Los Alamos County Utilities Department
Fiscal Year 2018 Budget
Board Presentation 02-15-2017

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Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget

	Actual 2016	Jul-Nov Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
Electric Production	37,416,741	16,774,857	38,384,715	40,936,357	39,424,828
Electric Distribution	14,893,792	7,469,673	16,107,497	15,069,661	15,323,264
Less Interdivision Electric Sales	(8,652,139)	(3,606,802)	(7,000,000)	(7,750,000)	(7,375,000)
Total Electric Fund	43,658,395	20,637,729	47,492,212	48,256,017	47,373,092
Gas	3,797,511	2,883,498	5,564,365	5,410,631	5,547,719
Water Production	4,979,019	2,700,963	11,583,707	4,786,622	11,120,151
Water Distribution	5,028,035	3,537,270	4,619,978	4,643,367	5,376,041
Less Interdivision Water Sales	(2,528,096)	(1,447,493)	(2,456,750)	(2,505,885)	(2,650,500)
Total Water Fund	7,478,958	4,790,740	13,746,935	6,924,104	13,845,693
Wastewater	5,086,077	2,728,520	5,501,226	14,993,314	4,799,382
Total Expenditure Budget	60,020,940	31,040,486	72,304,737	75,584,066	71,565,886

Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget -- ELECTRIC PRODUCTION

	Actual 2016	Jul-Dec Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
REVENUE					
Mwh Sales - LANL	449,550	255,144	556,653	548,242	542,688
Mwh Sales - LAC Distribution	116,469	58,653	123,681	125,536	125,530
Total Mwh Sales	566,018	313,797	680,334	673,778	668,218
Revenue per Mwh	$ 67.15	$ 47.69	$ 51.60	$ 55.94	$ 55.84
DOE Revenues	$ 29,354,498	$ 11,357,971	$ 28,104,483	$ 29,941,469	$ 29,941,469
Economy Sales	2,047,640	1,562,147	3,281,394	3,213,251	3,213,251
Interest on Reserves	18,711	16,310	25,000	25,000	25,000
Bond Federal Subsidy	31,664	16,992	33,984	33,984	33,984
TOTAL REVENUE	$ 31,452,513	$ 12,953,420	$ 31,444,861	$ 33,213,704	$ 33,213,704
OPERATING EXPENSES					
El Vado Generation	$ 492,445	$ 148,576	$ 628,454	$ 488,314	$ 568,653
Abiquiu Generation	324,465	88,683	399,655	399,088	403,881
Contract Administration	20,248	3,179	19,736	20,128	20,048
Load Control	2,067,004	775,343	1,696,876	1,531,455	1,576,030
Transmission - PNM	1,271,864	729,813	1,380,000	1,380,000	1,400,000
Transmission - Other	1,979,500	979,157	2,540,523	2,621,168	2,285,008
Purchased Power	11,684,780	6,167,656	14,147,976	14,972,854	13,219,781
Photovoltaic Array	62,379	21,979	92,000	92,000	117,000
Debt Service		1,251,951	2,529,392	2,536,071	2,635,071
Property Taxes	423,907	274,706	440,212	440,212	488,000
Insurance	106,189	114,844	115,000	115,000	160,000
San Juan Operations	12,729,696	4,136,769	9,354,837	11,425,255	11,213,148
Laramie River Operations	3,933,957	990,194	3,049,225	3,184,154	2,854,600
SMR Project	11,825	28,408	300,000	300,000	450,000
Non-Pool Expenses	-	-	-	-	-
Interdepartmental Charges	368,819	207,845	415,689	415,689	455,373
Administrative Allocation	633,806	294,716	770,140	764,968	903,234
TOTAL OPERATING EXPENSES	$ 36,110,884	$ 16,213,819	$ 37,879,715	$ 40,686,357	$ 38,749,828
OPERATING INCOME (LOSS)	**$ (4,658,371)**	**$ (3,260,399)**	**$ (6,434,854)**	**$ (7,472,653)**	**$ (5,536,124)**
CAPITAL EXPENDITURES					
Capital Expenditures	$ 1,305,857	$ 561,039	$ 505,000	$ 250,000	$ 675,000
OTHER FINANCING Forecast					
Transfer from Distribution Fund	$ 8,652,139	$ 3,606,802	$ 7,000,000	$ 7,750,000	$ 7,375,000
Bond Issue Proceeds		-			
NET INCOME (LOSS)	**$ 2,687,911**	**$ (214,635)**	**$ 60,146**	**$ 27,347**	**$ 1,163,876**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget -- ELECTRIC DISTRIBUTION

	Actual 2016	Jul-Dec Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
REVENUE					
kWh Sales	116,468,682	58,653,104	123,681,000	125,536,000	125,496,000
Revenue per kWh	$ 0.1209	$ 0.1222	$ 0.1220	$ 0.1217	$ 0.1221
Sales Revenue	$ 14,077,035	$ 7,165,908	$ 15,088,911	$ 15,279,913	$ 15,318,453
Interest on Utility Reserves	57,023	35,980	(183,000)	(183,000)	(183,000)
Bond Federal Subsidy	63,316	33,971	67,942	67,942	67,942
Revenue on Recoverable Work	186,391	149,579	150,000	150,000	150,000
TOTAL REVENUE	$ 14,383,765	$ 7,385,438	$ 15,123,853	$ 15,314,855	$ 15,353,395
OPERATING EXPENSES					
Supervision, Misc Direct Admin	$632,824	$355,306	$685,771	$702,560	$710,342
Substation Maintenance	$25,540	$19,466	$37,100	$37,815	$36,663
Switching Station Maintenance	$25,523	$10,292	$28,129	$28,632	$29,115
Overhead Maintenance	$476,406	$207,430	$455,336	$462,907	$488,883
Underground Maintenance	$389,360	$265,996	$370,640	$377,228	$375,882
Meter Maintenance	$135,679	$96,062	$126,885	$128,416	$126,101
Interdepartmental Charges	$425,066	$214,485	$428,969	$428,969	$566,670
Eng. Cust Svc. MR and Admin	$536,000	$275,211	$986,831	$980,204	$932,632
In Lieu Taxes	$510,736	$391,794	$538,602	$542,422	$542,422
Debt Service	1,254,122	622,478	1,264,358	1,255,148	1,255,148
Cost of Power	8,652,139	3,606,802	7,000,000	7,750,000	7,375,000
TOTAL OPERATING EXPENSES	$ 13,063,395	$ 6,065,321	$ 11,922,621	$ 12,694,300	$ 12,438,858
OPERATING INCOME (LOSS)	**$ 1,320,370**	**$ 1,320,117**	**$ 3,201,232**	**$ 2,620,555**	**$ 2,914,537**
CAPITAL EXPENDITURES					
Capital Expenditures	$ 1,305,857	$ 1,404,353	$ 3,536,053	$ 1,718,324	$ 2,233,371
OTHER FINANCING					
Bond/Grant proceeds		$ -			
Profit Transfer to General Fund	(524,540)		(648,823)	(657,036)	(651,034)
BUDGETED NET INCOME (LOSS)	**$ (510,027)**	**$ (84,236)**	**$ (983,644)**	**$ 245,195**	**$ 30,131**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget -- GAS DISTRIBUTION

	Actual 2016	Jul-Dec Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
REVENUE					
Therm Sales	8,416,085	2,542,267	8,463,113	8,463,113	8,455,275
Revenue per Therm	$ 0.5808	$ 0.7303	$ 0.6586	$ 0.5927	$ 0.6199
Sales Revenue	$ 4,887,955	$ 1,856,572	$ 5,573,587	$ 5,016,228	$ 5,241,503
Repayment of Inter-utility Loan					
Interest on Utility Reserves	34,421	87,402	82,000	82,000	82,000
Revenue on Recoverable Work	11,233	8,296	25,000	25,000	20,000
TOTAL REVENUE	$ 4,933,609	$ 1,952,270	$ 5,680,587	$ 5,123,228	$ 5,343,503
OPERATING EXPENSES					
Supervision, Misc Direct Admin	$298,000	$126,362	$297,661	$298,322	$256,975
Gas Distribution	273,909	180,307	341,235	337,217	280,994
Gas Meters	145,896	63,949	150,421	151,963	137,486
Interdepartmental Charges	259,528	142,518	285,035	285,035	351,003
Eng. Cust Svc. MR and Admin	535,341	300,231	706,460	701,716	816,091
In Lieu Taxes	179,606	144,703	207,857	196,710	205,330
Cost of Gas	1,845,485	982,794	2,505,410	2,505,410	2,537,766
TOTAL OPERATING EXPENSES	$3,537,763	$ 1,940,864	$ 4,494,078	$ 4,476,373	$ 4,585,644
OPERATING INCOME (LOSS)	**$ 1,395,846**	**$ 11,406**	**$ 1,186,509**	**$ 646,855**	**$ 757,859**
CAPITAL EXPENDITURES					
Capital Expenditures	$ 12,881	$ 942,634	$ 810,000	$ 700,000	$ 700,000
OTHER FINANCING SOURCES & USES					
Profit Transfer to General Fund	(246,867)		(260,287)	(234,258)	(262,075)
Budget Adjustment for ERP	(1,000,000)				
BUDGETED NET INCOME (LOSS)	**$ 1,136,098**	**$ (931,228)**	**$ 116,222**	**$ (287,403)**	**$ (204,216)**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget -- WATER PRODUCTION

	Actual 2016	Jul-Dec Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
REVENUE					
Potable 1000-gallon production	974,848	607,366	1,150,000	1,150,000	1,150,000
Non-potable 1000-gallon production	45,718	16,782	66,584	66,584	86,400
Revenue per 1000 gallons	$ 3.4121	$ 3.4737	$ 3.1680	$ 3.0545	$ 3.1810
Potable Sales Revenue	$ 3,326,321	$ 2,109,794	$ 3,643,200	$ 3,716,064	$ 3,933,000
Repayment of Inter-utility Loan	187,568	72,956	187,569	187,569	187,569
Interest on Utility Reserves	34,871	131,848	92,000	63,750	63,750
Bond Federal Subsidy	25,683	13,788	27,576	27,576	27,576
Non Potable Revenue	52,575	20,171	76,572	166,460	216,000
TOTAL REVENUE	$ 3,627,018	$ 2,348,557	$ 4,026,917	$ 4,161,419	$ 4,427,895
OPERATING EXPENSES					
Supervision and Operations	$ 957,590	$ 442,806	$ 975,822	$ 991,861	$ 963,806
Pumping Power	523,277	271,052	800,000	800,000	800,000
Wells	83,118	31,803	137,508	138,775	135,631
Booster Pump Stations	165,298	28,334	125,236	126,754	123,587
Treatment	56,055	14,767	105,199	105,595	104,271
Storage Tanks	445,205	3,179	19,600	19,798	19,385
Transmission Lines	54,999	11,749	65,509	66,248	64,705
Non Potable System	179,863	175,847	642,187	372,422	393,018
Interdepartmental Charges	227,774	131,946	263,893	263,893	337,902
Eng. Cust Svc. MR and Admin	578,883	284,514	505,173	501,780	601,111
State Water Tax	34,855	19,008	45,000	45,000	45,000
Debt Service	220,520	116,027	254,182	279,496	235,735
TOTAL OPERATING EXPENSES	$ 3,527,436	$ 1,531,033	$ 3,939,307	$ 3,711,622	$ 3,824,151
OPERATING INCOME (LOSS)	**$ 99,582**	**$ 817,524**	**$ 87,610**	**$ 449,797**	**$ 603,744**
CAPITAL EXPENDITURES					
Capital Expenditures	$ 1,451,582	$ 1,169,930	$ 7,644,400	$ 1,075,000	$ 7,296,000
OTHER FINANCING					
Grant/Loan	$ 562,400	$ 72,956	$ 644,400	$ 825,000	$ 1,271,000
County/External Reimbursement			4,000,000		4,000,000
BUDGETED NET INCOME (LOSS)	**$ (789,601)**	**$ (279,450)**	**$ (2,912,390)**	**$ 199,797**	**$ (1,421,256)**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget -- WATER DISTRIBUTION

