000)	(400,000)	(633,000)	(1,000,000)	(350,000)	(350,000)
Total Cash Requirements	9,644,729	4,753,225	4,856,215	5,199,959	5,301,953	5,290,585	5,224,081	5,328,403	5,426,717	5,486,389
Revenue Forecast										
Non-potable										
Non-potable production in kgals	90,400	94,500	94,500	108,600	136,500	136,500	136,500	136,500	136,500	136,501
Revenue per kgal	$ 1.94	$ 1.70	$ 1.70	$ 1.70	$ 1.70	$ 1.70	$ 1.70	$ 1.70	$ 1.70	$ 1.70
Non-potable rate per 1000 gallons	$ 2.50	$ 2.50	$ 2.50	$ 2.50	$ 2.50	$ 2.50	$ 2.50	$ 2.50	$ 2.50	$ 2.50
Rate Increase Percentage										
Non-potable sales revenue	$ 175,663	$ 160,650	$ 160,650	$ 184,620	$ 232,050	$ 232,050	$ 232,050	$ 232,050	$ 232,050	$ 232,052

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Water Production

1.50%	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
Potable										
Production in thousand gallons	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000
Revenue per thousand gallons	$ 3.65	$ 3.65	$ 3.65	$ 3.65	$ 3.65	$ 3.65	$ 3.65	$ 3.65	$ 3.65	$ 3.65
Rate Increase Percentage										
Potable sales revenue	$ 4,197,500	$ 4,197,500	$ 4,197,500	$ 4,197,500	$ 4,197,500	$ 4,197,500	$ 4,197,500	$ 4,197,500	$ 4,197,500	$ 4,197,500
Total Sales Revenue	**$ 4,373,163**	**$ 4,358,150**	**$ 4,358,150**	**$ 4,382,120**	**$ 4,429,550**	**$ 4,429,550**	**$ 4,429,550**	**$ 4,429,550**	**$ 4,429,550**	**$ 4,429,552**
Repayment & Interest on Inter-Utility Loans	187,569	187,569	187,569	187,569	187,569	93,784	-	-	-	-
Interest on Utility Reserves	79,426	108,744	119,376	128,173	200,930	213,492	211,410	212,315	217,144	210,821
Bond Federal Subsidy	27,576	27,576	27,576	27,576	21,338	14,940	10,459	8,496	8,496	8,497
Econ Dev Fund/Ski Hill Reimb	-									
Federal or State Grant/Loan	2,380,000	780,000	750,000	5,325,000	1,300,000	400,000	633,000	1,000,000	350,000	350,000
Total Cash Inflow	7,047,734	5,462,039	5,442,671	10,050,438	6,139,387	5,151,765	5,284,418	5,650,360	5,005,190	4,998,870
R&R and Cash Flows										
Net Cash Flow	(2,596,996)	708,815	586,456	4,850,479	837,434	(138,820)	60,338	321,957	(421,527)	(487,519)
Cumulative Net Cash Flow	(3,119,964)	(2,411,149)	(1,824,693)	3,025,786	3,863,220	3,724,400	3,784,738	4,106,695	3,685,168	3,197,648
Cash Balance	7,249,606	7,958,420	8,544,877	13,395,356	14,232,790	14,093,970	14,154,307	14,476,265	14,054,737	13,567,218
Recommended Cash Balance	2,783,297	2,869,913	2,957,785	3,286,183	3,372,602	3,345,425	3,262,874	3,350,909	3,432,692	3,475,584

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020 through FY2029
Water Fund Cash Reserve Analysis

