

Proposed Water Rate Increases Residential Customers

Non-Peak Season (Oct 1 through Apr 30) (Single Family & Multi-Family with water meter size 1-1/4 inches or less)

	Current	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Monthly Svc Fee :	\$10.01	\$10.51	\$10.96	\$11.40
Commodity Rate/1000 gallons:	\$5.29	\$5.55	\$5.79	\$6.02

Peak Season - May 1 through Sept 30 (Single Family with water meter size 1-1/4 inches or less)

	Current	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Monthly Svc Fee :	\$10.01	\$10.51	\$10.96	\$11.40
Commodity Rate per 1000 gallons				
Tier 1 (<=9 kgal):	\$5.29	\$5.55	\$5.79	\$6.02
Tier 2 (>9 kgal thru 15 kgal):	\$5.62	\$5.90	\$6.15	\$6.40
Tier 3 (>15 kgal):	\$6.72	\$7.06	\$7.36	\$7.65

Peak Season - May 1 through Sept 30 (Multi-Family with water meter size 1-1/4 inches or less)

	Current	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Monthly Svc Fee:	\$10.01	\$10.51	\$10.96	\$11.40
Commodity Rate per 1000 gallons				
Tier 1 (<=9 kgal):	\$5.29	\$5.55	\$5.79	\$6.02
Tier 2 (>9 kgal thru 15 kgal):	\$5.56	\$5.84	\$6.09	\$6.33
Tier 3 (>15 kgal):	\$5.68	\$5.96	\$6.22	\$6.47

Examples of Monthly Residential Water Bills

Non-Peak Season (Oct 1 through Apr 30)

(Single Family & Multi-Family: 6,000 gallons consumed with water meter size 1-1/4 inches or less)

	Current	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Monthly Svc Fee:	\$10.01	\$10.51	\$10.96	\$11.40
Commodity Rate Calculation	\$5.29 x 6kgal	\$5.55 x 6kgal	\$5.79 x 6kgal	\$6.02 x 6kgal
Total Commodity 6 kgal	\$31.74	\$33.30	\$34.74	\$36.12
Total Charges	\$41.75	\$43.81	\$45.70	\$47.52

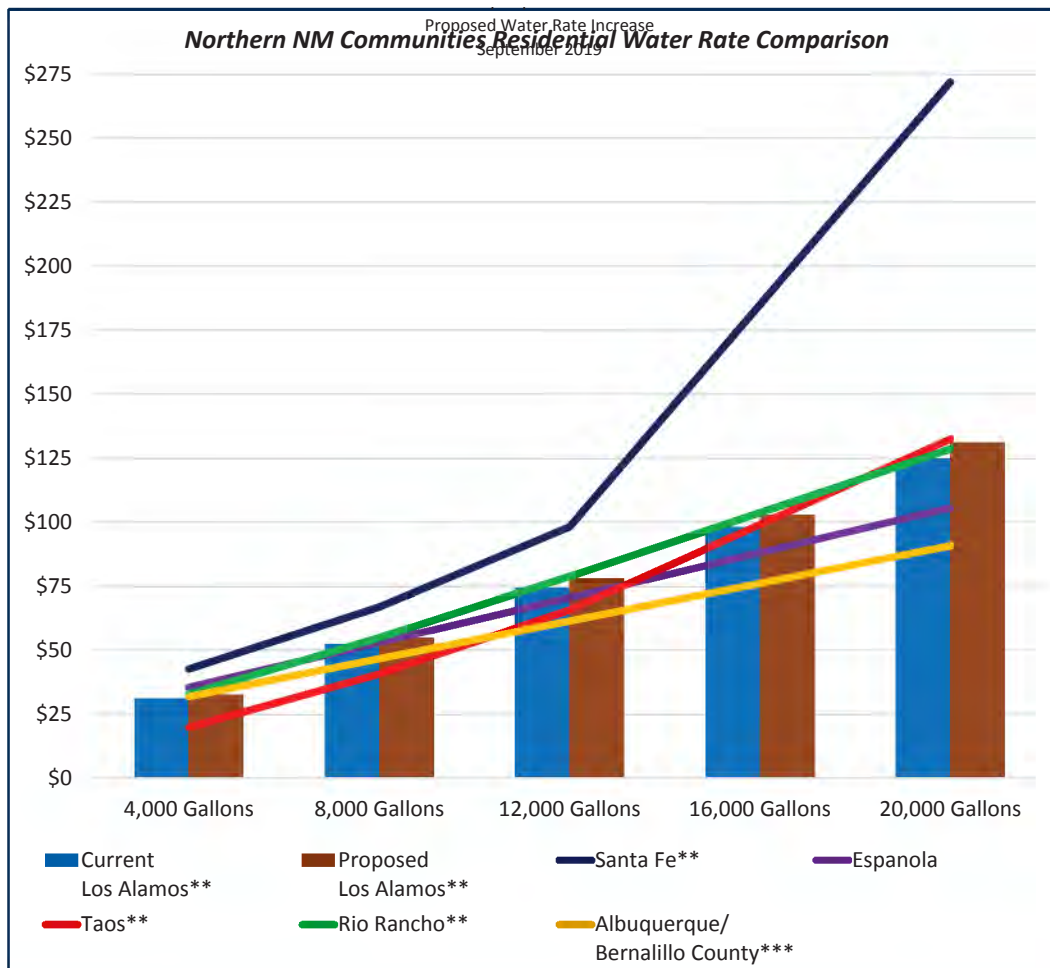
Peak Season (May 1 through Sept 30)

