



RMC Monthly Report

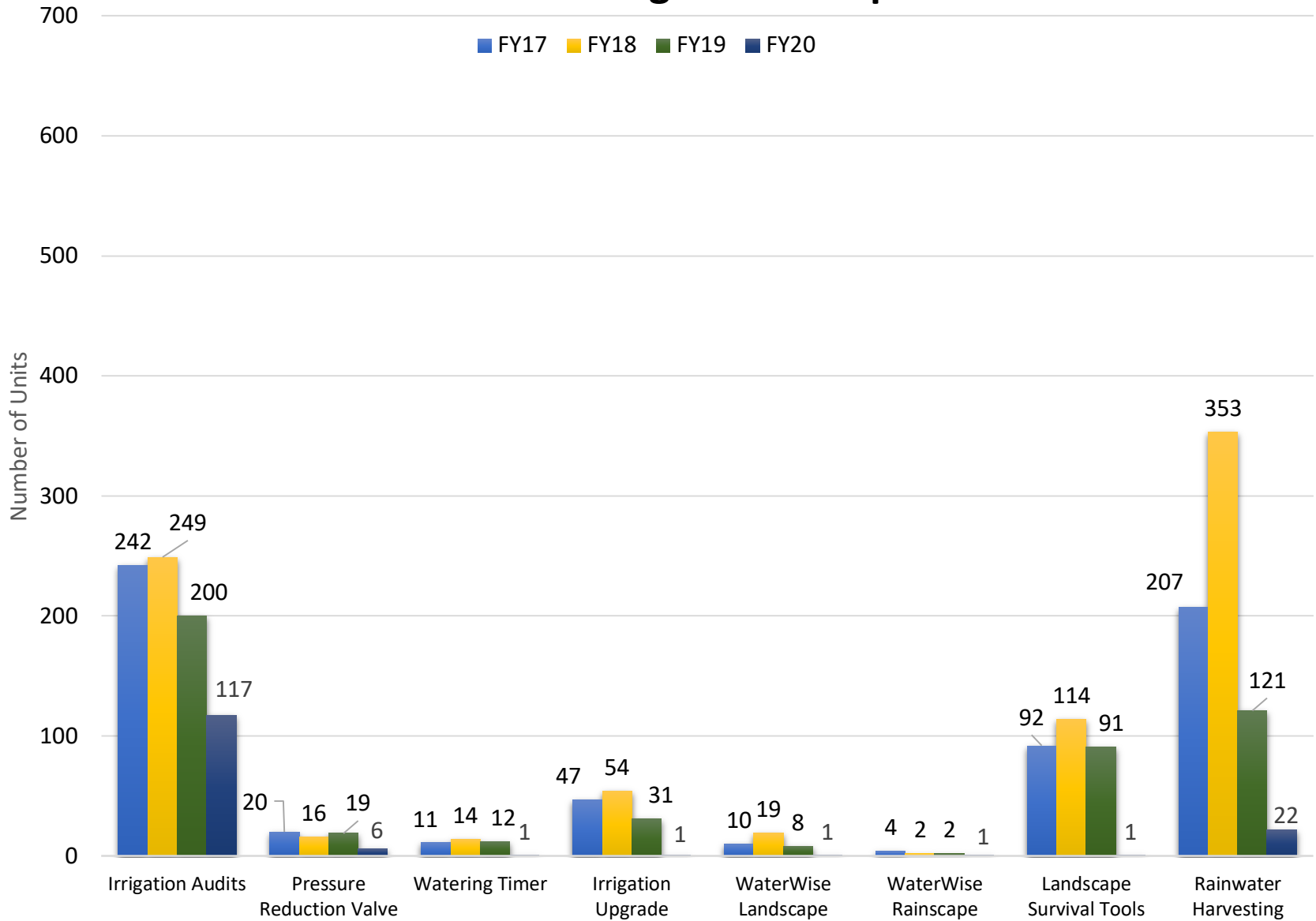
December 2019

FY20

