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	580,507	589,215	598,053	607,024	616,129	625,371	634,752	644,273	653,937	663,746
Substation Maintenance	33,768	34,274	34,788	35,310	35,840	36,377	36,923	37,477	38,039	38,610
Switching Station Maintenance	52,717	53,508	54,310	55,125	55,952	56,791	57,643	58,507	59,385	60,276
Overhead Maintenance	519,375	527,166	535,074	543,100	551,246	559,515	567,908	576,426	585,073	593,849
Underground Maintenance	386,740	392,541	398,430	404,406	410,472	416,629	422,879	429,222	435,660	442,195
Meter Maintenance	90,167	91,519	92,892	94,285	95,699	97,135	98,592	100,071	101,572	103,096
Interdepartmental Charges	724,306	735,171	746,198	757,391	768,752	780,283	791,988	803,867	815,925	828,164
Administrative Division Allocation	868,810	881,842	895,070	908,496	922,123	935,955	949,994	964,244	978,708	993,389
In Lieu Taxes	553,891	406,419	409,768	413,151	416,567	420,018	423,503	427,022	430,577	430,577
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	626,552	633,752	641,024	648,369	655,788	663,281	670,848	678,492	678,492
Cost of Power	6,017,156	6,101,620	6,198,340	6,145,624	5,275,355	5,467,262	5,599,527	5,921,880	6,009,011	6,028,849
Total Operations Expenses	11,691,609	11,693,271	11,730,584	11,587,313	10,781,282	11,066,940	11,425,299	11,812,149	11,964,690	12,039,554
Capital	1,400,000	757,500	714,070	721,211	2,879,005	2,907,795	2,936,873	2,251,484	2,273,999	2,296,739
Total Cash Requirements	13,091,609	12,450,771	12,444,654	12,308,524	13,660,287	13,974,735	14,362,172	14,063,634	14,238,689	14,336,293
Revenue Forecast										
KWh Sales	121,140,000	122,533,734	123,941,892	125,364,131	126,800,592	128,251,418	129,716,752	131,196,739	132,691,527	132,691,527
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	14,570,969	14,738,419	14,907,543	15,078,358	15,250,882	15,425,130	15,601,121	15,778,872	15,778,872
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	-	96,381	159,947	229,441	308,303	359,566	408,514	453,223	510,636	569,552
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	54,500	54,500	54,500	54,500	54,500	54,500	54,500	54,500	54,500	54,500
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	14,529,188	14,993,394	15,224,409	15,463,027	15,710,808	15,932,648	16,150,504	16,360,176	16,595,340	16,654,258
R&R and Cash Flows										
Net Cash Flow	1,437,579	2,542,623	2,779,755	3,154,503	2,050,521	1,957,914	1,788,333	2,296,542	2,356,652	2,317,965
Cumulative Net Cash Flow	1,641,516	4,184,139	6,963,894	10,118,397	12,168,919	14,126,832	15,915,165	18,211,707	20,568,359	22,886,324
Cash Balance	3,855,256	6,397,879	9,177,634	12,332,138	14,382,659	16,340,572	18,128,905	20,425,447	22,782,099	25,100,064
Recommended Cash Balance	11,098,211	11,166,579	11,041,997	10,068,504	10,311,766	10,524,684	11,059,813	11,197,900	11,269,380	11,380,211

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2020-FY2029
Electric 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										
Total Cash Requirements	40,373,670	41,644,707	43,622,206	45,875,383	39,694,456	42,873,700	43,756,385	53,527,635	56,606,141	56,944,217
