**Los Alamos County Utilities Department**
**Fiscal Year 2019/20 Budget**
**Board Approval 03-21-2018**

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Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget

| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| Electric Production | 34,021,176 | 17,888,826 | 40,600,226 | 39,108,336 | 37,789,735 |
| Electric Distribution | 14,006,298 | 8,700,068 | 14,881,688 | 14,284,001 | 13,816,023 |
| Less Interdivision Electric Sales | (5,581,935) | (5,823,259) | (6,980,612) | (7,381,676) | (6,963,589) |
| Total Electric Fund | $ 42,445,539 | $ 20,765,635 | $ 48,501,302 | $ 46,010,661 | $ 44,642,169 |
| | | | | | |
| Gas | $ 5,520,240 | $ 1,859,001 | $ 5,462,942 | $ 4,556,908 | $ 5,041,516 |
| | | | | | |
| Water Production | 4,416,072 | 1,934,828 | 11,200,314 | 6,616,951 | 4,646,328 |
| Water Distribution | 6,241,623 | 2,286,814 | 5,039,246 | 5,185,937 | 5,375,317 |
| Less Interdivision Water Sales | (2,767,536) | (1,482,380) | (2,650,500) | (2,829,409) | (2,985,026) |
| Total Water Fund | $ 7,890,159 | $ 2,739,262 | $ 13,589,060 | $ 8,973,480 | $ 7,036,619 |
| | | | | | |
| Wastewater | $ 4,707,137 | $ 2,277,088 | $ 4,822,576 | $ 6,015,412 | $ 18,359,073 |
| | | | | | |
| **Total Expenditure Budget** | **$ 60,563,074** | **$ 27,640,987** | **$ 72,375,880** | **$ 65,556,461** | **$ 75,079,377** |

**Los Alamos County Department of Public Utilities**
**Fiscal Year 2019 and 2020**
**Budget Summary by Categories**

| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| **Expenditures by Fund:** | | | | | |
| Electric | 42,445,539 | 20,765,635 | 48,501,302 | 46,010,661 | 44,642,169 |
| Gas | 5,520,240 | 1,859,001 | 5,462,942 | 4,556,908 | 5,041,516 |
| Water | 7,890,159 | 2,739,262 | 13,589,060 | 8,973,480 | 7,036,619 |
| Wastewater | 4,707,137 | 2,277,088 | 4,822,576 | 6,015,412 | 18,359,073 |
| | 60,563,074 | 27,640,987 | 72,375,880 | 65,556,461 | 75,079,377 |
| **Expenditures by Type:** | | | | | |
| Salaries | 5,623,365 | 2,764,774 | 6,925,364 | 7,008,203 | 7,040,384 |
| Benefits | 3,682,377 | 1,812,155 | 2,652,404 | 2,694,862 | 2,834,277 |
| Contractual Services | 30,654,399 | 16,050,700 | 38,501,502 | 37,084,137 | 36,110,808 |
| Other Services | 1,609,615 | 726,145 | 1,796,371 | 1,759,329 | 1,749,468 |
| Materials/Supplies | 1,166,838 | 422,671 | 1,673,104 | 1,650,200 | 1,648,900 |
| Interfund Charges | 4,069,085 | 2,109,048 | 5,684,386 | 5,399,420 | 5,262,728 |
| IDCs | 2,593,038 | 1,680,688 | 2,768,398 | 2,829,267 | 2,814,267 |
| Capital Outlay | 6,555 | 102,628 | 367,140 | 418,700 | 323,000 |
| Bank Charges | 2,683 | - | - | - | - |
| Misc. Other Charges | 227,410 | 113,700 | - | - | - |
| Profit Transfer | 821,156 | - | 913,140 | 864,860 | 889,868 |
| Debt Service | 5,130,940 | 2,564,287 | 5,182,753 | 5,251,698 | 5,255,477 |
| Capital | 8,643,866 | 1,114,821 | 10,621,000 | 5,110,000 | 15,508,266 |
| Admin. & Gen. Allocation | (3,668,253) | (1,820,630) | (4,709,682) | (4,514,216) | (4,358,067) |
| | 60,563,074 | 27,640,987 | 72,375,880 | 65,556,461 | 75,079,377 |
| **FTE Summary:** | | | | | |
| Regular (full & part time) | 93.00 | 93.00 | 93.00 | 93.00 | 93.00 |
| Casual, student & temp. | 5.34 | 5.34 | 5.34 | 4.60 | 4.60 |
| | 98.34 | 98.34 | 98.34 | 97.60 | 97.60 |
| **FTE by Division:** | | | | | |
| Electric Production | 12.00 | 12.00 | 12.00 | 13.00 | 13.00 |
| Electric Distribution | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 |
| Gas/Water/Sewer | 29.07 | 29.07 | 29.07 | 28.30 | 28.30 |
| Water Production | 9.25 | 9.25 | 9.25 | 9.50 | 9.50 |
| Wastewater Treatment | 9.00 | 9.00 | 9.00 | 9.50 | 9.50 |
| Administrative & General | 26.02 | 26.02 | 26.02 | 24.30 | 24.30 |
| | 98.34 | 98.34 | 98.34 | 97.60 | 97.60 |

Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget -- **ELECTRIC PRODUCTION**



| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| **REVENUE** | | | | | |
| Mwh Sales - LANL | 456,460 | 266,188 | 542,688 | 510,377 | 519,916 |
| Mwh Sales - LAC Distribution | 115,799 | 57,412 | 125,530 | 121,969 | 123,371 |
| Total Mwh Sales | 572,260 | 323,600 | 668,218 | 632,346 | 643,287 |
| Revenue per Mwh | $ 50.45 | $ 55.21 | $ 54.07 | $ 56.66 | $ 53.67 |
| DOE Revenues | $ 23,290,633 | $ 12,041,733 | $ 29,152,767 | $ 28,446,452 | $ 27,560,161 |
| Economy Sales | 3,287,149 | 2,017,056 | 4,248,065 | 3,150,033 | 3,143,147 |
| Interest on Reserves | 40,591 | 34,041 | 130,000 | 96,191 | 88,855 |
| Bond Federal Subsidy | 31,639 | 16,992 | 33,984 | 33,984 | 33,984 |
| **TOTAL REVENUE** | $ 26,650,012 | $ 14,109,822 | $ 33,564,816 | $ 31,726,660 | $ 30,826,147 |
| **OPERATING EXPENSES** | | | | | |
| El Vado Generation | $ 447,163 | $ 148,116 | $ 620,427 | $ 476,807 | $ 458,082 |
| Abiquiu Generation | 294,949 | 112,757 | 403,881 | 483,551 | 399,174 |
| Contract Administration | 37,334 | 26,901 | 20,048 | 17,997 | 18,204 |
| Load Control | 1,576,674 | 671,599 | 1,822,030 | 1,601,620 | 1,336,365 |
| Transmission - PNM | 1,688,546 | 845,361 | 1,405,000 | 2,899,531 | 3,044,007 |
| Transmission - Other | 2,040,072 | 1,009,916 | 2,285,008 | 1,983,778 | 2,027,784 |
| Purchased Power | 11,698,497 | 6,595,665 | 14,614,373 | 12,669,418 | 12,900,634 |
| Photovoltaic Array | 157,163 | 22,042 | 117,000 | 30,000 | 30,000 |
| Debt Service | 2,498,743 | 1,253,984 | 2,536,071 | 2,774,417 | 2,776,773 |
| Property Taxes | 432,065 | 208,971 | 458,055 | 449,087 | 443,108 |
| Insurance | 114,844 | 83,750 | 120,000 | 120,000 | 120,000 |
| San Juan Operations | 8,123,247 | 4,221,292 | 11,213,148 | 11,066,525 | 10,381,834 |
| Laramie River Operations | 2,782,648 | 1,865,954 | 2,854,600 | 2,865,754 | 2,373,418 |
| SMR Project | 80,651 | 31,984 | 450,000 | 275,595 | 275,893 |
| Non-Pool Expenses | 207,987 | 33,191 | - | - | - |
| Interdepartmental Charges | 415,689 | 214,445 | 447,280 | 459,440 | 459,440 |
| Administrative Allocation | 609,177 | 343,470 | 558,305 | 629,817 | 610,020 |
| **TOTAL OPERATING EXPENSES** | $ 33,205,449 | $ 17,689,399 | $ 39,925,226 | $ 38,803,336 | $ 37,654,735 |
| **OPERATING INCOME (LOSS)** | **$ (6,555,437)** | **$ (3,579,577)** | **$ (6,360,410)** | **$ (7,076,677)** | **$ (6,828,589)** |
| **CAPITAL EXPENDITURES** | | | | | |
| Capital Expenditures | $ 815,727 | $ 199,427 | $ 675,000 | $ 305,000 | $ 135,000 |
| **OTHER FINANCING Forecast** | | | | | |
| Transfer from Distribution Fund | $ 5,581,935 | $ 5,823,259 | $ 6,980,612 | $ 7,381,676 | $ 6,963,589 |
| **NET INCOME (LOSS)** | **$ (1,789,229)** | **$ 2,044,255** | **$ (54,798)** | **$ (0)** | **$ 0** |
| ***Cash & Investments*** | | | | | |
| Working Cash | 592,011 | | (5,911,893) | | |
| Resource Pool Checking | | | 3,441,779 | | |
| Operations Reserve | 4,399,143 | | 4,338,880 | 5,341,127 | 5,177,978 |
| Contingency Reserve | | | 4,000,000 | - | - |
| Total Unrestricted Cash & Investments | $ 4,991,153 | | $ 5,868,766 | $ 5,357,972 | $ 5,130,572 |
| ***Restricted*** | | | | | |
| Bond Reserve & Debt Service | 1,877,533 | | $ 1,829,075 | $ 1,877,533 | $ 1,877,533 |
| San Juan Decommissioning | 4,911,606 | | $ 4,871,014 | $ 5,288,406 | $ 5,476,806 |
| San Juan Mine Reclamation | 3,822,578 | | $ 4,428,776 | $ 4,428,776 | $ 4,428,776 |
| Laramie River Decommissioning | 740,275 | | $ 744,928 | $ 818,275 | $ 857,275 |
| Bond Construction Fund | 1,482,614 | | $ 1,495,623 | | |
| Total Restricted | $ 12,834,606 | | $ 13,369,416 | $ 12,412,990 | $ 12,640,390 |
| ***Total Cash & Investments*** | $ 17,825,759 | | $ 19,238,182 | $ 17,770,961 | $ 17,770,962 |

Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget -- **ELECTRIC DISTRIBUTION**

| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| **REVENUE** | | | | | |
| kWh Sales | 115,799,390 | 57,430,990 | 125,496,000 | 121,939,000 | 123,371,000 |
| Revenue per kWh | $ 0.1188 | $ 0.1188 | $ 0.1221 | $ 0.1165 | $ 0.1151 |
| Sales Revenue | $ 13,757,854 | $ 6,822,906 | $ 15,319,172 | $ 14,203,145 | $ 14,203,145 |
| Interest on Utility Reserves | 131,438 | 57,944 | (183,000) | 0 | 0 |
| Bond Federal Subsidy | 63,254 | 33,971 | 67,942 | 67,942 | 67,942 |
| Pole Rentals | 22,262 | 22,262 | | 53,601 | 53,601 |
| Misc. Service Revenues | 52,097 | 18,072 | | 50,000 | 50,000 |
| Revenue on Recoverable Work | 243,091 | 54,671 | 150,000 | 150,000 | 150,000 |
| **TOTAL REVENUE** | $ 14,269,996 | $ 7,009,826 | $ 15,354,114 | $ 14,524,688 | $ 14,524,688 |
| **OPERATING EXPENSES** | | | | | |
| Supervision, Misc Direct Admin | 688,765 | 294,245 | 710,342 | 660,479 | 668,774 |
| Substation Maintenance | 24,838 | 5,286 | 36,663 | 36,237 | 36,772 |
| Switching Station Maintenance | 18,652 | 10,688 | 29,115 | 31,520 | 31,898 |
| Overhead Maintenance | 321,509 | 164,173 | 488,883 | 499,014 | 504,751 |
| Underground Maintenance | 310,381 | 174,005 | 375,882 | 391,173 | 396,118 |
| Meter Maintenance | 194,739 | 59,356 | 126,101 | 82,331 | 83,481 |
| Interdepartmental Charges | 428,969 | 226,232 | 583,503 | 649,857 | 649,857 |
| Eng. Cust Svc. MR and Admin | 595,067 | 324,532 | 852,774 | 798,595 | 739,092 |
| In Lieu Taxes | 548,895 | 233,361 | 558,229 | 529,609 | 526,476 |
| Debt Service | 1,248,750 | 618,388 | 1,255,148 | 1,271,957 | 1,253,438 |
| Cost of Power | 5,581,935 | 5,823,259 | 6,980,612 | 7,381,676 | 6,963,589 |
| **TOTAL OPERATING EXPENSES** | $ 9,962,501 | $ 7,933,525 | $ 11,997,252 | $ 12,332,449 | $ 11,854,246 |
| **OPERATING INCOME (LOSS)** | **$ 4,307,495** | **$ (923,699)** | **$ 3,356,862** | **$ 2,192,239** | **$ 2,670,442** |
| **CAPITAL EXPENDITURES** | | | | | |
| Capital Expenditures | $ 3,449,116 | $ 766,543 | $ 2,233,371 | $ 1,340,817 | $ 1,351,042 |
| **OTHER FINANCING** | | | | | |
| Bond/Grant proceeds | $ - | | | | |
| Profit Transfer to General Fund | (594,681) | | (651,065) | (610,735) | (610,735) |
| Sale of Scrap/Obsolete Inventory | 1,947 | | | | |
| **BUDGETED NET INCOME (LOSS)** | **$ 265,645** | **$ (1,690,242)** | **$ 472,426** | **$ 240,687** | **$ 708,665** |
| ***Cash & Investments*** | | | | | |
| Working Cash | (5,365,102) | | (12,367,016) | (169,517) | (104,121) |
| Capital Replacement | - | | - | - | - |
| Operations Reserve | - | | 1,804,075 | 739,161 | 1,382,429 |
| Contingency Reserve | - | | 1,200,000 | - | - |
| Rate Stabilization Reserve | - | | 7,000,000 | - | - |
| Total Unrestricted Cash & Investments | $ (5,365,102) | | $ (2,362,941) | $ 569,644 | $ 1,278,308 |
| ***Restricted*** | | | | | |
| Bond Reserve & Debt Service | 1,446,546 | | 1,419,944 | 1,446,546 | 1,446,546 |
| Bond Construction Fund | 5,221,633 | | 1,392,970 | | |
| Total Restricted | $ 6,668,179 | | $ 2,812,914 | $ 1,446,546 | $ 1,446,546 |
| ***Total Cash & Investments*** | **$ 1,303,077** | | **$ 449,973** | **$ 2,016,190** | **$ 2,724,855** |

Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget -- **GAS DISTRIBUTION**



| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| **REVENUE** | | | | | |
| Therm Sales | 7,649,471 | 2,539,586 | 8,455,275 | 7,650,000 | 7,650,000 |
| Revenue per Therm | $ 0.5848 | $ 0.7165 | $ 0.6199 | $ 0.7113 | $ 0.7813 |
| Sales Revenue | $ 4,473,084 | $ 1,819,620 | $ 5,241,503 | $ 5,441,654 | $ 5,977,154 |
| Interest on Utility Reserves | 203,885 | 103,042 | 82,000 | 30,496 | 53,877 |
| Revenue on Recoverable Work | 19,787 | 14,762 | 20,000 | 20,000 | 20,000 |
| **TOTAL REVENUE** | $ 4,696,756 | $ 1,937,424 | $ 5,343,503 | $ 5,492,150 | $ 6,051,031 |
| **OPERATING EXPENSES** | | | | | |
| Supervision, Misc Direct Admin | 238,774 | 147,724 | 256,975 | 265,698 | 269,615 |
| Customer Service | 121,902 | 62,944 | 63,910 | 63,015 | 64,506 |
| Gas Distribution | 148,537 | 140,049 | 222,566 | 270,143 | 277,729 |
| Gas Meters | 141,146 | 75,016 | 132,003 | 133,686 | 136,990 |
| Gas Capital Project Inspection & Support | - | - | - | 6,074 | 6,295 |
| Interdepartmental Charges | 285,035 | 134,225 | 366,631 | 355,889 | 355,889 |
| Eng. Cust Svc. MR and Admin | 604,255 | 315,527 | 718,310 | 658,609 | 634,390 |
| In Lieu Taxes | 205,362 | 81,760 | 202,705 | 216,418 | 227,970 |
| Cost of Gas | 2,296,116 | 883,333 | 2,537,766 | 2,333,250 | 2,754,000 |
| **TOTAL OPERATING EXPENSES** | $4,041,128 | $ 1,840,578 | $ 4,500,867 | $ 4,302,782 | $ 4,727,383 |
| **OPERATING INCOME (LOSS)** | **$ 655,628** | **$ 96,846** | **$ 842,636** | **$ 1,189,368** | **$ 1,323,648** |
| **CAPITAL EXPENDITURES** | | | | | |
| Capital Expenditures | $ 1,252,637 | $ 18,423 | $ 700,000 | $ - | $ 35,000 |
| **OTHER FINANCING** | | | | | |
| Profit Transfer to General Fund | (226,475) | | (262,075) | (254,125) | (279,133) |
| Transfer to WW (FY18 budget revision) | | (2,500,000) | | | |
| **BUDGETED NET INCOME (LOSS)** | **$ (823,484)** | **$ (2,421,577)** | **$ (119,439)** | **$ 935,243** | **$ 1,009,515** |
| ***Cash & Investments*** | | | | | |
| Capital Replacement | 583,648 | | 1,050,000 | 796,295 | 985,266 |
| Operations Reserve | 994,334 | | 823,197 | 984,766 | 986,691 |
| Contingency Reserve | 50,000 | | 50,000 | 253,750 | 257,556 |
| Rate Stabilization Reserve | 4,049,400 | | 4,544,692 | | |
| Working Cash | 0 | | (73,643) | 1,958,374 | 2,773,187 |
| ***Total Cash & Investments*** | **$ 5,677,382** | | **$ 6,394,246** | **$ 3,993,186** | **$ 5,002,701** |

Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget -- **WATER DISTRIBUTION**

| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| **REVENUE** | | | | | |
| Sales in Thousand of Gallons | 755,656 | 430,900 | 775,000 | 775,000 | 775,000 |
| Revenue per thousand gallons | $ 5.7345 | $ 6.0663 | $ 6.3300 | $ 6.6588 | $ 6.9878 |
| Sales Revenue | $ 4,333,338 | $ 2,613,984 | $ 4,905,750 | $ 5,160,579 | $ 5,415,543 |
| Interest on Utility Reserves | 472 | 1,816 | 9,161 | - | - |
| Revenue on Recoverable Work | 22,389 | 5,824 | 30,450 | 15,000 | 15,000 |
| Misc Service Revenues | 26,404 | 5,171 | | 15,000 | 15,000 |
| **TOTAL REVENUE** | $ 4,382,603 | $ 2,626,795 | $ 4,945,361 | $ 5,190,579 | $ 5,445,543 |
| **OPERATING EXPENSES** | | | | | |
| Supervision, Misc Direct Admin | $ 185,613 | $ 112,278 | $ 184,778 | $ 227,392 | $ 230,673 |
| Hydrants | - | - | - | - | - |
| Water Distribution | 303,360 | 192,933 | 439,830 | 416,904 | 426,042 |
| Water Meters | 531,314 | 132,130 | 627,708 | 693,060 | 708,326 |
| Capital Project Inspections & Support | - | - | - | 6,074 | 6,295 |
| Interdepartmental Charges | 251,649 | 143,304 | 330,744 | 344,477 | 344,477 |
| Eng. Cust Svc. MR and Admin | 416,010 | 216,288 | 805,686 | 668,621 | 674,478 |
| Cost of Water | 2,767,536 | 1,482,380 | 2,650,500 | 2,829,409 | 2,985,026 |
| **TOTAL OPERATING EXPENSES** | $ 4,455,481 | $ 2,279,312 | $ 5,039,246 | $ 5,185,937 | $ 5,375,317 |
| **OPERATING INCOME (LOSS)** | **$ (72,878)** | **$ 347,483** | **$ (93,885)** | **$ 4,642** | **$ 70,226** |
| **CAPITAL EXPENDITURES** | | | | | |
| Capital Expenditures | $ 1,786,142 | $ 7,502 | $ - | $ - | $ - |
| **OTHER FINANCING** | | | | | |
| Sale of Scrap and Obsolete Inventory | 9,006 | 6,058 | | | |
| **BUDGETED NET INCOME (LOSS)** | **$ (1,850,014)** | **$ 346,039** | **$ (93,885)** | **$ 4,642** | **$ 70,226** |
| ***Cash & Investments*** | | | | | |
| Capital Replacement | $ - | | $ (554,077) | $ - | $ - |
| Operations Reserve | - | | 2,278,345 | - | - |
| Contingency Reserve | - | | 40,000 | - | - |
| Working Cash | (1,283,827) | | (1,333,491) | (1,373,071) | (1,302,845) |
| ***Total Cash & Investments*** | **$ (1,283,827)** | | **$ 430,776** | **(1,373,071)** | **$ (1,302,845)** |

Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget -- **WATER PRODUCTION**

| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| **REVENUE** | | | | | |
| Potable 1000-gallon production | 1,035,301 | 583,968 | 1,150,000 | 1,150,000 | 1,150,000 |
| Non-potable 1000-gallon production | 63,702 | 47,430 | 86,400 | 90,400 | 90,400 |
| Revenue per 1000 gallons | $ 3.4572 | $ 3.5079 | $ 3.6500 | $ 3.3840 | $ 3.3840 |
| | | | | | |
| Potable Sales Revenue | $ 3,579,231 | $ 2,048,522 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 |
| Repayment of InterUtility Loan | 187,569 | 93,784 | 187,569 | 187,569 | 187,569 |
| Interest on Utility Reserves | 332,598 | 186,555 | 109,233 | 79,426 | 71,251 |
| Bond Federal Subsidy | 25,673 | 13,788 | 27,576 | 27,576 | 27,576 |
| Non Potable Revenue | 47,043 | 47,412 | 216,000 | 175,663 | 175,663 |
| | | | | | |
| **TOTAL REVENUE** | $ 4,172,114 | $ 2,390,061 | $ 4,737,878 | $ 4,667,734 | $ 4,659,559 |
| | | | | | |
| **OPERATING EXPENSES** | | | | | |
| Supervision, Misc Direct Admin | $ 729,505 | $ 518,795 | $ 805,445 | $ 676,041 | $ 679,183 |
| Pumping Power | 560,399 | 251,608 | 800,000 | 810,500 | 821,157 |
| Wells | 155,664 | 125,645 | 135,631 | 129,025 | 132,200 |
| Booster Pump Stations | 79,395 | 41,584 | 123,587 | 128,025 | 130,800 |
| Treatment | 29,474 | 21,279 | 104,271 | 152,354 | 155,600 |
| Storage Tanks | 7,378 | 927 | 19,385 | 41,512 | 42,400 |
| Transmission Lines | 105,016 | 60,360 | 223,066 | 208,432 | 213,019 |
| Capital Project Inspection & Support | - | - | - | 13,671 | 14,100 |
| Non Potable System | 458,883 | 127,986 | 326,132 | 290,169 | 271,573 |
| Ski Hill | 14,935 | 876 | 66,885 | 67,253 | 68,625 |
| Interdepartmental Charges | 263,893 | 138,962 | 341,062 | 326,610 | 326,610 |
| Eng. Cust Svc. MR and Admin | 539,018 | 305,281 | 678,114 | 684,926 | 672,687 |
| State Water Tax | 35,173 | 18,621 | 45,000 | 45,000 | 45,000 |
| | | | | | |
| Debt Service | 232,053 | 116,284 | 235,735 | 238,433 | 258,373 |
| | | | | | |
| **TOTAL OPERATING EXPENSES** | $ 3,210,786 | $ 1,728,206 | $ 3,904,314 | $ 3,811,951 | $ 3,831,328 |
| | | | | | |
| **OPERATING INCOME (LOSS)** | **$ 961,329** | **$ 661,855** | **$ 833,564** | **$ 855,782** | **$ 828,232** |
| | | | | | |
| **CAPITAL EXPENDITURES** | | | | | |
| Capital Expenditures | $ 1,205,286 | $ 206,622 | $ 7,296,000 | $ 2,805,000 | $ 815,000 |
| | | | | | |
| **OTHER FINANCING** | | | | | |
| | | | | | |
| Grants/Loan Proceeds | $ 415,506 | $ 58,847 | $ 1,271,000 | | $ 468,000 |
| County/External Reimbursement | - | | 2,000,000 | | |
| Sale of scrap | | | | | |
| | | | | | |
| **BUDGETED NET INCOME (LOSS)** | **$ 171,549** | **$ 514,080** | **$ (3,191,436)** | **$ (1,949,218)** | **$ 481,232** |
| | | | | | |
| ***Cash & Investments*** | | | | | |
| Working Cash | $ 3,988,376 | | $ (3,964,741) | $ 1,047,249 | $ 1,539,813 |
| Operations Reserve | $ 1,842,562 | | $ 1,817,322 | $ 1,751,671 | $ 1,747,616 |
| Contingency Reserve | $ 750,000 | | $ 125,000 | $ 64,566 | $ 375,875 |
| Retirement/Reclamation Reserve | | | $ 200,000 | $ - | $ - |
| Capital Replacement | $4,000,000 | | $ 8,000,000 | 2,563,880 | 2,219,168 |
| Total Unrestricted Cash & Investments | $ 10,580,938 | | $ 6,177,582 | $ 5,427,366 | $ 5,882,472 |
| | | | | | |
| ***Restricted*** | | | | | |
| Bond Debt Service & Reserve Fund | $ 206,176 | | $ 192,838 | $ 219,094 | $ 245,220 |
| Total Restricted | $ 206,176 | | $ 192,838 | $ 219,094 | $ 245,220 |
| | | | | | |
| ***Total Cash & Investments*** | **$ 10,787,114** | | **$ 6,370,420** | **5,646,460** | **$ 6,127,692** |

Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget-- **WASTE WATER TREATMENT COLLECTION**

| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| **REVENUE** | | | | | |
| Thousand of Gallons Processed | 426,899 | 226,383 | 430,000 | 430,000 | 430,000 |
| Sales Revenue | $ 4,913,866 | $ 2,604,303 | $ 5,269,745 | $ 5,582,581 | $ 5,875,734 |
| Interest on Utility Reserves | 41,799 | 29,775 | 13,516 | 35,667 | 25,738 |
| Revenue on Recoverable Work | 410 | 166 | - | - | - |
| **TOTAL REVENUE** | $ 4,956,075 | $ 2,634,244 | $ 5,283,261 | $ 5,618,248 | $ 5,901,472 |
| **OPERATING EXPENSES** | | | | | |
| Supervision, Misc Direct Admin | $ 265,879 | $ 233,727 | $ 230,375 | $ 282,862 | $ 286,764 |
| Wastewater Collection | 289,332 | 275,913 | 367,602 | 341,104 | 349,902 |
| Lift Stations | 220,637 | 72,870 | 275,214 | 139,160 | 141,580 |
| Collection Capital Proj Inspection & Support | - | - | - | 4,074 | 4,195 |
| Wastewater Treatment | 1,206,636 | 672,725 | 1,318,100 | 1,866,805 | 1,721,473 |
| Interdepartmental Charges | 411,402 | 208,291 | 590,289 | 602,162 | 602,162 |
| Eng. Cust Svc. MR and Admin | 499,694 | 236,882 | 835,197 | 812,352 | 766,103 |
| Debt Service | 1,151,394 | 575,631 | 1,155,799 | 966,892 | 966,893 |
| **TOTAL OPERATING EXPENSES** | $ 4,044,975 | $ 2,276,039 | $ 4,772,576 | $ 5,015,412 | $ 4,839,073 |
| **OPERATING INCOME (LOSS)** | **$ 911,100** | **$ 358,205** | **$ 510,685** | **$ 602,835** | **$ 1,062,399** |
| **CAPITAL EXPENDITURES** | | | | | |
| Capital Expenditures | $ 662,162 | $ 1,049 | $ 50,000 | $ 1,000,000 | $ 13,520,000 |
| **OTHER FINANCING** | | | | | |
| Grant/Loan Proceeds | | | | | $ 14,000,000 |
| Transfer from Gas Dist (FY18 budget revision) | | 2,500,000 | | | |
| **BUDGETED NET INCOME (LOSS)** | **$ 248,938** | **$ 2,857,156** | **$ 460,685** | **$ (397,165)** | **$ 1,542,399** |
| ***Cash & Investments*** | | | | | |
| Capital Replacement | - | | $ (2,063,571) | $ 305,668 | $ - |
| Operations Reserve | | | $ 1,625,142 | $ 1,765,076 | $ - |
| Contingency Reserve | | | $ 75,000 | $ - | $ - |
| Working Cash | $ (611,144) | | $ (567,590) | $ (118,368) | $ 3,494,775 |
| Loan from Gas Division | | | $ 1,450,000 | | |
| Total Unrestricted Cash & Investments | $ (611,144) | | $ 518,980 | $ 1,952,376 | $ 3,494,775 |
| ***Restricted Loan Reserves*** | $ 1,682,644 | | $ 1,362,985 | $ 1,682,644 | $ 1,682,644 |
| ***Total Cash & Investments*** | **$ 1,071,500** | | **1,881,965** | **3,635,020** | **5,177,419** |

Los Alamos County Utilities Department
Fiscal Year 2019 and 2020 Budgets
Summary of Expenditure Budget - **ADMIN**



| | Actual FY2017 | Jul-Dec Actual FY2018 | Adopted Budget FY2018 | Proposed Budget FY2019 | Projected Budget FY2020 |
|---|---|---|---|---|---|
| Meter Reading | 354,787 | 196,453 | 352,536 | 339,248 | 343,900 |
| Customer Service | 552,714 | 279,269 | 840,167 | 755,756 | 613,108 |
| Engineering | 1,489,100 | 678,467 | 1,530,874 | 1,479,069 | 1,474,116 |
| Electric Production | 170,724 | 73,948 | 148,643 | 167,788 | 154,691 |
| All Except EP | 309,517 | 146,037 | 229,305 | 213,550 | 216,213 |
| All Divisions | 526,997 | 281,675 | 200,238 | 174,928 | 177,235 |
| Electric Distribution | 42,806 | 20,635 | 75,267 | 88,331 | 89,045 |
| Gas Distribution | 74,379 | 17,221 | 181,422 | 187,916 | 189,795 |
| Water Distribution | 38,290 | 14,601 | 270,909 | 206,810 | 208,641 |
| Wastewater Collection & Treatmer | 141,861 | 32,724 | 186,616 | 191,903 | 194,138 |
| Water Production | 184,526 | 91,626 | 238,473 | 247,843 | 244,358 |
| Administration | 458,407 | 230,706 | 752,285 | 684,819 | 688,367 |
| Electric Production | 25,496 | 18,216 | 84,121 | 60,709 | 61,014 |
| All Except EP | 10,162 | - | 10,000 | - | - |
| All Divisions | 420,403 | 212,490 | 508,164 | 474,110 | 477,354 |
| Electric Distribution | 2,346 | - | - | - | - |
| Water Production | - | - | 150,000 | 150,000 | 150,000 |
| Finance | 606,656 | 328,123 | 974,152 | 985,812 | 992,470 |
| Electric Production | 54,985 | 14,559 | 77,469 | 107,436 | 108,130 |
| All Except EP | 2,700 | - | 58,000 | 58,000 | 58,000 |
| All Divisions | 548,971 | 313,564 | 738,683 | 770,376 | 776,339 |
| Electric Distribution | - | - | 50,000 | - | - |
| Gas Distribution | - | - | - | - | - |
| Water Distribution | - | - | 50,000 | - | 50,000 |
| Wastewater Collection & Treatmer | - | - | - | - | - |
| Management Audit | - | - | - | 50,000 | - |
| Public Information | 206,589 | 107,612 | 259,668 | 269,512 | 246,106 |
| Electric Production | - | 563 | - | - | - |
| All Except EP | 179,361 | 82,922 | 173,157 | 201,803 | 179,347 |
| All Divisions | - | 4,093 | - | - | - |
| Electric Distribution | 499 | 4,132 | 51,850 | 26,184 | 18,484 |
| Gas Distribution | 13,075 | 13,488 | 17,906 | 15,200 | 30,300 |
| Water Distribution | 13,203 | 1,537 | 13,155 | 21,825 | 14,575 |
| Wastewater Collection & Treatmer | 450 | 502 | 1,800 | 2,800 | 1,700 |
| Water Production | - | 376 | 1,800 | 1,700 | 1,700 |
| **Total Administrative Division** | **3,668,253** | **1,820,630** | **4,709,682** | **4,514,216** | **4,358,067** |