(Single Family: 14,000 gallons consumed with water meter size 1-1/4 inches or less)

	Current	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Monthly Svc Fee:	\$10.01	\$10.51	\$10.96	\$11.40
Tier 1 Commodity Rate Calculation (<=9 kgal):	\$5.29 x 8.9kgal	\$5.55 x 9kgal	\$5.79 x 9kgal	\$6.02 x 9kgal
Tier 2 Commodity Rate Calculation (>9 kgal thru 15 kgal)	\$5.62 x 5.1kgal	\$5.90 x 5kgal	\$6.15 x 5kgal	\$6.40 x 5kgal
Total Commodity 14 kgal	\$75.43	\$79.45	\$82.86	\$86.18
Total Charges	\$85.74	\$89.96	\$93.82	\$97.58

Residential Water Bills

Comparison With Other Communities



RESIDENTIAL WATER BILLS (Assuming 5/8-inch Water Meter & Peak Season*)

Monthly Use Gallons	LAC Current**	LAC Proposed**	Santa Fe**	Espanola	Taos**	Rio Ranch**	Albuquerque Bernalillo Co.***
4,000	31.17	32.71	42.66	35.49	19.88	32.81	31.91
6,000	41.75	43.81	54.78	44.26	28.22	43.45	39.27
8,000	52.33	54.91	66.90	53.03	40.74	54.97	46.64
12,000	74.48	78.16	98.22	70.56	65.78	78.91	61.36
14,000	85.72	89.96	141.66	79.33	82.46	91.33	68.73
16,000	98.06	102.92	185.10	88.10	99.14	103.75	76.09
20,000	124.94	131.16	271.98	105.63	132.50	128.59	90.82
30,000	192.14	201.76	489.18	149.47	215.90	190.69	127.64

* For comparison purposes, the month of August was used for all locations

** Tiered or seasonal rates apply for this jurisdiction

*** Rates show DO NOT include surcharges for usage in excess of citizen's water budget calculated by season and winter mean which can be up to 100% of commodity charge. Drought surcharges up to 400% may also apply.