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	**$48.23**	**$49.09**	**$47.20**	**$48.91**	**$41.54**	**$42.67**	**$43.43**	**$45.11**	**$45.31**	**$45.44**
DOE Revenues	28,613,163	31,399,418	33,506,565	35,262,827	29,789,322	32,626,932	33,185,822	42,458,120	45,238,060	45,360,911
Economy Sales	4,183,283	3,850,925	3,955,233	4,146,575	4,312,539	4,465,464	4,660,582	4,841,702	5,053,136	5,248,523
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	6,017,156	6,101,620	6,198,340	6,145,624	5,275,355	5,467,262	5,599,527	5,921,880	6,009,011	6,028,849
Total Cash Inflow	38,977,585	41,515,947	43,824,123	45,719,009	39,538,083	42,717,327	43,600,012	53,371,262	56,449,767	56,787,843
Net Cash Flow	(1,396,084)	(128,760)	201,917	(156,373)	(156,373)	(156,373)	(156,373)	(156,373)	(156,373)	(156,373)
Cumulative Net Cash Flow	(1,396,084)	(1,524,844)	(1,322,928)	(1,479,301)	(1,635,675)	(1,792,048)	(1,948,421)	(2,104,795)	(2,261,168)	(2,417,541)
Cash Balance	12,279,980	12,151,220	12,353,137	12,196,763	12,040,390	11,884,017	11,727,643	11,571,270	11,414,897	11,258,523
Recommended Cash Balance	18,794,850	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	16,135,236	18,549,099	21,530,771	24,528,901	26,423,049	28,224,589	29,856,549	31,996,717	34,196,996	36,358,588
Recommended Cash Balance (ED)	11,098,211	11,166,579	11,041,997	10,068,504	10,311,766	10,524,684	11,059,813	11,197,900	11,269,380	11,380,211
Recommended Cash Balance (EP)	18,794,850	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	**29,893,061**	**29,779,339**	**29,840,884**	**29,055,379**	**29,488,510**	**29,893,196**	**30,622,010**	**30,955,719**	**31,224,778**	**31,535,162**
TARGET RESERVE BALANCES										
Debt Service Reserve	4,028,191	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	6,609,686	6,889,208	8,619,894	8,975,822	10,057,819	10,688,511	11,261,689	11,919,583	12,592,660	13,168,790
Capital Expenditures Reserve	1,972,900	1,626,129	1,749,491	1,802,986	1,376,615	1,390,382	1,404,285	1,418,328	1,432,512	1,446,837
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	6,101,620	6,198,340	6,145,624	5,275,355	5,467,262	5,599,527	5,921,880	6,009,011	6,028,849	6,089,138
	29,893,061	29,779,339	29,840,884	29,055,379	29,488,510	29,893,196	30,622,010	30,955,719	31,224,778	31,535,162
RESERVE BALANCE FORECAST										
Debt Service Reserve	4,028,191	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	1,441,494	4,006,277	8,619,894	8,975,822	10,057,819	10,688,511	11,261,689	11,919,583	12,592,660	13,168,790
Capital Expenditures Reserve	-	-	115,684	1,802,986	1,376,615	1,390,382	1,404,285	1,418,328	1,432,512	1,446,837
Contingency Reserve	-	-	-	538,642	546,722	554,922	563,246	571,695	580,270	588,974
Rate Stabilization Reserve	-	-	-	748,877	2,401,800	3,930,920	5,156,419	6,009,011	6,028,849	6,089,138
Total Cash Remaining	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,040,998**	**2,972,218**	**4,823,425**

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	281,596	285,820	290,107	294,459	298,876	303,359	307,909	312,528	317,216	321,974
Customer Service	62,917	63,861	64,819	65,791	66,778	67,780	68,797	69,829	70,876	71,939
