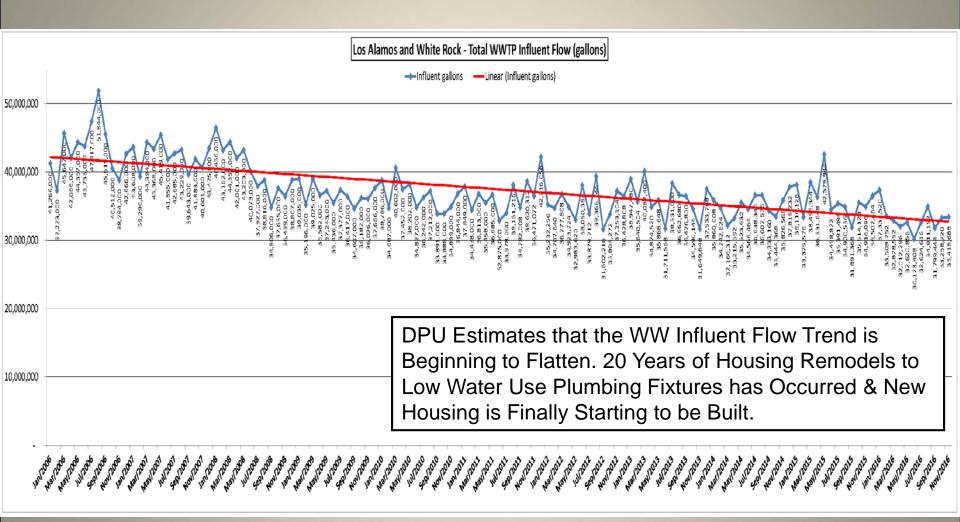
Wastewater Rate Adjustments FY 2020 thru FY 2022 Board of Public Utilities & County Council October thru November 2019 Meetings



Total LA + WR WWTP Influent Flow 2006 - 2016



DPU Financial Policy for Cash Reserves – Waste Water Fund

- In Each Utilities Fund or Sub-Fund:
- 1. 180-Days of Budgeted O&M Expenses for the Following Year (90-Days Min. Floor)
- 2. Debt Service Reserve (Sufficient to Fund All Debt Service for the Following Year)
- 3. Contingency Reserve (Only One Occurrence in any Single Year) WC = \$750,000 Replace a Major Segment of Pipeline WT = \$750,000 Replace a Major System or Component
- Retirement/Reclamation Reserve (Only One Occurrence in any Single Year)
 WC = \$150,000 Abandon a Sewer Lift Station
 WT = \$150,000 Abandon a Treatment System Basin & Equipment

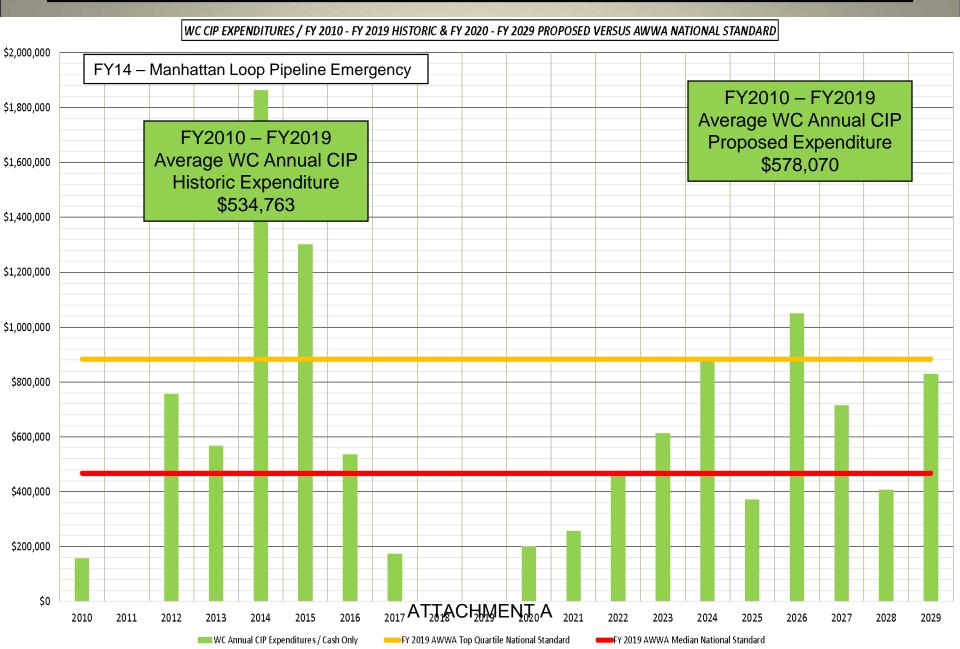
Cash Balance and Risk Sharing Between System Sub-Funds/Sub-Groups WC & WT Sub-Group's Budgets for Contingency and Retirement/Reclamation Reserves are Split 50/50