***LOS ALAMOS DEPARTMENT OF PUBLIC UTILITIES***
***CASH & INVESTMENT BUDGET***

| | FY2017 ACTUAL | FY2019 PROPOSED BUDGET | FY2020 PROJECTED BUDGET |
|---|---|---|---|
| EP Cash & Investments - UNRESTRICTED | $ 4,991,153 | $ 5,357,972 | $ 5,130,572 |
| EP Cash & Investments - RESTRICTED | $ 12,834,606 | $ 12,412,990 | $ 12,640,390 |
| EP Cash & Investments - TOTAL | $ 17,825,759 | $ 17,770,961 | $ 17,770,962 |
| | | | |
| ED Cash & Investments - UNRESTRICTED | $ (5,365,102) | $ 569,644 | $ 1,278,308 |
| ED Cash & Investments - RESTRICTED | $ 6,668,179 | $ 1,446,546 | $ 1,446,546 |
| ED Cash & Investments - TOTAL | $ 1,303,077 | $ 2,016,190 | $ 2,724,854 |
| | | | |
| GAS Cash & Investments - UNRESTRICTED | $ 5,677,382 | $ 3,993,186 | $ 5,002,701 |
| GAS Cash & Investments - RESTRICTED | $ - | $ - | $ - |
| GAS Cash & Investments - TOTAL | $ 5,677,382 | $ 3,993,186 | $ 5,002,701 |
| | | | |
| DW Cash & Investments - UNRESTRICTED | $ (1,283,827) | $ (1,373,071) | $ (1,302,845) |
| DW Cash & Investments - RESTRICTED | $ - | $ - | $ - |
| DW Cash & Investments - TOTAL | $ (1,283,827) | $ (1,373,071) | $ (1,302,845) |
| | | | |
| WP Cash & Investments - UNRESTRICTED | $ 10,580,938 | $ 5,427,366 | $ 5,882,472 |
| WP Cash & Investments - RESTRICTED | $ 206,176 | $ 219,094 | $ 245,220 |
| WP Cash & Investments - TOTAL | $ 10,787,114 | $ 5,646,460 | $ 6,127,692 |
| | | | |
| WW Cash & Investments - UNRESTRICTED | $ (611,144) | $ 1,952,376 | $ 3,494,775 |
| WW Cash & Investments - RESTRICTED | $ 1,682,644 | $ 1,682,644 | $ 1,682,644 |
| WW Cash & Investments - TOTAL | $ 1,071,500 | $ 3,635,020 | $ 5,177,419 |
| | | | |
| DPU TOTAL Cash & Investments - UNRESTRICTED | 13,989,400 | 15,927,473 | 19,485,983 |
| DPU TOTAL Cash & Investments - RESTRICTED | 21,391,605 | 15,761,274 | 16,014,800 |
| DPU TOTAL Cash & Investments - TOTAL | 35,381,006 | 31,688,747 | 35,500,783 |

Los Alamos County Department of Public Utilities
Fiscal Years 2019-2028
10-Year Capital Plan

| FY19 (1 July 2018 - 30 June 2019) | | Budget |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **305,000** |
| Electric SCADA Server Consolidation | | 120,000 |
| Electric SCADA Operating System Back-up | | 50,000 |
| Back-up Power Operation Center HVAC Upgrades | | 60,000 |
| Abiquiu & El Vado Transformer Oil and Bushings | | 75,000 |
| **ELECTRIC DISTRIBUTION** | | **1,340,817** |
| 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 |
| County Labor and Benefits | | 340,817 |
| **GAS DISTRIBUTION** | | **0** |
| **WATER DISTRIBUTION** | | **0** |
| **WATER PRODUCTION** | | **2,805,000** |
| LA Reservoir Road Stabilization ($1,222,500 FEMA / $407,500 LAC Match) | | 1,630,000 |
| OW2 Construction - Well House & Equipment | | 800,000 |
| PW5 MCC Replacement - Construction | | 275,000 |
| Auto Valves 10 & 11 R&R | | 100,000 |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **1,000,000** |
| **SEWER COLLECTION** | **0** | |
| **WASTEWATER TREATMENT** | **1,000,000** | |
| WR WWTP Replacement Project - Design | | 1,000,000 |

Los Alamos County Department of Public Utilities
Fiscal Years 2019-2028
10-Year Capital Plan

| FY20 (1 July 2019 - 30 June 2020) | | Budget |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **135,000** |
| Update Energy & Water Conservation Plan | | 35,000 |
| Electric SCADA Upgrades (Modems,Switches & RTUS) | | 100,000 |
| **ELECTRIC DISTRIBUTION** | | **1,351,042** |
| 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 |
| Townsite Circuit 15, 3 PHASE | | |
| White Rock Circuit1, 3PHASE | | |
| County Labor and Benefits | | 351,042 |
| **GAS DISTRIBUTION** | | **35,000** |
| Update Energy & Water Conservation Plan | | 35,000 |
| **WATER DISTRIBUTION** | | **0** |
| **WATER PRODUCTION** | | **815,000** |
| Update Energy & Water Conservation Plan | | 35,000 |
| Design Project (G12 Tank, BS's, etc.) (NP - WTB) | | 530,000 |
| Minor Diamond Drive Connections (NP - WTB) | | 250,000 |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **13,520,000** |
| **SEWER COLLECTION** | **0** | |
| **WASTEWATER TREATMENT** | **13,520,000** | |
| WR WWTP Replacement Project - Construction | 13,000,000 | |
| WR WWTP Replacement Project - Construction Admin/Project Mgt | 520,000 | |

| **FY21 (1 July 2020 - 30 June 2021)** | | **Budget** |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| **ELECTRIC DISTRIBUTION** | | **1,050,000** |
| 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) | | 400,000 |
| Townsite Circuit 13, 3 PHASE | | |
| White Rock Circuit2, 3 PHASE | | |
| **GAS DISTRIBUTION** | | **50,000** |
| GWS/GA Facilities at WR WWTP | | 50,000 |
| **WATER DISTRIBUTION** | | **50,000** |
| GWS/DW Facilities at WR WWTP | | 50,000 |
| **WATER PRODUCTION** | | **750,000** |
| 2nd Group 12 Tank (NP - WTB) | | 750,000 |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **50,000** |
| **SEWER COLLECTION** | **50,000** | |
| GWS/WC Facilities at WR WWTP | 50,000 | |
| **WASTEWATER TREATMENT** | **0** | |

| FY22 (1 July 2021 - 30 June 2022) | | Budget |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| **ELECTRIC DISTRIBUTION** | | **1,200,000** |
| Los Alamos URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| White Rock URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| Overhead System Replacement (polex, xarms, transformers) | | 400,000 |
| Townsite Circuit 16, 3 PHASE | | |
| White Rock Circuit1, 1 PHASE | | |
| **GAS DISTRIBUTION** | | **281,000** |
| White Rock Key Steel Valve Project Phase 1 | | 281,000 |
| **WATER DISTRIBUTION** | | **1,075,000** |
| North Mesa Distribution Upgrades | | 400,000 |
| Barranca Tank 2 Repaint | | 675,000 |
| **WATER PRODUCTION** | | **0** |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **844,000** |
| **SEWER COLLECTION** | **844,000** | |
| Laguna Sewer Canyon Drop Replacement | 844,000 | |
| **WASTEWATER TREATMENT** | **0** | |

| FY23 (1 July 2022 - 30 June 2023) | | Budget |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| **ELECTRIC DISTRIBUTION** | | **1,200,000** |
| Los Alamos URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| White Rock URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| Overhead System Replacement (polex, xarms, transformers) | | 400,000 |
| Townsite Ski Hill Circuit, 3 PHASE | | |
| White Rock Circuit2, 1 PHASE | | |
| **GAS DISTRIBUTION** | | **290,000** |
| White Rock Key Steel Valve Project Phase 2 | | 290,000 |
| **WATER DISTRIBUTION** | | **870,000** |
| Aspen School Area Pipeline Phase 1 | | 870,000 |
| **WATER PRODUCTION** | | **825,000** |
| Guaje Pines, North Mesa, Diamond Connections (NP - WTB) | | 825,000 |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **4,528,000** |
| **SEWER COLLECTION** | **348,000** | |
| Aspen School Area Sewerline R&R - Phase 1 | 174,000 | |
| Loma Vista Sewer Lift Station Rehabilitation | 174,000 | |
| **WASTEWATER TREATMENT** | **4,180,000** | |
| LA WWTP 13-Year Upgrade - Construction | 3,500,000 | |
| LA WWTP 13-Year Upgrade - Construction Admin/Project Mgt | 100,000 | |
| LA WWTP Non-Potable Pressure Line | 580,000 | |

| FY24 (1 July 2023 - 30 June 2024) | | Budget |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| **ELECTRIC DISTRIBUTION** | | **1,200,000** |
| Los Alamos URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| White Rock URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| Overhead System Replacement (polex, xarms, transformers) | | 400,000 |
| Townsite Circuit 15, 1 PHASE | | |
| White Rock Circuit 1, Wire 3 PHASE | | |
| **GAS DISTRIBUTION** | | **299,000** |
| White Rock Key Steel Valve Project Phase 2 | | 299,000 |
| **WATER DISTRIBUTION** | | **896,000** |
| Aspen School Area Pipeline Phase 2 | | 896,000 |
| **WATER PRODUCTION** | | **2,494,000** |
| Townsite 14" Pipeline R&R - Phase 1 | | 1,194,000 |
| Bayo BS & Tank Upgrades (NP - WTB) | | 1,300,000 |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **537,000** |
| **SEWER COLLECTION** | **537,000** | |
| Aspen School Area Sewerline R&R - Phase 2 | 179,000 | |
| Paseo Penasco Sewer Lift Station Rehabilitation | 179,000 | |
| Arkansas Area Backyard Sewer Mains & Services R&R | 179,000 | |
| **WASTEWATER TREATMENT** | **0** | |

| **FY25 (1 July 2024 - 30 June 2025)** | | **Budget** |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| | | |
| **ELECTRIC DISTRIBUTION** | | **1,200,000** |
| Los Alamos URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| White Rock URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| Overhead System Replacement (polex, xarms, transformers) | | 400,000 |
| Townsite Circuit 13, 1 PHASE | | |
| White Rock Circuit2, Wire 3 PHASE | | |
| **GAS DISTRIBUTION** | | **307,000** |
| Pipeline Repair & Replacement / Equipment | | 307,000 |
| **WATER DISTRIBUTION** | | **922,000** |
| Aspen School Area Pipeline Phase 3 | | 922,000 |
| **WATER PRODUCTION** | | **2,152,000** |
| Townsite 14" Pipeline R&R - Phase 2 | | 1,230,000 |
| Rover & Pinon Park NP Pipeline Connections (NP - WTB) | | 922,000 |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **678,000** |
| **SEWER COLLECTION** | **678,000** | |
| Aspen School Area Sewerline R&R - Phase 3 | 185,000 | |
| El Gancho Sewer Lift Station Rehabilitation | 185,000 | |
| North Community Backyard Sewer Mains & Services R&R - Phase 2 | 308,000 | |
| **WASTEWATER TREATMENT** | **0** | |

| **FY26 (1 July 2025 - 30 June 2026)** | | **Budget** |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| | | |
| **ELECTRIC DISTRIBUTION** | | **1,200,000** |
| Los Alamos URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| White Rock URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| Overhead System Replacement (polex, xarms, transformers) | | 400,000 |
| Townsite Circuit 16, 1 PHASE | | |
| White Rock Circuit1, Wire 1 PHASE | | |
| | | |
| **GAS DISTRIBUTION** | | **317,000** |
| Pipeline Repair & Replacement / Equipment | | 317,000 |
| | | |
| **WATER DISTRIBUTION** | | **823,000** |
| Fairway 47th to West Area Pipeline | | 633,000 |
| PRV Replacements - 2 Each | | 190,000 |
| | | |
| **WATER PRODUCTION** | | **1,900,000** |
| Townsite 14" Pipeline R&R - Phase 3 | | 1,267,000 |
| Barranca Mesa NP Pipeline Connections (NP - WTB) | | 633,000 |
| | | |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **988,000** |
| | | |
| **SEWER COLLECTION** | **671,000** | |
| Old Pueblo Sewer Canyon Drop Replacement | 380,000 | |
| 41st/45th/46th/47th Sewerline R&R {PW-WA 7} | 101,000 | |
| Ridge Park Sewer Lift Station Rehabilitation | 190,000 | |
| | | |
| **WASTEWATER TREATMENT** | **317,000** | |
| Equipment / Vehicle | 317,000 | |

| FY27 (1 July 2026 - 30 June 2027) | | Budget |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| | | |
| **ELECTRIC DISTRIBUTION** | | **1,200,000** |
| Los Alamos URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| White Rock URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| Overhead System Replacement (polex, xarms, transformers) | | 400,000 |
| Townsite Circuit 16, 1 PHASE | | |
| White Rock Circuit1, Wire 1 PHASE | | |
| **GAS DISTRIBUTION** | | **326,000** |
| Pipeline Repair & Replacement / Equipment | | 326,000 |
| **WATER DISTRIBUTION** | | **1,174,000** |
| Denver Steel Area East Portion Pipeline | | 1,174,000 |
| **WATER PRODUCTION** | | **2,512,000** |
| West Pajarito Road Pipeline R&R - Phase 1 | | 1,305,000 |
| Bayo BS Winter Storage Facility (NP - WTB) | | 1,207,000 |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **854,000** |
| **SEWER COLLECTION** | **854,000** | |
| Denver Steel Area East Portion Sewerline R&R {PW-WA 5} | 104,000 | |
| Airport Canyon Sewer Canyon Drop Replacement | 750,000 | |
| **WASTEWATER TREATMENT** | **0** | |