Gas Distribution	270,141	274,193	278,306	282,480	286,718	291,018	295,384	299,814	304,312	308,876
Gas Meters	134,475	136,492	138,539	140,617	142,727	144,867	147,041	149,246	151,485	153,757
Capital Support & Inspection	6,158	6,250	6,344	6,439	6,536	6,634	6,733	6,834	6,937	7,041
Interdepartmental Charges	390,244	396,098	402,039	408,070	414,191	420,404	426,710	433,110	439,607	446,201
Administrative Division Allocation	639,210	648,798	658,530	668,408	678,434	688,610	698,940	709,424	720,065	730,866
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	212,944	214,552	216,578	219,628	223,290	226,863	230,614	235,934	239,506
Cost of Gas	1,938,510	1,895,288	1,929,713	1,973,088	2,038,419	2,116,832	2,193,332	2,273,657	2,387,565	2,464,065
TOTAL Operations Expenses	4,226,106	4,143,465	4,206,671	4,279,652	4,376,028	4,486,516	4,595,429	4,708,778	4,857,718	4,967,948
Capital	25,000	50,500	286,648	298,787	311,141	322,660	336,502	349,516	363,840	377,321
TOTAL Cash Requirements	**4,251,106**	**4,193,965**	**4,493,319**	**4,578,439**	**4,687,169**	**4,809,176**	**4,931,931**	**5,058,294**	**5,221,558**	**5,345,269**
Total Cash Requirements less COG	*2,312,596*	*2,298,678*	*2,563,606*	*2,605,351*	*2,648,750*	*2,692,345*	*2,738,599*	*2,784,637*	*2,833,993*	*2,881,204*
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	$ 0.230
Rate Increase Percentage										
Cost of Gas Sales Revenue	1,938,510	1,895,288	1,929,713	1,973,088	2,038,419	2,116,832	2,193,332	2,273,657	2,387,565	2,464,065
Sales Rev from Fixed/Svc Chg	4,038,644	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546	2,664,546
Total Sales Revenue	5,977,154	4,559,834	4,594,259	4,637,634	4,702,965	4,781,378	4,857,878	4,938,203	5,052,111	5,128,611
Interest on Utility Reserves	30,496	59,098	65,777	68,586	70,817	72,434	73,427	73,746	73,383	72,280
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	4,639,231	4,680,640	4,727,134	4,795,009	4,875,358	4,953,173	5,034,145	5,148,024	5,223,759
R&R and Cash Flows										
Net Cash Flow	1,776,544	445,266	187,321	148,694	107,840	66,181	21,243	(24,149)	(73,533)	(121,510)
Cummulative net cash flow	553,506	998,772	1,186,093	1,334,787	1,442,627	1,508,808	1,530,051	1,505,902	1,432,369	1,310,859
Cash Balance	3,939,834	4,385,100	4,572,421	4,721,115	4,828,955	4,895,136	4,916,379	4,892,230	4,818,697	4,697,187
Recommended Cash Balance	1,312,288	1,565,685	1,595,331	1,625,455	1,655,011	1,687,160	1,718,757	1,751,941	1,784,566	1,785,678

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	3,939,834	4,385,100	4,572,421	4,721,115	4,828,955	4,895,136	4,916,379	4,892,230	4,818,697	4,697,187
Recommended Cash Balance	**1,312,288**	**1,565,685**	**1,595,331**	**1,625,455**	**1,655,011**	**1,687,160**	**1,718,757**	**1,751,941**	**1,784,566**	**1,785,678**
TARGET RESERVE BALANCES										
Operations Reserve	1,004,231	1,017,617	1,031,203	1,044,993	1,058,990	1,073,197	1,087,617	1,102,254	1,117,110	1,132,188
Capital Expenditures Reserve	50,500	286,648	298,787	311,141	322,660	336,502	349,516	363,840	377,321	359,002
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*	-	-	-	-	-	-	-	-	-	-
