LOS ALAMOS

# BOARD OF PUBLIC UTILITIES
# ADDITIONAL MEETING DOCUMENTS

Additional or revised information or documents are often passed out to the Board at the meetings. Whenever possible, this informational cover page will accompany those documents.

**MAKE 20 COPIES OF ANY DOCUMENTS, INCLUDING THIS COVER SHEET, AND RETURN TO JAIME KEPHART PRIOR TO THE MEETING.**

| | |
|---|---|
| **MEETING DATE** | 3/21/2018 |
| **AGENDA ITEM** | 7.B. |
| **DOCUMENT TITLE(S)** | Corrected 10-Year Financial Forecast Spreadsheets |
| **FROM** | Bob Westervelt, Deputy Utility Manager – Finance & Administration |
| **NEW OR REVISED?**<br>Is this a revision that is different from what was in the agenda packet or is it something entirely new? | Revised |
| **RECOMMENDED ACTION**<br>If you have a new or revised recommended motion for the Board, enter it here. | **N/A** |
| **ADDITIONAL INFORMATION**<br>Please VERY BRIEFLY explain the purpose of this information or document. | Some of the Capital Reserve numbers in the spreadsheets in the published agenda packet were incorrect. These are the corrected spreadsheets. |

**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 | 39,108,336 | 37,789,735 | 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** | (0) | 0 | - | - | - | - | - | - | - | - |
| Cumulative Net Cash Flow | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | |
| Cash Balance | 17,179,055 | 17,179,055 | 17,179,055 | 17,179,055 | 17,179,055 | 17,179,055 | 17,179,055 | 17,179,055 | 17,179,055 | 17,179,055 |
| Recommended Cash Balance | 17,827,423 | 17,681,072 | 17,857,883 | 18,036,461 | 18,216,826 | 18,398,994 | 18,582,984 | 18,768,814 | 18,956,502 | 19,146,067 |
| | | | | | | | | | | |
| **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 | 11,861,641 | 11,798,349 | 11,600,661 | 11,385,364 | 11,313,433 | 11,654,838 | 11,705,186 | 12,100,665 | 12,075,070 | 12,413,550 |

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 | 15,693,447 | 16,402,112 | 18,459,612 | 20,786,600 | 23,548,663 | 26,426,697 | 29,136,734 | 31,860,654 | 34,543,184 | 37,454,152 |
| Recommended Cash Balance (ED) | 11,861,641 | 11,798,349 | 11,600,661 | 11,385,364 | 11,313,433 | 11,654,838 | 11,705,186 | 12,100,665 | 12,075,070 | 12,413,550 |
| Recommended Cash Balance (EP) | 17,827,423 | 17,681,072 | 17,857,883 | 18,036,461 | 18,216,826 | 18,398,994 | 18,582,984 | 18,768,814 | 18,956,502 | 19,146,067 |
| **Recommended Cash Balance** | **29,689,064** | **29,479,421** | **29,458,543** | **29,421,825** | **29,530,259** | **30,053,832** | **30,288,170** | **30,869,479** | **31,031,572** | **31,559,617** |
| 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 | 6,462,203.28 | 8,498,990 | 9,799,011 | 10,580,100 | 11,332,061 | 12,132,133 | 12,333,960 | 12,381,938 |
| Capital Expenditures Reserve | 1,414,187 | 1,291,979 | 1,304,899 | 1,317,948 | 1,331,127 | 1,344,438 | 1,357,883 | 1,371,462 | 1,385,176 | 1,399,028 |
| 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 | 6,994,705 | 7,283,251 |
| | 29,689,064 | 29,479,421 | 29,458,543 | 29,421,825 | 29,530,259 | 30,053,832 | 30,288,170 | 30,869,479 | 31,031,572 | 31,559,617 |
| 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 | 1,442,679 | 2,078,641 | 4,022,184 | 8,301,712 | 9,799,011 | 10,580,100 | 11,332,061 | 12,132,133 | 12,333,960 | 12,381,938 |
| Capital Expenditures Reserve | - | - | - | - | 1,331,127 | 1,344,438 | 1,357,883 | 1,371,462 | 1,385,176 | 1,399,028 |
| Contingency Reserve | - | - | - | - | 538,642 | 546,722 | 554,922 | 563,246 | 571,695 | 580,270 |
| Rate Stabilization Reserve | - | - | - | - | 640,611 | 3,286,739 | 5,733,772 | 7,069,573 | 6,994,705 | 7,283,251 |
| **Total Cash Remaining** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **991,175** | **3,511,612** | **5,894,535** |