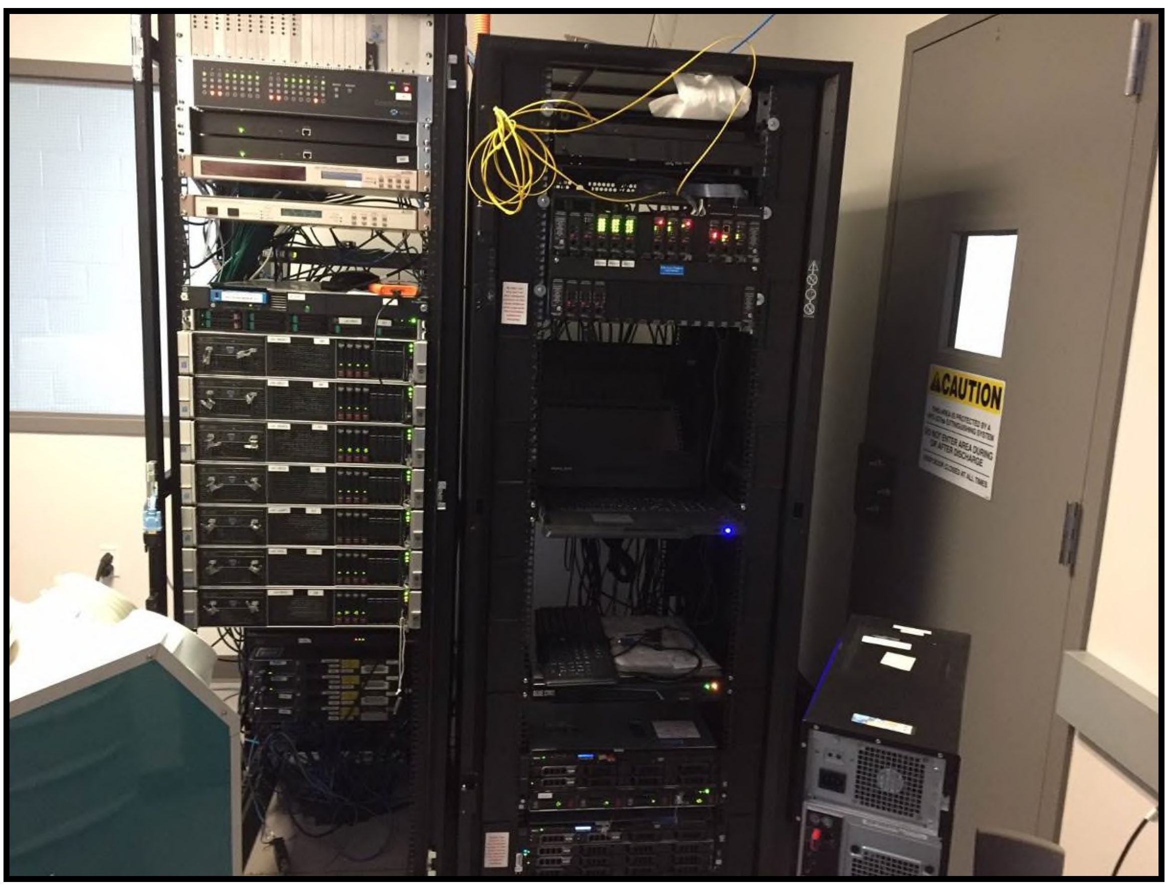
| FY28 (1 July 2027 - 30 June 2028) | | Budget |
|---|---|---|
| **ELECTRIC PRODUCTION** | | **0** |
| | | |
| **ELECTRIC DISTRIBUTION** | | **1,200,000** |
| Los Alamos URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| White Rock URD Replacement (cables, jboxes, pedestals) | | 400,000 |
| Overhead System Replacement (polex, xarms, transformers) | | 400,000 |
| Townsite Circuit 16, 1 PHASE | | |
| White Rock Circuit1, Wire 1 PHASE | | |
| | | |
| **GAS DISTRIBUTION** | | **250,000** |
| Pipeline Repair & Replacement / Equipment | | 250,000 |
| | | |
| **WATER DISTRIBUTION** | | **1,041,000** |
| Denver Steel Area West Portion Pipeline | | 739,000 |
| PRV Replacement - 3 Each | | 302,000 |
| | | |
| **WATER PRODUCTION** | | **1,680,000** |
| West Pajarito Road Pipeline R&R - Phase 2 | | 1,344,000 |
| SCADA Upgrades (NP - WTB) | | 336,000 |
| | | |
| **WASTEWATER TREATMENT AND SEWER COLLECTION TOTAL** | | **512,000** |
| | | |
| **SEWER COLLECTION** | **512,000** | |
| Denver Steel Area West Portion Sewerline R&R | 108,000 | |
| Ponderosa Sewer Lift Station Rehabilitation | 202,000 | |
| Potrillo Sewer Lift Station Rehabilitation | 202,000 | |
| | | |
| **WASTEWATER TREATMENT** | **0** | |

# ELECTRIC PRODUCTION
# FY19 & FY20: Electric SCADA

Project Scope: A number of components on the electric SCADA system are at the end of their useful life and replacement parts are becoming difficult to acquire. Over the next two years a number of upgrades to the systems are planned to maintain a reliable operation.

| | | |
|---|---|---|
| Budget: | FY19 Operating System Back-up | $ 50,000 |
| | FY19 Server Consolidation | $120,000 |
| | FY20 Modems, Switches & RTUs | $100,000 |

Schedule: Spring 2019 through spring 2020

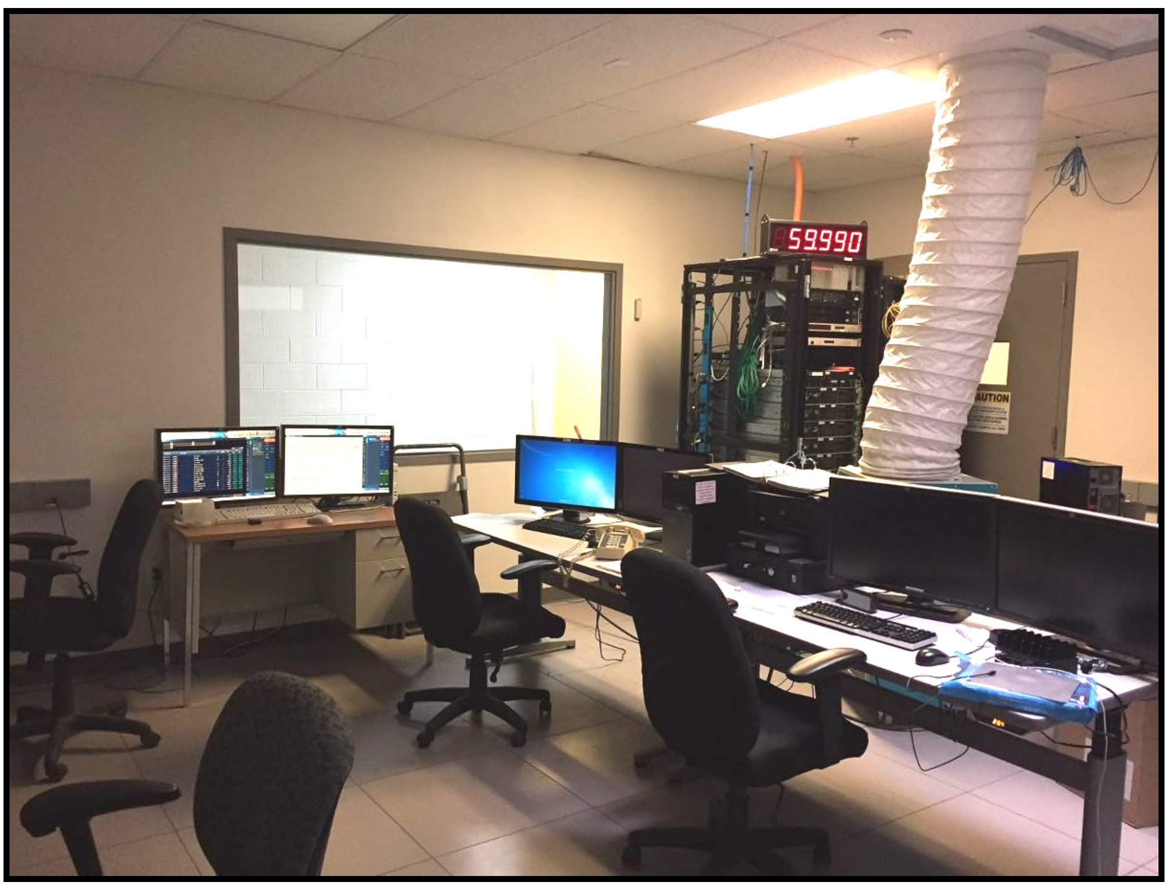


# ELECTRIC PRODUCTION
## FY19: Back-up Operations Center HVAC

Project Scope: Recent cyber security regulations require the water and electric SCADA master stations to be in separate rooms. The electric SCADA system has been relocated into a room which is not capable of cooling the room with the large amount of heat generated by the SCADA servers and electronics. An independent HVAC system will be installed in the electric SCADA server room.

Budget: $ 60,000

Schedule: Summer 2018



# ELECTRIC PRODUCTION
## FY19: Abiquiu and El Vado Transformer Oil & Bushings

Project Scope: Bushings on the main transformer in El Vado and Abiquiu show evidence of oil leakage around the bushing level gauge. The condition of the bushings will be further investigated. The transformer insulation in El Vado is in question due to test results of the transformer insulating oil. Replacement of bushings and the insulating oil and filter will prolong reliable operation of the transformer.

Budget: $ 75,000

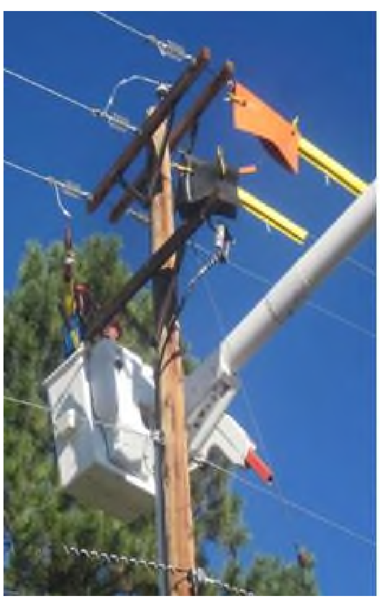
Schedule: Winter 2018

# ELECTRIC DISTRIBUTION
# FY19: Overhead System Replacement

Project Scope: Many components of the utilities' overhead infrastructure operate near or past their useful plant life; greater than 50 years. The department's Asset Management Program (AMP) prioritizes O&M projects on (a) root cause analysis after power outages, (b) quarterly line patrols, and (c) year-end assessments. The O&M program includes: replacement of power poles, cross-arms, and revamps (wire & transformer upgrades). 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

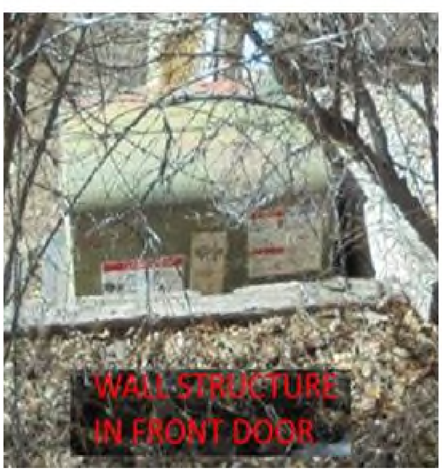
## FY19: URD (UG residential distribution) Replacements

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 | $300,000. |
| 2. | White Rock area after three failure replacements | $300,000. |

Budget: $ 600,000
Schedule: Year round design and construction



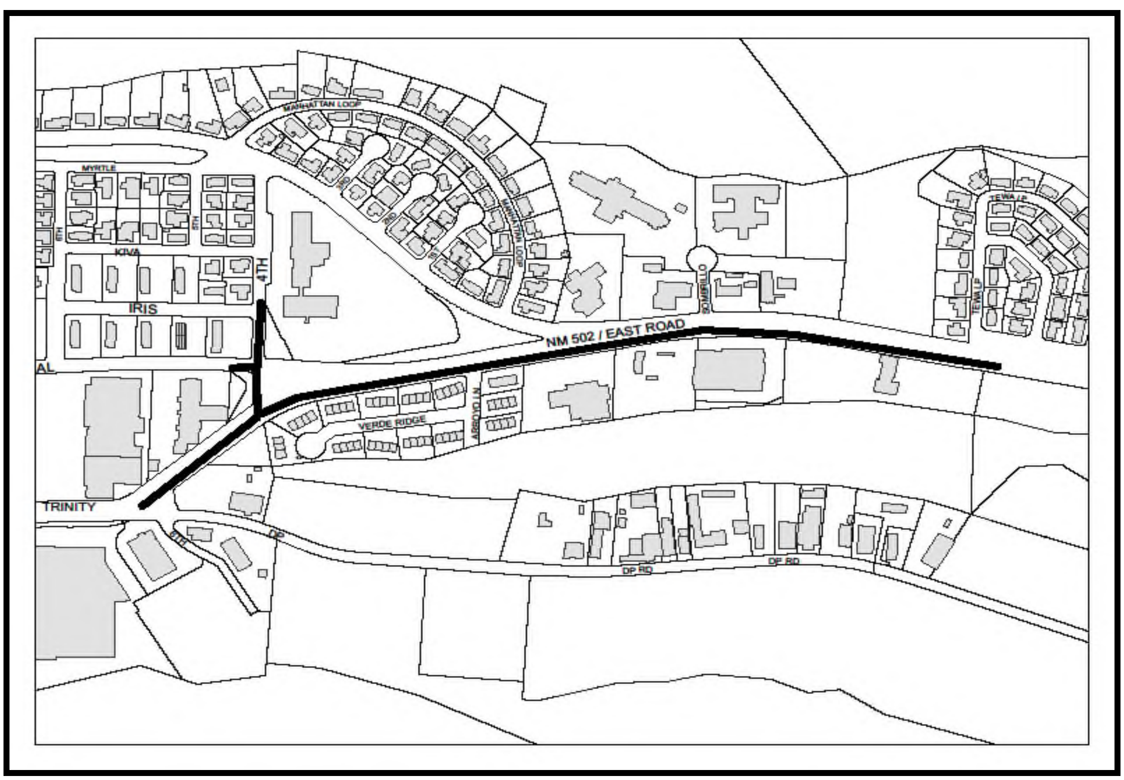


# NMDOT NM 502 RECONSTRUCTION
## FY19 & FY20: Gas, Water, Sewer, Fiber Optic and Electric

Project Scope: The road and utility reconstruction project, administered by the New Mexico Department of Transportation, was scheduled to begin in 2017. The project was bid three times in 2017. The first two bid attempts resulted in only one bid received and the road component of the project was much higher than expected. As a result of the high bids the project was not awarded. In the third attempt no bids were received. The project is scheduled to be bid in October of 2018. The Department of Public Utilities funded the project in FY 2017 and the funds remain dedicated to the project.

| Budget: | | |
|---|---|---|
| | Gas Distribution | $ 417,012.08 |
| | Water Production | $ 450,291.15 |
| | Water Distribution | $ 914,826.23 |
| | Wastewater | $ 101,830.12 |
| | Electric Distribution | $ 552,784.66 |
| | Fiber Optic | $ 160,435.68 |
| | **Total** | **$2,597,179.92** |

Schedule: Construct 2019



# WATER PRODUCTION
# FY19: Los Alamos Reservoir Road Stabilization

Project Scope: FEMA awarded Los Alamos County a grant for the stabilization of the Los Alamos Reservoir road and to clear debris from the channel and route the channel to its original path. Phase I of the grant for design and environmental documents is ongoing. This budget item is for Phase II of the project for construction of the improvements. The FEMA grant will cover 75% of the cost while the remaining 25% will be the responsibility of Los Alamos County.

| | | |
|---|---|---|
| Budget: | FEMA | $ 1,222,500 |
| | DPU | $ 203,750 |
| | General Fund | $ 203,750 |
| | **Total Construction** | **$ 1,630,000** |