	1,312,288	1,565,685	1,595,331	1,625,455	1,655,011	1,687,160	1,718,757	1,751,941	1,784,566	1,785,678
RESERVE BALANCE FORECAST										
Operations Reserve	1,004,231	1,017,617	1,031,203	1,044,993	1,058,990	1,073,197	1,087,617	1,102,254	1,117,110	1,132,188
Capital Expenditures Reserve	50,500	286,648	298,787	311,141	322,660	336,502	349,516	363,840	377,321	359,002
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	**2,627,547**	**2,819,415**	**2,977,089**	**3,095,660**	**3,173,944**	**3,207,976**	**3,197,622**	**3,140,289**	**3,034,131**	**2,911,509**
** 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	241,000	244,615	248,285	252,009	255,789	259,626	263,520	267,473	271,485	275,557
Hydrants	-	-	-	-	-	-	-	-	-	-
Water Distribution	418,621	424,900	431,274	437,743	444,309	450,974	457,738	464,605	471,574	478,647
Water Meters	599,820	299,820	304,317	308,882	313,515	318,218	322,991	327,836	332,753	337,745
Capital Project Inspections & Support	6,158	6,250	6,344	6,439	6,536	6,634	6,733	6,834	6,937	7,041
Interdepartmental Charges	333,426	338,427	343,504	348,656	353,886	359,194	364,582	370,051	375,602	381,236
Administrative Division Allocation	637,128	646,685	656,385	666,231	676,225	686,368	696,664	707,114	717,720	728,486
Cost of Water	2,985,026	3,208,500	3,348,000	3,479,750	3,580,500	3,650,250	3,712,250	3,766,500	3,820,750	3,875,000
Capital	-	50,500	688,568	463,635	483,881	525,505	546,683	568,714	591,634	820,264
Total Operation Expenses	5,221,179	5,169,198	5,338,109	5,499,711	5,630,760	5,731,264	5,824,479	5,910,413	5,996,821	6,083,712
Total Capital Expenditures	0	50,500	688,568	463,635	483,881	525,505	546,683	568,714	591,634	820,264
Total Expenditures	5,221,179	5,219,698	6,026,676	5,963,346	6,114,641	6,256,769	6,371,162	6,479,127	6,588,455	6,903,976
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	$ 6.99	$ 7.29	$ 7.58	$ 7.81	$ 7.96	$ 8.10	$ 8.22	$ 8.35	$ 8.47	$ 8.60
Rate Increase Percentage	**5.00%**	**4.25%**	**4.00%**	**3.00%**	**2.00%**	**1.75%**	**1.50%**	**1.50%**	**1.50%**	**1.50%**
Total Sales Revenue	5,418,608	5,648,899	5,874,855	6,051,100	6,172,122	6,280,135	6,374,337	6,469,952	6,567,001	6,665,506
Interest on Utility Reserves	-	-	-	-	-	-	-	-	-	-
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	5,448,608	5,679,349	5,905,761	6,082,471	6,203,963	6,312,453	6,407,140	6,503,247	6,600,796	6,699,808
R&R and Cash Flows										
Net Cash Flow	227,428	459,650	(120,915)	119,125	89,322	55,684	35,978	24,120	12,341	(204,169)
Cumulative Net Cash Flow	232,070	691,721	570,806	689,930	779,253	834,937	870,915	895,035	907,375	703,207
Cash Balance	(2,933,336)	(2,473,686)	(2,594,601)	(2,475,476)	(2,386,153)	(2,330,469)	(2,294,491)	(2,270,371)	(2,258,031)	(2,462,199)
Recommended Cash Balance	1,748,985	1,617,567	1,638,644	1,660,006	1,681,656	1,703,598	1,725,836	1,748,375	1,771,219	1,794,371

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

Rates										
Commodity rate per kgal										
Residential Tier 1 - < 9,000 gals	5.55	5.79	6.02	6.20	6.32	6.43	6.53	6.63	6.73	6.83
Residential Tier 2 - 9 to 15,000 gals	5.90	6.15	6.40	6.59	6.72	6.84	6.94	7.04	7.15	7.26