**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 | 1,625,427 | 1,631,159 | 1,675,124 | 1,696,471 | 1,718,118 | 1,740,069 | 1,762,328 | 1,784,900 | 1,807,788 | 1,830,998 |

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** | **1,625,427** | **1,631,159** | **1,675,124** | **1,696,471** | **1,718,118** | **1,740,069** | **1,762,328** | **1,784,900** | **1,807,788** | **1,830,998** |
| 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 | 386,911 | 386,911 | 413,922 | 418,061 | 422,242 | 426,464 | 430,729 | 435,036 | 439,387 | 443,781 |
| 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* | - | - | - | - | - | - | - | - | - | - |
| | 1,625,427 | 1,631,159 | 1,675,124 | 1,696,471 | 1,718,118 | 1,740,069 | 1,762,328 | 1,784,900 | 1,807,788 | 1,830,998 |
| 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 | 386,911 | 386,911 | 413,922 | 418,061 | 422,242 | 426,464 | 430,729 | 435,036 | 439,387 | 443,781 |
| 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** | **529,662** | **1,533,446** | **1,908,535** | **2,045,605** | **2,135,109** | **2,178,578** | **2,180,043** | **2,135,759** | **2,049,390** | **2,011,183** |

** 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 | 1,849,557 | 1,866,439 | 1,729,053 | 1,744,920 | 1,761,024 | 1,777,370 | 1,793,961 | 1,810,801 | 1,827,894 | 1,845,243 |

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

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **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 | 4,200,622 | 4,231,699 | 4,332,049 | 4,420,238 | 4,748,958 | 4,835,703 | 4,808,857 | 4,726,642 | 4,815,019 | 4,897,147 |

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) | 1,849,557 | 1,866,439 | 1,729,053 | 1,744,920 | 1,761,024 | 1,777,370 | 1,793,961 | 1,810,801 | 1,827,894 | 1,845,243 |
| Recommended Cash Balance (WP) | 4,200,622 | 4,231,699 | 4,332,049 | 4,420,238 | 4,748,958 | 4,835,703 | 4,808,857 | 4,726,642 | 4,815,019 | 4,897,147 |
| **Recommended Cash Balance** | **6,050,179** | **6,098,137** | **6,061,103** | **6,165,158** | **6,509,982** | **6,613,073** | **6,602,818** | **6,537,443** | **6,642,913** | **6,742,390** |
| | | | | | | | | | | |
| 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 | 2,085,473 | 2,085,473 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 |
| Contingency Reserve | 761,250 | 772,669 | 784,259 | 796,023 | 807,963 | 820,082 | 832,384 | 844,869 | 857,542 | 870,406 |
| | 6,050,179 | 6,098,137 | 6,061,103 | 6,165,158 | 6,509,982 | 6,613,073 | 6,602,818 | 6,537,443 | 6,642,913 | 6,742,390 |
| | | | | | | | | | | |
| 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 | - | - | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 | 2,098,896 |
| Contingency Reserve | - | - | 94,203 | 473,362 | 807,963 | 820,082 | 832,384 | 844,869 | 857,542 | 870,406 |
| | | | | | | | | | | |
| **Total Cash Remaining** | **-** | **-** | **-** | **-** | **637,611** | **1,138,164** | **1,302,785** | **1,321,670** | **1,301,822** | **473,285** |

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 | 4,207,621 | 4,124,781 | 4,828,126 | 4,863,092 | 4,898,583 | 4,934,608 | 4,877,387 | 4,820,715 | 4,858,384 | 4,893,277 |

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** | **4,207,621** | **4,124,781** | **4,828,126** | **4,863,092** | **4,898,583** | **4,934,608** | **4,877,387** | **4,820,715** | **4,858,384** | **4,893,277** |
| 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 | 861,219 | 861,219 | 871,883 | 871,883 | 871,883 | 871,883 | 871,883 | 871,883 | 871,883 | 871,883 |
| Contingency Reserve | 355,250 | 360,579 | 365,987 | 371,477 | 377,049 | 382,705 | 388,446 | 394,272 | 400,186 | 406,189 |
| | 4,207,621 | 4,124,781 | 4,828,126 | 4,863,092 | 4,898,583 | 4,934,608 | 4,877,387 | 4,820,715 | 4,858,384 | 4,893,277 |
| 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)** | - | - | - | - | - |

LOS ALAMOS

# BOARD OF PUBLIC UTILITIES
# ADDITIONAL MEETING DOCUMENTS

Additional or revised information or documents are often passed out to the Board at the meetings. Whenever possible, this informational cover page will accompany those documents.