	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
WATER DIST & PROD CASH RESERVES										
Combined Cash Balance DW & WP	8,149,477	9,907,962	11,587,241	17,766,460	20,166,517	21,771,726	23,694,817	25,985,645	27,623,258	29,288,472
Recommended Cash Balance (DW)	1,121,265	983,562	998,315	1,013,290	1,028,489	1,043,917	1,059,576	1,075,469	1,091,601	1,107,975
Recommended Cash Balance (WP)	2,783,297	2,869,913	2,957,785	3,286,183	3,372,602	3,345,425	3,262,874	3,350,909	3,432,692	3,475,584
Recommended Cash Balance	**3,904,563**	**3,853,475**	**3,956,100**	**4,299,473**	**4,401,092**	**4,389,342**	**4,322,449**	**4,426,379**	**4,524,293**	**4,583,560**
TARGET RESERVE BALANCES										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	2,886,943	2,775,725	2,817,361	2,859,621	2,902,516	2,946,053	2,990,244	3,035,098	3,080,624	3,126,834
Capital Expenditures Reserve	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)
Contingency Reserve	772,669	784,259	796,023	807,963	820,082	832,384	844,869	857,542	870,406	883,462
	3,904,563	3,853,475	3,956,100	4,299,473	4,401,092	4,389,342	4,322,449	4,426,379	4,524,293	4,583,560
RESERVE BALANCE FORECAST										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	2,886,943	2,775,725	2,817,361	2,859,621	2,902,516	2,946,053	2,990,244	3,035,098	3,080,624	3,126,834
Capital Expenditures Reserve	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)	(13,423)
Contingency Reserve	772,669	784,259	796,023	807,963	820,082	832,384	844,869	857,542	870,406	883,462
Total Cash Remaining	**4,244,914**	**6,054,488**	**7,631,141**	**13,466,987**	**15,765,425**	**17,382,384**	**19,372,367**	**21,559,266**	**23,098,965**	**24,704,913**

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Wastewater Division

1.50%	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
EXPENSE FORECAST										
WASTEWATER COLLECTION										
Supervision, Misc Direct Admin	303,641	308,196	312,819	317,511	322,274	327,108	332,014	336,995	342,049	347,180
Wastewater Collection Operations	344,677	349,847	355,094	360,421	365,827	371,315	376,884	382,538	388,276	394,100
Sewer Lift Stations	160,120	162,521	164,959	167,434	169,945	172,494	175,082	177,708	180,373	183,079
Capital Project Inspection & Support	4,108	4,169	4,232	4,295	4,360	4,425	4,491	4,559	4,627	4,697
Total WWC Operations Expenses	812,545	824,733	837,104	849,661	862,405	875,342	888,472	901,799	915,326	929,056
WASTEWATER TREATMENT										
LA WWTP Operations & Maintenance	1,315,048	1,334,773	1,354,795	1,375,117	1,395,744	1,416,680	1,437,930	1,459,499	1,481,391	1,503,612
WR WWTP Operations & Maintenance	360,712	366,122	371,614	377,188	382,846	388,589	394,418	400,334	406,339	412,434
Total WWT Operations Expenses	1,675,759	1,700,896	1,726,409	1,752,305	1,778,590	1,805,269	1,832,348	1,859,833	1,887,730	1,916,046
Interdepartmental Charges	602,162	611,195	620,363	629,668	639,113	648,700	658,430	668,307	678,331	688,506
Administrative Division Allocation	769,214	780,753	792,464	804,351	816,416	828,662	841,092	853,709	866,514	879,512
Operations encumbrances rolled forward										
Debt Service (WWT)	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Capital	520,000	673,602	673,602	673,602	673,602	673,602	673,602	673,602	673,602	673,602
Total Operations Expenses	4,557,995	5,542,700	5,601,463	5,661,108	5,721,649	5,689,312	5,657,897	5,721,202	5,782,115	5,847,334
Total Capital Expenditures	520,000	673,602	673,602	673,602	673,602	673,602	673,602	673,602	673,602	673,602
Total Cash Requirements	5,077,995	6,216,302	6,275,066	6,334,711	6,395,251	6,362,914	6,331,499	6,394,804	6,455,717	6,520,937
REVENUE FORECAST										
Mgal Processed	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*
Res'l Single-Family Flat Rate Customers	6,629	6,629	6,629	6,629	6,629	6,629	6,629	6,629	6,629	6,629
Res'l Single Family Flat Rate	42.66	44.79	46.69	48.32	49.53	50.52	51.40	52.17	52.95	53.74
Res'l Single-Family Service Charge	11.78	12.37	12.90	13.35	13.68	13.95	14.19	14.40	14.62	14.84
Rate Increase Percentage	***6.25%***	***5.00%***	***4.25%***	***3.50%***	***2.50%***	***2.00%***	***1.75%***	***1.50%***	***1.50%***	***1.50%***
Total Revenue from Res'l SF Flat Rate	4,287,287	4,501,494	4,692,863	4,856,668	4,977,947	5,077,175	5,165,378	5,242,555	5,321,308	5,400,848