	Actual 2016	Jul-Dec Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
REVENUE					
Sales in Thousand of Gallons	693,335	450,124	775,000	775,000	775,000
Revenue per thousand gallons	$ 5.6549	$ 5.6136	$ 5.7500	$ 5.7500	$ 6.3300
Sales Revenue	$ 3,920,763	$ 2,526,818	$ 4,456,250	$ 4,456,250	$ 4,905,750
Interest on Utility Reserves	12,300	17,460	21,000	21,000	9,161
Revenue on Recoverable Work	59,382	18,589	30,000	30,000	30,450
TOTAL REVENUE	$ 3,992,445	$ 2,562,867	$ 4,507,250	$ 4,507,250	$ 4,945,361
OPERATING EXPENSES					
Supervision, Misc Direct Admin	$ 217,881	$ 98,214	$ 182,979	$ 187,327	$ 184,778
Hydrants	71,088	15,279	58,860	59,924	60,645
Water Distribution	387,278	161,879	403,106	368,523	372,203
Water Meters	658,592	225,931	691,840	699,124	634,691
Interdepartmental Charges	225,566	125,825	251,649	251,649	328,386
Eng. Cust Svc. MR and Admin	505,593	243,845	574,794	570,935	594,839
Cost of Water	2,528,096	1,447,493	2,456,750	2,505,885	2,650,500
TOTAL OPERATING EXPENSES	$ 4,594,094	$ 2,318,466	$ 4,619,978	$ 4,643,367	$ 4,826,041
OPERATING INCOME (LOSS)	**$ (601,650)**	**$ 244,401**	**$ (112,728)**	**$ (136,117)**	**$ 119,320**
CAPITAL EXPENDITURES					
Capital Expenditures	$ 433,941	$ 1,218,804	$ -	$ -	$ 550,000
BUDGETED NET INCOME (LOSS)	**$ (1,035,591)**	**$ (974,403)**	**$ (112,728)**	**$ (136,117)**	**$ (430,680)**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget -- WASTEWATER COLLECTION AND TREATMENT

	Actual 2016	Jul-Dec Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
REVENUE					
Thousands of Gallons Processed	408,234	204,369	430,000	430,000	430,000
Sales Revenue	$ 4,632,768	$ 2,486,397	$ 5,174,221	$ 5,174,221	$ 5,269,745
Interest on Bond Reserves					
Interest on Utility Reserves	14,379	19,679	23,000	23,000	13,516
Revenue on Recoverable Work	-		1,500	1,523	-
TOTAL REVENUE	$ 4,647,147	$ 2,506,076	$ 5,198,721	$ 5,198,744	$ 5,283,261
OPERATING EXPENSES					
Supervision, Misc Direct Admin	$ 159,691	$ 100,702	$ 323,618	$ 254,313	$ 230,375
Wastewater Collection	342,164	130,315	421,571	389,058	367,602
Lift Stations	336,649	105,709	245,729	248,686	275,214
Wastewater Treatment	1,240,841	571,932	1,388,309	1,380,071	1,318,100
Interdepartmental Charges	372,692	205,701	411,402	411,402	646,445
Eng. Cust Svc. MR and Admin	420,570	249,326	504,797	501,407	605,847
Debt Service	1,151,522	575,697	1,155,799	1,808,378	1,155,799
TOTAL OPERATING EXPENSES	$ 4,024,128	$ 1,939,383	$ 4,451,226	$ 4,993,314	$ 4,599,382
OPERATING INCOME (LOSS)	**$ 623,019**	**$ 566,693**	**$ 747,495**	**$ 205,430**	**$ 683,879**
CAPITAL EXPENDITURES					
Capital Expenditures	$ 1,061,949	$ 789,137	$ 1,050,000	$ 10,000,000	$ 200,000
OTHER FINANCING					
Grant/Loan Proceeds				$ 10,000,000	
Interfund Loans					
BUDGETED NET INCOME (LOSS)	**$ (438,930)**	**$ (222,444)**	**$ (302,505)**	**$ 205,430**	**$ 483,879**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
Summary of Expenditure Budget -- ADMINISTRATION AND GENERAL

	Actual 2016	Jul-Dec Actual 2017	Adopted Budget 2017	1st Year Budget 2018	Proposed Budget 2018
Meter Reading	354,410	183,437	278,892	286,245	350,877
Customer Service	510,942	258,009	552,237	564,514	840,167
Engineering	1,435,797	776,086	1,628,417	1,668,980	1,497,146
Administrative:					
Administration	463,586	215,158	829,237	722,273	793,040
Finance	609,440	305,552	783,522	796,678	974,152
Public Information	176,583	102,164	245,285	251,716	259,668
Subtotal - Administrative	1,249,610	622,874	1,858,044	1,770,666	2,026,860
Total Administrative Division	3,550,758	1,840,406	4,317,590	4,290,405	4,715,050

LOS ALAMOS DEPARTMENT OF PUBLIC UTILITIES
CASH & INVESTMENT BUDGET

	FY2016 ACTUAL	FY2017 ADOPTED BUDGET	FY2018 1ST YEAR BUDGET	FY2018 PROPOSED BUDGET
EP Cash & Investments - UNRESTRICTED	7,602,785	6,960,245	6,760,192	7,089,289
EP Cash & Investments - RESTRICTED	11,630,049	10,206,109	10,433,509	13,369,416
EP Cash & Investments - TOTAL	19,232,834	17,166,354	17,193,701	20,458,705
ED Cash & Investments - UNRESTRICTED	(7,887,776)	(5,960,945)	(5,715,751)	(2,812,444)
ED Cash & Investments - RESTRICTED	8,848,967	1,388,292	1,388,292	2,812,914
ED Cash & Investments - TOTAL	961,191	(4,572,653)	(4,327,458)	470
GAS Cash & Investments - UNRESTRICTED	6,397,463	6,078,231	5,790,829	6,311,140
GAS Cash & Investments - RESTRICTED	-	-	-	-
GAS Cash & Investments - TOTAL	6,397,463	6,078,231	5,790,829	6,311,140
DW Cash & Investments - UNRESTRICTED	637,389	1,417,326	1,281,209	95,198
DW Cash & Investments - RESTRICTED	-	-	-	-
DW Cash & Investments - TOTAL	637,389	1,417,326	1,281,209	95,198
WP Cash & Investments - UNRESTRICTED	10,294,284	7,277,625	7,477,423	5,948,992
WP Cash & Investments - RESTRICTED	179,962	192,838	192,838	192,838
WP Cash & Investments - TOTAL	10,474,246	7,470,464	7,670,261	6,141,831
WW Cash & Investments - UNRESTRICTED	(539,199)	154,834	360,264	(356,585)
WW Cash & Investments - RESTRICTED	1,362,985	1,362,985	1,362,985	1,362,985
WW Cash & Investments - TOTAL	823,786	1,517,818	1,723,248	1,006,400
DPU TOTAL Cash & Investments - UNRESTRICTED	16,504,946	15,927,316	15,954,166	16,275,590
DPU TOTAL Cash & Investments - RESTRICTED	22,021,963	13,150,225	13,377,625	17,738,153
DPU TOTAL Cash & Investments - TOTAL	$ 38,526,908	$ 29,077,541	$ 29,331,790	$ 34,013,743