 Actual CIP Program Expenditures for the Following Year – or – The System's Annual Depreciation Plus 2.5% (whichever is greater) Capital Improvement Program (CIP) – Waste Water Fund Financial Policy versus Historic & Proposed

 Actual CIP Program Expenditures for the Following Year – or – The System's Annual Depreciation Plus 2.5% (whichever is greater)

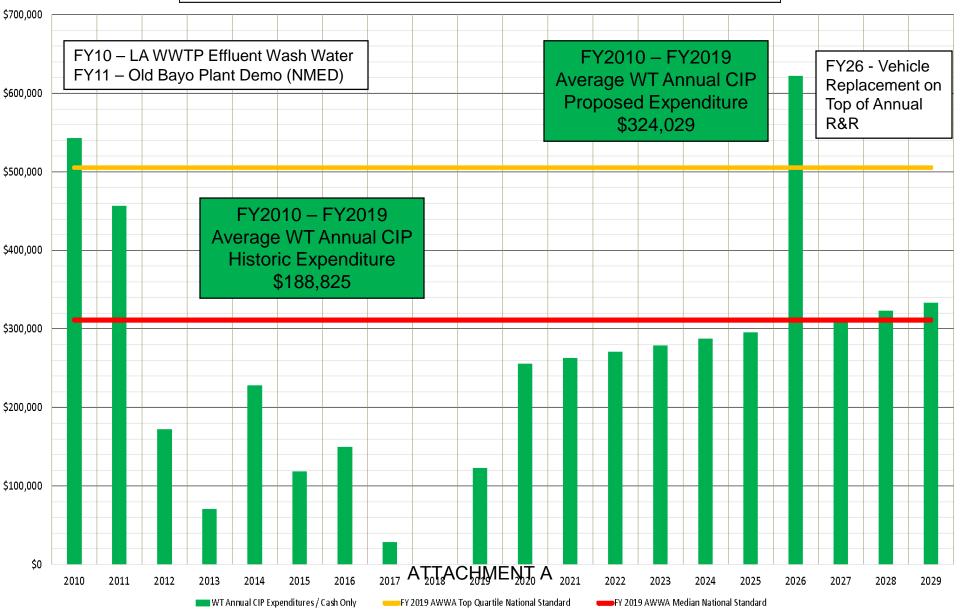
WC = \$496,394 (FY20 Dep. + 2.5%) Compared to \$534,763 (Historic) & \$578,070 (Proposed)
WT = \$330,930 (FY20 Dep. + 2.5%) Compared to \$188,825 (Historic) & \$324,029 (Proposed)