**MAKE 20 COPIES OF ANY DOCUMENTS, INCLUDING THIS COVER SHEET, AND RETURN TO JAIME KEPHART PRIOR TO THE MEETING.**

| | |
|---|---|
| **MEETING DATE** | 3/21/2018 |
| **AGENDA ITEM** | 8.A. Status Reports |
| **DOCUMENT TITLE(S)** | Safety Reports |
| **FROM** | Steve Klepies, Risk |
| **NEW OR REVISED?**<br>Is this a revision that is different from what was in the agenda packet or is it something entirely new? | New |
| **RECOMMENDED ACTION**<br>If you have a new or revised recommended motion for the Board, enter it here. | **N/A** |
| **ADDITIONAL INFORMATION**<br>Please VERY BRIEFLY explain the purpose of this information or document. | The safety reports were not yet available from Risk at the time of agenda publication. |

| | Hours Worked | Hours Worked | Hours Worked | Hours Worked | Hours Worked | Hours Worked |
|---|---|---|---|---|---|---|
| | **ADMIN** | **EL DIST** | **EL PROD** | **GWS** | **WA PROD** | **WWTP** |
| **MONTH** | | | | | | |
| | | | | | | |
| Jan - 2018 | 2773.0 | 1161.0 | 1572.0 | 2972.0 | 1014.0 | 976.0 |
| Feb - 2018 | 3339.0 | 1437.0 | 3114.0 | 3482.0 | 1235.0 | 1239.0 |
| Mar - 2017 | 5675.0 | 1989.0 | 4450.0 | 5833.0 | 1711.0 | 3525.0 |
| Apr - 2017 | 3700.0 | 1411.0 | 1879.0 | 4633.0 | 1243.0 | 1047.0 |
| May - 2017 | 3446.0 | 1201.0 | 2906.0 | 4010.0 | 4227.0 | 1277.0 |
| June - 2017 | 3444.0 | 2976.0 | 1760.0 | 2987.0 | 1663.0 | 1334.0 |
| July - 2017 | 4071.0 | 1462.0 | 1558.0 | 3732.0 | 1453.0 | 1345.0 |
| Aug - 2017 | 5757.0 | 1641.0 | 2680.0 | 4286.0 | 2895.0 | 3097.0 |
| Sept - 2017 | 3385.0 | 1329.0 | 1659.0 | 3439.0 | 1355.0 | 1122.0 |
| Oct - 2017 | 3029.0 | 1424.0 | 1468.0 | 3522.0 | 1188.0 | 1238.0 |
| Nov - 2017 | 3476.0 | 1416.0 | 1506.0 | 3398.0 | 1182.0 | 1201.0 |
| Dec - 2017 | 3204.0 | 1251.0 | 1372.0 | 3047.0 | 2427.0 | 946.0 |
| | | | | | | |
| **Total Hrs Worked ->** | 45299.0 | 18698.0 | 25924.0 | 45341.0 | 21593.0 | 18347.0 |
| | | | | | | |
| | | | | | | |
| **Number of Recordable Injury and Illness Cases** | 0 | 1 | 0 | 4 | 0 | 1 |
| | | | | | | |
| **OSHA Recordable Injury & Illness Incidence Rate** | 0.00 | 10.70 | 0.00 | 17.64 | 0.00 | 10.90 |
| | | | | | | |
| **Number of OSHA Days Away Days Restricted (DART) cases** | 0 | 0 | 0 | 3 | 0 | 0 |
| | | | | | | |
| **OSHA Days Away Days Restricted (DART) Rate** | 0.00 | 0.00 | 0.00 | 13.23 | 0.00 | 0.00 |