10-Year Financial Forecast

FY2020 through FY2029

Water Fund Cash Reserve Analysis

	BUDGET FY 2020	FORECAST FY 2021	FORECAST FY 2022	FORECAST FY 2023	FORECAST FY 2024	FORECAST FY 2025	FORECAST FY 2026	FORECAST FY 2027	FORECAST FY 2028	FORECAST FY 2029
DRINKING WATER (DW) AND WATER PRODUCTION (WP) UTILITIES CASH RESERVES										
Combined Cash Balance DW & WP	1,811,656	3,354,835	3,734,691	5,088,616	5,799,906	5,878,008	6,322,684	6,695,559	7,003,055	6,695,845
Recommended Cash Balance (DW)	1,748,985	1,617,567	1,638,644	1,660,006	1,681,656	1,703,598	1,725,836	1,748,375	1,771,219	1,794,371
Recommended Cash Balance (WP)	4,273,876	4,375,473	4,478,477	4,822,161	4,924,019	4,912,436	4,845,637	4,949,583	5,047,437	5,106,562
Total Recommended Cash Balance	6,022,861	5,993,040	6,117,121	6,482,167	6,605,675	6,616,034	6,571,473	6,697,958	6,818,655	6,900,933
TARGET RESERVE BALANCES										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	2,898,914	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	2,092,905	2,113,968	2,135,242	2,156,729	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	772,669	784,259	796,023	807,963	820,082	832,384	844,869	857,542	870,406	883,462
Total Reserve Balance	6,022,861	5,993,040	6,117,121	6,482,167	6,605,675	6,616,034	6,571,473	6,697,958	6,818,655	6,900,933
RESERVE BALANCE FORECAST										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	1,553,282	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	-	260,023	548,834	1,571,141	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	-	-	-	-	14,313	94,358	596,080	855,143	870,406	678,374
Total Cash Remaining	-	-	-	-	-	-	-	-	184,399	-

Wastewater (Sewer) Fund Cash Reserve Analysis

	BUDGET FY 2020	FORECAST FY 2021	FORECAST FY 2022	FORECAST FY 2023	FORECAST FY 2024	FORECAST FY 2025	FORECAST FY 2026	FORECAST FY 2027	FORECAST FY 2028	FORECAST FY 2029
WASTEWATER (SEWER) UTILITY CASH RESERVES										
Cash Balance	3,438,238	3,992,641	4,671,759	5,122,560	4,829,031	5,066,563	4,661,425	4,517,482	4,615,838	5,141,497
Total Recommended Cash Balance	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729
TARGET RESERVE BALANCES										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	861,219	887,315	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	360,579	365,987	371,477	377,049	382,705	388,446	394,272	400,186	406,189	412,282
Total Reserve Balance	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729
RESERVE BALANCE FORECAST										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	830,341	429,291	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	-	-	183,148	377,049	262,944	388,446	203,273	18,684	79,172	412,282
Total Cash Remaining	-	-	-	218,428	-	166,272	-	-	-	150,768

WATER PRODUCTION



Pajarito Booster Tank #3 Repainted 2006 (Left Before & Right After)



Split in Cast Iron Transmission Line



Drilling new Well 2019



Booster Station Roof Replacement (Left Before & Right After)