AWWA / Wastewater WC Sub-System R & R



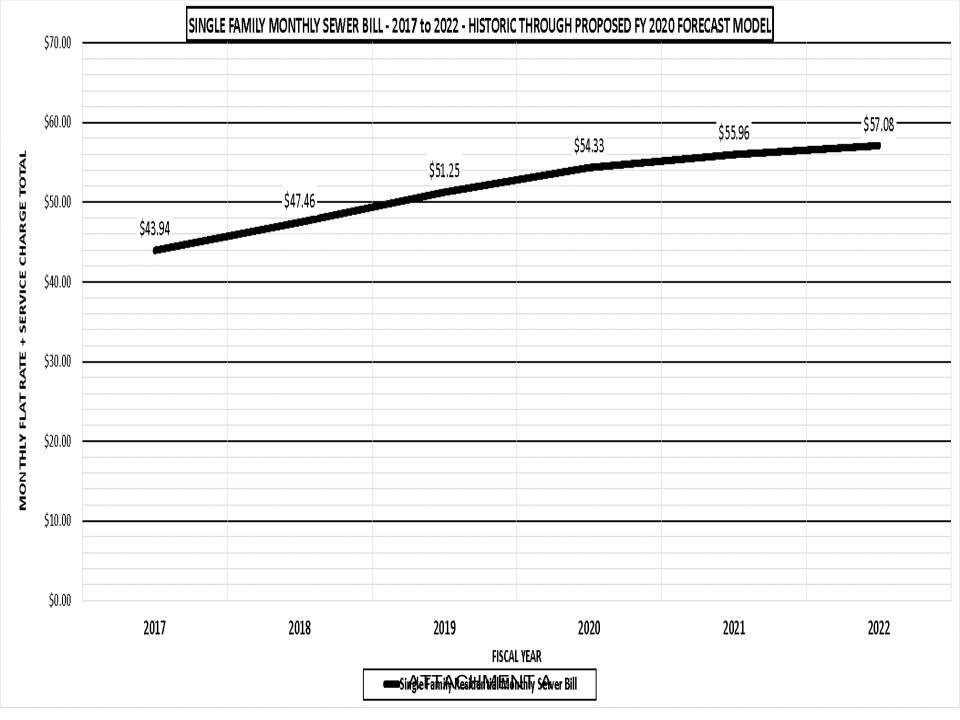
AWWA / Wastewater – WT Sub-System R & R

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



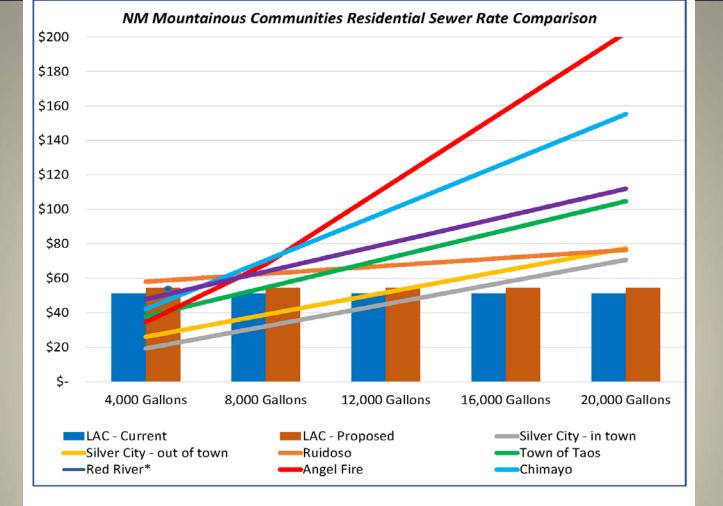
National Comparable - AWWA / System R & R – W & WW

System Renewal & Replacement AWWA National Standard Percentages											
	2020 AWV	2017 / Dash VA System R ement Perce	enewal &		Annual Repair & Replacement National Standard (PWV) X (System R&R %)						
AWWA Asset Class	Bottom Quartile	Median	Top Quartile	Actual FY 2018 / Dashboard FY 2020 Present Worth Value of the GWS Sub- Group System	Bottom Quartile	Median	Top Quartile				
1. Water Supply	0.7%	1.9%	5.1%								
2. Water Treatment Facilities (not used)	1.1%	2.4%	5.5%								
3. Water Pump Station	0.5%	1.2%	6.4%								
4. Water Transmission and Distribution	0.6%	1.5%	2.7%								
5. Wastewater Collection	0.8%	1.5%	3.0%		Prop	osed CIP P	rogram				
6. Wastewater Pump Stations	1.6%	3.1%	5.7%			Annual FY					
7. Wastewater Treatment	0.9%	2.3%	3.4%		FY 2029 CIP Costs						
						\$	1,945,984				
Water Production (average 1, 3 & 4)	0.60%	1.53%	4.73%	\$34,456,203	\$206737	\$527,180	\$1,629,778				
						\$4	73,938				
Water Distribution (4 only)	0.60%	1.50%	2.70%	\$18,715,209	\$112,291	\$280,728	\$505,311				
						\$578,0	70				
Wastewater Collection (average 5 & 6)	1.20%	2.30%	4.35%	\$20,306,557	\$243,679	\$467,051	\$883,335				
		ΔΤΤΔ	CHMEN	ΓΔ		\$324	,029				
Wastewater Treatment (7 only)	0.90%	2.30%	3.40%	\$13,537,704	\$121,839	\$311,367	\$460,282				