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY18 (1 July 2017 - 30 June 2018)	Budget
ELECTRIC PRODUCTION	**675,000**
Abiquiu Controls Upgrade	375,000
3 Ton Jib Crane Abiquiu	140,000
Replace Control System Batteries El Vado & Abiquiu	135,000
Uinterrupted Power Supply Electric SCADA	25,000
ELECTRIC DISTRIBUTION	**1,900,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)	250,000
White Rock URD Replacement (cables, jboxes, pedestals)	250,000
WR Substation Switchgear1 Refurbishment	350,000
WR Substation Transformer Oil Retention Bay	150,000
Overhead System Replacement (polex, xarms, transformers)	400,000
LASS Substation Feeders	500,000
GAS DISTRIBUTION	**700,000**
Quemazon Loop Alternate PRV Feed	250,000
SCADA Improvements Phase 1	250,000
PRV Site Improvements Phase 1	200,000
WATER DISTRIBUTION	**550,000**
Aspen School Area Waterline Replacements Phase 1	550,000
WATER PRODUCTION	**7,296,000**
Ski Hill Supply Pipeline Construction **(County/Ski Hill 50/50 Funding, N/A DPU)**	4,000,000
Otowi Well No. 2 Well House & Pipeline Construction	1,500,000
PW5 MCC Replacement - Construction	275,000
RTU Replacement - 3 Each	75,000
Auto Valves 9,10,11 R&R	150,000
Uninterrupted Power Supply Water SCADA	25,000
Non Potable: Design Group 12 Tank, Bayo Booster & Overlook Booster (WTB)	495,000
Non-Potable: Bayo Booster Second Tank (WTB)	776,000
SEWER COLLECTION	**200,000**
Aspen School Area Sewerline Replacement/Rehabilitation - Phase 1	150,000
Canyon Road VCP Crossings (2 Each) Rehabilitation	50,000
WASTEWATER TREATMENT	**0**
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL	**200,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY19 (1 July 2018 - 30 June 2019)	Budget
ELECTRIC PRODUCTION	**300,000**
El Vado Replace Main Transformer	300,000
ELECTRIC DISTRIBUTION	**3,000,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)	300,000
White Rock URD Replacement (cables, jboxes, pedestals)	300,000
Overhead System Replacement (polex, xarms, transformers)	400,000
EA4 Feeder Replacement	2,000,000
GAS DISTRIBUTION	**450,000**
SCADA Improvements Phase 2	250,000
PRV Site Improvements Phase 2	200,000
WATER DISTRIBUTION	**558,000**
Aspen School Area Waterline Replacements Phase 2	558,000
WATER PRODUCTION	**1,979,000**
East Jemez Road PW3 to NM4 Pipeline R&R {DOT}	1,015,000
Non Potable: Construct Second Group 12 Tank (WTB)	964,000
SEWER COLLECTION	**684,000**
Rio Bravo Sewer Lift Station Rehabilitation	103,000
WR WWTP Interceptor Modifications	500,000
Aspen School Area Sewerline Replacement/Rehabilitation - Phase 2	81,000
WASTEWATER TREATMENT	**0**
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL	**684,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY20 (1 July 2019 - 30 June 2020)		Budget
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**1,800,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		300,000
White Rock URD Replacement (cables, jboxes, pedestals)		300,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Circuit 15, 3 PHASE	($600K)	
White Rock Circuit1, 3PHASE	($600K)	
GAS DISTRIBUTION		**450,000**
SCADA Improvements Phase 3		250,000
PRV Site Improvements Phase 3		200,000
WATER DISTRIBUTION		**817,000**
Aspen School Area Waterline Replacements Phase 3		567,000
New Vactor		250,000
WATER PRODUCTION		**2,550,000**
NM SR 4 Pipeline R&R {DOT}		1,545,000
OB1 Replacement Design		155,000
Non Potable: Guaje Pines, North Mesa, Diamond Connections (WTB)		850,000
SEWER COLLECTION		**1,061,000**
SCADA Implementation		203,000
Aspen School Area Sewerline Replacement/Rehabilitation - Phase 3		93,000
Bayo Canyon Sewer Lift Station Elimination		515,000
New Vactor		250,000
WASTEWATER TREATMENT		**1,372,000**
LA WWTP Upgrades & Rehabilitation Project - Design		361,000
WRTP Design		1,011,000
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**2,433,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY21 (1 July 2020 - 30 June 2021)		Budget
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**1,850,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		300,000
White Rock URD Replacement (cables, jboxes, pedestals)		300,000
White Rock GWS & ED Facility		50,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Circuit 13, 3 PHASE	($600K)	
White Rock Circuit2, 3 PHASE	($600K)	
GAS DISTRIBUTION		**300,000**
White Rock Steel Valve Project Phase 1		250,000
White Rock GWS & ED Facility		50,000
WATER DISTRIBUTION		**677,000**
Aspen School Area Waterline Replacements Phase 4		627,000
White Rock GWS & ED Facility		50,000
WATER PRODUCTION		**3,434,000**
OB1 Replacement Construction		3,173,000
Non Potable: Camp May Tank SCADA & Freeze Upgrades (WTB)		261,000
SEWER COLLECTION		**573,000**
Loma Vista Sewer Lift Station Rehabilitation		157,000
Aspen School Area Sewerline Replacement/Rehabilitation - Phase 4		105,000
North Community Backyard Sewer Mains & Services Regabilitation - Phase 1		261,000
White Rock GWS & ED Facility		50,000
WASTEWATER TREATMENT		**16,402,000**
LA WWTP Upgrades & Rehabilitation Project - Construction		3,137,000
(Filtration, High Efficiency Blowers, UV Controls, DO Meter Upgrades,		
Standby Power Upgrades, Compost Bin Safety)		
WRTP Construction		12,750,000
WRTP Construction Administration - Engineering/Inspection		515,000
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**16,975,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY22 (1 July 2021 - 30 June 2022)		Budget
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**2,000,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		400,000
White Rock URD Replacement (cables, jboxes, pedestals)		400,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Circuit 16, 3 PHASE	($600K)	
White Rock Circuit1, 1 PHASE	($600K)	
GAS DISTRIBUTION		**250,000**
White Rock Steel Valve Project Phase 2		250,000
WATER DISTRIBUTION		**849,000**
North Mesa Distribution Upgrades		849,000
WATER PRODUCTION		**2,228,000**
Townsite 14" Pipeline R&R - Phase 1		1,061,000
Non Potable: White Rock Booster Replacement & Chamisa Pipeline (WTB)		1,167,000
SEWER COLLECTION		**478,000**
North Road Sewer Lift Station Elimination/Rehabilitation		478,000
WASTEWATER TREATMENT		**0**
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**478,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY23 (1 July 2022 - 30 June 2023)		Budget
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**2,000,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		400,000
White Rock URD Replacement (cables, jboxes, pedestals)		400,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Ski Hill Circuit, 3 PHASE	($600K)	
White Rock Circuit2, 1 PHASE	($600K)	
GAS DISTRIBUTION		**250,000**
White Rock Steel Valve Project Phase 3		250,000
WATER DISTRIBUTION		**970,000**
Denver Steel Area East Portion Pipeline {PW-WA 5}		970,000
WATER PRODUCTION		**1,915,000**
Townsite 14" Pipeline R&R - Phase 2		1,077,000
Non Potable: Bayo Booster Station (WTB)		838,000
SEWER COLLECTION		**517,000**
Paseo Penasco Sewer Lift Station Rehabilitation		162,000
Denver Steel Area East Portion Sewerline R&R {PW-WA 5}		86,000
North Community Backyard Sewer Mains & Services Regabilitation - Phase 2		269,000
WASTEWATER TREATMENT		**135,000**
Equipment/Vehicle Replacement		135,000
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**652,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY24 (1 July 2023 - 30 June 2024)		**Budget**
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**2,000,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		400,000
White Rock URD Replacement (cables, jboxes, pedestals)		400,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Circuit 15, 1 PHASE	($600K)	
White Rock Circuit1, Wire 3 PHASE	($600K)	
GAS DISTRIBUTION		**250,000**
Pipeline Repair & Replacement / Equipment		250,000
WATER DISTRIBUTION		**601,000**
Denver Steel Area West Portion Water Line Replacements		601,000
WATER PRODUCTION		**1,913,000**
Townsite 14" Pipeline R&R - Phase 3		1,093,000
Non Potable: Rover & Pinon Park Pipeline Connections (WTB)		820,000
SEWER COLLECTION		**415,000**
El Gancho Sewer Lift Station Rehabilitation		164,000
Arkansas Area Backyard Sewer Mains & Services Rehabilitation		164,000
Denver Steel Area West Portion Sewerline R&R		87,000
WASTEWATER TREATMENT		**0**
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**415,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY25 (1 July 2024 - 30 June 2025)		Budget
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**2,000,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		400,000
White Rock URD Replacement (cables, jboxes, pedestals)		400,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Circuit 13, 1 PHASE	($600K)	
White Rock Circuit2, Wire 3 PHASE	($600K)	
GAS DISTRIBUTION		**250,000**
Pipeline Repair & Replacement / Equipment		250,000
WATER DISTRIBUTION		**777,000**
Denver Steel Area Orange Street Portion Pipeline {PW-WA 6}		777,000
WATER PRODUCTION		**1,970,000**
Otowi Well 4 - 2nd Tank (Anniversary)		1,110,000
RTU Replacement - 5 Each		139,000
Non Potable: Barranca Mesa Pipeline Connections (WTB)		721,000
SEWER COLLECTION		**255,000**
Ridge Park Sewer Lift Station Rehabilitation		166,000
Denver Steel Area Orange Street Portion Sewerline R&R {PW-WA 6}		89,000
WASTEWATER TREATMENT		**555,000**
LA WWTP Non-Potable Pressure Line		555,000
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**810,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY26 (1 July 2025 - 30 June 2026)		Budget
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**2,000,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		400,000
White Rock URD Replacement (cables, jboxes, pedestals)		400,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Circuit 16, 1 PHASE	($600K)	
White Rock Circuit1, Wire 1 PHASE	($600K)	
GAS DISTRIBUTION		**250,000**
Pipeline Repair & Replacement / Equipment		250,000
WATER DISTRIBUTION		**676,000**
41st/45th/46th/47th Pipeline {PW-WA 7}		676,000
WATER PRODUCTION		**2,168,000**
West Pajarito Road Pipeline R&R - Phase 1		1,126,000
Non Potable: Bayo BS Winter Storage Facility (WTB)		1,042,000
SEWER COLLECTION		**558,000**
Old Pueblo Sewer Canyon Drop Replacement		355,000
41st/45th/46th/47th Sewerline R&R {PW-WA 7}		90,000
Ponerosa Sewer Lift Station Rehabilitation		113,000
WASTEWATER TREATMENT		**85,000**
LA & WR WWTP SCADA Upgrades		85,000
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**643,000**

Los Alamos County Department of Public Utilities
Fiscal Year 2018
10-Year Capital Plan

FY27 (1 July 2026 - 30 June 2027)		Budget
ELECTRIC PRODUCTION		**0**
ELECTRIC DISTRIBUTION		**2,000,000**
Los Alamos URD Replacement (cables, jboxes, pedestals)		400,000
White Rock URD Replacement (cables, jboxes, pedestals)		400,000
Overhead System Replacement (polex, xarms, transformers)		1,200,000
Townsite Circuit 16, 1 PHASE	($600K)	
White Rock Circuit1, Wire 1 PHASE	($600K)	
GAS DISTRIBUTION		**250,000**
Pipeline Repair & Replacement / Equipment		250,000
WATER DISTRIBUTION		**858,000**
Eastern Area Pipeline - Phase 1		858,000
WATER PRODUCTION		**772,000**
Guaje Well 1 Booster Design		172,000
Non Potable: Upper Townsite Pipeline Connections (WTB)		600,000
SEWER COLLECTION		**743,000**
Airport Canyon Sewer Canyon Drop Replacement		629,000
Eastern Area Sewerline R&R - Phase 1		114,000
WASTEWATER TREATMENT		**286,000**
Equipment / Vehicle		286,000
WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL		**1,029,000**

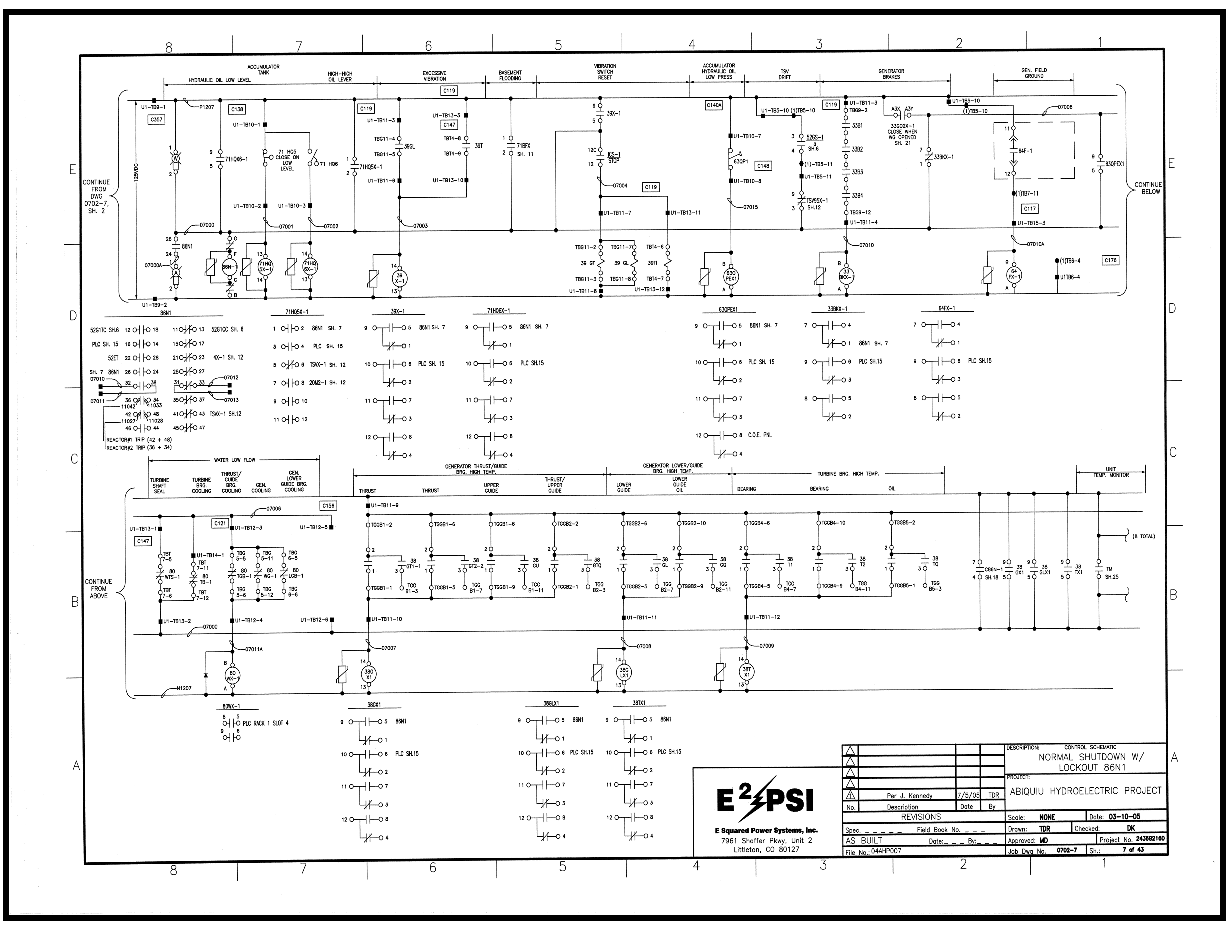
ELECTRIC PRODUCTION

FY18: Abiquiu Controls Upgrade

Project Scope: Installation of new software and hardware to replace the existing controls system in the Abiquiu hydroelectric plant. The new upgrade will integrate the controls of the low-flow turbine and the two larger turbines into one process logic controller. The improvements are a reliability upgrade that will provide safe and efficient operation for the next 10 to 15 years.

Budget: $ 375,000

Schedule: Winter 2017/2018



ELECTRIC PRODUCTION
FY18: Abiquiu 3-Ton Jib Crane

Project Scope: A new 3-ton jib crane will be installed on the north deck of the Abiquiu hydroelectric plant to raise and lower the gates to the energy dissipating chambers. Currently, access to the gates is limited due to the location of the plant electrical gear that must be navigated through by a crane or boom truck.