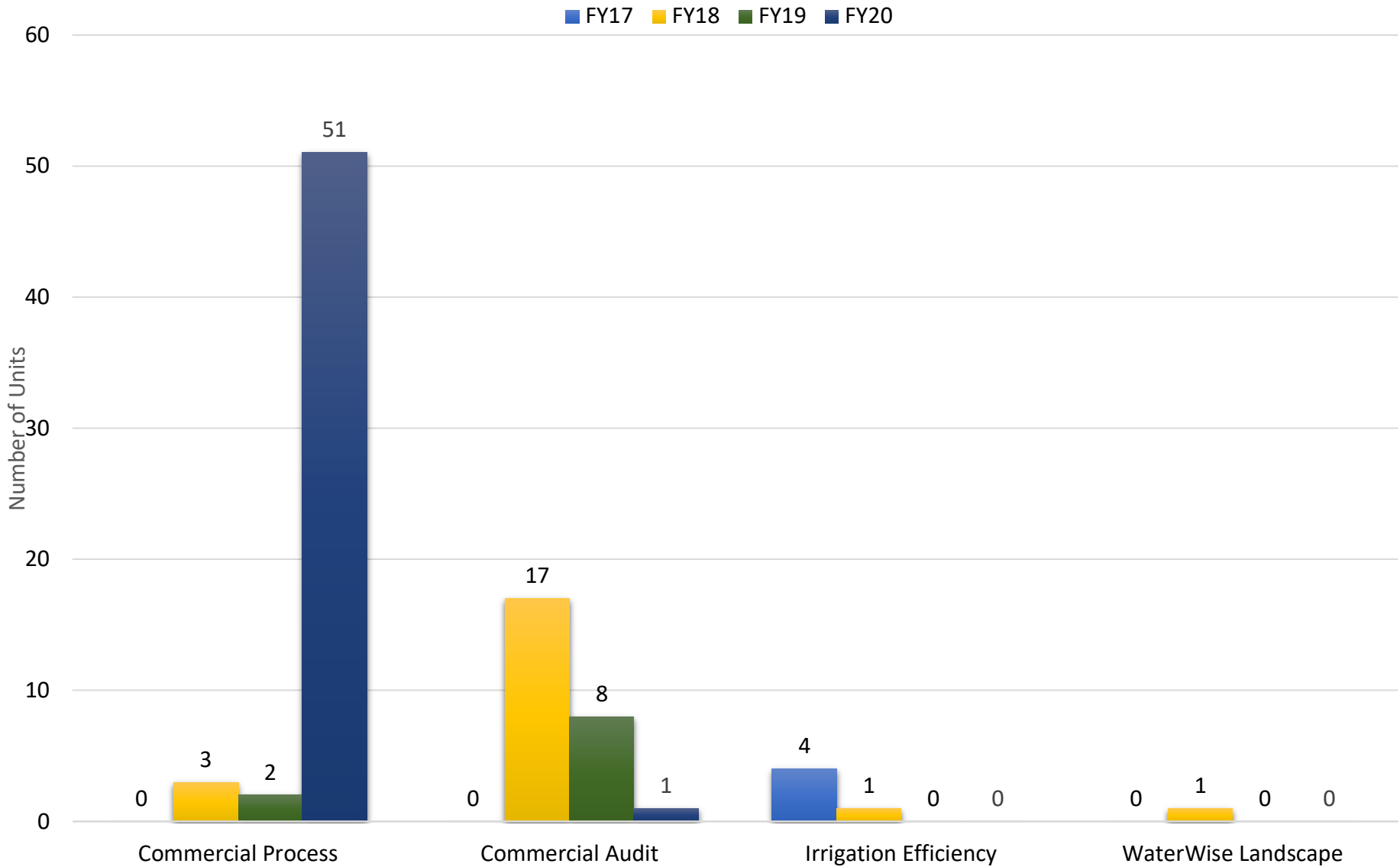
Mark Jordan
Water Conservation Division
City of Austin | Austin Water