Projected Average Sewer Bill for Residential Customers - FY 2017 through FY 2022										
	Monthly	Rate Increase	Additional Annual Cost Over Previous	Los Alamos Median Household	Assumed Annual Income	· · ·				Percentage of Income Needed to Pay
	Sewer	Percentage	Year	Income *	Increase	Bill		Income **	Increase	Sewer Bill
FY2017	\$43.94	8.00%	\$39.00	\$110,190	2.5%	0.48%	ļ	\$46,744	0.0%	1.13%
FY2018	\$47.46	8.00%	\$42.18	\$112,945	2.5%	0.50%		\$46,744	0.0%	1.22%
FY2019	\$51.25	8.00%	\$45.56	\$115,768	2.5%	0.53%		\$46,744	0.0%	1.32%
FY2020	\$54.32	6.00%	\$36.82	\$118,663	2.5%	0.55%		\$46,744	0.0%	1.39%
FY2021	\$55.95	3.00%	\$19.56	\$121,629	2.5%	0.55%		\$46,744	0.0%	1.44%
FY2022	\$57.07	2.00%	\$13.44	\$124,670	2.5%	0.55%		\$46,744	0.0%	1.47%
* 2017 data point from https://www.census.gov/quickfacts/fact/table/losalamoscountynewmexico/PST045217 - 2013-2017 data, 2017 dollars										
** https://www.deptofnumbers.com/income/new-mexico/ - 2017 data										

AWWA Sewer Service Affordability for FY 2020 National Benchmark Median Value = 0.78% Compared to National Median Household Income