Budget: $ 140,000

Schedule: Spring 2018

ELECTRIC PRODUCTION

FY18: Abiquiu and El Vado Battery Replacement

Project Scope: The batteries in both plants area approximately 11 years old. Annual testing has indicated a declining trend in their capacity in recent years. The batteries are the power supply for the plant controls system.

Budget: $ 135,000

Schedule: Winter 2017/2018

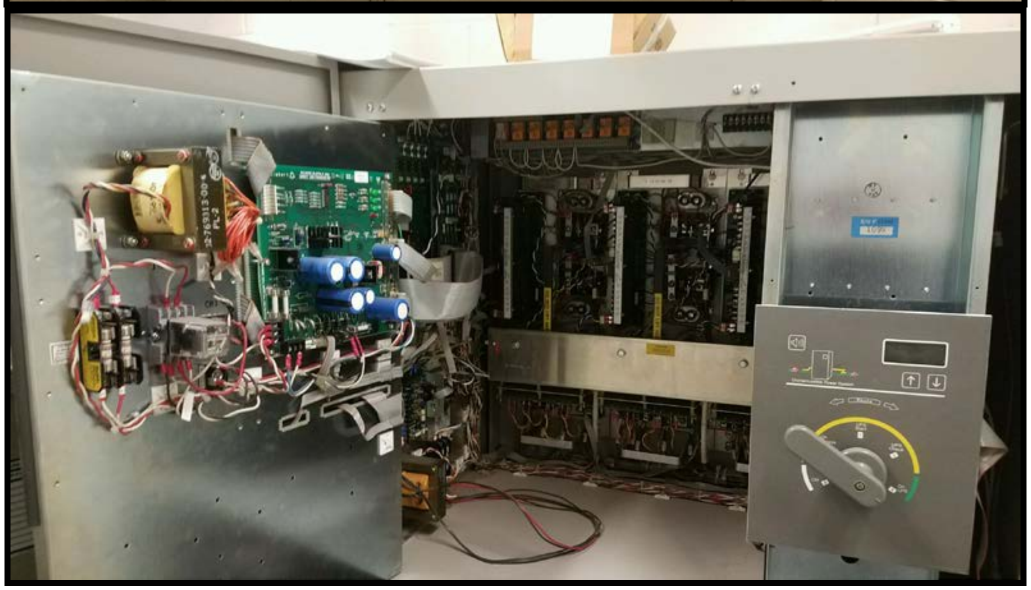
ELECTRIC PRODUCTION

FY18: Electric SCADA Uninterruptible Power Source Replacement

Project Scope: An uninterruptible power supply (UPS) is a critical feature of the water and electric supervisory controls and data acquisition system (SCADA). The existing UPS at the Pajarito Cliffs serves both the water and electric SCADA systems and is over 15 years old. The UPS is beyond its service life and will be replaced.

Budget: $25,000

Schedule: Spring 2018.



ELECTRIC DISTRIBUTION

FY18: Overhead System Replacement

Project Scope: Much of the utilities' overhead infrastructure is > 50 years and operating near or past its useful plant life. The department's Asset Management Program (AMP) prioritizes O&M projects based on root cause analysis after power outages, quarterly line inspections, etc. The O&M program includes replacement of poles, cross-arms, and other pole hardware including transformers. Priority is placed on the three phase backbone and areas affecting the highest number of consumers.

1.	White Rock service area	$200,000.
2.	Los Alamos service area	$200,000.

Budget: $ 400,000
Schedule: Year round design and construction

ELECTRIC DISTRIBUTION

FY18: URD (UG residential distribution) Replacements

Project Scope: The underground system contains 1970s infrastructure which was direct-buried and in direct contact with the earth. Portions or segments of the underground system which have experienced 3 or more failures are targeted for replacement because they will fail again. Old and obsolete live-front transformers are routinely replaced due to safety and arc-flash concerns. New loop segments are designed for radial power lines which serve large amounts of customers.

1.	Los Alamos town site area after three failure replacements	$250,000.
2.	White Rock area after three failure replacements	$250,000.

Budget: $ 500,000
Schedule: Year round design and construction

ELECTRIC DISTRIBUTION

FY18: White Rock Substation Tran 1 O&M

Project Scope: The original White Rock transformer and switchgear is often utilized when LANL switches or powers OFF the NL 115KV line and refeeds White Rock from the RL 115KV line. The system often remains under this configuration from a few days up to 2 weeks. The switchgear is at least 50 years and has not been maintained nor refurbished. A failure to the switchgear would result in a very prolonged power outage. Federal rules require that substations have oil containment systems in the event of a transformer leakage or rupture.

1. Switchgear 1 refurbishment $350,000.
2. Substation transformers oil retention $150,000.

Budget: $ 500,000
Schedule: Year round design and construction

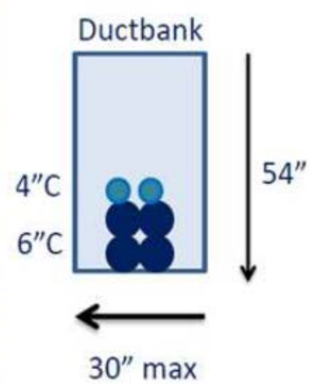
ELECTRIC DISTRIBUTION

FY18: LASS Substation Feeders (in and out)

Project Scope: Powering LASS requires the installation of two new source feeders from LANL substation called LS1 and LS2. The LASS substation would then have 8 outgoing load feeders to power 4 town site feeders and 3 other LANL feeders that power LAC loads; S6, SM6, and S18.

3. Incoming Source Feeders (2); LS1 and LS2 $200,000.
4. Outgoing Load Feeders, (8) $300,000.

Budget: $ 500,000
Schedule: Continuation of FY 17



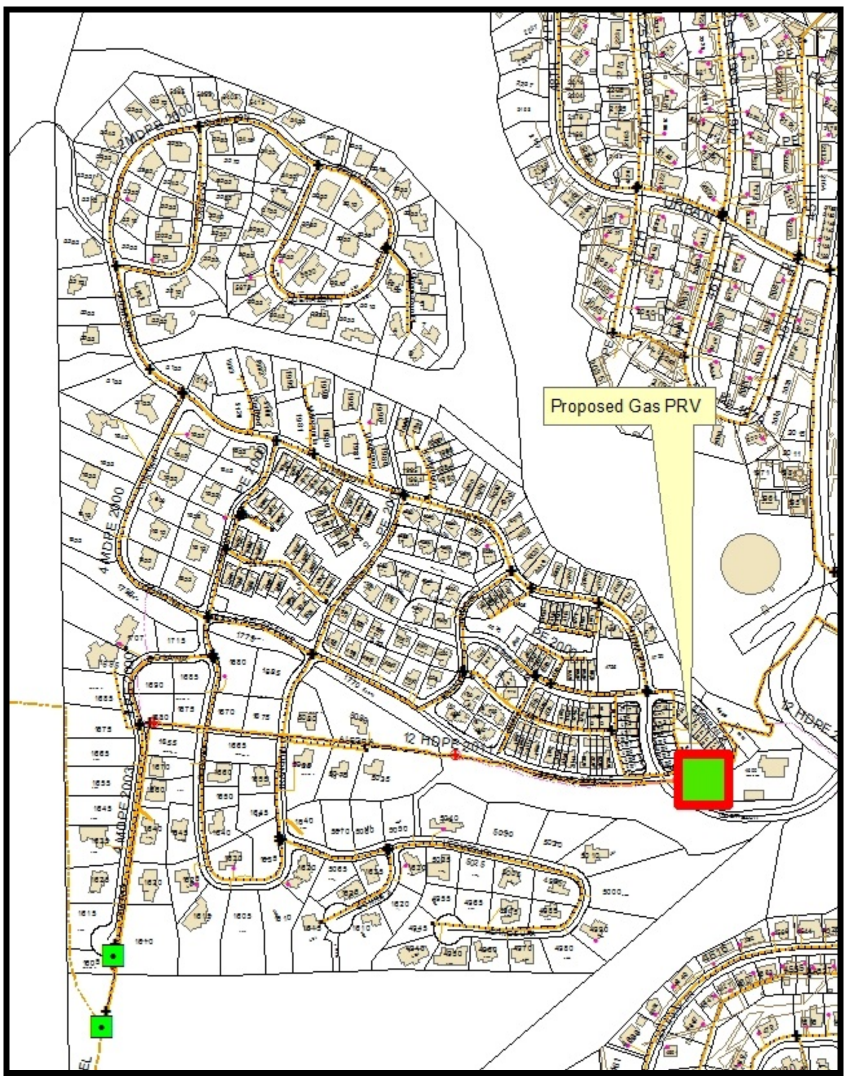
GAS DISTRIBUTION

FY18: Western Area / Quemazon Loop Alternative PRV Feed

Project Scope: Install a new gas pressure reducing valve (PRV), to allow a back feed (loop feed) into the Quemazon distribution system. The system currently has only one supply of natural gas, this project will provide a second feed providing redundancy and reliability.

Budget: $ 250.000

Schedule: Construct Fall 2017



GAS DISTRIBUTION
FY18: PRV Site Improvements Phase 1

Project Scope: New enclosures for existing gas PRV stations will be constructed. The current facilities are not adequately protected against security threats, or natural hazards such as fire. Facilities also are extremely limited in terms of the space they provide for safe O&M activities, as well as ingress and egress.

Budget: $ 200,000

Schedule: FY18

New East Park PRV enclosure (above)

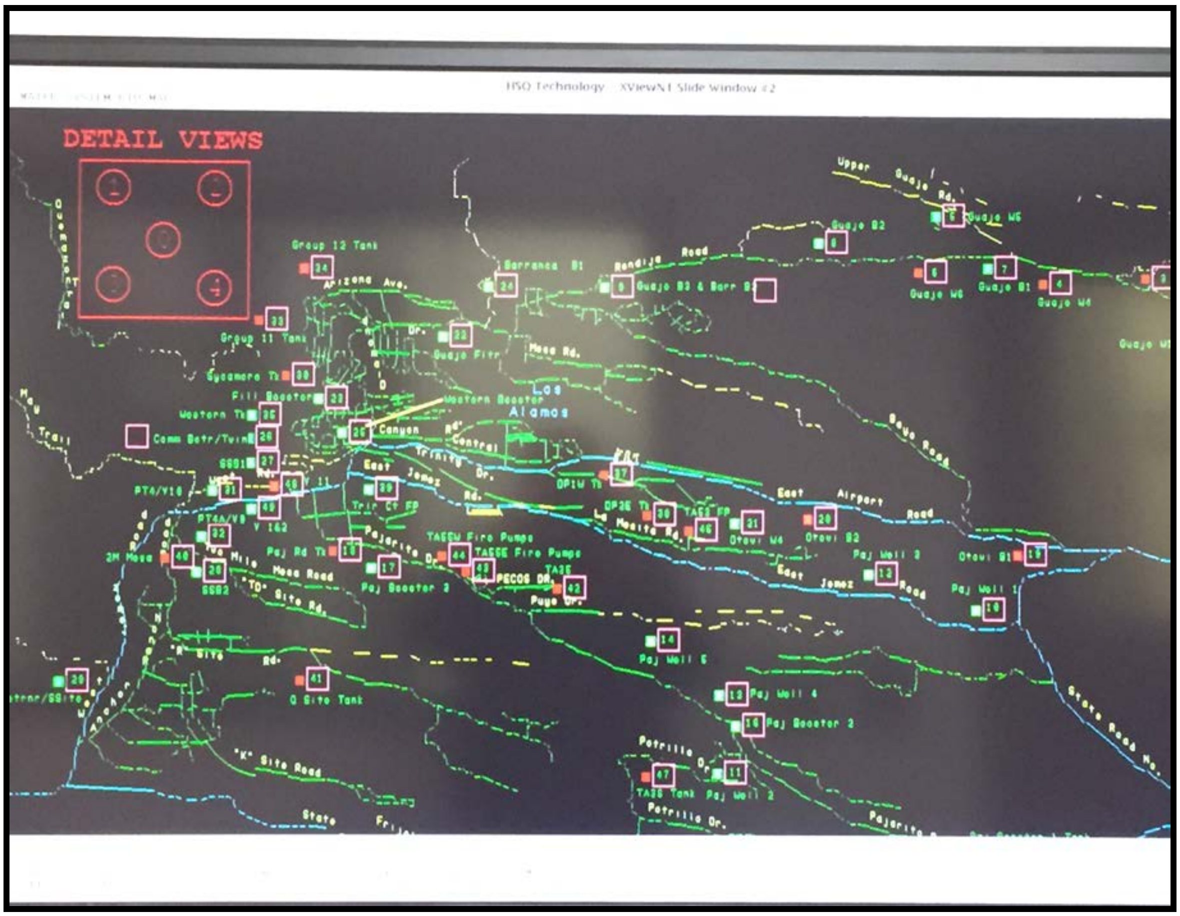
Typical enclosure (above)

GAS DISTRIBUTION
FY18: SCADA Improvements Phase 1

Project Scope: Install SCADA transmitting (RTU's) at gas PRV stations, as well as other critical locations throughout Los Alamos and White Rock gas distribution system. SCADA alarms would alert GWS and Engineering personnel when system is operating outside of established parameters. System would also be used to monitor and demonstrate that operations are in compliance with State and Federal regulations.