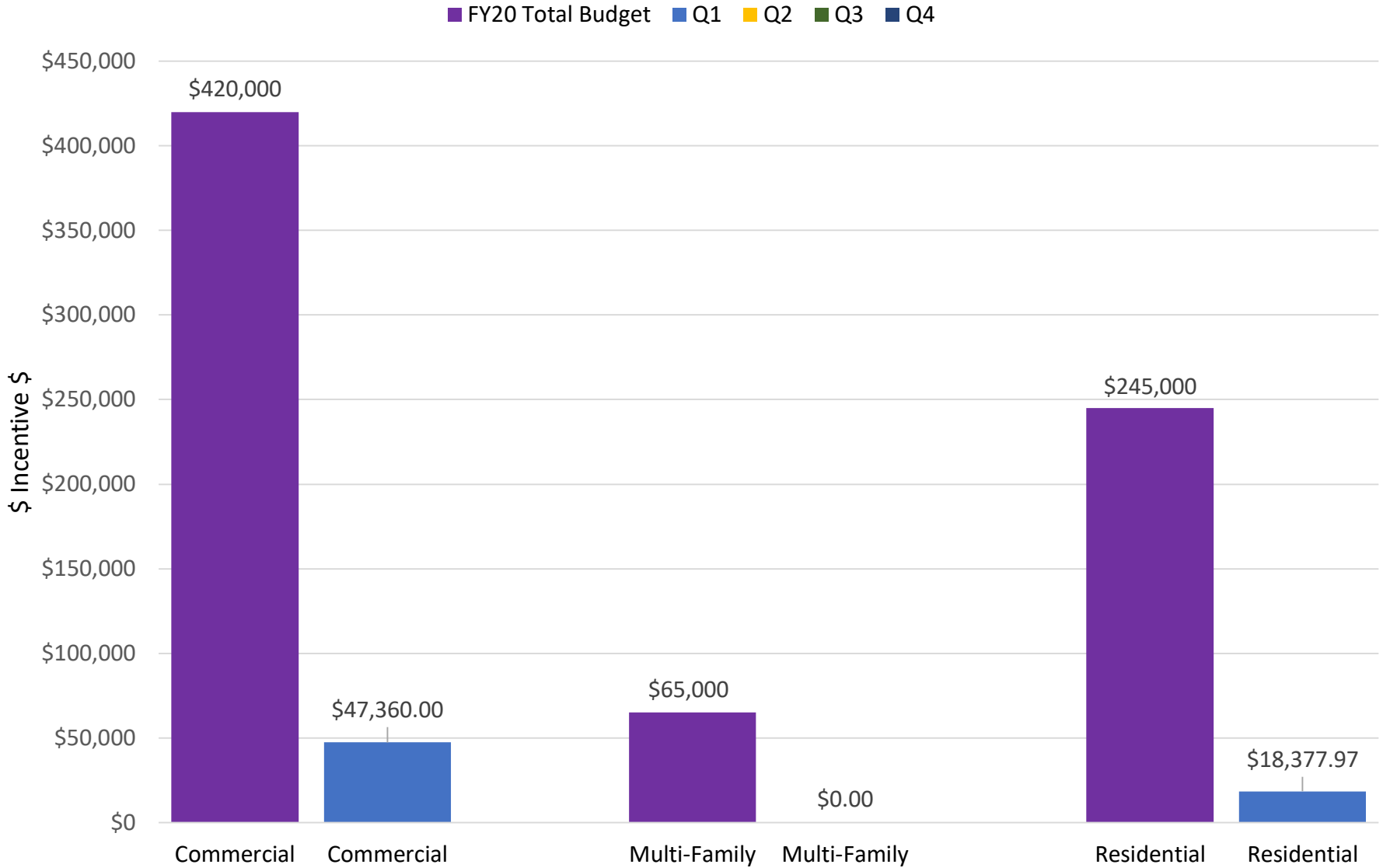
Residential Program Participation



Commercial & Multifamily Program Participation