Residential Tier 3 - > 15,000 gals	7.06	7.36	7.65	7.88	8.04	8.18	8.30	8.42	8.55	8.68
Multi-Family Tier 1 - < 9,000 gals	5.55	5.79	6.02	6.20	6.32	6.43	6.53	6.63	6.73	6.83
Multi-Family Tier 2 - 9 to 15,000 gals	5.84	6.09	6.33	6.52	6.65	6.77	6.87	6.97	7.07	7.18
Multi-Family Tier 3 - > 15,000 gals	5.96	6.21	6.46	6.65	6.78	6.90	7.00	7.11	7.22	7.33
Commercial All Tiers	5.55	5.79	6.02	6.20	6.32	6.43	6.53	6.63	6.73	6.83
County & Schools All Tiers	5.55	5.79	6.02	6.20	6.32	6.43	6.53	6.63	6.73	6.83
Customer Charge per Meter Size										
= or < 1.25"	10.51	10.96	11.40	11.74	11.97	12.18	12.36	12.55	12.74	12.93
1.5"	33.30	34.72	36.11	37.19	37.93	38.59	39.17	39.76	40.36	40.97
2"	49.70	51.81	53.88	55.50	56.61	57.60	58.46	59.34	60.23	61.13
2.5" to 3"	98.07	102.24	106.33	109.52	111.71	113.66	115.36	117.09	118.85	120.63
4"	167.00	174.10	181.06	186.49	190.22	193.55	196.45	199.40	202.39	205.43
6"	352.55	367.53	382.23	393.70	401.57	408.60	414.73	420.95	427.26	433.67
8"	582.49	607.25	631.54	650.49	663.50	675.11	685.24	695.52	705.95	716.54

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	671,044	681,110	691,327	701,696	712,222	722,905	733,749	744,755	755,926	767,265
Pumping Power	821,157	833,474	845,976	858,666	871,546	884,619	897,889	911,357	925,027	938,903
Wells	131,803	133,780	135,787	137,824	139,891	141,989	144,119	146,281	148,475	150,702
Booster Pump Stations	130,403	132,359	134,345	136,360	138,405	140,481	142,588	144,727	146,898	149,102
Treatment	155,269	157,598	159,962	162,362	164,797	167,269	169,778	172,325	174,910	177,533
Storage Tanks	42,202	42,835	43,477	44,129	44,791	45,463	46,145	46,837	47,540	48,253
Transmission Lines	212,342	215,527	218,760	222,041	225,372	228,753	232,184	235,667	239,202	242,790
Capital Project Inspection & Support	14,034	14,244	14,458	14,675	14,895	15,118	15,345	15,575	15,809	16,046
Non Potable System	272,560	276,648	280,798	285,010	289,285	293,624	298,029	302,499	307,037	311,642
Ski Hill	17,575	17,839	18,107	18,378	18,654	18,934	19,218	19,506	19,799	20,096
Interdepartmental Charges	348,171	353,394	358,694	364,075	369,536	375,079	380,705	386,416	392,212	398,095
Administrative Division Allocation	700,114	710,615	721,275	732,094	743,075	754,221	765,535	777,018	788,673	800,503
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	1,655,000	941,600	1,611,985	4,500,000	2,015,936	1,736,885	1,641,444	2,049,621	1,441,520	1,865,848
Capital Paid with Debt/Grants/Reimb	880,000	780,000	750,000	4,500,000	1,300,000	400,000	633,000	1,000,000	350,000	350,000
Capital Paid with Cash	775,000	161,600	861,985	-	715,936	1,336,885	1,008,444	1,049,621	1,091,520	1,515,848
Total Operations Expenses	3,820,048	3,922,013	4,025,465	4,369,677	4,472,148	4,461,262	4,395,247	4,500,067	4,598,886	4,659,070
Total Capital Expenditures	1,655,000	941,600	1,611,985	4,500,000	2,015,936	1,736,885	1,641,444	2,049,621	1,441,520	1,865,848
Less Capital Paid by WTB/Other	(880,000)	(780,000)	(750,000)	(4,500,000)	(1,300,000)	(400,000)	(633,000)	(1,000,000)	(350,000)	(350,000)
Total Cash Requirements	4,595,048	4,083,613	4,887,450	4,369,677	5,188,083	5,798,147	5,403,691	5,549,688	5,690,405	6,174,917