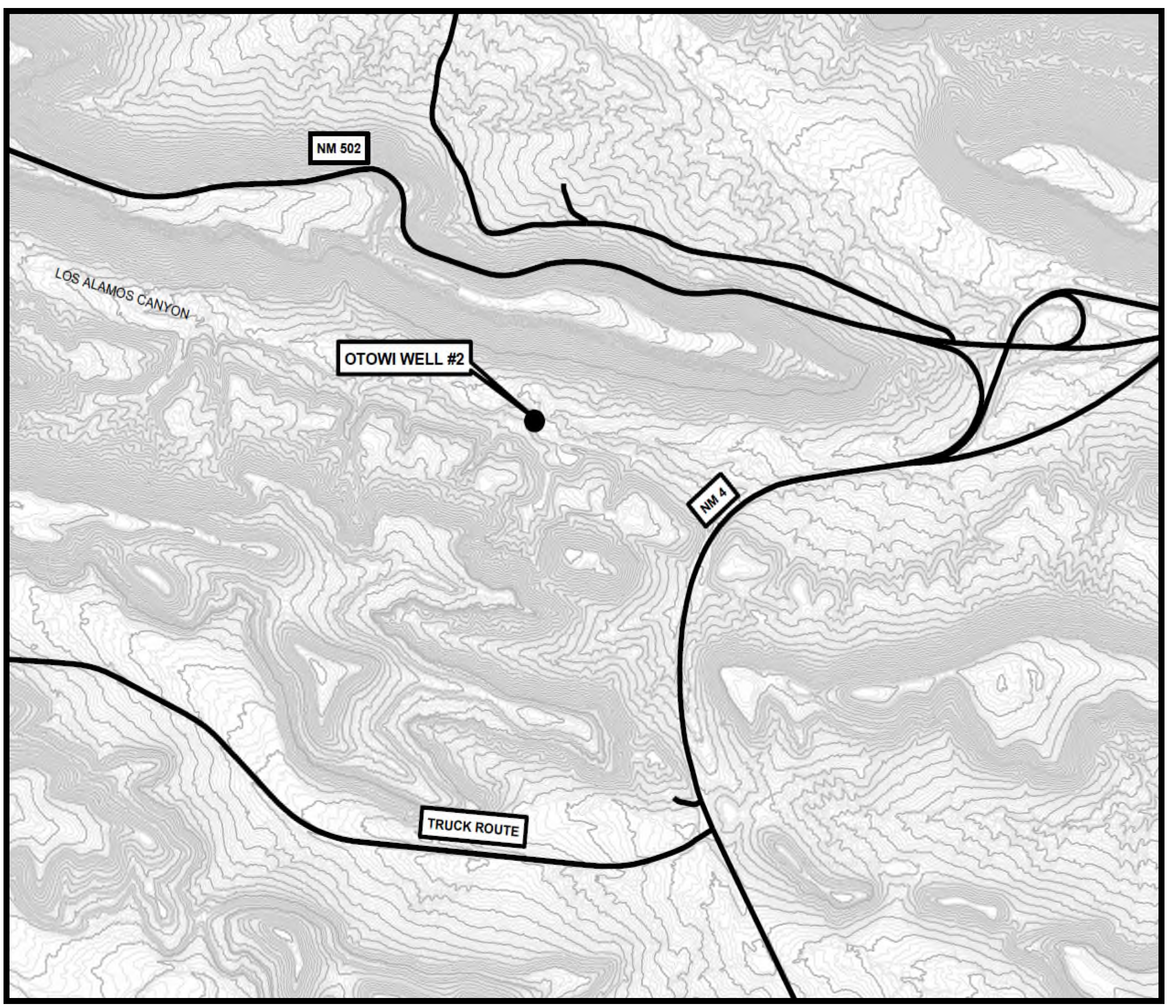
Schedule: Design and environmental documents are currently in progress. Construction is scheduled for spring 2019.

# WATER PRODUCTION
# FY19: Otowi Well No. 2 Well House and Equipment

Project Scope: The project will be executed in two phases. The first phase of the project for the design, drilling and development of the well is ongoing and scheduled for completion in the summer of 2018. This budget item is for the second phase of the project for design and construction of the well house, electric gear and equipping the well with pumps. The well is scheduled to be online by spring of 2019.

Budget: $800,000

Schedule: Well to be drilled and developed by summer 2018. Equipping the well is scheduled to be complete by the spring of 2019.



# WATER PRODUCTION
# FY19: 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: Construction is scheduled for winter 2018/2019.

# WATER PRODUCTION

## FY19: Automatic Well Replacement: Valves 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: $100,000

Schedule: Spring 2019.

# WASTEWATER TREATMENT
# FY19 & 20: New Wastewater Treatment Plant in White Rock Design & Construction

Project Scope: Perform the engineering design required to completely replace the existing 50-year old trickling filter plant, with a modern facility that will produce high quality irrigation water for public spaces. The design will follow the selection and recommendations made under the Preliminary Engineering Report approved by the County in summer 2016.

| | | |
|---|---|---|
| Budget: | Design | $ 1,000,000 |
| | Construction | $ 13,000,000 |
| | Construction Admin./Inspection | $ 520,000 |

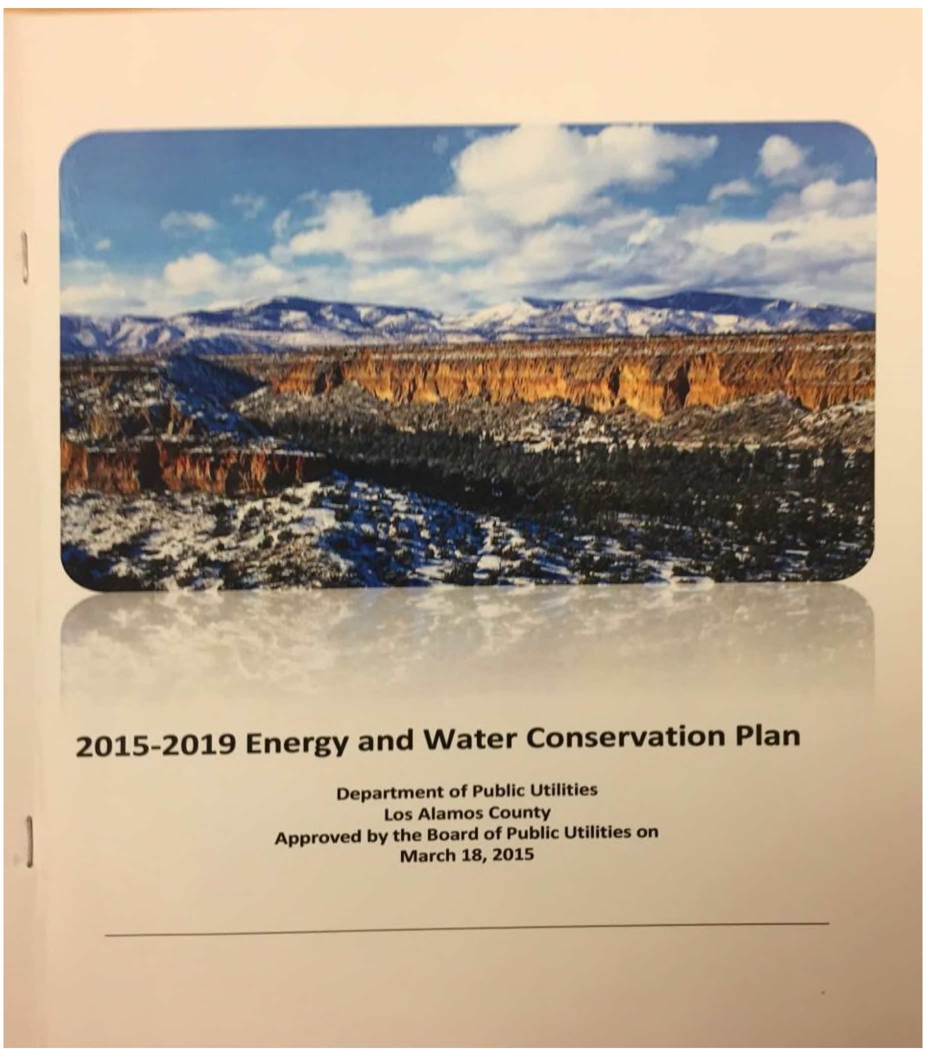
Schedule: Retain engineering services fall 2018. Bid for Construction summer 2019

# FY20: UPDATE WATER AND ENERGY CONSERVATION PLAN

Project Scope: Complete a five-year update of the Department of Public Utilities energy and water conservation plan. A conservation plan is required by the multiple regulatory agencies.

| | | |
|---|---|---|
| Budget: | Gas Distribution | $ 35,000 |
| | Water Production | $ 35,000 |
| | Electric Production | $ 35,000 |
| | **Total** | **$ 105,000** |

Schedule: Spring 2020

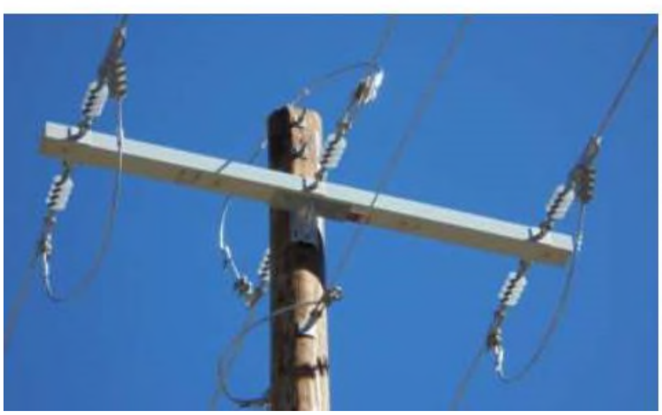


# ELECTRIC DISTRIBUTION
# FY20: Overhead System Replacement

Project Scope: Many components of the utilities' overhead infrastructure operate near or past their useful plant life; greater than 50 years. The department's Asset Management Program (AMP) prioritizes O&M projects on (a) root cause analysis after power outages, (b) quarterly line patrols, and (c) year-end assessments. The O&M program includes: replacement of power poles, cross-arms, and revamps (wire & transformer upgrades). Priority is placed on the three phase backbone and areas affecting the highest number of consumers.

3. White Rock service area $200,000.
4. Los Alamos service area $200,000.

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



# ELECTRIC DISTRIBUTION

## FY20: 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.

3. Los Alamos town site area after three failure replacements $300,000.
4. White Rock area after three failure replacements $300,000.

Budget: $ 600,000
Schedule: Year round design and construction

# WATER PRODUCTION
# FY20: Design of New Tank & Booster Stations & Diamond Drive Service Connections

Project Scope: These two projects are for expansion of the non-potable water system. Application for funding to the Water Trust Board will be made in 2019 for funding. The projects will not go forward if grant funding is not secured. One project is to design the replacement/refurbishment of existing booster stations in Bayo Canyon and at Overlook Park and design of a second tank adjacent to the existing Group 12 tank. The second project is for construction of non-potable water service connections along the Diamond Drive corridor.

| | | |
|---|---|---|
| Budget: | Design Tank and boosters | $530,000 |
| | Diamond Service Connections | $250,000 |

Schedule: Spring 2020

**Los Alamos County Utilities Department**
**10-Year Financial Forecast - FY2019-FY2028**
**Electric Production**

| 1.50% | FORECAST 2019 | FORECAST 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Expenditure Forecast** | | | | | | | | | | |
| Total Cash Outflow | 38,754,542 | 37,773,881 | 41,621,311 | 41,520,050 | 41,488,097 | 42,230,255 | 44,878,979 | 50,613,307 | 52,921,981 | 52,228,059 |
| 1.01% | | | | | | | | | | |
| **Revenue Forecast** | | | | | | | | | | |
| Mwh Sales - LANL | 510,377 | 519,916 | 583,553 | 603,387 | 614,684 | 626,491 | 650,045 | 769,065 | 794,157 | 794,157 |
| Mwh Sales - LAC Distribution | 121,969 | 123,371 | 124,788 | 126,219 | 127,664 | 129,123 | 130,597 | 132,086 | 133,590 | 135,108 |
| Total Mwh Sales | 632,346 | 643,288 | 708,341 | 729,606 | 742,347 | 755,614 | 780,642 | 901,151 | 927,747 | 929,265 |
| **Revenue per Mwh** | **$56.66** | **$53.67** | **$53.91** | **$51.97** | **$50.79** | **$50.56** | **$52.25** | **$51.51** | **$52.32** | **$51.24** |
| | | | | | | | | | | |
| DOE Revenues | 28,446,452 | 27,560,161 | 31,266,164 | 31,183,097 | 31,110,920 | 31,578,030 | 33,872,341 | 39,529,405 | 41,466,077 | 40,616,561 |
| Economy Sales | 3,150,033 | 3,143,147 | 3,271,954 | 3,441,796 | 3,623,876 | 3,869,152 | 3,935,095 | 4,044,614 | 4,236,771 | 4,467,232 |
| Interest on Reserves | 96,191 | 88,855 | 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 | 33,984 | 30,867 | 27,669 | 24,080 | 19,561 | 19,561 |
| Transfer from Distribution Fund | 7,381,676 | 6,963,589 | 6,919,210 | 6,731,174 | 6,589,318 | 6,622,207 | 6,913,874 | 6,885,208 | 7,069,573 | 6,994,705 |
| Total Cash Inflow | 39,108,336 | 37,789,736 | 41,621,311 | 41,520,050 | 41,488,097 | 42,230,255 | 44,878,979 | 50,613,307 | 52,921,981 | 52,228,059 |
| | | | | | | | | | | |
| **Net Cash Flow** | 353,794 | 15,855 | - | - | - | - | - | - | - | - |
| Cumulative Net Cash Flow | 353,794 | 369,649 | 369,649 | 369,649 | 369,649 | 369,649 | 369,649 | 369,649 | 369,649 | 369,649 |
| | | | | | | | | | | |
| Cash Balance | 17,532,849 | 17,548,704 | 17,548,704 | 17,548,704 | 17,548,704 | 17,548,704 | 17,548,704 | 17,548,704 | 17,548,704 | 17,548,704 |
| Recommended Cash Balance | 17,692,423 | 17,781,289 | 17,959,101 | 18,138,692 | 18,320,079 | 18,503,280 | 18,688,313 | 18,875,196 | 19,063,948 | 19,254,587 |
| | | | | | | | | | | |
| **Reserves** | | | | | | | | | | |
| Retirement/Reclamation Reserve | 10,204,395 | 10,293,261 | 10,421,375 | 10,426,053 | 9,808,674 | 9,239,130 | 8,708,141 | 8,130,692 | 8,149,336 | 8,320,837 |
| Identified items on site | 304,500 | 309,068 | 313,704 | 318,409 | 323,185 | 328,033 | 332,953 | 337,948 | 343,017 | 348,162 |
| San Juan Decommissioning | 4,898,220 | 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 |
| Laramie River Decommissioning | 760,980 | 799,980 | 838,980 | 877,980 | 916,980 | 955,980 | 994,980 | 1,033,980 | 1,072,980 | 1,111,980 |
| San Juan Mine Reclamation | 4,240,695 | 4,097,593 | 3,993,671 | 3,766,244 | 2,916,689 | 2,114,897 | 1,351,588 | 541,744 | 327,919 | 266,875 |