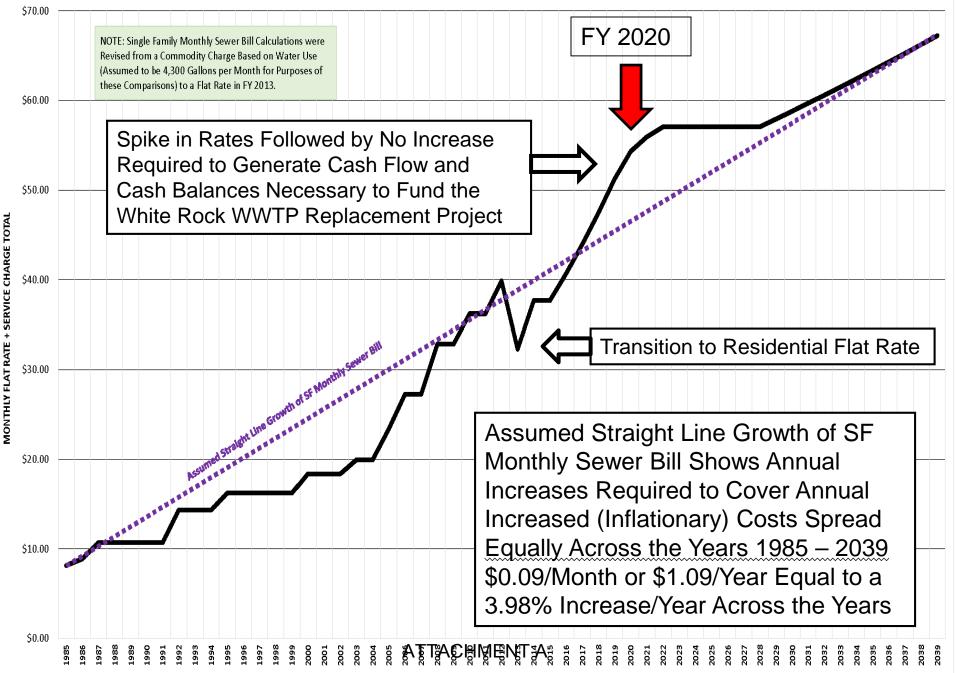


RESIDENTIAL SEWER RATES: LOS ALAMOS VS. COMPARABLE COMMUNITIES

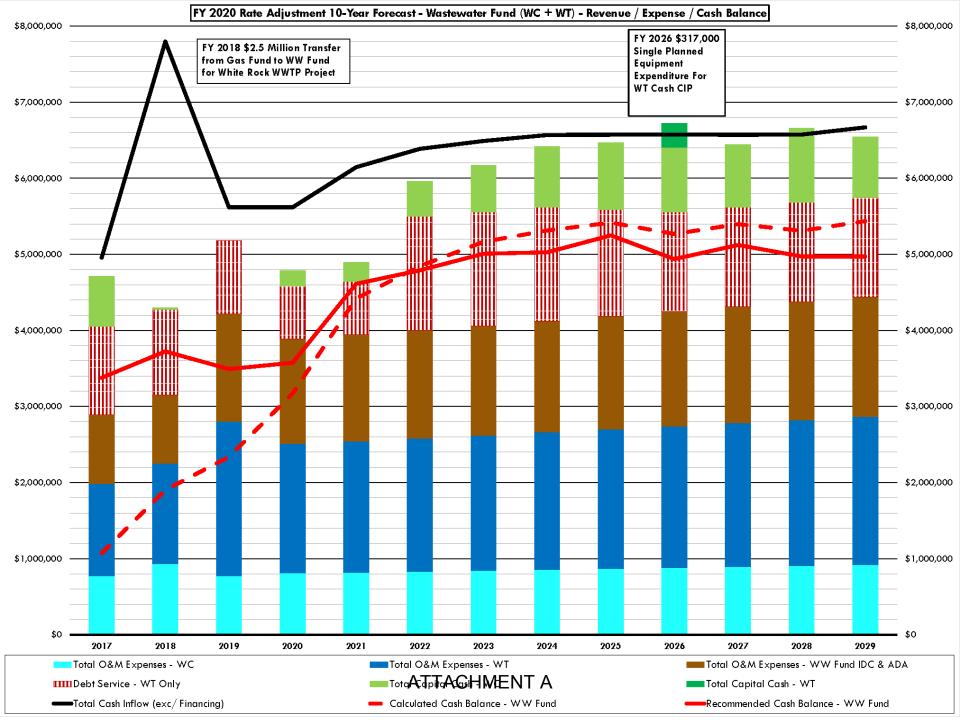
	LAC -	LAC -	Silver City - in	Silver City -		Town of	Red			
Monthly Usage	Current	Proposed	town	out of town	Ruidoso	Taos	River*	Angel Fire	Chimayo	Aztec
4,000 Gallons	51.24	54.32	19.34	26.10	58.04	38.02		34.59	42.26	47.95
6,000 Gallons	51.24	54.32	25.76	32.52	60.34	46.36	47.99	34.59	56.38	55.95
8,000 Gallons	51.24	54.32	32.18	38.94	62.64	54.70		68.16	70.50	63.95
12,000 Gallons	51.24	54.32	45.02	51.78	67.24	71.38		112.92	98.74	79.95
14,000 Gallons	51.24	54.32	51.44	58.20	69.54	79.72		135.30	112.86	87.95
16,000 Gallons	51.24	54.32	57.86	64.62	71.84	88.06		157.68	126.98	95.95
20,000 Gallons	51.24	54.32	70.70	77.46	76.44	104.74		202.44	155.22	111.95
30,000 Gallons	51.24	54.32	102 A30	ТАСЫМЕ	EN87.9A	146.44		314.34	225.82	151.95

* Available data for Red River is for Dec. 2015, 6 kgal only.

SINGLE FAMILY MONTHLY SEWER BILL - 1985 to 2039 - HISTORIC THROUGH PROPOSED FY 2020 FORECAST MODEL



Monthly SF Sewer Bill



CONCLUSIONS & RECOMMENDATIONS

- The Long Range Rate Adjustment Plan Executed by DPU over the Past Few Years has Established a Multi-Year Record of Financial Health Improvement in All Funds and Sub-Funds
- The Proposed CIP Programs for Each Sub-Group are Planned to Reach a "Modern Acceptable Standard" in Terms of Capacity and Physical Integrity Within the Current Long Range (20-Year) Planning Period
- It is Not Recommended to Further Delay Any System's CIP Program
- If the Current Proposal for a 3-Year Rate Adjustment Program is Approved, and if Everything Goes According to Plan, the Financial Policy Goals of the BPU Will be Met By FY 2025 and the CIP Needs of all Sub-Groups Will be Met

Continuous Improvement Steps

- Continue to Research Ways to Emphasize Repair & Rehabilitation of Existing Facilities In Lieu of Full CIP Replacement
- Annually Verify That All Revenue Related Assumptions Regarding Projected Sales Volumes, Number of Housing Units, Etc. Are Accurate In the Financial Models
- Annually Refine the Financial Models Data Sets and Assumptions
- Annually Review and Potentially Revise Proposed CIP Costs and Future Rates Based on the Best Available Data and Refined Model Output
- Every Year's Budget Includes a 10-Year Forecast Based on the Reviewed & Refined Financial Models

Questions?

For a copy of this presentation please provide your email address on a comment card or directly email

jack.richardson@lacnm.us Deputy Utilities Manager – Gas, Water, Sewer 662-8215

Department of Public Utilities

ATTACHMENT A