Budget: $250,000

Schedule: FY 18



Example: Photo of Water SCADA Control Board

WATER DISTRIBUTION
FY 18: Aspen School Area Waterline Replacements Phase 1

Project Scope: The waterlines in the neighborhood surrounding Aspen School are the original 6" lead joint cast iron pipes installed in the 1950's. The first of three phases of replacement projects will be in fiscal year 2018. The work will include replacement of the water mains, fire hydrants, water services and meter cans.

Budget: $550,000

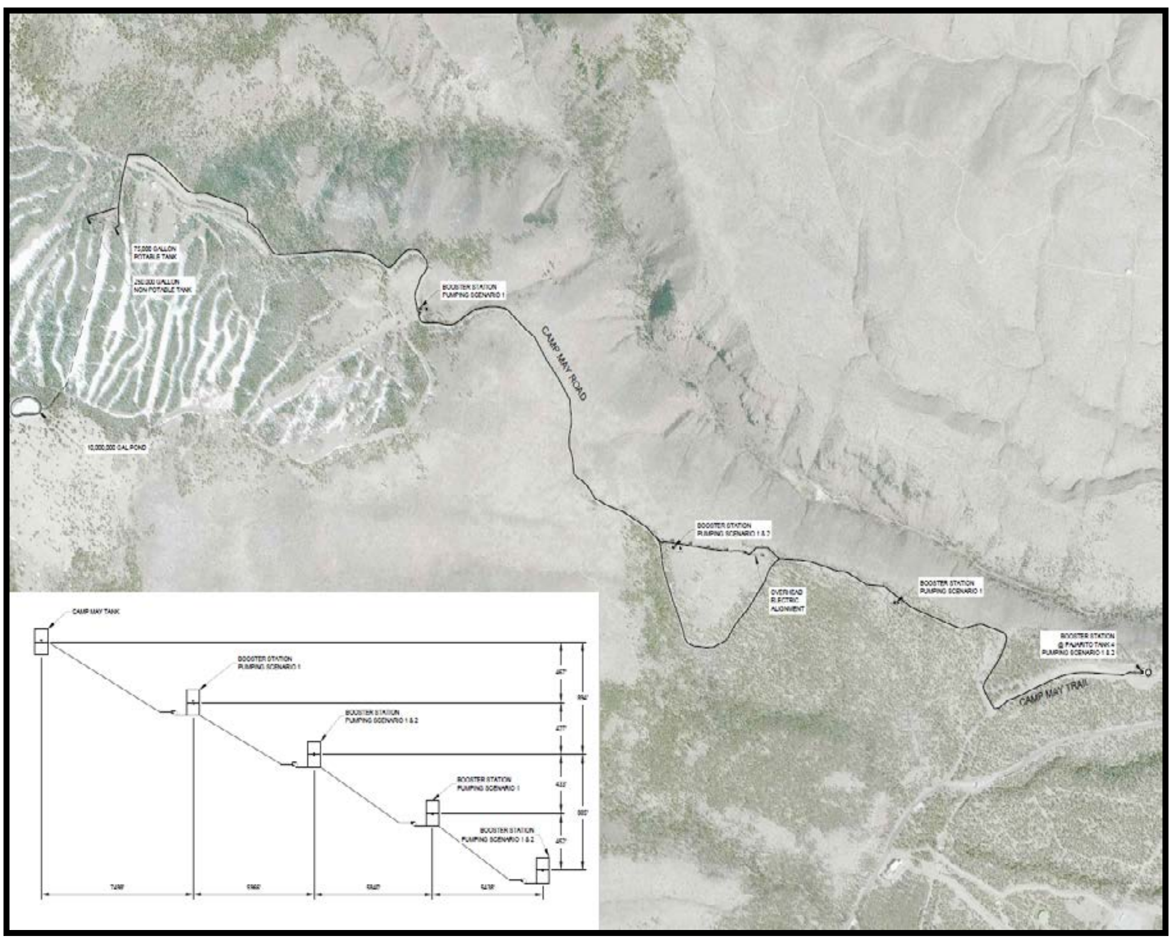
Schedule: Bid Spring 2018 / Construct Summer to fall 2018

WATER PRODUCTION
FY18: Camp May Potable Water Supply Extension-Construction

Project Scope: This project will significantly improve fire suppression capabilities for the recreational facilities in Camp May, plus extend the potable water supply for current and future developments in the area. Cost will be shared under a private-public partnership between the County and the recreational facility operator.

Budget: $4,000.000 ($2,000,000 General Fund / remainder by third party)

Schedule: Design and environmental documents are currently in progress.

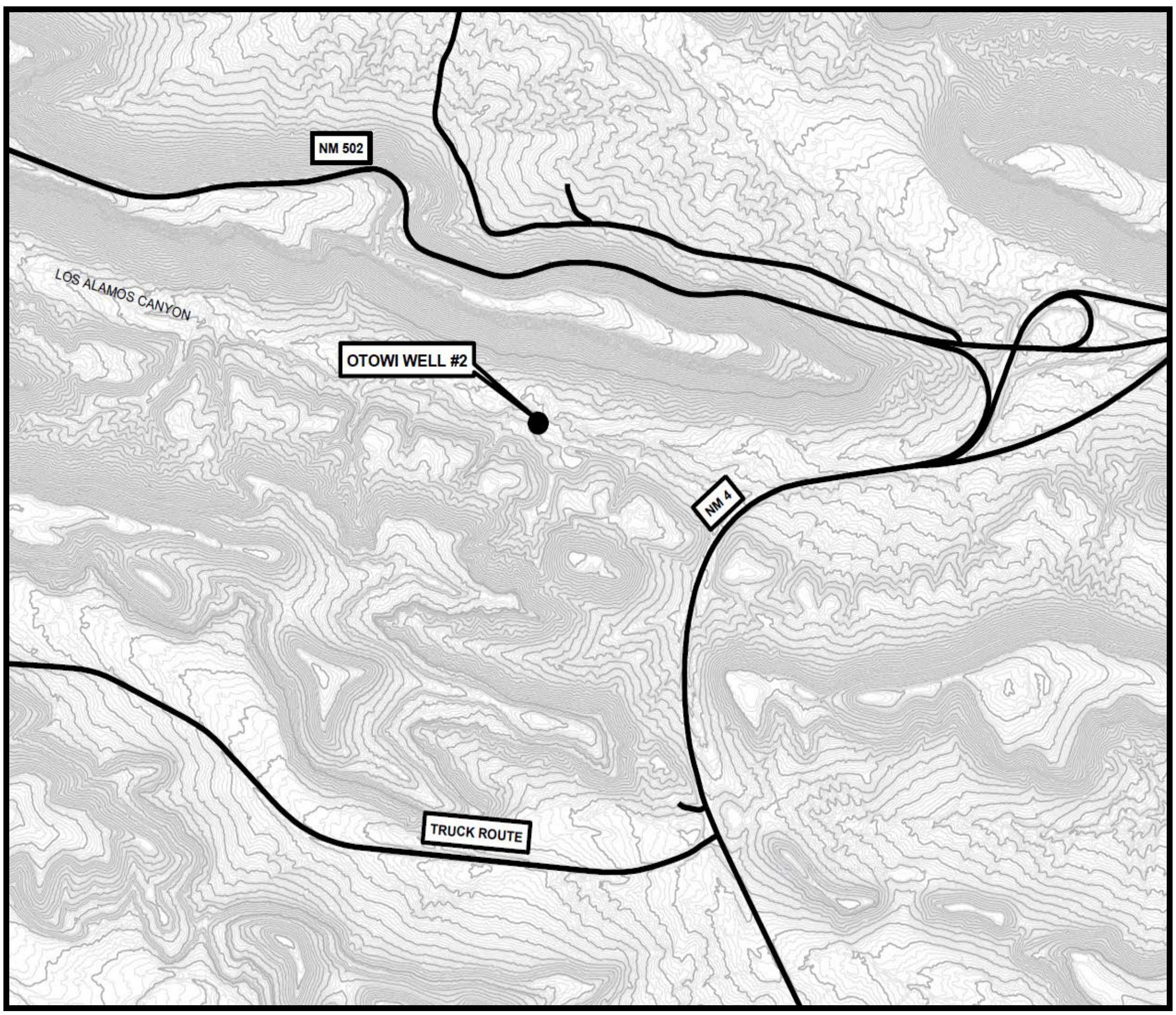


WATER PRODUCTION
FY18: Otowi Well No. 2 Pump House and Pipeline Design & Construction

Project Scope: The project will be executed in two phases. The first phase of the project will be a design-build contract for the design, drilling and development of the well scheduled for completion in the fall of 2017. The second phase of the project will be design and construction of the well house, electric gear and pipeline. The well is scheduled to be online by summer of 2018.

Budget: $1,500,000

Schedule: Well to be drilled and developed in summer 2017. The well house and pipeline will be constructed in the summer of 2018.



WATER PRODUCTION

FY18: Pajarito Well No. 5 Motor Control Center Replacement

Project Scope: The MCC equipment on the Pajarito Well No. 5 is becoming obsolete. Parts are no longer available on the open market. The DPU has maintained this equipment using parts from spare units. New equipment is required to avoid system breakdowns and to keep the system functioning properly. This project is part of a system wide effort to update all motor control centers and control equipment so they meet current codes and maintain reliable service.