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2019-FY2028
Electric Distribution

| 1.50% | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Expenditure Forecast** | | | | | | | | | | |
| Supervision, Misc Direct Admin | 660,479 | 668,774 | 678,805 | 688,987 | 699,322 | 709,812 | 720,459 | 731,266 | 742,235 | 753,369 |
| Substation Maintenance | 36,237 | 36,772 | 37,324 | 37,884 | 38,452 | 39,029 | 39,614 | 40,208 | 40,811 | 41,424 |
| Switching Station Maintenance | 31,520 | 31,898 | 32,376 | 32,862 | 33,355 | 33,855 | 34,363 | 34,879 | 35,402 | 35,933 |
| Overhead Maintenance | 499,014 | 504,751 | 512,322 | 520,007 | 527,807 | 535,724 | 543,760 | 551,916 | 560,195 | 568,598 |
| Underground Maintenance | 391,173 | 396,118 | 402,059 | 408,090 | 414,212 | 420,425 | 426,731 | 433,132 | 439,629 | 446,223 |
| Meter Maintenance | 82,331 | 83,481 | 84,734 | 86,005 | 87,295 | 88,604 | 89,933 | 91,282 | 92,651 | 94,041 |
| | | | | | | | | | | |
| Interdepartmental Charges | 649,857 | 649,857 | 659,605 | 669,499 | 679,542 | 689,735 | 700,081 | 710,582 | 721,241 | 732,059 |
| Administrative Division Allocation | 798,595 | 739,092 | 750,179 | 761,431 | 772,853 | 784,446 | 796,212 | 808,156 | 820,278 | 832,582 |
| In Lieu Taxes | 529,609 | 526,476 | 419,207 | 422,250 | 425,322 | 428,425 | 431,560 | 434,725 | 437,922 | 441,152 |
| Debt Service | 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 | 1,178,311 |
| | | | | | | | | | | |
| Profit Transfer | 610,735 | 610,735 | 654,046 | 660,587 | 667,192 | 673,864 | 680,603 | 687,409 | 694,283 | 701,226 |
| Cost of Power | 7,381,676 | 6,963,589 | 6,919,210 | 6,731,174 | 6,589,318 | 6,622,207 | 6,913,874 | 6,885,208 | 7,069,573 | 6,994,705 |
| | | | | | | | | | | |
| Total Operations Expenses | 12,943,184 | 12,464,981 | 12,403,311 | 12,152,684 | 11,917,046 | 12,010,902 | 12,393,006 | 12,587,074 | 12,832,531 | 12,819,623 |
| Capital | 1,340,817 | 1,351,042 | 1,071,105 | 1,236,361 | 1,248,725 | 1,261,212 | 1,273,824 | 1,286,562 | 1,299,428 | 1,312,422 |
| Total Cash Outflow | 14,284,001 | 13,816,023 | 13,474,416 | 13,389,045 | 13,165,771 | 13,272,115 | 13,666,830 | 13,873,637 | 14,131,960 | 14,132,045 |
| | | | | | | | | | | |
| **Revenue Forecast** | | | | | | | | | | |
| KWh Sales | 121,939,000 | 123,371,000 | 124,604,710 | 125,850,757 | 127,109,265 | 128,380,357 | 129,664,161 | 130,960,802 | 132,270,411 | 133,593,115 |
| Revenue per KWh | $0.1221 | $0.1221 | $0.1221 | $0.1221 | $0.1221 | $0.1221 | $0.1221 | $0.1221 | $0.1221 | $0.1221 |
| **Rate Increase Percentage** | | | | | | | | | | |
| Total Sales Revenue | 14,203,145 | 14,203,145 | 15,210,373 | 15,362,477 | 15,516,102 | 15,671,263 | 15,827,975 | 15,986,255 | 16,146,118 | 16,307,579 |
| Bond Federal Subsidy | 67,942 | 67,942 | 67,942 | 67,942 | 67,942 | 66,045 | 64,099 | 58,759 | 47,731 | 47,731 |
| Interest on Utility Reserves | - | - | - | 32,014 | 90,189 | 159,240 | 231,191 | 298,942 | 367,040 | 434,103 |
| Pole Rentals | 53,601 | 53,601 | 53,601 | 53,601 | 53,601 | 53,601 | 53,601 | 53,601 | 53,601 | 53,601 |
| Misc. Service Revenues | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Revenue on Recoverable Work | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 |
| Total Cash Inflow | 14,524,688 | 14,524,688 | 15,531,916 | 15,716,034 | 15,927,833 | 16,150,149 | 16,376,867 | 16,597,557 | 16,814,489 | 17,043,014 |
| | | | | | | | | | | |
| **R&R and Cash Flows** | | | | | | | | | | |
| **Net Cash Flow** | 240,687 | 708,665 | 2,057,500 | 2,326,988 | 2,762,062 | 2,878,034 | 2,710,036 | 2,723,920 | 2,682,530 | 2,910,969 |
| Cumulative Net Cash Flow | 240,687 | 949,352 | 3,006,852 | 5,333,840 | 8,095,902 | 10,973,937 | 13,683,973 | 16,407,893 | 19,090,423 | 22,001,392 |
| | | | | | | | | | | |
| Cash Balance | (1,485,608) | (776,943) | 1,280,557 | 3,607,545 | 6,369,608 | 9,247,642 | 11,957,678 | 14,681,599 | 17,364,128 | 20,275,097 |
| Recommended Cash Balance | 11,923,271 | 11,857,412 | 11,345,762 | 11,267,416 | 11,182,306 | 11,510,400 | 11,547,303 | 11,929,203 | 11,889,893 | 11,450,627 |

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2019 through FY2028
Electric Fund Cash Reserve Analysis

| | FORECAST 2019 | FORECAST 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **ELECTRIC DIST & PROD CASH RESERVES** | | | | | | | | | | |
| Combined Cash Balance ED & EP | 16,047,241 | 16,771,761 | 18,829,261 | 21,156,249 | 23,918,311 | 26,796,346 | 29,506,382 | 32,230,302 | 34,912,832 | 37,823,801 |
| Recommended Cash Balance (ED) | 11,923,271 | 11,857,412 | 11,345,762 | 11,267,416 | 11,182,306 | 11,510,400 | 11,547,303 | 11,929,203 | 11,889,893 | 11,450,627 |
| Recommended Cash Balance (EP) | 17,692,423 | 17,781,289 | 17,959,101 | 18,138,692 | 18,320,079 | 18,503,280 | 18,688,313 | 18,875,196 | 19,063,948 | 19,254,587 |
| **Recommended Cash Balance** | **29,615,694** | **29,638,701** | **29,304,864** | **29,406,108** | **29,502,385** | **30,013,680** | **30,235,616** | **30,804,399** | **30,953,841** | **30,705,214** |
| TARGET RESERVE BALANCES | | | | | | | | | | |
| Debt Service Reserve | 4,046,374 | 4,030,211 | 4,016,054 | 2,058,835 | 1,430,597 | 1,429,568 | 1,449,954 | 1,602,373 | 1,596,699 | 1,594,293 |
| Retirement/Reclamation Reserve | 10,204,395 | 10,293,261 | 10,421,375 | 10,426,053 | 9,808,674 | 9,239,130 | 8,708,141 | 8,130,692 | 8,149,336 | 8,320,837 |
| Identified items on site | 304,500 | 309,068 | 313,704 | 318,409 | 323,185 | 328,033 | 332,953 | 337,948 | 343,017 | 348,162 |
| San Juan Decommissioning | 4,898,220 | 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 |
| Laramie River Decommissioning | 760,980 | 799,980 | 838,980 | 877,980 | 916,980 | 955,980 | 994,980 | 1,033,980 | 1,072,980 | 1,111,980 |
| San Juan Mine Reclamation | 4,240,695 | 4,097,593 | 3,993,671 | 3,766,244 | 2,916,689 | 2,114,897 | 1,351,588 | 541,744 | 327,919 | 266,875 |
| Operations Reserve | 6,553,019 | 6,429,648 | 6,935,068 | 7,085,741 | 7,235,773 | 7,398,878 | 7,626,600 | 7,739,278 | 7,854,776 | 1,972,690 |
| Capital Expenditures Reserve | 1,486,042 | 1,050,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 2,000,000 |
| Contingency Reserve | 507,500 | 515,113 | 522,839 | 530,682 | 538,642 | 546,722 | 554,922 | 563,246 | 571,695 | 580,270 |
| Rate Stabilization Reserve | 6,963,589 | 6,919,210 | 6,731,174 | 6,589,318 | 6,622,207 | 6,913,874 | 6,885,208 | 7,069,573 | 7,175,616 | 7,283,251 |
| | 29,760,919 | 29,237,442 | 29,826,509 | 27,890,629 | 26,835,893 | 26,728,172 | 26,424,826 | 26,305,162 | 26,548,122 | 21,751,342 |
| RESERVE BALANCE FORECAST | | | | | | | | | | |
| Debt Service Reserve | 4,046,374 | 4,030,211 | 4,016,054 | 2,058,835 | 1,430,597 | 1,429,568 | 1,449,954 | 1,602,373 | 1,596,699 | 1,594,293 |
| Retirement/Reclamation Reserve | 10,204,395 | 10,293,261 | 10,421,375 | 10,426,053 | 9,808,674 | 9,239,130 | 8,708,141 | 8,130,692 | 8,149,336 | 8,320,837 |
| Operations Reserve | 1,796,472 | 2,448,289 | 4,391,832 | 7,085,741 | 7,235,773 | 7,398,878 | 7,626,600 | 7,739,278 | 7,854,776 | 1,972,690 |
| Capital Expenditures Reserve | - | - | - | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 2,000,000 |
| Contingency Reserve | - | - | - | 385,619 | 538,642 | 546,722 | 554,922 | 563,246 | 571,695 | 580,270 |
| Rate Stabilization Reserve | - | - | - | - | 3,704,625 | 6,913,874 | 6,885,208 | 7,069,573 | 7,175,616 | 7,283,251 |
| **Total Cash Remaining** | **-** | **-** | **-** | **-** | **-** | **68,173** | **3,081,556** | **5,925,141** | **8,364,710** | **16,072,459** |

**Los Alamos County Utilities Department**
**10-Year Financial Forecast - FY2019-FY2028**
**Gas Distribution**

| 1.50% | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Expenditure Forecast** | | | | | | | | | | |
| Supervision, Misc Direct Admin | 265,698 | 269,615 | 273,659 | 277,764 | 281,931 | 286,160 | 290,452 | 294,809 | 299,231 | 303,719 |
| Customer Service | 63,015 | 64,506 | 65,474 | 66,456 | 67,453 | 68,464 | 69,491 | 70,534 | 71,592 | 72,666 |
| Gas Distribution | 270,143 | 277,729 | 281,895 | 286,123 | 290,415 | 294,771 | 299,193 | 303,681 | 308,236 | 312,860 |
| Gas Meters | 133,686 | 136,990 | 139,044 | 141,130 | 143,247 | 145,396 | 147,577 | 149,790 | 152,037 | 154,318 |
| Capital Support & Inspection | 6,074 | 6,295 | 6,389 | 6,485 | 6,582 | 6,681 | 6,781 | 6,883 | 6,986 | 7,091 |
| Interdepartmental Charges | 355,889 | 355,889 | 361,227 | 366,645 | 372,145 | 377,727 | 383,393 | 389,144 | 394,981 | 400,906 |
| Administrative Division Allocation | 658,609 | 634,390 | 643,906 | 653,564 | 663,368 | 673,318 | 683,418 | 693,669 | 704,074 | 714,635 |
| In Lieu Taxes | 216,418 | 227,970 | 227,970 | 227,970 | 227,970 | 227,970 | 227,970 | 227,970 | 227,970 | 227,970 |
| Profit Transfer | 254,125 | 279,133 | 262,692 | 264,836 | 275,553 | 283,413 | 286,985 | 290,915 | 290,915 | 292,344 |
| Cost of Gas | 2,333,250 | 2,754,000 | 2,960,550 | 3,006,450 | 3,235,950 | 3,404,250 | 3,480,750 | 3,564,900 | 3,564,900 | 3,595,500 |
| TOTAL Operations Expenses | 4,556,908 | 5,006,516 | 5,222,806 | 5,297,424 | 5,564,614 | 5,768,151 | 5,876,011 | 5,992,295 | 6,020,923 | 6,082,009 |
| Capital | - | 35,000 | 51,005 | 289,515 | 301,775 | 314,252 | 325,887 | 339,867 | 353,011 | 273,421 |
| **TOTAL Cash Outflow** | **4,556,908** | **5,041,516** | **5,273,811** | **5,586,938** | **5,866,389** | **6,082,403** | **6,201,898** | **6,332,162** | **6,373,934** | **6,355,430** |
| *Total outflow less COG* | *2,223,658* | *2,287,516* | *2,313,261* | *2,580,488* | *2,630,439* | *2,678,153* | *2,721,148* | *2,767,262* | *2,809,034* | *2,759,930* |
| **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 | $ 0.230 | $ 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 | 2,333,250 | 2,754,000 | 2,960,550 | 3,006,450 | 3,235,950 | 3,404,250 | 3,480,750 | 3,564,900 | 3,564,900 | 3,595,500 |
| Sales Rev from Fixed/Svc Chg | 3,108,404 | 3,223,154 | 2,664,546 | 2,664,546 | 2,664,546 | 2,664,546 | 2,664,546 | 2,664,546 | 2,664,546 | 2,664,546 |
| Total Sales Revenue | 5,441,654 | 5,977,154 | 5,625,096 | 5,670,996 | 5,900,496 | 6,068,796 | 6,145,296 | 6,229,446 | 6,229,446 | 6,260,046 |
| Interest on Utility Reserves | 30,496 | 53,877 | 47,469 | 53,755 | 56,131 | 57,798 | 58,780 | 59,136 | 58,810 | 57,858 |
| Revenue on Recoverable Work | 20,000 | 20,000 | 20,300 | 20,605 | 20,914 | 21,227 | 21,546 | 21,869 | 22,197 | 22,530 |
| TOTAL Cash Inflow | 5,492,150 | 6,051,031 | 5,692,865 | 5,745,355 | 5,977,541 | 6,147,822 | 6,225,621 | 6,310,450 | 6,310,453 | 6,340,434 |
| **R&R and Cash Flows** | | | | | | | | | | |
| **Net Cash Flow** | 935,243 | 1,009,515 | 419,054 | 158,417 | 111,152 | 65,419 | 23,724 | (21,712) | (63,481) | (14,997) |
| Cummulative net cash flow | 935,243 | 1,944,758 | 2,363,812 | 2,522,229 | 2,633,380 | 2,698,800 | 2,722,524 | 2,700,812 | 2,637,330 | 2,622,334 |
| Cash Balance | 2,155,090 | 3,164,605 | 3,583,659 | 3,742,076 | 3,853,228 | 3,918,647 | 3,942,371 | 3,920,659 | 3,857,178 | 3,842,181 |
| Recommended Cash Balance | 1,273,516 | 1,294,248 | 1,542,202 | 1,568,410 | 1,594,876 | 1,620,605 | 1,648,599 | 1,675,863 | 1,618,401 | 1,637,218 |

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2019 through FY2028
Gas Cash Reserve Analysis

| | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **GAS UTILITY CASH RESERVES** | | | | | | | | | | |
| Cash Balance | 2,155,090 | 3,164,605 | 3,583,659 | 3,742,076 | 3,853,228 | 3,918,647 | 3,942,371 | 3,920,659 | 3,857,178 | 3,842,181 |
| **Recommended Cash Balance** | **1,273,516** | **1,294,248** | **1,542,202** | **1,568,410** | **1,594,876** | **1,620,605** | **1,648,599** | **1,675,863** | **1,618,401** | **1,637,218** |
| TARGET RESERVE BALANCES | | | | | | | | | | |
| Operations Reserve | 984,766 | 986,691 | 999,782 | 1,013,069 | 1,026,555 | 1,040,244 | 1,054,138 | 1,068,240 | 1,082,554 | 1,097,082 |
| Capital Expenditures Reserve | 35,000 | 50,000 | 281,000 | 290,000 | 299,000 | 307,000 | 317,000 | 326,000 | 250,000 | 250,000 |
| Contingency Reserve | 253,750 | 257,556 | 261,420 | 265,341 | 269,321 | 273,361 | 277,461 | 281,623 | 285,847 | 290,135 |
| Rate Stabilization Reserve* | - | - | - | - | - | - | - | - | - | - |
| | 1,273,516 | 1,294,248 | 1,542,202 | 1,568,410 | 1,594,876 | 1,620,605 | 1,648,599 | 1,675,863 | 1,618,401 | 1,637,218 |
| RESERVE BALANCE FORECAST | | | | | | | | | | |
| Operations Reserve | 984,766 | 986,691 | 999,782 | 1,013,069 | 1,026,555 | 1,040,244 | 1,054,138 | 1,068,240 | 1,082,554 | 1,097,082 |
| Capital Expenditures Reserve | 35,000 | 50,000 | 281,000 | 290,000 | 299,000 | 307,000 | 317,000 | 326,000 | 250,000 | 250,000 |
| Contingency Reserve | 253,750 | 257,556 | 261,420 | 265,341 | 269,321 | 273,361 | 277,461 | 281,623 | 285,847 | 290,135 |
| Rate Stabilization Reserve* | - | - | - | - | - | - | - | - | - | - |
| **Total Cash Remaining** | **881,573** | **1,870,357** | **2,041,457** | **2,173,666** | **2,258,351** | **2,298,042** | **2,293,772** | **2,244,796** | **2,238,776** | **2,204,963** |

