

Water Volume Forecast FY 2018



Water Customers by Class

Fiscal Year	Residential		Commercial		Wholesale	Total
2012	27,207	0.8%	4,161	-1.8%	2	31,370
2013	27,486	1.0%	4,226	1.6%	2	31,714
2014	27,915	1.6%	4,301	1.8%	2	32,218
2015	28,722	2.9%	4,552	5.8%	2	33,276
2016	29,411	2.4%	4,640	1.9%	2	34,053
2017	30,040	2.1%	4,694	1.2%	2	34,734
2018	30,682	2.1%	4,747	1.1%	2	35,429
2019	31,338	2.1%	4,800	1.1%	2	36,137
2020	32,007	2.1%	4,853	1.1%	2	36,860
2021	32,691	2.1%	4,906	1.1%	2	37,597
2022	33,390	2.1%	4,959	1.1%	2	38,349
2023	34,103	2.1%	5,013	1.1%	2	39,116
2024	34,832	2.1%	5,067	1.1%	2	39,899
2025	35,576	2.1%	5,121	1.1%	2	40,696
2026	36,336	2.1%	5,175	1.1%	2	41,510
2027	37,112	2.1%	5,229	1.0%	2	42,341

Historical and Projected Water Production (MGD)

Fiscal Year	Actual	Normal	Dry	Wet	Rainfall
2012	18.4	18.4	19.9	17.0	33
2013	18.7	18.7	20.2	17.3	27
2014	16.9	19.2	20.7	17.7	26
2015	17.4	19.6	21.2	18.1	38
2016	17.8	20.1	21.7	18.5	61
2017		20.5	22.0	18.8	
2018		20.9	22.5	19.2	
2019		21.3	22.9	19.6	
2020		21.7	23.4	20.0	
2021		22.2	23.8	20.4	
2022		22.6	24.3	20.8	
2023		23.1	24.8	21.2	
2024		23.5	25.4	21.7	
2025		24.0	25.8	22.0	
2026		24.5	26.3	22.5	
2027		25.0	26.9	22.9	