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Wastewater Division

		BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
	1.50%										
Res'l Multi-Family Flat Rate Customers		75	75	75	75	75	75	75	75	75	75
Res'l Multi-Family Service Charge		11.78	12.37	12.90	13.35	13.68	13.95	14.19	14.40	14.62	29.46
No. of Res'l Multi-Family Dwelling Units		1,585	1,585	1,585	1,585	1,585	1,585	1,585	1,585	1,585	1,585
Res'l Multi-Family Flat Rate		35.54	37.32	38.91	40.27	41.28	42.11	42.85	43.49	44.14	88.94
Rate Increase Percentage		***6.25%***	***5.00%***	***4.25%***	***3.50%***	***2.50%***	***2.00%***	***1.75%***	***1.50%***	***1.50%***	***101.50%***
Total Revenue from Res'l MF Flat Rate		645,378	677,702	706,578	731,273	749,610	764,678	778,111	789,731	801,539	1,615,064
Non-Residential Customers		291	291	291	291	291	291	291	291	291	292
Non-Residential Service Charge		11.78	12.37	12.90	13.35	13.68	13.95	14.19	14.40	14.62	29.46
Non-Residential Sales in Kgal	-0.20%	45,572	45,481	45,390	45,299	45,209	45,118	45,028	44,938	44,848	44,758
Adjustment Factor		1.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Adjusted Non-Residential Sales in Kgal		46,370	45,481	45,390	45,299	45,209	45,118	45,028	44,938	44,848	89,516
Non-Res'l Commodity Charge per Kgal		20.08	21.08	21.98	22.75	23.32	23.79	24.21	24.57	24.94	50.25
Rate Increase Percentage		***6.25%***	***5.00%***	***4.25%***	***3.50%***	***2.50%***	***2.00%***	***1.75%***	***1.50%***	***1.50%***	***101.50%***
Total Revenue from Non-Residential		943,068	971,875	1,011,435	1,044,858	1,068,972	1,088,411	1,105,486	1,119,775	1,134,474	4,463,388
Total Sales Revenue		5,582,581	6,151,070	6,410,875	6,632,799	6,796,529	6,930,264	7,048,975	7,152,061	7,257,320	11,479,299
Interest on Utility Reserves		35,667	58,643	58,479	63,336	72,371	84,213	100,502	120,951	142,906	166,519
Inter-Utility Loan											
Loan Proceeds		520,000									
Revenue on Recoverable Work		-	-	-	-	-	-	-	-	-	-
Total Cash Inflow		6,138,248	6,209,714	6,469,354	6,696,135	6,868,900	7,014,476	7,149,477	7,273,012	7,400,226	11,645,818
Net Cash Flow		1,060,252	(6,589)	194,288	361,424	473,649	651,562	817,977	878,208	944,509	5,124,881
Cumulative Net Cash Flow		663,087	656,499	850,787	1,212,211	1,685,861	2,337,423	3,155,400	4,033,609	4,978,118	10,102,999
Cash Balance		2,345,731	2,339,143	2,533,431	2,894,855	3,368,505	4,020,067	4,838,044	5,716,252	6,660,762	11,785,643
Recommended Cash Balance		3,849,953	3,949,899	3,984,771	4,020,165	4,056,091	3,998,771	3,941,998	3,979,564	4,014,353	5,013,891