** Assumes pass-through cost of gas rate remains in place.*

**Los Alamos County Utilities Department**
**10-Year Financial Forecast - FY2019-FY2028**
**Water Distribution**

| 1.50% | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Expenditure Forecast** | | | | | | | | | | |
| Supervision, Misc Direct Admin | 227,392 | 230,673 | 234,133 | 237,645 | 241,210 | 244,828 | 248,501 | 252,228 | 256,012 | 259,852 |
| Hydrants | - | - | - | - | - | - | - | - | - | - |
| Water Distribution | 416,904 | 426,042 | 432,433 | 438,919 | 445,503 | 452,186 | 458,969 | 465,853 | 472,841 | 479,933 |
| Water Meters | 693,060 | 708,326 | 408,326 | 414,450 | 420,667 | 426,977 | 433,382 | 439,883 | 446,481 | 453,178 |
| Capital Project Inspections & Support | 6,074 | 6,295 | 6,389 | 6,485 | 6,582 | 6,681 | 6,781 | 6,883 | 6,986 | 7,091 |
| Interdepartmental Charges | 344,477 | 344,477 | 349,645 | 354,889 | 360,213 | 365,616 | 371,100 | 376,667 | 382,317 | 388,051 |
| Administrative Division Allocation | 668,621 | 674,478 | 684,595 | 694,864 | 705,287 | 715,866 | 726,604 | 737,503 | 748,566 | 759,794 |
| Cost of Water | 2,829,409 | 2,985,026 | 2,828,750 | 2,828,750 | 2,828,750 | 2,828,750 | 2,828,750 | 2,828,750 | 2,828,750 | 2,828,750 |
| Capital | - | - | 51,005 | 1,075,000 | 870,000 | 896,000 | 922,000 | 823,000 | 1,174,000 | 1,041,000 |
| Total Operation Expenses | 5,185,937 | 5,375,317 | 4,944,271 | 4,976,003 | 5,008,212 | 5,040,904 | 5,074,086 | 5,107,767 | 5,141,952 | 5,176,650 |
| Total Capital Expenditures | 0 | 0 | 51,005 | 1,075,000 | 870,000 | 896,000 | 922,000 | 823,000 | 1,174,000 | 1,041,000 |
| Total Expenditures | 5,185,937 | 5,375,317 | 4,995,276 | 6,051,003 | 5,878,212 | 5,936,904 | 5,996,086 | 5,930,767 | 6,315,952 | 6,217,650 |
| **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 | $ 6.66 | $ 6.99 | $ 7.28 | $ 7.54 | $ 7.73 | $ 7.88 | $ 8.02 | $ 8.14 | $ 8.26 | $ 8.39 |
| **Rate Increase Percentage** | **6.25%** | **5.00%** | **4.25%** | **3.50%** | **2.50%** | **2.00%** | **1.75%** | **1.50%** | **1.50%** | **1.50%** |
| Total Sales Revenue | 5,160,579 | 5,415,543 | 5,645,704 | 5,843,303 | 5,989,386 | 6,109,173 | 6,216,084 | 6,309,325 | 6,403,965 | 6,500,025 |
| Interest on Utility Reserves | - | - | - | - | - | - | - | - | - | - |
| Revenue on Recoverable Work | 15,000 | 15,000 | 15,225 | 15,453 | 15,685 | 15,920 | 16,159 | 16,402 | 16,648 | 16,897 |
| Misc Service Revenues | 15,000 | 15,000 | 15,225 | 15,453 | 15,685 | 15,920 | 16,159 | 16,402 | 16,648 | 16,897 |
| Total Cash Inflow from Operations | 5,190,579 | 5,445,543 | 5,676,154 | 5,874,210 | 6,020,756 | 6,141,014 | 6,248,403 | 6,342,129 | 6,437,261 | 6,533,819 |
| **R&R and Cash Flows** | | | | | | | | | | |
| **Net Cash Flow** | 4,642 | 70,226 | 680,878 | (176,793) | 142,544 | 204,110 | 252,316 | 411,362 | 121,309 | 316,170 |
| Cumulative Net Cash Flow | 4,642 | 74,868 | 755,745 | 578,952 | 721,496 | 925,606 | 1,177,922 | 1,589,284 | 1,710,593 | 2,026,763 |
| Cash Balance | (2,849,065) | (2,778,839) | (2,097,961) | (2,274,754) | (2,132,211) | (1,928,100) | (1,675,784) | (1,264,422) | (1,143,114) | (826,944) |
| Recommended Cash Balance | 1,225,227 | 2,266,998 | 1,924,566 | 1,966,384 | 2,008,440 | 1,925,737 | 2,293,278 | 2,177,067 | 1,953,108 | 1,170,404 |

| **Rates** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Commodity rate per kgal** | | | | | | | | | | |
| Residential Tier 1 - < 9,000 gals | 5.29 | 5.55 | 5.79 | 5.99 | 6.14 | 6.26 | 6.37 | 6.47 | 6.57 | 6.67 |
| Residential Tier 2 - 9 to 15,000 gals | 5.62 | 5.90 | 6.15 | 6.37 | 6.53 | 6.66 | 6.78 | 6.88 | 6.98 | 7.08 |
| Residential Tier 3 - > 15,000 gals | 6.71 | 7.05 | 7.35 | 7.61 | 7.80 | 7.96 | 8.10 | 8.22 | 8.34 | 8.47 |
| Multi-Family Tier 1 - < 9,000 gals | 5.29 | 5.55 | 5.79 | 5.99 | 6.14 | 6.26 | 6.37 | 6.47 | 6.57 | 6.67 |
| Multi-Family Tier 2 - 9 to 15,000 gals | 5.55 | 5.83 | 6.08 | 6.29 | 6.45 | 6.58 | 6.70 | 6.80 | 6.90 | 7.00 |
| Multi-Family Tier 3 - > 15,000 gals | 5.68 | 5.96 | 6.21 | 6.43 | 6.59 | 6.72 | 6.84 | 6.94 | 7.04 | 7.15 |
| Commercial All Tiers | 5.29 | 5.55 | 5.79 | 5.99 | 6.14 | 6.26 | 6.37 | 6.47 | 6.57 | 6.67 |
| County & Schools All Tiers | 5.29 | 5.55 | 5.79 | 5.99 | 6.14 | 6.26 | 6.37 | 6.47 | 6.57 | 6.67 |
| | | | | | | | | | | |
| **Customer Charge per Meter Size** | | | | | | | | | | |
| = or < 1.25" | 10.01 | 10.51 | 10.96 | 11.34 | 11.62 | 11.85 | 12.06 | 12.24 | 12.42 | 12.61 |
| 1.5" | 31.71 | 33.30 | 34.72 | 35.94 | 36.84 | 37.58 | 38.24 | 38.81 | 39.39 | 39.98 |
| 2" | 47.33 | 49.70 | 51.81 | 53.62 | 54.96 | 56.06 | 57.04 | 57.90 | 58.77 | 59.65 |
| 2.5" to 3" | 93.41 | 98.08 | 102.25 | 105.83 | 108.48 | 110.65 | 112.59 | 114.28 | 115.99 | 117.73 |
| 4" | 159.04 | 166.99 | 174.09 | 180.18 | 184.68 | 188.37 | 191.67 | 194.55 | 197.47 | 200.43 |
| 6" | 335.76 | 352.55 | 367.53 | 380.39 | 389.90 | 397.70 | 404.66 | 410.73 | 416.89 | 423.14 |
| 8" | 554.76 | 582.50 | 607.26 | 628.51 | 644.22 | 657.10 | 668.60 | 678.63 | 688.81 | 699.14 |

**Los Alamos County Utilities Department**
**10-Year Financial Forecast - FY2019-FY2028**
**Water Production**

| 1.50% | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Expenditure Forecast** | | | | | | | | | | |
| Supervision and Operations | 676,041 | 679,183 | 689,371 | 699,712 | 710,207 | 720,861 | 731,673 | 742,649 | 753,788 | 765,095 |
| Pumping Power | 810,500 | 821,157 | 833,474 | 845,976 | 858,666 | 871,546 | 884,619 | 897,889 | 911,357 | 925,027 |
| Wells | 129,025 | 132,200 | 134,183 | 136,196 | 138,239 | 140,312 | 142,417 | 144,553 | 146,721 | 148,922 |
| Booster Pump Stations | 128,025 | 130,800 | 132,762 | 134,753 | 136,775 | 138,826 | 140,909 | 143,022 | 145,168 | 147,345 |
| Treatment | 152,354 | 155,600 | 157,934 | 160,303 | 162,707 | 165,148 | 167,625 | 170,140 | 172,692 | 175,282 |
| Storage Tanks | 41,512 | 42,400 | 43,036 | 43,681 | 44,337 | 45,002 | 45,677 | 46,362 | 47,057 | 47,763 |
| Transmission Lines | 208,432 | 213,019 | 216,214 | 219,457 | 222,749 | 226,090 | 229,482 | 232,924 | 236,418 | 239,964 |
| Capital Project Inspection & Support | 13,671 | 14,100 | 14,311 | 14,526 | 14,744 | 14,965 | 15,190 | 15,418 | 15,649 | 15,884 |
| Non Potable System | 290,169 | 271,573 | 275,646 | 279,781 | 283,978 | 288,237 | 292,561 | 296,949 | 301,404 | 305,925 |
| Ski Hill | 67,253 | 68,625 | 69,654 | 70,699 | 71,760 | 72,836 | 73,929 | 75,038 | 76,163 | 77,306 |
| Interdepartmental Charges | 326,610 | 326,610 | 331,510 | 336,482 | 341,530 | 346,652 | 351,852 | 357,130 | 362,487 | 367,924 |
| Administrative Division Allocation | 684,926 | 672,687 | 682,778 | 693,019 | 703,415 | 713,966 | 724,675 | 735,545 | 746,579 | 757,777 |
| State Water Tax | 45,000 | 45,000 | 45,675 | 46,360 | 47,056 | 47,761 | 48,478 | 49,205 | 49,943 | 50,692 |
| Debt Service | 238,433 | 258,373 | 306,914 | 356,139 | 645,312 | 691,916 | 624,327 | 500,759 | 547,161 | 586,686 |
| | | | | | | | | | | |
| Capital | 1,378,750 | 35,000 | - | - | - | 1,194,000 | 1,230,000 | 1,267,000 | 1,305,000 | 1,344,000 |
| Capital Paid with Debt/Grants/Reimb | 1,426,250 | 780,000 | 750,000 | - | 825,000 | 1,300,000 | 922,000 | 633,000 | 1,207,000 | 336,000 |
| Capital Paid with Cash | | | | | | | | | | |
| | | | | | | | | | | |
| Total Operations Expenses | 3,811,951 | 3,831,328 | 3,933,462 | 4,037,086 | 4,381,473 | 4,484,120 | 4,473,414 | 4,407,581 | 4,512,586 | 4,611,592 |
| Total Capital Expenditures | 2,805,000 | 815,000 | 750,000 | 0 | 825,000 | 2,494,000 | 2,152,000 | 1,900,000 | 2,512,000 | 1,680,000 |
| Less Capital Paid by WTB/Other | (1,426,250) | (780,000) | (750,000) | - | (825,000) | (1,300,000) | (922,000) | (633,000) | (1,207,000) | (336,000) |
| Total Cash Outflow | 5,190,701 | 3,866,328 | 3,933,462 | 4,037,086 | 4,381,473 | 5,678,120 | 5,703,414 | 5,674,581 | 5,817,586 | 5,955,592 |
| | | | | | | | | | | |
| **Revenue Forecast** | | | | | | | | | | |
| **Non-potable** | | | | | | | | | | |
| Non-potable production in kgals | 90,400 | 90,400 | 94,500 | 94,500 | 108,600 | 136,500 | 136,500 | 136,500 | 136,500 | 136,500 |
| Revenue per kgal | $ 1.70 | $ 1.70 | $ 1.70 | $ 1.70 | $ 1.70 | $ 1.70 | $ 1.70 | $ 1.70 | $ 1.70 | $ 1.70 |
| Non-potable rate per 1000 gallons | $ 2.50 | $ 2.50 | $ 2.50 | $ 2.50 | $ 2.50 | $ 2.50 | $ 2.50 | $ 2.50 | $ 2.50 | $ 2.50 |
| **Rate Increase Percentage** | | | | | | | | | | |
| Non-potable sales revenue | $ 153,680 | $ 153,680 | $ 160,650 | $ 160,650 | $ 184,620 | $ 232,050 | $ 232,050 | $ 232,050 | $ 232,050 | $ 232,050 |

**Los Alamos County Utilities Department**
**10-Year Financial Forecast - FY2019-FY2028**
**Water Production**



| 1.50% | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Potable** | | | | | | | | | | |
| Production in thousand gallons | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 |
| Revenue per thousand gallons | $ 3.65 | $ 3.65 | $ 3.65 | $ 3.65 | $ 3.65 | $ 3.65 | $ 3.65 | $ 3.65 | $ 3.65 | $ 3.65 |
| **Rate Increase Percentage** | | | | | | | | | | |
| Potable sales revenue | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 | $ 4,197,500 |
| | | | | | | | | | | |
| **Total Sales Revenue** | **$ 4,351,180** | **$ 4,351,180** | **$ 4,358,150** | **$ 4,358,150** | **$ 4,382,120** | **$ 4,429,550** | **$ 4,429,550** | **$ 4,429,550** | **$ 4,429,550** | **$ 4,429,550** |
| | | | | | | | | | | |
| Repayment & Interest on Inter-Utility Loans | 187,569 | 187,569 | 187,569 | 187,569 | 187,569 | 187,569 | 93,784 | - | - | - |
| Interest on Utility Reserves | 79,426 | 71,251 | 89,840 | 112,035 | 121,759 | 139,197 | 145,190 | 143,721 | 136,853 | 136,318 |
| Bond Federal Subsidy | 27,576 | 27,576 | 27,576 | 27,576 | 27,576 | 21,338 | 14,940 | 10,459 | 8,496 | 8,496 |
| Econ Dev Fund/Ski Hill Reimb | - | 468,000 | | | | | | | | |
| Federal or State Grant/Loan | - | - | 750,000 | - | 825,000 | 1,300,000 | 922,000 | 633,000 | 1,207,000 | 336,000 |
| | | | | | | | | | | |
| Total Cash Inflow | 4,645,751 | 5,105,576 | 5,413,135 | 4,685,330 | 5,544,024 | 6,077,654 | 5,605,464 | 5,216,729 | 5,781,899 | 4,910,363 |
| | | | | | | | | | | |
| **R&R and Cash Flows** | | | | | | | | | | |
| **Net Cash Flow** | (544,951) | 1,239,249 | 1,479,673 | 648,244 | 1,162,551 | 399,534 | (97,950) | (457,852) | (35,687) | (1,045,229) |
| Cumulative Net Cash Flow | (544,951) | 694,298 | 2,173,971 | 2,822,215 | 3,984,766 | 4,384,300 | 4,286,350 | 3,828,498 | 3,792,811 | 2,747,582 |
| | | | | | | | | | | |
| Cash Balance | 4,750,086 | 5,989,335 | 7,469,008 | 8,117,252 | 9,279,803 | 9,679,337 | 9,581,387 | 9,123,535 | 9,087,848 | 8,042,619 |
| Recommended Cash Balance | 2,745,980 | 2,776,157 | 2,862,464 | 4,144,023 | 4,508,103 | 4,631,200 | 4,641,695 | 4,597,812 | 4,341,510 | 3,422,950 |