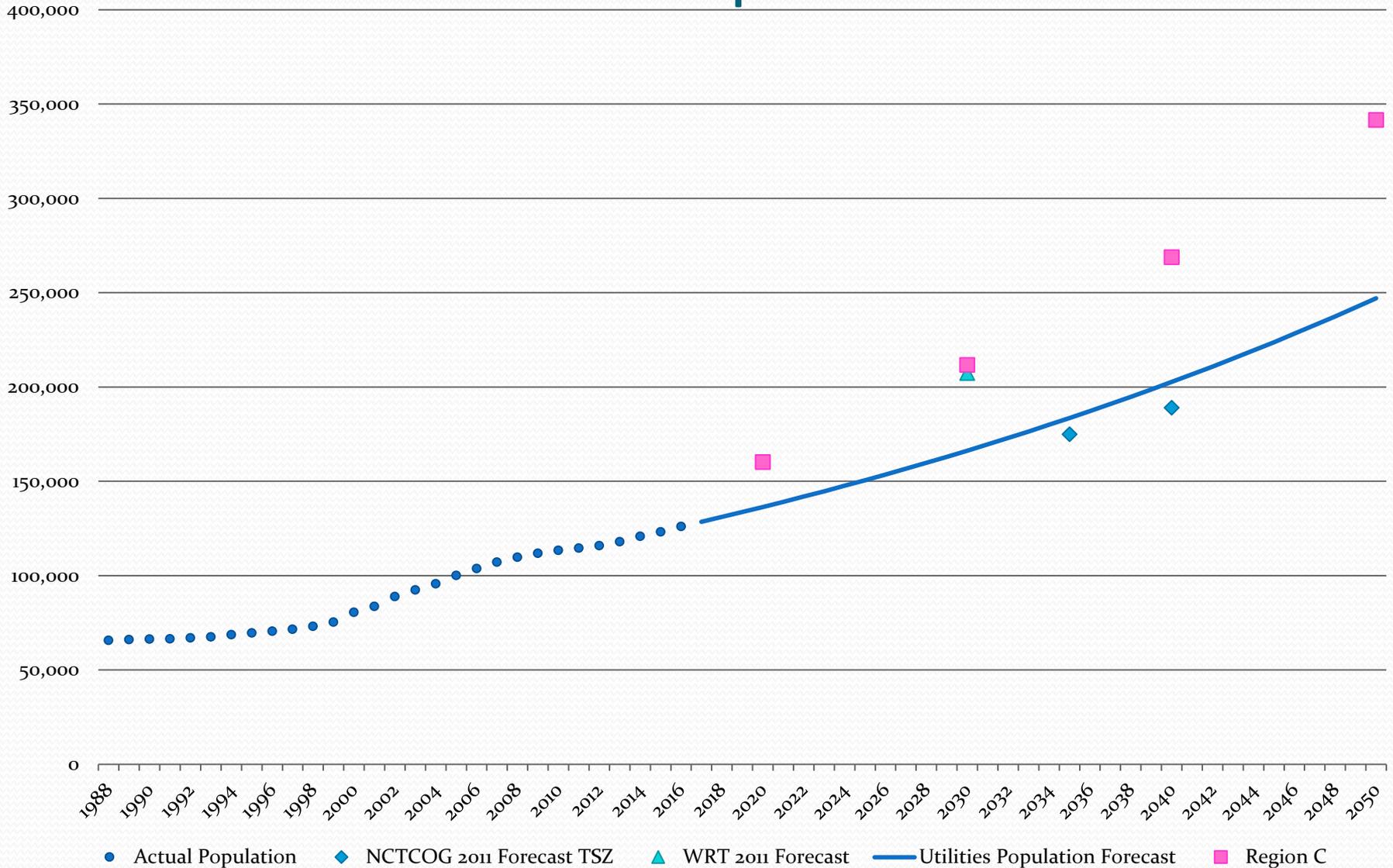
Normal Year - 37 in rain in of rainfall annually
 Dry Year - 27 in rain in of rainfall annually
 Wet Year - 47 in rain in of rainfall annually

Historical and Projected Peak Day Water Production (MGD)