Budget: $275,000

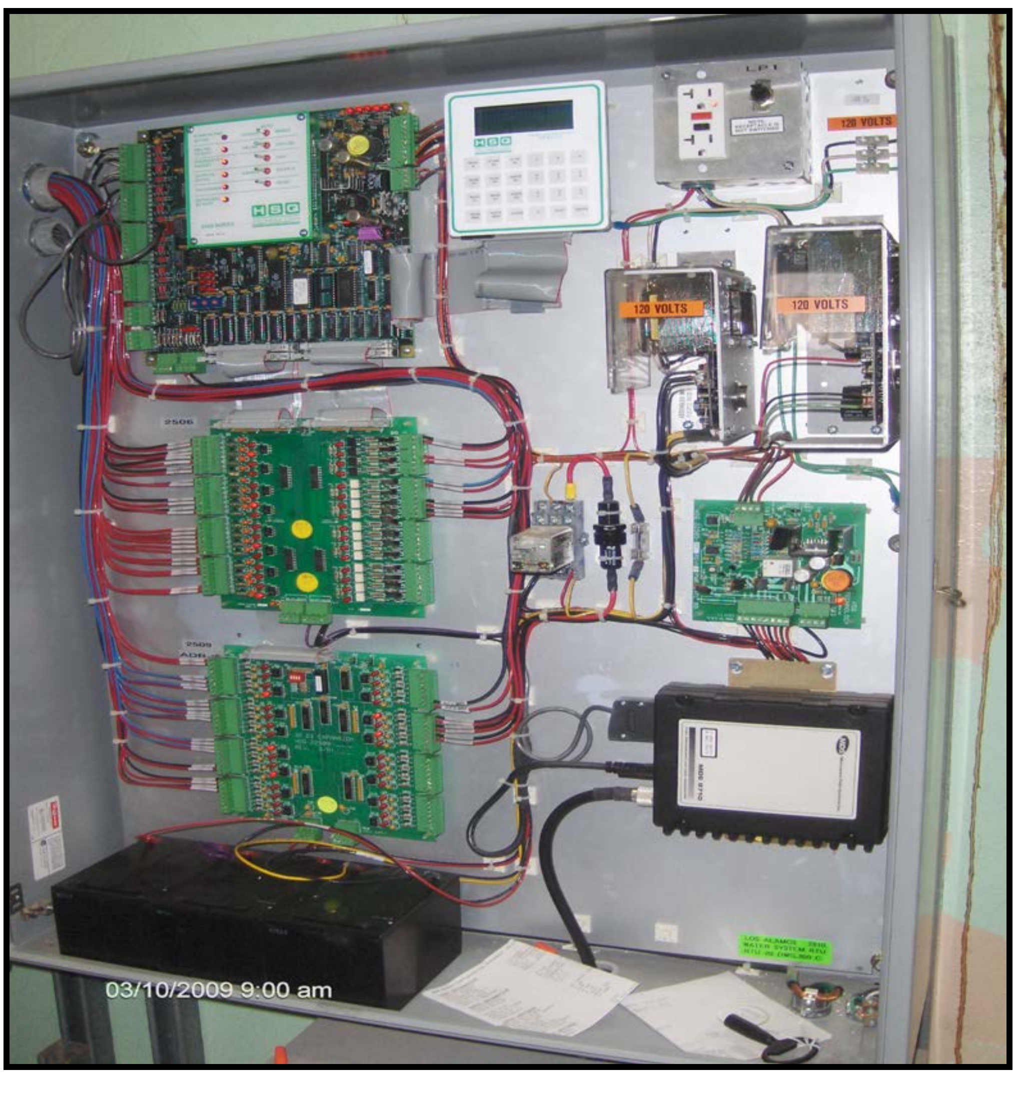
Schedule: Design and construction will occur in the spring/summer of 2018.

WATER PRODUCTION
FY18: Water SCADA Radio transmitter Unit (RTU) Replacement

Project Scope: Replace three water production Radio Transmitter Units (RTUs) associated with wells, boosters and tanks. The three most unreliable units will be replaced by in-house staff. New RTUs are being phased in each year throughout the system to maintain a reliable communications system.

Budget: $75,000

Schedule: Spring 2018.



WATER PRODUCTION

FY18: Automatic Well Replacement: Valves 9, 10 & 11.

Project Scope: These automatic valves are needed to open and close pipelines to transfer water efficiently from one section of the potable water system to other sections whenever there is a need due to a booster station or well pump failure. The mechanical and electrical portions of these valves do not function properly. Further, the equipment was manufactured overseas and it is extremely difficult to order and receive parts.

Budget: $150,000

Schedule: Spring 2018.

WATER PRODUCTION

FY18: Water SCADA Uninterruptible Power Source Replacement

Project Scope: An uninterruptible power supply (UPS) is a critical feature of the water and electric supervisory controls and data acquisition system (SCADA). The existing UPS at the Pajarito Cliffs serves both the water and electric SCADA systems and is over 15 years old. The UPS is beyond its service life and will be replaced.

Budget: $25,000

Schedule: Spring 2018.

WATER PRODUCTION

FY18: Non-Potable Design of Booster Stations and Tank Construction

Project Scope: The next phase of non-potable capital improvements recommended by the Master Plan are related to increasing non–potable water storage and refurbishing aged booster stations. A project has been scoped to design multiple booster station replacements and a second water tank adjacent to the existing Group 12 tank. A second project to construct a new water tank adjacent to the Bayo Booster Station has also been scoped. This new tank will maximize the capture of water during peak periods which is now discharged to the environment.

Budget: $495,000 Design
$776,000 Tank Construction

Schedule: Spring 2018.

WASTEWATER COLLECTION
FY-18: Aspen School Area Sewer Line Replacement / Rehabilitation Phase 1

Project Scope: Isolated problem areas in the sewer collection system will be repaired or rehabilitated as part of the waterline replacement project. The sewer lines in the area will be inspected by video camera and the need for repairs will be assessed.

Budget: $ 150,000

Schedule: Bid Spring 2018 / Construct Summer and Fall 2018

WASTEWATER COLLECTION

FY-18: Canyon Road Vitrified Clay Crossings Rehabilitation

Project Scope: Sewer problems have occurred in two locations where the sewer lines crosses Canyon Road. Video inspection of the lines revealed structural damage that will require sections of the pipelines be replaced.

Budget: $ 50,000

Schedule: Bid Spring 2018 / Construct Summer 2018

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018-FY2027
Electric Distribution

1.50%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
Expenditure Forecast										
Supervision, Misc Direct Admin	710,342	720,997	731,812	742,789	753,931	765,240	776,718	788,369	800,195	812,198
Substation Maintenance	36,663	37,213	37,771	38,338	38,913	39,497	40,089	40,691	41,301	41,920
Switching Station Maintenance	29,115	29,552	29,995	30,445	30,902	31,365	31,836	32,313	32,798	33,290
Overhead Maintenance	488,883	496,216	503,660	511,215	518,883	526,666	534,566	542,585	550,723	558,984
Underground Maintenance	375,882	381,521	387,243	393,052	398,948	404,932	411,006	417,171	423,429	429,780
Meter Maintenance	126,101	127,992	129,912	131,861	133,839	135,846	137,884	139,952	142,051	144,182
Interdepartmental Charges	566,670	575,170	583,798	592,555	601,443	610,465	619,621	628,916	638,350	647,925
Administrative Division Allocation	932,632	944,463	956,471	968,659	981,030	993,587	1,006,331	1,019,268	1,032,398	1,045,725
In Lieu Taxes	542,422	429,528	437,438	445,547	453,861	462,383	471,120	480,076	489,258	498,670
Debt Service	1,255,148	1,271,957	1,253,438	1,253,443	1,133,909	982,377	984,776	1,015,816	1,178,311	1,178,311
Profit Transfer	-	676,235	693,242	710,677	728,551	746,874	765,658	784,914	804,654	824,891
Cost of Power	7,375,000	7,827,826	8,317,058	8,249,972	8,240,559	8,519,385	8,714,375	8,929,365	9,144,355	9,359,345
Total Operations Expenses	12,438,858	13,518,670	14,061,838	14,068,553	14,014,767	14,218,616	14,493,981	14,819,435	15,277,823	15,575,222
Capital	2,233,371	3,030,000	1,836,180	1,906,057	2,081,208	2,102,020	2,123,040	2,144,271	2,165,713	2,187,371
Total Cash Outflow	14,672,230	16,548,670	15,898,018	15,974,610	16,095,975	16,320,636	16,617,022	16,963,706	17,443,536	17,762,593
Revenue Forecast										
KWh Sales	125,496,000	126,934,000	128,203,340	129,485,373	130,780,227	132,088,029	133,408,910	134,742,999	136,090,429	137,451,333
Revenue per KWh	$0.1221	$0.1239	$0.1258	$0.1276	$0.1296	$0.1315	$0.1335	$0.1355	$0.1375	$0.1396
Rate Increase Percentage		**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**	**1.5%**
Total Sales Revenue	15,318,453	15,726,390	16,121,908	16,527,374	16,943,038	17,369,155	17,805,990	18,253,810	18,712,893	19,183,523
Bond/Loan proceeds										
Bond Federal Subsidy	67,942	67,942	67,942	67,942	67,942	67,942	66,045	64,099	58,759	47,731
Interest on Utility Reserves	(183,000)	-	(15,108)	(4,440)	14,716	41,709	74,414	111,399	151,789	192,537
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	15,353,395	15,944,332	16,324,742	16,740,876	17,175,696	17,628,807	18,096,448	18,579,309	19,073,442	19,573,790
R&R and Cash Flows										
Net Cash Flow	681,165	(604,338)	426,724	766,266	1,079,721	1,308,170	1,479,427	1,615,603	1,629,906	1,811,198
Cumulative Net Cash Flow	681,165	76,828	503,552	1,269,818	2,349,539	3,657,709	5,137,136	6,752,739	8,382,644	10,193,842
Cash Balance	-	(604,338)	(177,614)	588,653	1,668,373	2,976,544	4,455,970	6,071,573	7,701,479	9,512,677
Recommended Cash Balance	5,495,965	4,289,832	4,368,941	4,558,184	4,563,435	4,561,130	4,597,758	4,642,002	4,719,574	4,493,722
Capital R&R Fund	-	65,618	(664,080)	(221,193)	165,104	386,188	590,881	778,648	948,940	1,101,195
Transfer to R&R Fund	(65,618)	-	(462,810)	(392,933)	(217,782)	(196,970)	(175,949)	(154,719)	(133,276)	(111,619)

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018-FY2027
Electric Production

1.50%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
Expenditure Forecast										
El Vado Generation	403,881	409,939	416,088	422,330	428,665	435,095	441,621	448,245	454,969	461,794
Abiquiu Generation	20,048	20,349	20,654	20,964	21,279	21,598	21,922	22,251	22,584	22,923
Contract Administration	1,576,030	1,599,671	1,623,666	1,648,021	1,672,741	1,697,832	1,723,299	1,749,149	1,775,386	1,802,017
Load Control	1,400,000	1,421,000	1,442,315	1,463,950	1,485,909	1,508,198	1,530,821	1,553,783	1,577,090	1,600,746
Transmission - PNM	2,285,008	2,319,283	2,354,072	2,389,383	2,425,224	2,461,603	2,498,527	2,536,005	2,574,045	2,612,655
Transmission - Other	13,219,781	13,418,078	13,619,349	13,823,639	14,030,994	14,241,459	14,455,080	14,671,907	14,891,985	15,115,365
Purchased Power	117,000	118,755	120,536	122,344	124,180	126,042	127,933	129,852	131,800	133,777
Photovoltaic Array	-	-	-	-	-	-	-	-	-	-
Debt Service	488,000	495,320	502,750	510,291	517,945	525,715	533,600	541,604	549,728	557,974
Property Taxes	160,000	162,400	164,836	167,309	169,818	172,365	174,951	177,575	180,239	182,942
Insurance	11,213,148	11,381,345	11,552,065	11,725,346	11,901,227	12,079,745	12,260,941	12,444,855	12,631,528	12,821,001
San Juan Operations	2,854,600	2,897,419	2,940,880	2,984,993	3,029,768	3,075,215	3,121,343	3,168,163	3,215,686	3,263,921
Laramie River Operations	450,000	456,750	463,601	470,555	477,614	484,778	492,049	499,430	506,922	514,525
SMR Project	-	-	-	-	-	-	-	-	-	-
Non-Pool Expenses	455,373	462,204	469,137	476,174	483,316	490,566	497,925	505,393	512,974	520,669
Interdepartmental Charges	903,234	916,783	930,534	944,492	958,660	973,040	987,635	1,002,450	1,017,486	1,032,749
Administrative Allocation	38,749,828	39,331,075	39,921,041	40,519,857	41,127,655	41,744,570	42,370,738	43,006,299	43,651,394	44,306,165
Capital	675,000	300,000	-	-	-	-	-	-	-	-
Total Operation Expenses	74,295,931	75,410,370	76,541,526	77,689,649	78,854,993	80,037,818	81,238,386	82,456,961	83,693,816	84,949,223
Total Capital Expenditures	675,000	300,000	-	-	-	-	-	-	-	-
Total Cash Outflow	74,970,931	75,710,370	76,541,526	77,689,649	78,854,993	80,037,818	81,238,386	82,456,961	83,693,816	84,949,223
1.01%										
Revenue Forecast										
Mwh Sales - LANL	542,688	548,169	553,706	559,298	564,947	570,653	576,417	582,238	588,119	594,059
Mwh Sales - LAC Distribution	125,530	126,798	128,079	129,372	130,679	131,999	133,332	134,678	136,039	137,413
Total Mwh Sales	$668,218	$674,967	$681,784	$688,670	$695,626	$702,652	$709,748	$716,917	$724,158	$731,472
Revenue per Mwh	**44.81**	**56.62**	**57.44**	**57.44**	**57.53**	**58.03**	**58.41**	**58.81**	**59.20**	**59.60**
DOE Revenues	29,941,469	30,390,591	30,846,450	31,309,147	31,778,784	32,255,466	32,739,298	33,230,387	33,728,843	34,234,776
Economy Sales	3,213,251	3,261,450	3,310,372	3,360,027	3,410,427	3,461,584	3,513,508	3,566,210	3,619,703	3,673,999
Interest on Reserves	25,000	25,003	(19,509)	(63,866)	(109,195)	(155,434)	(202,222)	(249,678)	(297,788)	(346,568)
Bond Federal Subsidy	33,984	(33,984)	(33,984)	(33,984)	(33,984)	(33,984)	(30,867)	(27,669)	(24,080)	(19,561)
Bond Issue proceeds										
Transfer from Distribution Fund	-	7,827,826	8,317,058	8,249,972	8,240,559	8,519,385	8,714,375	8,929,365	9,144,355	9,359,345
Total Cash Inflow	33,213,704	41,470,885	42,420,387	42,821,295	43,286,591	44,047,016	44,734,092	45,448,616	46,171,033	46,901,991
Net Cash Flow	(41,757,227)	(34,239,485)	(34,121,139)	(34,868,353)	(35,568,402)	(35,990,802)	(36,504,294)	(37,008,346)	(37,522,783)	(38,047,232)
Cumulative Net Cash Flow	(41,757,227)	(75,996,712)	(110,117,852)	(144,986,205)	(180,554,607)	(216,545,409)	(253,049,703)	(290,058,048)	(327,580,831)	(365,628,064)
Cash Balance	19,232,835	(15,006,650)	(49,127,789)	(83,996,143)	(119,564,545)	(155,555,347)	(192,059,641)	(229,067,986)	(266,590,769)	(304,638,001)
Recommended Cash Balance	22,873,983	22,852,593	23,135,381	23,422,412	23,713,748	24,009,455	24,309,596	24,614,240	24,923,454	25,237,306