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	$ 1.79	$ 1.86	$ 1.94	$ 2.00	$ 2.04	$ 2.07	$ 2.11	$ 2.14	$ 2.18	$ 2.21
Non-potable rate per 1000 gallons	$ 2.63	$ 2.74	$ 2.85	$ 2.94	$ 3.00	$ 3.05	$ 3.10	$ 3.15	$ 3.20	$ 3.25
Rate Increase Percentage	**5.00%**	**4.25%**	**4.00%**	**3.00%**	**2.00%**	**1.75%**	**1.50%**	**1.50%**	**1.50%**	**1.50%**
Non-potable sales revenue	$ 161,671	$ 176,072	$ 183,141	$ 217,113	$ 278,460	$ 283,101	$ 287,742	$ 292,383	$ 297,024	$ 301,667

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	$ 3.83	$ 3.99	$ 4.15	$ 4.27	$ 4.36	$ 4.44	$ 4.51	$ 4.58	$ 4.65	$ 4.72
Rate Increase Percentage	**5.00%**	**4.25%**	**4.00%**	**3.00%**	**2.00%**	**1.75%**	**1.50%**	**1.50%**	**1.50%**	**1.50%**
Potable sales revenue	$ 4,404,500	$ 4,588,500	$ 4,772,500	$ 4,910,500	$ 5,014,000	$ 5,106,000	$ 5,186,500	$ 5,267,000	$ 5,347,500	$ 5,428,000
Total Sales Revenue	**$ 4,566,171**	**$ 4,764,572**	**$ 4,955,641**	**$ 5,127,613**	**$ 5,292,460**	**$ 5,389,101**	**$ 5,474,242**	**$ 5,559,383**	**$ 5,644,524**	**$ 5,729,667**
Repayment & Interest on Inter-Utility Loans	187,569	187,569	187,569	187,569	187,569	93,784	-	-	-	-
Interest on Utility Reserves	79,426	71,175	85,684	91,219	107,184	113,491	110,688	113,564	115,540	116,713
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	-	-	-	-	-	-	-	-	-	-
Total Cash Inflow	4,860,742	5,050,892	5,256,470	5,433,977	5,608,551	5,611,315	5,595,389	5,681,443	5,768,560	5,854,876
R&R and Cash Flows										
Net Cash Flow	265,694	967,279	369,020	1,064,300	420,468	(186,831)	191,698	131,755	78,155	(320,041)
Cumulative Net Cash Flow	(5,624,578)	(4,657,299)	(4,288,278)	(3,223,978)	(2,803,511)	(2,990,342)	(2,798,644)	(2,666,889)	(2,588,734)	(2,908,775)
Cash Balance	4,744,991	5,712,271	6,081,291	7,145,591	7,566,059	7,379,228	7,570,925	7,702,680	7,780,835	7,460,794
Recommended Cash Balance	4,273,876	4,375,473	4,478,477	4,822,161	4,924,019	4,912,436	4,845,637	4,949,583	5,047,437	5,106,562

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	1,811,656	3,354,835	3,734,691	5,088,616	5,799,906	5,878,008	6,322,684	6,695,559	7,003,055	6,695,845
Recommended Cash Balance (DW)	1,748,985	1,617,567	1,638,644	1,660,006	1,681,656	1,703,598	1,725,836	1,748,375	1,771,219	1,794,371
Recommended Cash Balance (WP)	4,273,876	4,375,473	4,478,477	4,822,161	4,924,019	4,912,436	4,845,637	4,949,583	5,047,437	5,106,562
Recommended Cash Balance	**6,022,861**	**5,993,040**	**6,117,121**	**6,482,167**	**6,605,675**	**6,616,034**	**6,571,473**	**6,697,958**	**6,818,655**	**6,900,933**
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	2,898,914	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	2,092,905	2,113,968	2,135,242	2,156,729	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	772,669	784,259	796,023	807,963	820,082	832,384	844,869	857,542	870,406	883,462
	6,022,861	5,993,040	6,117,121	6,482,167	6,605,675	6,616,034	6,571,473	6,697,958	6,818,655	6,900,933
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	1,553,282	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	-	260,023	548,834	1,571,141	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	-	-	-	-	14,313	94,358	596,080	855,143	870,406	678,374