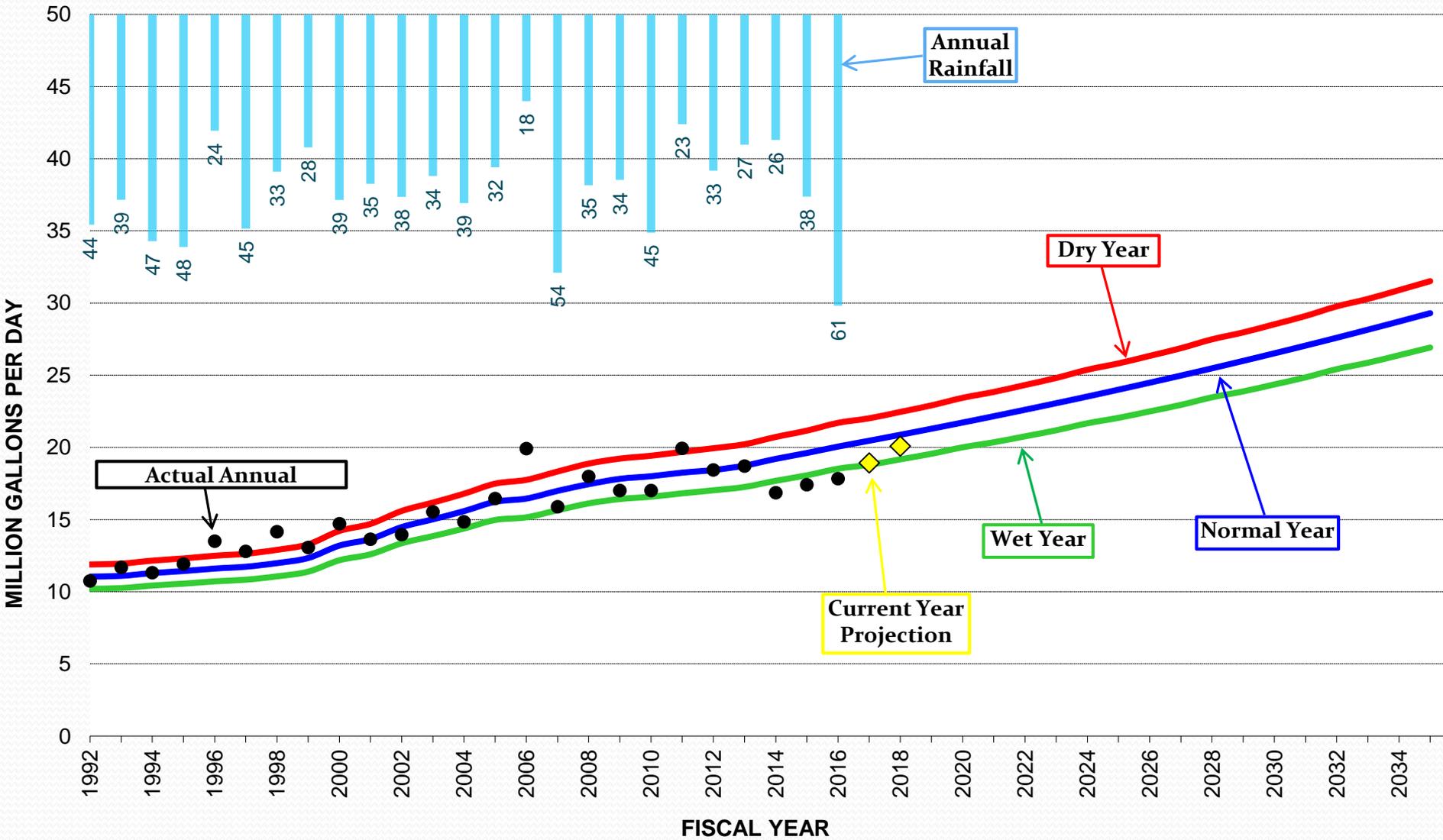
Fiscal Year	Actual	Normal	Dry	Wet	Rainfall
2012	34.5	33.8	36.5	31.2	33
2013	31.7	34.3	37.0	31.6	27
2014	25.9	35.2	37.9	32.4	26
2015	34.3	35.9	38.8	33.1	38
2016	29.8	36.7	39.7	33.9	61
2017		37.5	40.3	34.4	
2018		38.2	41.1	35.1	
2019		39.0	42.0	35.8	
2020		39.8	42.9	36.6	
2021		40.6	43.7	37.3	
2022		41.4	44.5	38.0	
2023		42.2	45.4	38.8	
2024		43.1	46.5	39.7	
2025		44.0	47.3	40.4	
2026		44.8	48.2	41.2	
2027		45.7	49.2	42.0	

Normal Year - 37 in rain in of rainfall annually
 Dry Year - 27 in rain in of rainfall annually
 Wet Year - 47 in rain in of rainfall annually