Concrete Cylinder Transmission Line Failure

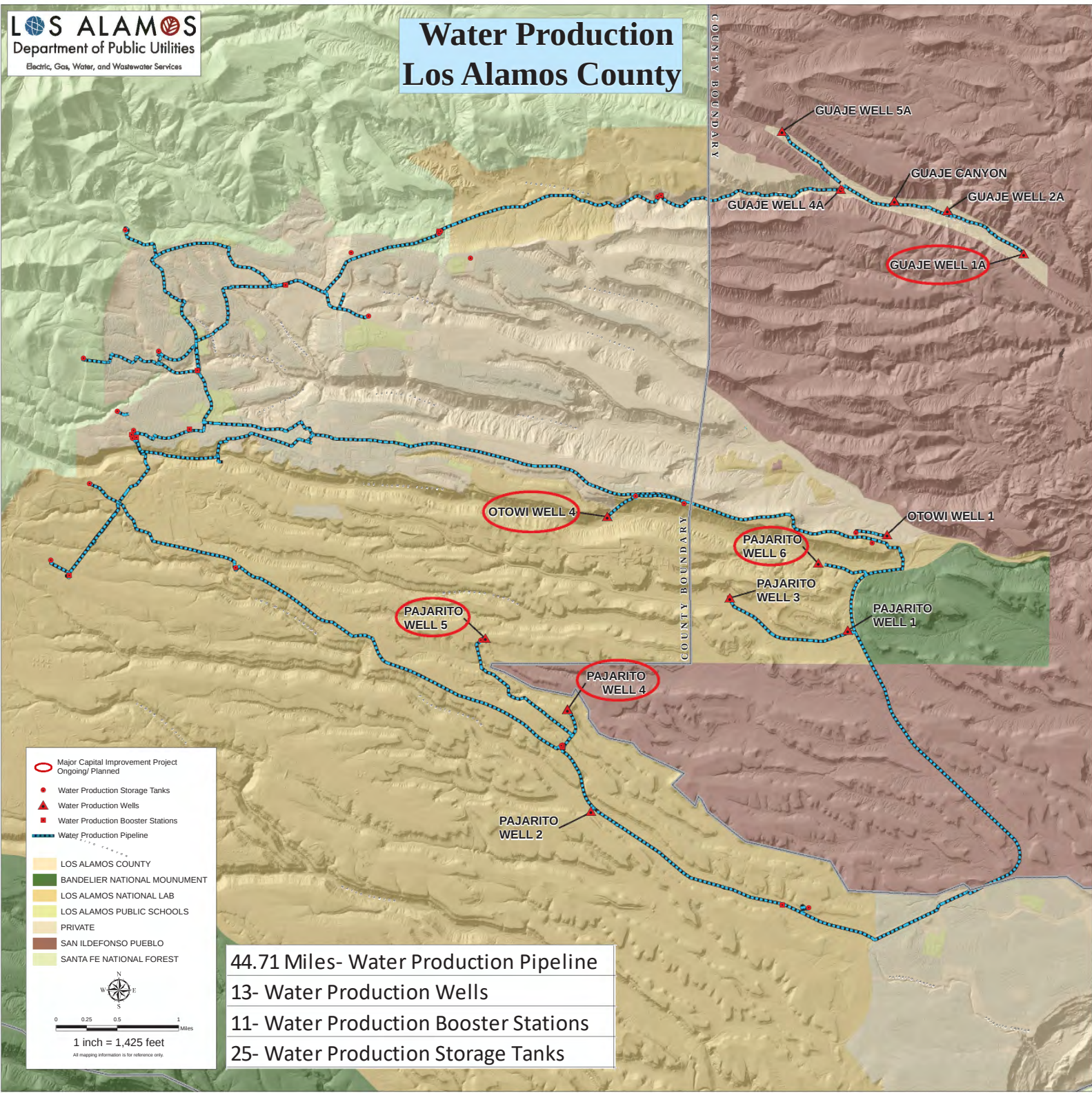


Corroded Cast Iron Pipe



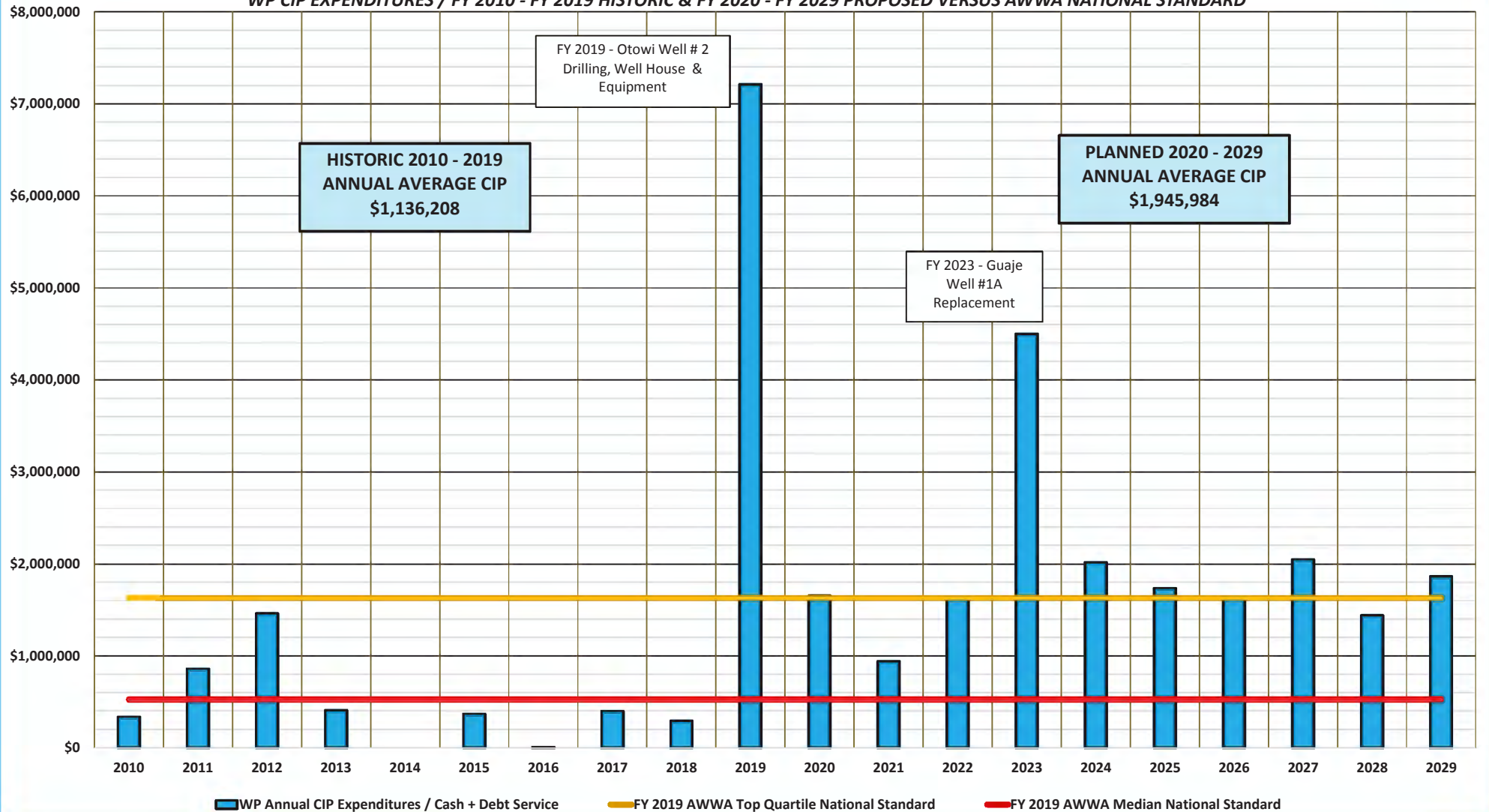
Overlook Park Irrigation Booster Station

Water Production Los Alamos County



WATER PRODUCTION

WP CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD



WATER DISTRIBUTION



Water Pressure Reducing Valves Refurbishment (Left Before & Right After)