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018-FY2027
Gas Distribution

1.50%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
Supervision, Misc Direct Admin	256,975	260,829	264,742	268,713	272,743	276,835	280,987	285,202	289,480	293,822
Gas Distribution	280,994	285,209	289,487	293,829	298,237	302,710	307,251	311,860	316,538	321,286
Gas Meters	137,486	139,548	141,641	143,766	145,922	148,111	150,333	152,588	154,876	157,200
Interdepartmental Charges	351,003	356,268	361,612	367,036	372,542	378,130	383,802	389,559	395,402	401,333
Administrative Division Allocation	816,091	825,722	835,498	845,420	855,492	865,714	876,090	886,621	897,310	908,160
In Lieu Taxes	205,330	119,830	119,830	119,830	119,830	119,830	119,830	119,830	119,830	119,830
Profit Transfer	262,075	244,778	244,778	244,778	244,778	244,778	244,778	244,778	244,778	244,778
Cost of Gas	2,537,766	2,575,833	2,614,470	2,653,687	2,693,493	2,733,895	2,774,903	2,816,527	2,858,775	2,901,656
TOTAL Operations Expenses	4,847,719	4,808,017	4,872,058	4,937,060	5,003,037	5,070,003	5,137,974	5,206,964	5,276,990	5,348,065
Capital	700,000	454,500	459,045	309,090	260,151	262,753	265,380	268,034	270,714	273,421
TOTAL Cash Outflow	**5,547,719**	**5,262,517**	**5,331,103**	**5,246,150**	**5,263,188**	**5,332,756**	**5,403,354**	**5,474,998**	**5,547,704**	**5,621,487**
Revenue Forecast										
Therm Sales	8,455,275	8,455,275	8,455,275	8,455,275	8,455,275	8,455,275	8,455,275	8,455,275	8,455,275	8,455,275
Revenue per Therm	$ 0.620	$ 0.620	$ 0.620	$ 0.620	$ 0.620	$ 0.620	$ 0.620	$ 0.620	$ 0.620	$ 0.620
Rate Increase Percentage	**-10.00%**									
Total Sales Revenue	$ 5,241,503	5,241,503	5,241,503	5,241,503	5,241,503	5,241,503	5,241,503	5,241,503	5,241,503	5,241,503
Interest on Utility Reserves	82,000	83,230	84,478	85,746	87,032	88,337	89,662	91,007	92,372	93,758
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	5,343,503	5,345,033	5,346,586	5,348,162	5,349,762	5,351,386	5,353,034	5,354,707	5,356,405	5,358,129
Net Cash Flow	(204,216)	82,516	15,483	102,012	86,574	18,630	(50,320)	(120,291)	(191,299)	(263,358)
Cummulative net cash flow	(204,216)	(121,701)	(106,218)	(4,206)	82,369	100,999	50,679	(69,612)	(260,910)	(524,268)
Cash Balance	6,397,463	6,479,979	6,495,462	6,597,474	6,684,048	6,702,678	6,652,359	6,532,068	6,340,769	6,077,412
Recommended Cash Balance	1,016,470	1,005,897	862,293	819,800	828,944	838,212	847,607	857,129	866,780	850,408
Capital R&R Fund	1,050,000	669,628	527,148	377,274	374,357	420,320	464,602	507,142	547,878	586,749
Transfer to R&R Fund	-	-	-	-	(38,477)	(35,875)	(33,248)	(30,594)	(27,914)	(25,206)

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018 through FY2027
Water Distribution

1.50%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
Expenditure Forecast										
Supervision, Misc Direct Admin	184,778	187,550	190,363	193,218	196,117	199,058	202,044	205,075	208,151	211,273
Hydrants	60,645	61,555	62,478	63,415	64,367	65,332	66,312	67,307	68,316	69,341
Water Distribution	372,203	377,786	383,453	389,204	395,042	400,968	406,983	413,087	419,284	425,573
Water Meters	634,691	700,000	700,000	225,000	228,375	231,801	235,278	238,807	242,389	246,025
Interdepartmental Charges	328,386	333,312	338,311	343,386	348,537	353,765	359,071	364,458	369,924	375,473
Administrative Division Allocation	594,839	603,762	612,818	622,010	631,340	640,811	650,423	660,179	670,082	680,133
Cost of Water	2,650,500	2,828,750	2,983,750	3,115,500	3,239,500	3,348,000	3,448,750	3,534,000	3,611,500	3,681,250
Capital	550,000	558,000	817,000	677,000	849,000	970,000	601,000	777,000	676,000	858,000
Total Operation Expenses	4,826,041	5,092,714	5,271,173	4,951,734	5,103,278	5,239,735	5,368,861	5,482,912	5,589,646	5,689,068
Total Capital Expenditures	550,000	558,000	817,000	677,000	849,000	970,000	601,000	777,000	676,000	858,000
Total Expenditures	5,376,041	5,650,714	6,088,173	5,628,734	5,952,278	6,209,735	5,969,861	6,259,912	6,265,646	6,547,068
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	$ 6.33	$ 6.73	$ 7.06	$ 7.36	$ 7.62	$ 7.81	$ 7.97	$ 8.11	$ 8.23	$ 8.35
Rate Increase Percentage	**8.00%**	**6.25%**	**5.00%**	**4.25%**	**3.50%**	**2.50%**	**2.00%**	**1.75%**	**1.50%**	**1.50%**
Total Sales Revenue	4,905,750	5,212,359	5,472,977	5,705,579	5,905,274	6,052,906	6,173,964	6,282,008	6,376,239	6,471,882
Interest on Utility Reserves	9,161	7,870	1,876	-	-	-	-	-	-	-
Revenue on Recoverable Work	30,450	30,907	31,370	31,841	32,319	32,803	33,295	33,795	34,302	34,816
Total Cash Inflow from Operations	4,945,361	5,251,136	5,506,224	5,737,420	5,937,593	6,085,709	6,207,259	6,315,803	6,410,540	6,506,698
R&R and Cash Flows										
Net Cash Flow	(430,680)	(399,578)	(581,949)	108,685	(14,685)	(124,025)	237,399	55,891	144,894	(40,370)
Cumulative Net Cash Flow	(430,680)	(830,258)	(1,412,207)	(1,303,522)	(1,318,207)	(1,442,232)	(1,204,833)	(1,148,942)	(1,004,048)	(1,044,418)
Cash Balance	**524,661**	**125,084**	**(456,865)**	**(348,180)**	**(362,865)**	**(486,891)**	**(249,492)**	**(193,601)**	**(48,706)**	**(89,076)**
Recommended Cash Balance	1,551,885	1,832,991	1,698,856	1,758,059	1,885,944	1,523,934	1,707,028	1,613,228	1,802,536	1,744,536
Capital R&R Fund	152,355	360,586	564,982	514,466	602,939	521,182	316,790	477,310	465,040	553,525
Transfer to R&R Fund	(205,184)	(197,184)	-	(78,184)	-	-	(154,184)	-	(79,184)	-

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018 through FY2027
Water Distribution

Rates										
Commodity rate per kgal										
Residential Tier 1 - < 9,000 gals	4.98	5.29	5.55	5.79	5.99	6.14	6.26	6.37	6.47	6.57
Residential Tier 2 - 9 to 15,000 gals	5.29	5.62	5.90	6.15	6.37	6.53	6.66	6.78	6.88	6.98
Residential Tier 3 - > 15,000 gals	6.32	6.71	7.05	7.35	7.61	7.80	7.96	8.10	8.22	8.34
Multi-Family Tier 1 - < 9,000 gals	4.98	5.29	5.55	5.79	5.99	6.14	6.26	6.37	6.47	6.57
Multi-Family Tier 2 - 9 to 15,000 gals	5.23	5.55	5.83	6.08	6.29	6.45	6.58	6.70	6.80	6.90
Multi-Family Tier 3 - > 15,000 gals	5.35	5.68	5.96	6.21	6.43	6.59	6.72	6.84	6.94	7.04
Commercial All Tiers	4.98	5.29	5.55	5.79	5.99	6.14	6.26	6.37	6.47	6.57
County & Schools All Tiers	4.98	5.29	5.55	5.79	5.99	6.14	6.26	6.37	6.47	6.57
Customer Charge per Meter Size										
= or < 1.25"	9.42	10.01	10.51	10.96	11.34	11.62	11.85	12.06	12.24	12.42
1.5"	29.84	31.71	33.30	34.72	35.94	36.84	37.58	38.24	38.81	39.39
2"	44.55	47.33	49.70	51.81	53.62	54.96	56.06	57.04	57.90	58.77
2.5" to 3"	87.91	93.41	98.08	102.25	105.83	108.48	110.65	112.59	114.28	115.99
4"	149.69	159.04	166.99	174.09	180.18	184.68	188.37	191.67	194.55	197.47
6"	316.01	335.76	352.55	367.53	380.39	389.90	397.70	404.66	410.73	416.89
8"	522.13	554.76	582.50	607.26	628.51	644.22	657.10	668.60	678.63	688.81

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018 through FY2027
Water Production