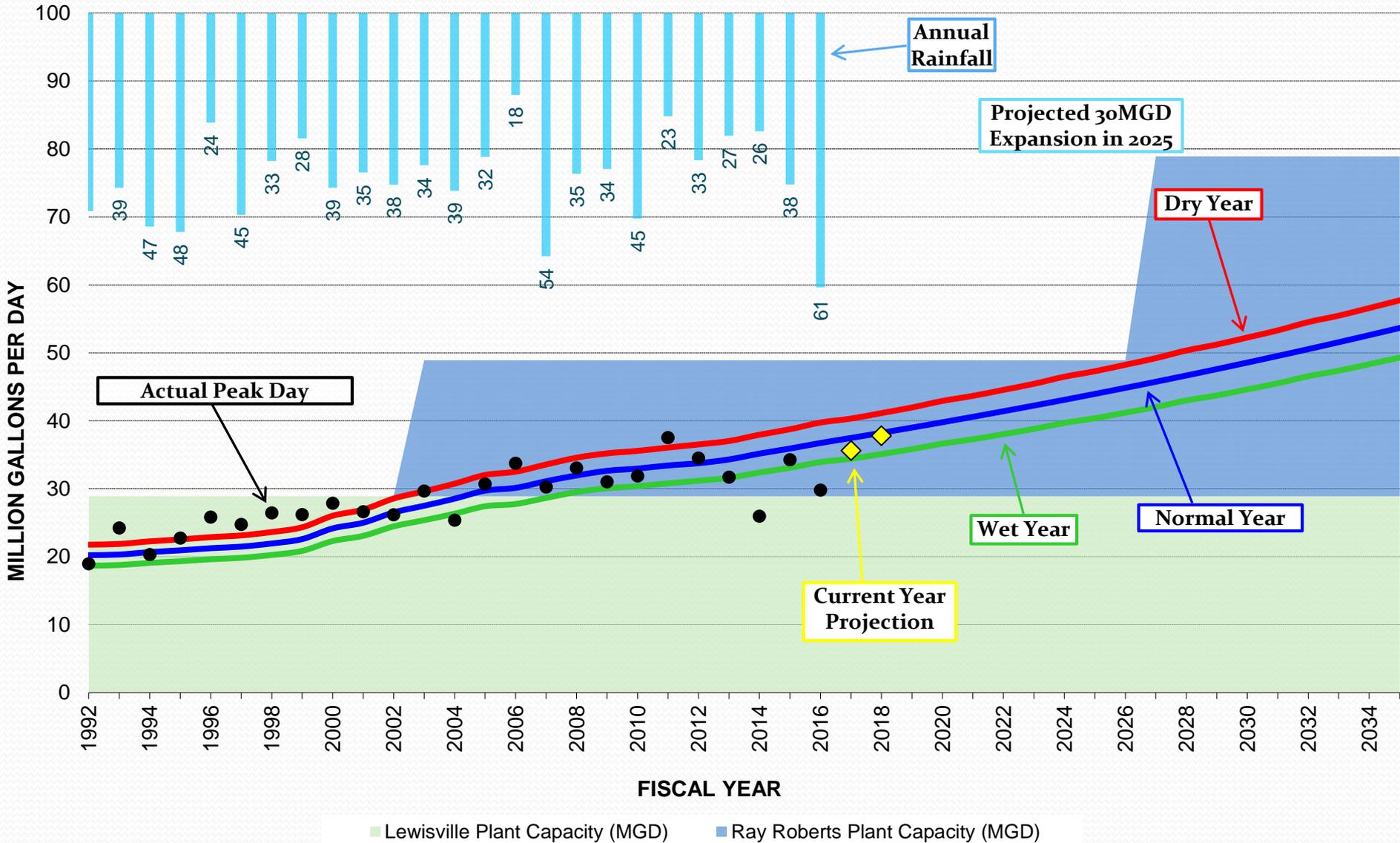
Water Utilities Population Forecast



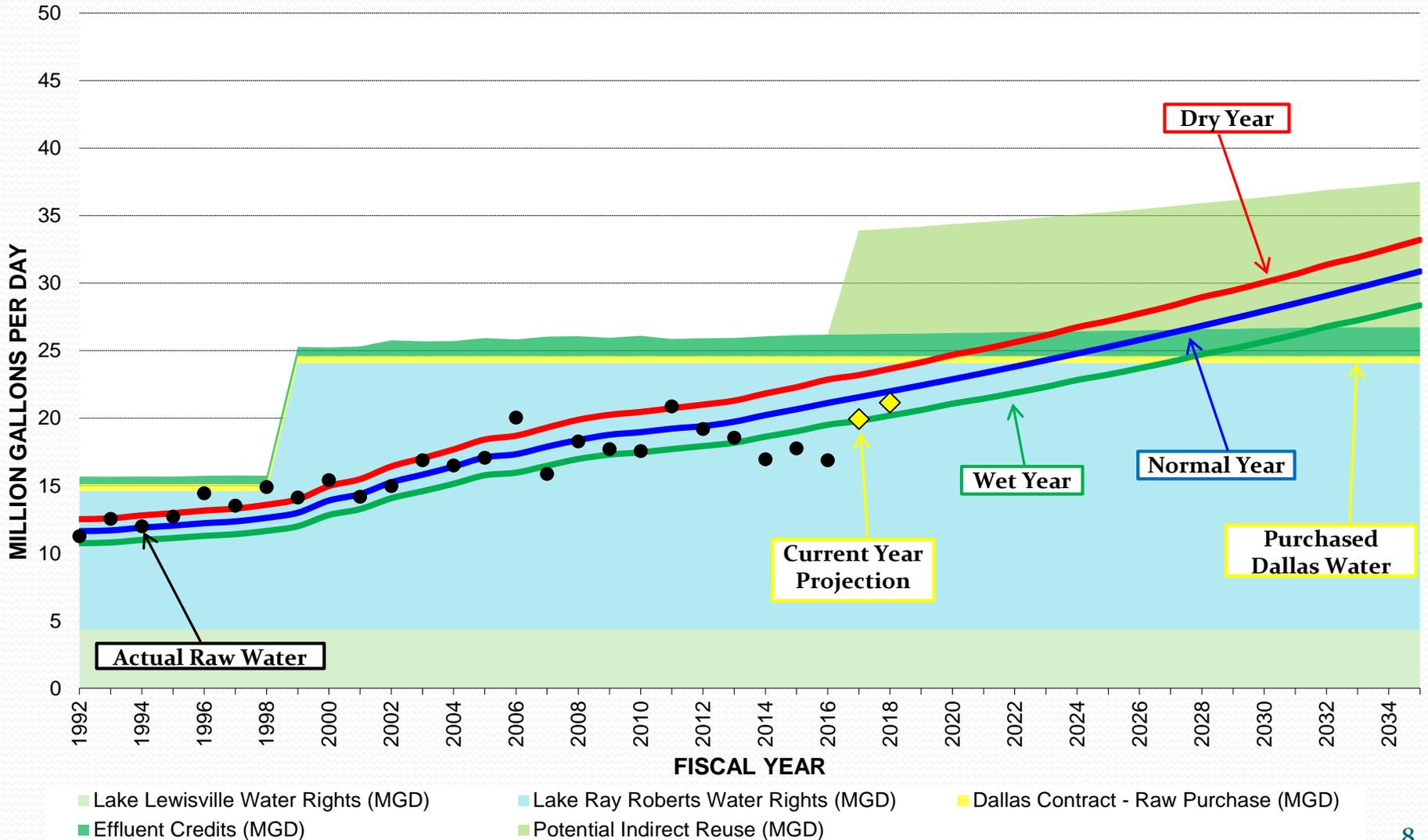
Historical and Projected Water Production



Historical and Projected Peak Day Finished Water Production



Raw Water Rights and Requirements with Indirect Reuse



Reserves

	Water
Working Capital	8%
Operating Reserves	25-42%
Total	33-50%
Operating Days	(120-180 days)

- Working capital (“WC”) provides liquidity for payables and payment cycles. Funds above this level are applied to the operating reserve.
- Operating reserves (“OR”) help managing expense and demand volatility, cover emergencies, and improve overall resiliency. In general, Funds with more stable revenue collection can consider lower OR targets.
- As outlined in the Utilities Financial Strategies, Funds above operating reserves may be used for debt reduction payments, one-time capital expenses, capital funding using cash, or various rate increase mitigation strategies



Questions?