Steel Pipe Coupling



Leak in Concrete Cylinder Pipe



Corrosion Leak on Steel Pipe



Corroded Cast Iron Pipe

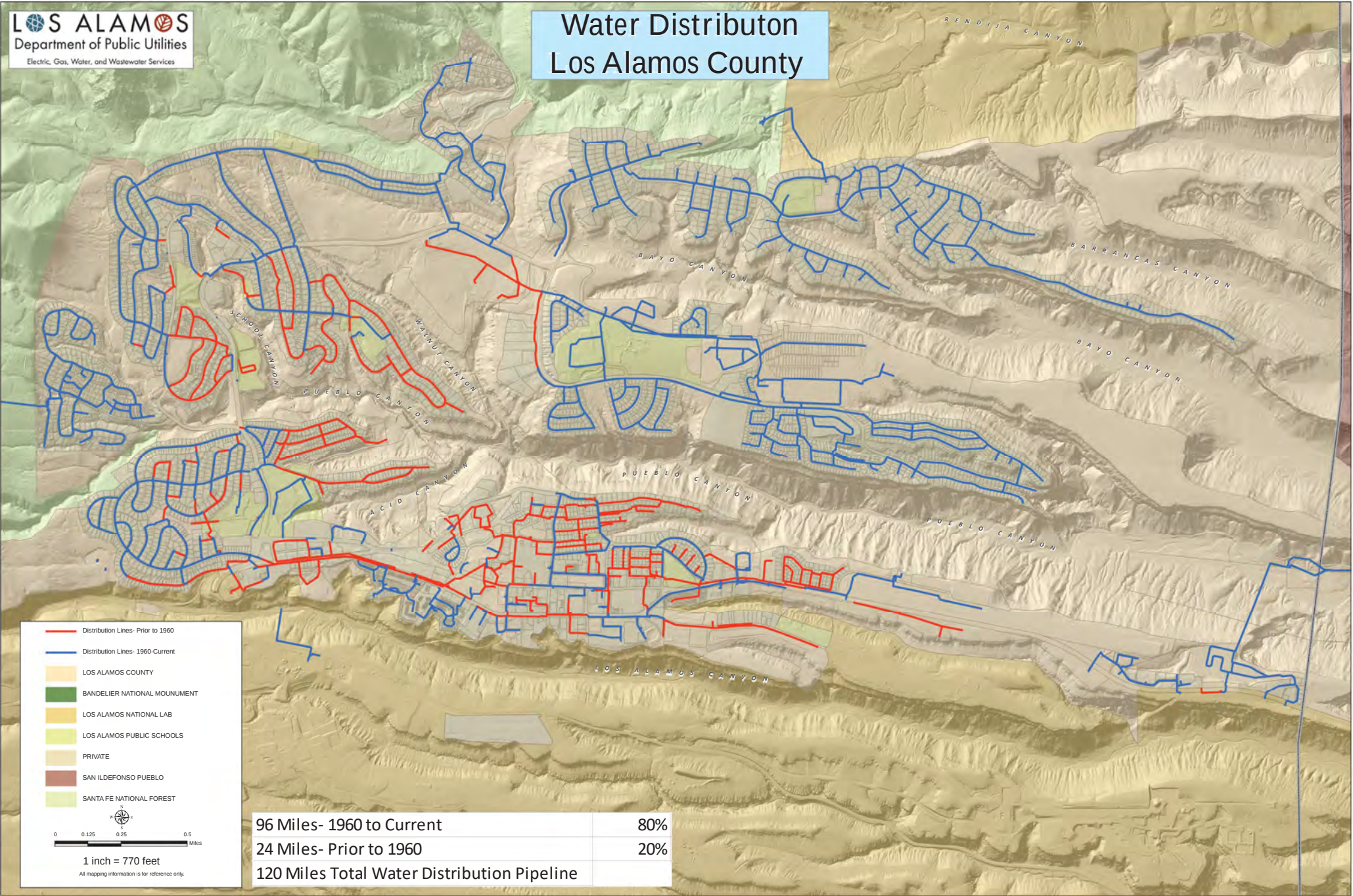


Service Line Leak with Multiple Repair Clamps



Corroded Steel Water Line

Water Distribution Los Alamos County

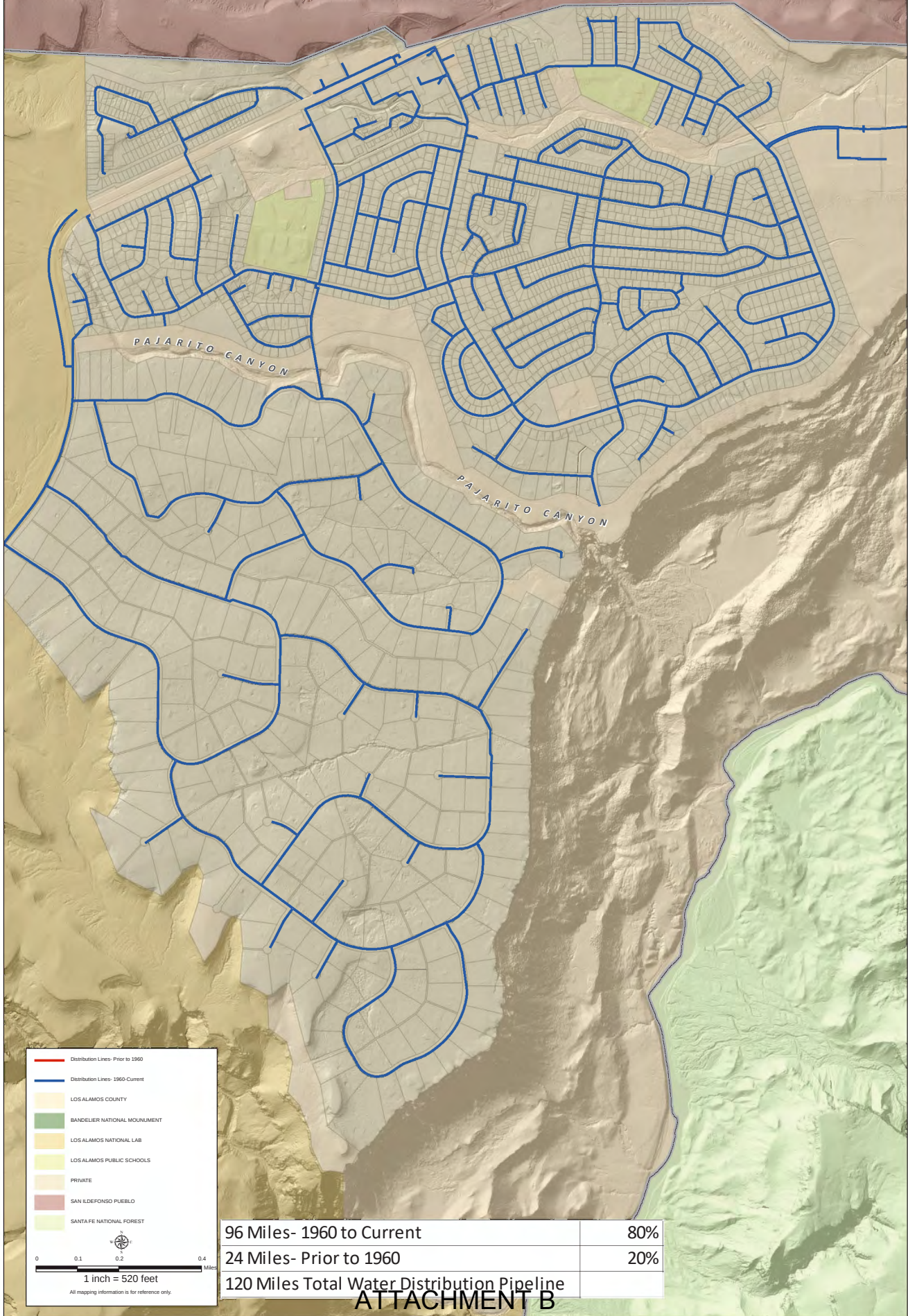


— Distribution Lines- Prior to 1960
— Distribution Lines- 1960-Current
 LOS ALAMOS COUNTY
 BANDELIER NATIONAL MOUNUMENT
 LOS ALAMOS NATIONAL LAB
 LOS ALAMOS PUBLIC SCHOOLS
 PRIVATE
 SAN ILDEFONSO PUEBLO
 SANTA FE NATIONAL FOREST

0 0.125 0.25 0.5 Miles
 1 inch = 770 feet
 All mapping information is for reference only.

96 Miles- 1960 to Current	80%
24 Miles- Prior to 1960	20%
120 Miles Total Water Distribution Pipeline	

Water Distribution Los Alamos County



ATTACHMENT B

WATER DISTRIBUTION

DW CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD