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2019 through FY2028
Water Fund Cash Reserve Analysis

| | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **WATER DIST & PROD CASH RESERVES** | | | | | | | | | | |
| Combined Cash Balance DW & WP | 1,901,021 | 3,210,496 | 5,371,047 | 5,842,497 | 7,147,592 | 7,751,237 | 7,905,603 | 7,859,113 | 7,944,734 | 7,215,675 |
| Recommended Cash Balance (DW) | 1,225,227 | 2,266,998 | 1,924,566 | 1,966,384 | 2,008,440 | 1,925,737 | 2,293,278 | 2,177,067 | 1,953,108 | 1,170,404 |
| Recommended Cash Balance (WP) | 2,745,980 | 2,776,157 | 2,862,464 | 4,144,023 | 4,508,103 | 4,631,200 | 4,641,695 | 4,597,812 | 4,341,510 | 3,422,950 |
| **Recommended Cash Balance** | **3,971,207** | **5,043,155** | **4,787,029** | **6,110,407** | **6,516,543** | **6,556,936** | **6,934,973** | **6,774,879** | **6,294,618** | **4,593,355** |
| TARGET RESERVE BALANCES | | | | | | | | | | |
| Debt Service Reserve | 238,433 | 258,373 | 306,914 | 356,139 | 645,312 | 691,916 | 624,327 | 500,759 | 547,161 | 586,686 |
| Operations Reserve | 2,965,023 | 2,981,623 | 2,871,035 | 2,914,100 | 2,957,812 | 3,002,179 | 3,047,211 | 3,092,920 | 3,139,313 | 3,186,403 |
| Capital Expenditures Reserve | 35,000 | 50,000 | 1,075,000 | 870,000 | 2,090,000 | 2,152,000 | 2,090,000 | 2,479,000 | 2,385,000 | 1,800,000 |
| Contingency Reserve | 761,250 | 772,669 | 784,259 | 796,023 | 807,963 | 820,082 | 832,384 | 844,869 | 857,542 | 870,406 |
| | 3,999,706 | 4,062,665 | 5,037,207 | 4,936,262 | 6,501,086 | 6,666,178 | 6,593,923 | 6,917,548 | 6,929,017 | 6,443,495 |
| RESERVE BALANCE FORECAST | | | | | | | | | | |
| Debt Service Reserve | 238,433 | 258,373 | 306,914 | 356,139 | 645,312 | 691,916 | 624,327 | 500,759 | 547,161 | 586,686 |
| Operations Reserve | 1,662,588 | 2,952,122 | 2,871,035 | 2,914,100 | 2,957,812 | 3,002,179 | 3,047,211 | 3,092,920 | 3,139,313 | 3,186,403 |
| Capital Expenditures Reserve | - | - | 1,075,000 | 870,000 | 2,090,000 | 2,152,000 | 2,090,000 | 2,479,000 | 2,385,000 | 1,800,000 |
| Contingency Reserve | - | - | 784,259 | 796,023 | 807,963 | 820,082 | 832,384 | 844,869 | 857,542 | 870,406 |
| **Total Cash Remaining** | **-** | **-** | **333,840** | **906,235** | **646,506** | **1,085,059** | **1,311,680** | **941,565** | **1,015,717** | **772,180** |

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2019-FY2028
Wastewater Division

| 1.50% | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **EXPENSE FORECAST** | | | | | | | | | | |
| **WASTEWATER COLLECTION** | | | | | | | | | | |
| Supervision, Misc Direct Admin | 282,862 | 286,764 | 291,065 | 295,431 | 299,863 | 304,361 | 308,926 | 313,560 | 318,263 | 323,037 |
| Wastewater Collection Operations | 341,104 | 349,902 | 355,151 | 360,478 | 365,885 | 371,373 | 376,944 | 382,598 | 388,337 | 394,162 |
| Sewer Lift Stations | 139,160 | 141,580 | 143,704 | 145,860 | 148,047 | 150,268 | 152,522 | 154,810 | 157,132 | 159,489 |
| Capital Project Inspection & Support | 4,074 | 4,195 | 4,258 | 4,322 | 4,386 | 4,452 | 4,519 | 4,587 | 4,656 | 4,725 |
| Total WWC Operations Expenses | 767,201 | 782,441 | 794,178 | 806,090 | 818,182 | 830,454 | 842,911 | 855,555 | 868,388 | 881,414 |
| **WASTEWATER TREATMENT** | | | | | | | | | | |
| LA WWTP Operations & Maintenance | - | - | - | - | - | - | - | - | - | - |
| WR WWTP Operations & Maintenance | 1,866,805 | 1,721,473 | 1,747,295 | 1,773,505 | 1,800,107 | 1,827,109 | 1,854,515 | 1,882,333 | 1,910,568 | 1,939,227 |
| Total WWT Operations Expenses | 1,866,805 | 1,721,473 | 1,747,295 | 1,773,505 | 1,800,107 | 1,827,109 | 1,854,515 | 1,882,333 | 1,910,568 | 1,939,227 |
| Interdepartmental Charges | 602,162 | 602,162 | 611,195 | 620,363 | 629,668 | 639,113 | 648,700 | 658,430 | 668,307 | 678,331 |
| Administrative Division Allocation | 812,352 | 766,103 | 777,595 | 789,259 | 801,098 | 813,114 | 825,311 | 837,690 | 850,256 | 863,010 |
| Operations encumbrances rolled forward | | | | | | | | | | |
| Debt Service (WWT) | 966,892 | 966,893 | 1,625,124 | 1,625,123 | 1,625,123 | 1,625,124 | 1,531,339 | 1,437,555 | 1,437,554 | 1,434,213 |
| Capital | 1,000,000 | 13,520,000 | 50,000 | 844,000 | 4,528,000 | 537,000 | 678,000 | 988,000 | 854,000 | 854,000 |
| Total Operations Expenses | 5,015,412 | 4,839,073 | 5,555,386 | 5,614,340 | 5,674,178 | 5,734,914 | 5,702,777 | 5,671,563 | 5,735,073 | 5,796,195 |
| Total Capital Expenditures | 1,000,000 | 13,520,000 | 50,000 | 844,000 | 4,528,000 | 537,000 | 678,000 | 988,000 | 854,000 | 854,000 |
| Total Cash Outflow | 6,015,412 | 18,359,073 | 5,605,386 | 6,458,340 | 10,202,178 | 6,271,914 | 6,380,777 | 6,659,563 | 6,589,073 | 6,650,195 |
| **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 | 40.15 | 42.66 | 44.79 | 46.69 | 48.32 | 49.53 | 50.52 | 51.40 | 52.17 | 52.95 |
| Res'l Single-Family Service Charge | 11.09 | 11.78 | 12.37 | 12.90 | 13.35 | 13.68 | 13.95 | 14.19 | 14.40 | 14.62 |
| ***Rate Increase Percentage*** | ***8.00%*** | ***6.25%*** | ***5.00%*** | ***4.25%*** | ***3.50%*** | ***2.50%*** | ***2.00%*** | ***1.75%*** | ***1.50%*** | ***1.50%*** |
| Total Revenue from Res'l SF Flat Rate | 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 | 5,321,308 |

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2019-FY2028
Wastewater Division

| 1.50% | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| Res'l Multi-Family Flat Rate Customers | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Res'l Multi-Family Service Charge | 11.09 | 11.78 | 12.37 | 12.90 | 13.35 | 13.68 | 13.95 | 14.19 | 14.40 | 14.62 |
| 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 | 33.45 | 35.54 | 37.32 | 38.91 | 40.27 | 41.28 | 42.11 | 42.85 | 43.49 | 44.14 |
| ***Rate Increase Percentage*** | ***8.00%*** | ***6.25%*** | ***5.00%*** | ***4.25%*** | ***3.50%*** | ***2.50%*** | ***2.00%*** | ***1.75%*** | ***1.50%*** | ***1.50%*** |
| Total Revenue from Res'l MF Flat Rate | 607,428 | 645,378 | 677,702 | 706,578 | 731,273 | 749,610 | 764,678 | 778,111 | 789,731 | 801,539 |
| | | | | | | | | | | |
| Non-Residential Customers | 291 | 291 | 291 | 291 | 291 | 291 | 291 | 291 | 291 | 291 |
| Non-Residential Service Charge | 11.09 | 11.78 | 12.37 | 12.90 | 13.35 | 13.68 | 13.95 | 14.19 | 14.40 | 14.62 |
| Non-Residential Sales in Kgal -0.20% | 45,572 | 45,572 | 45,481 | 45,390 | 45,299 | 45,209 | 45,118 | 45,028 | 44,938 | 44,848 |
| Adjustment Factor | 8.00% | 1.75% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Adjusted Non-Residential Sales in Kgal | 49,218 | 46,370 | 45,481 | 45,390 | 45,299 | 45,209 | 45,118 | 45,028 | 44,938 | 44,848 |
| Non-Res'l Commodity Charge per Kgal | 18.90 | 20.08 | 21.08 | 21.98 | 22.75 | 23.32 | 23.79 | 24.21 | 24.57 | 24.94 |
| ***Rate Increase Percentage*** | ***8.00%*** | ***6.25%*** | ***5.00%*** | ***4.25%*** | ***3.50%*** | ***2.50%*** | ***2.00%*** | ***1.75%*** | ***1.50%*** | ***1.50%*** |
| Total Revenue from Non-Residential | 939,874 | 943,068 | 971,875 | 1,011,435 | 1,044,858 | 1,068,972 | 1,088,411 | 1,105,486 | 1,119,775 | 1,134,474 |
| | | | | | | | | | | |
| Total Sales Revenue | 5,582,581 | 5,875,734 | 6,151,070 | 6,410,875 | 6,632,799 | 6,796,529 | 6,930,264 | 7,048,975 | 7,152,061 | 7,257,320 |
| Interest on Utility Reserves | 35,667 | 25,738 | 64,298 | 79,547 | 80,349 | - | 6,239 | 20,132 | 30,371 | 45,205 |
| Loan Proceeds | | 14,000,000 | | | | | | | | |
| Revenue on Recoverable Work | - | - | - | - | - | - | - | - | - | - |
| Total Cash Inflow | 5,618,248 | 19,901,472 | 6,215,368 | 6,490,422 | 6,713,148 | 6,796,529 | 6,936,503 | 7,069,107 | 7,182,432 | 7,302,525 |
| | | | | | | | | | | |
| **Net Cash Flow** | (397,165) | 1,542,399 | 609,982 | 32,083 | (3,489,029) | 524,615 | 555,726 | 409,543 | 593,359 | 652,330 |
| Cumulative Net Cash Flow | (397,165) | 1,145,234 | 1,755,216 | 1,787,299 | (1,701,731) | (1,177,116) | (621,390) | (211,846) | 381,512 | 1,033,842 |
| | | | | | | | | | | |
| Cash Balance | 1,029,505 | 2,571,904 | 3,181,886 | 3,213,969 | (275,061) | 249,554 | 805,280 | 1,214,823 | 1,808,182 | 2,460,512 |
| Recommended Cash Balance | 3,396,402 | 4,107,562 | 8,484,242 | 4,528,209 | 4,704,700 | 5,050,724 | 4,859,504 | 4,460,831 | 4,736,500 | 4,021,393 |

Los Alamos County Utilities Department
10-Year Financial Forecast - FY2019 through FY2028
Wastewater Fund Cash Reserve Analysis

| | BUDGET 2019 | BUDGET 2020 | FORECAST 2021 | FORECAST 2022 | FORECAST 2023 | FORECAST 2024 | FORECAST 2025 | FORECAST 2026 | FORECAST 2027 | FORECAST 2028 |
|---|---|---|---|---|---|---|---|---|---|---|
| **WASTEWATER UTILITY CASH RESERVES** | | | | | | | | | | |
| Cash Balance * | 1,029,505 | 2,571,904 | 3,181,886 | 3,213,969 | (275,061) | 249,554 | 805,280 | 1,214,823 | 1,808,182 | 2,460,512 |
| **Recommended Cash Balance** | **3,396,402** | **4,107,562** | **8,484,242** | **4,528,209** | **4,704,700** | **5,050,724** | **4,859,504** | **4,460,831** | **4,736,500** | **4,021,393** |
| TARGET RESERVE BALANCES | | | | | | | | | | |
| Debt Service Reserve | 966,892 | 966,893 | 1,625,124 | 1,625,123 | 1,625,123 | 1,625,124 | 1,531,339 | 1,437,555 | 1,437,554 | 1,434,213 |
| Operations Reserve | 2,024,260 | 1,936,090 | 1,965,131 | 1,994,608 | 2,024,527 | 2,054,895 | 2,085,719 | 2,117,004 | 2,148,759 | 2,180,991 |
| Capital Expenditures Reserve | 13,520,000 | 50,000 | 844,000 | 4,528,000 | 537,000 | 678,000 | 988,000 | 854,000 | 512,000 | 750,000 |
| Contingency Reserve | 355,250 | 360,579 | 365,987 | 371,477 | 377,049 | 382,705 | 388,446 | 394,272 | 400,186 | 406,189 |
| | 16,866,402 | 3,313,562 | 4,800,242 | 8,519,209 | 4,563,700 | 4,740,724 | 4,993,504 | 4,802,831 | 4,498,500 | 4,771,393 |
| RESERVE BALANCE FORECAST | | | | | | | | | | |
| Debt Service Reserve | 966,892 | 966,893 | 1,625,124 | 1,625,123 | - | 249,554 | 805,280 | 1,214,823 | 1,437,554 | 1,434,213 |
| Operations Reserve | 62,613 | 1,605,011 | 1,556,762 | 1,588,845 | - | - | - | - | 370,628 | 1,026,299 |
| Capital Expenditures Reserve | - | - | - | - | - | - | - | - | - | - |
| Contingency Reserve | - | - | - | - | - | - | - | - | - | - |
| **Total Cash Remaining** | **-** | **-** | **-** | **-** | **(275,061)** | **-** | **-** | **-** | **-** | **-** |

** Cash balance doesn't include bond funding or bond funded projects*

## Projected Average Bill for Residential

| | ELECTRIC 500 kwh | GAS 75 therms (assumes $0.30 variable) | WATER 6,000 gal | SEWER | Total (excludes refuse) | Total % annual Increase | Total cumulative % Increase |
|---|---|---|---|---|---|---|---|
| FY2018 | $69.60 | $49.25 | $39.30 | $47.45 | $205.60 | | |
| FY2019 | $69.60 | $49.25 | $41.76 | $51.25 | $211.85 | 3.04% | 3% |
| FY2020 | $69.60 | $49.25 | $43.84 | $54.45 | $217.14 | 2.50% | 6% |
| FY2021 | $69.60 | $49.25 | $45.71 | $57.17 | $221.73 | 2.11% | 8% |
| FY2022 | $69.60 | $49.25 | $47.31 | $59.60 | $225.76 | 1.82% | 10% |
| FY2023 | $69.60 | $49.25 | $48.49 | $61.69 | $229.03 | 1.45% | 11% |
| FY2024 | $69.60 | $49.25 | $49.46 | $63.23 | $231.54 | 1.10% | 13% |
| FY2025 | $69.60 | $49.25 | $50.33 | $64.49 | $233.67 | 0.92% | 14% |
| FY2026 | $69.60 | $49.25 | $51.08 | $65.62 | $235.55 | 0.81% | 15% |
| FY2027 | $69.60 | $49.25 | $51.85 | $66.61 | $237.30 | 0.74% | 15% |
| FY2028 | $69.60 | $49.25 | $52.62 | $67.61 | $239.08 | 0.75% | 16% |

## 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 |
|---|---|---|---|---|
| FY2018 | $205.60 | $107,031 | 2.5% | 2.31% |
| FY2019 | $211.85 | $109,707 | 2.5% | 2.32% |
| FY2020 | $217.14 | $112,449 | 2.5% | 2.32% |
| FY2021 | $221.73 | $115,261 | 2.5% | 2.31% |
| FY2022 | $225.76 | $118,142 | 2.5% | 2.29% |
| FY2023 | $229.03 | $121,096 | 2.5% | 2.27% |
| FY2024 | $231.54 | $124,123 | 2.5% | 2.24% |
| FY2025 | $233.67 | $127,226 | 2.5% | 2.20% |
| FY2026 | $235.55 | $130,407 | 2.5% | 2.17% |
| FY2027 | $237.30 | $133,667 | 2.5% | 2.13% |
| FY2028 | $239.08 | $137,009 | 2.5% | 2.09% |