Total Cash Remaining	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**184,399**	**-**

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	302,427	306,963	311,567	316,241	320,984	325,799	330,686	335,647	340,681	345,791
Wastewater Collection Operations	341,652	346,777	351,978	357,258	362,617	368,056	373,577	379,181	384,868	390,641
Sewer Lift Stations	159,288	161,677	164,102	166,564	169,062	171,598	174,172	176,785	179,437	182,128
Capital Project Inspection & Support	4,058	4,119	4,180	4,243	4,307	4,371	4,437	4,504	4,571	4,640
Total WWC Operations Expenses	807,424	819,536	831,829	844,306	856,971	869,825	882,873	896,116	909,557	923,201
WASTEWATER TREATMENT										
LA WWTP Operations & Maintenance	1,310,004	1,329,654	1,349,599	1,369,843	1,390,391	1,411,247	1,432,415	1,453,902	1,475,710	1,497,846
WR WWTP Operations & Maintenance	358,966	364,350	369,816	375,363	380,993	386,708	392,509	398,396	404,372	410,438
Total WWT Operations Expenses	1,668,970	1,694,005	1,719,415	1,745,206	1,771,384	1,797,955	1,824,924	1,852,298	1,880,083	1,908,284
Interdepartmental Charges	545,371	553,552	561,855	570,283	578,837	587,519	596,332	605,277	614,356	623,572
Administrative Division Allocation	797,400	809,361	821,501	833,824	846,331	859,026	871,912	884,990	898,265	911,739
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	-	13,050,500	-	184,424	878,270	371,007	1,049,843	714,042	406,071	828,467
Total Operations Expenses	4,517,480	5,501,577	5,559,723	5,618,742	5,678,647	5,645,665	5,613,595	5,676,236	5,736,475	5,801,009
Total Capital Expenditures	-	13,050,500	-	184,424	878,270	371,007	1,049,843	714,042	406,071	828,467
Total Cash Requirements	4,517,480	18,552,077	5,559,723	5,803,166	6,556,917	6,016,672	6,663,439	6,390,278	6,142,546	6,629,476
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	42.56	43.84	44.72	44.72	44.72	44.72	44.72	44.72	44.72	44.72
Res'l Single-Family Service Charge	11.76	12.11	12.35	12.35	12.35	12.35	12.35	12.35	12.35	12.35
Rate Increase Percentage	***6.00%***	***3.00%***	***2.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***
Total Revenue from Res'l SF Flat Rate	4,277,837	4,406,203	4,494,406	4,494,406	4,494,406	4,494,406	4,494,406	4,494,406	4,494,406	4,494,406

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
Res'l Multi-Family Flat Rate Customers	75	75	75	75	75	75	75	75	75	75
Res'l Multi-Family Service Charge	11.76	12.11	12.35	12.35	12.35	12.35	12.35	12.35	12.35	12.35
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	35.46	36.52	37.25	37.25	37.25	37.25	37.25	37.25	37.25	37.25
Rate Increase Percentage	***6.00%***	***3.00%***	***2.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***
Total Revenue from Res'l MF Flat Rate	643,931	663,179	676,433	676,433	676,433	676,433	676,433	676,433	676,433	676,433
Non-Residential Customers	291	291	291	291	291	291	291	291	291	292
Non-Residential Service Charge	11.76	12.11	12.35	12.35	12.35	12.35	12.35	12.35	12.35	12.35
Non-Residential Sales in Kgal	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	20.03	20.63	21.04	21.04	21.04	21.04	21.04	21.04	21.04	21.04