1.5%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
Expenditure Forecast										
Supervision and Operations	963,806	978,263	992,937	1,007,831	1,022,949	1,038,293	1,053,867	1,069,675	1,085,720	1,102,006
Pumping Power	800,000	774,300	774,300	774,300	774,300	774,300	774,300	774,300	774,300	774,300
Wells	135,631	137,665	139,730	141,826	143,954	146,113	148,305	150,529	152,787	155,079
Booster Pump Stations	123,587	125,441	127,323	129,233	131,171	133,139	135,136	137,163	139,220	141,308
Treatment	104,271	105,835	107,422	109,034	110,669	112,329	114,014	115,724	117,460	119,222
Storage Tanks	19,385	19,676	19,971	20,271	20,575	20,883	21,197	21,515	21,837	22,165
Transmission Lines	64,705	65,676	66,661	67,661	68,676	69,706	70,751	71,813	72,890	73,983
Non Potable System	393,018	398,913	404,897	410,970	417,135	423,392	429,743	436,189	442,732	449,372
Interdepartmental Charges	337,902	342,971	348,115	353,337	358,637	364,016	369,477	375,019	380,644	386,354
Administrative Division Allocation	601,111	610,128	619,280	628,569	637,997	647,567	657,281	667,140	677,147	687,304
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	235,735	300,961	329,249	363,657	383,583	668,186	682,822	556,213	391,332	391,332
Capital	2,025,000	1,015,000	1,700,000	3,173,000	1,061,000	1,077,000	1,093,000	1,249,000	1,126,000	172,000
Capital Paid with Debt/Grants/Reimb	3,771,000	964,000	850,000	261,000	1,167,000	838,000	820,000	721,000	1,042,000	600,000
Capital Paid with Cash	1,500,000									
Total Operations Expenses	3,824,151	3,905,504	3,976,245	4,053,744	4,117,406	4,446,402	4,506,097	4,425,223	4,306,761	4,353,878
Total Capital Expenditures	7,296,000	1,979,000	2,550,000	3,434,000	2,228,000	1,915,000	1,913,000	1,970,000	2,168,000	772,000
Total Cash Outflow	11,120,151	5,884,504	6,526,245	7,487,744	6,345,406	6,361,402	6,419,097	6,395,223	6,474,761	5,125,878
Revenue Forecast										
Non-potable										
Non-potable production in kgals	86,400	90,400	90,400	94,500	94,500	108,600	136,500	136,500	136,500	136,500
Non-potable rate per 1000 gallons	$ 2.50	$ 2.70	$ 2.89	$ 3.08	$ 3.27	$ 3.47	$ 3.66	$ 3.84	$ 4.01	$ 4.17
Rate Increase Percentage	**117%**	**8.00%**	**7.00%**	**6.50%**	**6.25%**	**6.00%**	**5.50%**	**5.00%**	**4.50%**	**4.00%**
Non-potable sales revenue	$ 216,000	$ 244,080	$ 261,256	$ 291,060	$ 309,015	$ 376,842	$ 499,590	$ 524,160	$ 547,365	$ 569,205

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018 through FY2027
Water Production

1.5%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
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	$ 3.42	$ 3.65	$ 3.85	$ 4.02	$ 4.18	$ 4.32	$ 4.45	$ 4.56	$ 4.66	$ 4.75
Rate Increase Percentage	**8.00%**	**6.75%**	**5.50%**	**4.50%**	**4.00%**	**3.25%**	**3.00%**	**2.50%**	**2.25%**	**2.00%**
Potable sales revenue	$ 3,933,000	$ 4,197,500	$ 4,427,500	$ 4,623,000	$ 4,807,000	$ 4,968,000	$ 5,117,500	$ 5,244,000	$ 5,359,000	$ 5,462,500
Total Sales Revenue	**$ 4,149,000**	**$ 4,441,580**	**$ 4,688,756**	**$ 4,914,060**	**$ 5,116,015**	**$ 5,344,842**	**$ 5,617,090**	**$ 5,768,160**	**$ 5,906,365**	**$ 6,031,705**
Repayment & Interest on Inter-Utility Loans	187,569	187,569	187,569	187,569	187,569	187,569	187,569	93,784	-	-
Interest on Utility Reserves	109,233	-	-	-	-	-	-	-	-	-
Bond Federal Subsidy	27,576	27,576	27,576	27,576	27,576	27,576	21,338	14,940	10,459	8,496
Econ Dev Fund/Ski Hill Reimb	4,000,000									
Federal or State Grant/Loan	1,271,000	964,000	850,000	261,000	1,167,000	838,000	820,000	721,000	1,042,000	600,000
Total Cash Inflow	9,744,378	5,620,725	5,753,901	5,390,205	6,498,160	6,397,987	6,645,997	6,597,884	6,958,824	6,640,201
R&R and Cash Flows										
Net Cash Flow	(1,375,773)	(263,779)	(772,344)	(2,097,539)	152,754	36,585	226,900	202,661	484,062	1,514,322
Cumulative Net Cash Flow	(1,375,773)	(1,639,552)	(2,411,896)	(4,509,435)	(4,356,681)	(4,320,096)	(4,093,197)	(3,890,536)	(3,406,474)	(1,892,151)
Cash Balance	**(2,912,390)**	**(3,176,169)**	**(3,948,513)**	**(6,046,052)**	**(5,893,298)**	**(5,856,713)**	**(5,629,814)**	**(5,427,153)**	**(4,943,091)**	**(3,428,768)**
Recommended Cash Balance	2,597,839	3,352,097	4,863,998	2,797,179	2,844,039	3,155,740	3,337,641	3,099,466	1,992,189	3,489,120
Capital R&R Fund	8,000,000	7,025,994	7,042,508	6,374,352	4,219,834	4,134,224	4,030,903	3,909,515	3,629,700	3,467,288
Transfer to R&R Fund	-	-	-	-	-	-	-	-	-	(718,994)

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018-FY2027
Wastewater Division

1.50%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
EXPENSE FORECAST										
WASTEWATER COLLECTION										
Supervision, Misc Direct Admin	230,375	233,831	237,338	240,898	244,512	248,179	251,902	255,681	259,516	263,409
Wastewater Collection Operations	367,602	373,116	378,713	384,394	390,160	396,012	401,952	407,981	414,101	420,313
Sewer Lift Stations	275,214	279,342	283,532	287,785	292,102	296,483	300,931	305,444	310,026	314,677
Total WWC Operations Expenses	873,191	886,289	899,583	913,077	926,773	940,675	954,785	969,107	983,643	998,398
WASTEWATER TREATMENT										
LA WWTP Operations & Maintenance	869,508	882,550	895,788	909,225	922,864	936,707	950,757	965,019	979,494	994,186
WR WWTP Operations & Maintenance	448,592	455,321	462,151	469,083	476,119	483,261	490,510	497,868	505,336	512,916
Total WWT Operations Expenses	1,318,100	1,337,871	1,357,939	1,378,308	1,398,983	1,419,968	1,441,267	1,462,886	1,484,830	1,507,102
Interdepartmental Charges	646,445	656,142	665,984	675,974	686,113	696,405	706,851	717,454	728,216	739,139
Administrative Division Allocation	605,847	613,432	621,130	628,944	636,875	644,925	653,095	661,389	669,806	678,350
Debt Service (WWT)	1,155,799	1,155,799	1,155,799	2,236,725	2,236,725	2,236,625	2,236,726	2,142,941	2,049,156	2,049,156
Capital	200,000	843,350	2,878,722	3,770,902	497,409	685,259	440,531	868,430	696,277	1,125,402
Capital Paid with WTB Loan				12,000,000						
Total Operations Expenses	4,599,381	4,649,532	4,700,436	5,833,028	5,885,469	5,938,597	5,992,724	5,953,776	5,915,651	5,972,145
Total Capital Expenditures	200,000	843,350	2,878,722	15,770,902	497,409	685,259	440,531	868,430	696,277	1,125,402
Total Cash Outflow	4,799,381	5,492,882	7,579,158	21,603,930	6,382,878	6,623,855	6,433,255	6,822,206	6,611,928	7,097,547
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	37.18	40.15	42.66	44.79	46.69	48.32	49.53	50.52	51.40	52.17
Res'l Single-Family Service Charge	10.27	11.09	11.78	12.37	12.90	13.35	13.68	13.95	14.19	14.40
Rate Increase Percentage	***8.00%***	***8.00%***	***6.25%***	***5.00%***	***4.25%***	***3.50%***	***2.50%***	***2.00%***	***1.75%***	***1.50%***
Total Revenue from Res'l SF Flat Rate	3,736,807	4,035,279	4,287,287	4,501,494	4,692,863	4,856,668	4,977,947	5,077,175	5,165,378	5,242,555

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2018-FY2027
Wastewater Division

1.50%	BUDGET 2018	FORECAST 2019	FORECAST 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	FORECAST 2026	FORECAST 2027
Res'l Multi-Family Flat Rate Customers	75	75	75	75	75	75	75	75	75	75
Res'l Multi-Family Service Charge	10.27	11.09	11.78	12.37	12.90	13.35	13.68	13.95	14.19	14.40
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	30.97	33.45	35.54	37.32	38.91	40.27	41.28	42.11	42.85	43.49
Rate Increase Percentage	***8.00%***	***8.00%***	***6.25%***	***5.00%***	***4.25%***	***3.50%***	***2.50%***	***2.00%***	***1.75%***	***1.50%***
Total Revenue from Res'l MF Flat Rate	562,395	607,428	645,378	677,702	706,578	731,273	749,610	764,678	778,111	789,731
Non-Residential Customers	291	291	291	291	291	291	291	291	291	291
Non-Residential Service Charge	10.27	11.09	11.78	12.37	12.90	13.35	13.68	13.95	14.19	14.40
Non-Residential Sales in Kgal -0.20%	47,522	47,427	47,332	47,237	47,143	47,049	46,955	46,861	46,767	46,673
Adjustment Factor	16.00%	8.00%	1.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Adjusted Non-Residential Sales in Kgal	55,126	51,221	48,160	47,237	47,143	47,049	46,955	46,861	46,767	46,673
Non-Res'l Commodity Charge per Kgal	17.50	18.90	20.08	21.08	21.98	22.75	23.32	23.79	24.21	24.57
Rate Increase Percentage	***8.00%***	***8.00%***	***6.25%***	***5.00%***	***4.25%***	***3.50%***	***2.50%***	***2.00%***	***1.75%***	***1.50%***
Total Revenue from Non-Residential	970,543	976,601	977,951	1,007,792	1,048,812	1,083,466	1,108,469	1,128,623	1,146,326	1,161,139
Total Sales Revenue	5,269,745	5,691,324	6,047,032	6,349,384	6,619,232	6,850,905	7,022,178	7,162,622	7,287,968	7,397,287
Interest on Utility Reserves	13,516	15,077	10,337	244,301	9,539	2,194	(2,791)	(5,978)	(7,015)	(5,538)
Bond Issue Proceeds			17,272,000							
Revenue on Recoverable Work	-	-	-	-	-	-	-	-	-	-
Total Cash Inflow	5,283,261	5,706,402	23,329,369	6,593,685	6,628,771	6,853,099	7,019,387	7,156,644	7,280,953	7,391,749
Net Cash Flow	(529,692)	(316,052)	15,597,639	(15,650,816)	(489,678)	(332,328)	(212,439)	(69,133)	98,454	109,631
Cumulative Net Cash Flow	(529,692)	(845,744)	14,751,896	(898,920)	(1,388,598)	(1,720,926)	(1,933,365)	(2,002,498)	(1,904,045)	(1,794,414)
Cash Balance	1,005,160	689,108	16,286,748	635,931	146,254	(186,074)	(398,513)	(467,646)	(369,193)	(259,562)
Recommended Cash Balance	3,360,044	5,407,954	18,312,860	4,133,210	4,334,170	4,102,649	4,544,155	4,291,927	4,641,182	4,279,903
Capital R&R Fund	(1,050,000)	(67,929)	459,605	621,368	1,274,367	2,035,425	2,637,705	3,489,030	3,962,382	4,612,201
Transfer to R&R Fund	(1,013,571)	(529,571)	(152,571)	(640,571)	(735,571)	(561,571)	(798,571)	(403,571)	(570,571)	(184,571)