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020 through FY2029
Wastewater Fund Cash Reserve Analysis

	BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027	FORECAST 2028	FORECAST 2029
WASTEWATER UTILITY CASH RESERVES										
Cash Balance *	2,345,731	2,339,143	2,533,431	2,894,855	3,368,505	4,020,067	4,838,044	5,716,252	6,660,762	11,785,643
Recommended Cash Balance	**3,849,953**	**3,949,899**	**3,984,771**	**4,020,165**	**4,056,091**	**3,998,771**	**3,941,998**	**3,979,564**	**4,014,353**	**5,013,891**
TARGET RESERVE BALANCES										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,929,840	1,958,788	1,988,170	2,017,992	2,048,262	2,078,986	2,110,171	2,141,824	2,173,951	2,206,560
Capital Expenditures Reserve	861,219	-	-	-	-	-	-	-	-	960,835
Contingency Reserve	360,579	365,987	371,477	377,049	382,705	388,446	394,272	400,186	406,189	412,282
	3,849,953	3,949,899	3,984,771	4,020,165	4,056,091	3,998,771	3,941,998	3,979,564	4,014,353	5,013,891
RESERVE BALANCE FORECAST										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,647,417	714,019	908,307	1,269,732	1,743,381	2,078,986	2,110,171	2,141,824	2,173,951	2,206,560
Capital Expenditures Reserve	-	-	-	-	-	-	-	-	-	960,835
Contingency Reserve	-	-	-	-	-	388,446	394,272	400,186	406,189	412,282
Total Cash Remaining	**-**	**-**	**-**	**-**	**-**	**21,295**	**896,046**	**1,736,688**	**2,646,408**	**6,771,751**

Projected Average Bill for Residential

	ELECTRIC 500 kwh	GAS 75 therms (assumes $0.30 variable)	WATER 6,000 gal	SEWER	Total (excludes refuse)	Total % annual Increase	Total cumulative % Increase
FY2020	$69.60	$49.25	$45.10	$54.45	$218.40	3.09%	6%
FY2021	$69.60	$49.25	$47.35	$57.17	$223.37	2.28%	9%
FY2022	$69.60	$49.25	$49.72	$59.60	$228.17	2.15%	11%
FY2023	$69.60	$49.25	$51.83	$61.69	$232.37	1.84%	13%
FY2024	$69.60	$49.25	$53.91	$63.23	$235.98	1.56%	15%
FY2025	$69.60	$49.25	$55.52	$64.49	$238.87	1.22%	16%
FY2026	$69.60	$49.25	$56.63	$65.62	$241.11	0.94%	17%
FY2027	$69.60	$49.25	$57.62	$66.61	$243.08	0.82%	18%
FY2028	$69.60	$49.25	$58.49	$67.61	$244.94	0.77%	19%
FY2029	$69.60	$49.25	$59.37	$68.62	$246.84	0.77%	20%

Utility Expense as a Percentage of Income

	Total Bill for Average Household	Los Alamos Median Household Income	Assumed Annual Income Increase	Percentage Needed to Pay Utility Bill
FY2020	$218.40	$108,639	2.5%	2.41%
FY2021	$223.37	$111,355	2.5%	2.41%
FY2022	$228.17	$114,139	2.5%	2.40%
FY2023	$232.37	$116,992	2.5%	2.38%
FY2024	$235.98	$119,917	2.5%	2.36%
FY2025	$238.87	$122,915	2.5%	2.33%
FY2026	$241.11	$125,988	2.5%	2.30%
FY2027	$243.08	$129,137	2.5%	2.26%
FY2028	$244.94	$132,366	2.5%	2.22%
FY2029	$246.84	$135,675	2.5%	2.18%