Rate Increase Percentage	***6.00%***	***3.00%***	***2.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***	***0.00%***
Total Revenue from Non-Residential	940,752	951,141	968,186	966,333	964,484	962,639	960,797	958,959	957,125	1,868,900
Total Sales Revenue	5,582,581	6,020,524	6,139,025	6,137,173	6,135,324	6,133,478	6,131,637	6,129,799	6,127,965	7,039,740
Interest on Utility Reserves	35,667	85,956	99,816	116,794	128,064	120,726	126,664	116,536	112,937	115,396
Inter-Utility Loan										
Loan Proceeds	-	13,000,000								
Revenue on Recoverable Work	-	-	-	-	-	-	-	-	-	-
Total Cash Inflow	5,618,248	19,106,480	6,238,841	6,253,967	6,263,388	6,254,204	6,258,301	6,246,334	6,240,902	7,155,136
Net Cash Flow	1,100,768	554,403	679,118	450,801	(293,529)	237,532	(405,138)	(143,943)	98,356	525,660
Cumulative Net Cash Flow	1,536,933	2,091,336	2,770,455	3,221,255	2,927,726	3,165,259	2,760,121	2,616,178	2,714,533	3,240,193
Cash Balance	3,438,238	3,992,641	4,671,759	5,122,560	4,829,031	5,066,563	4,661,425	4,517,482	4,615,838	5,141,497
Recommended Cash Balance	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729

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 *	3,438,238	3,992,641	4,671,759	5,122,560	4,829,031	5,066,563	4,661,425	4,517,482	4,615,838	5,141,497
Recommended Cash Balance	**3,829,695**	**4,816,653**	**4,860,089**	**4,904,132**	**4,948,792**	**4,900,292**	**4,852,425**	**4,898,984**	**4,942,855**	**4,990,729**
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	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	861,219	887,315	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	360,579	365,987	371,477	377,049	382,705	388,446	394,272	400,186	406,189	412,282
	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729
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	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	830,341	429,291	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	-	-	183,148	377,049	262,944	388,446	203,273	18,684	79,172	412,282
Total Cash Remaining	**-**	**-**	**-**	**218,428**	**-**	**166,272**	**-**	**-**	**-**	**150,768**

Projected Typical 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	$43.84	$54.32	$217.01	2.44%	6%
FY2021	$69.60	$49.25	$45.71	$55.95	$220.51	1.61%	7%
FY2022	$69.60	$49.25	$47.54	$57.07	$223.46	1.34%	9%
FY2023	$69.60	$49.25	$48.96	$57.07	$224.88	0.64%	9%
FY2024	$69.60	$49.25	$49.94	$57.07	$225.86	0.44%	10%
FY2025	$69.60	$49.25	$50.82	$57.07	$226.73	0.39%	10%
FY2026	$69.60	$49.25	$51.58	$57.07	$227.50	0.34%	11%
FY2027	$69.60	$49.25	$52.35	$57.07	$228.27	0.34%	11%
FY2028	$69.60	$49.25	$53.14	$57.07	$229.06	0.34%	11%
FY2029	$69.60	$49.25	$53.93	$57.07	$229.85	0.35%	12%

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	$217.01	$108,639	2.5%	2.40%
FY2021	$220.51	$111,355	2.5%	2.38%
FY2022	$223.46	$114,139	2.5%	2.35%
FY2023	$224.88	$116,992	2.5%	2.31%
FY2024	$225.86	$119,917	2.5%	2.26%
FY2025	$226.73	$122,915	2.5%	2.21%
FY2026	$227.50	$125,988	2.5%	2.17%
FY2027	$228.27	$129,137	2.5%	2.12%
FY2028	$229.06	$132,366	2.5%	2.08%
FY2029	$229.85	$135,675	2.5%	2.03%