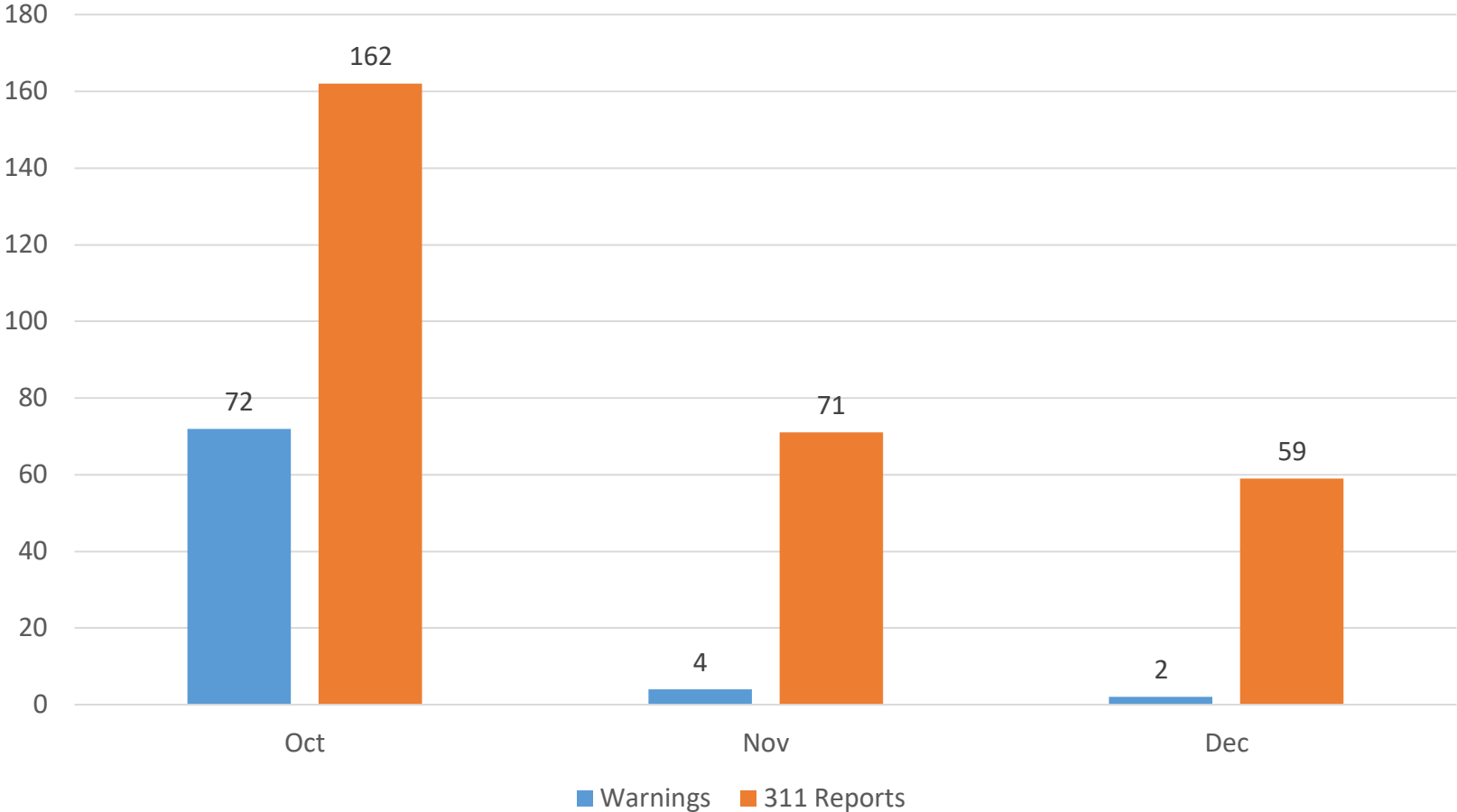


Rebates and Incentives Budget, FY20 YTD



FY20 YTD Water Waste Enforcement Activity

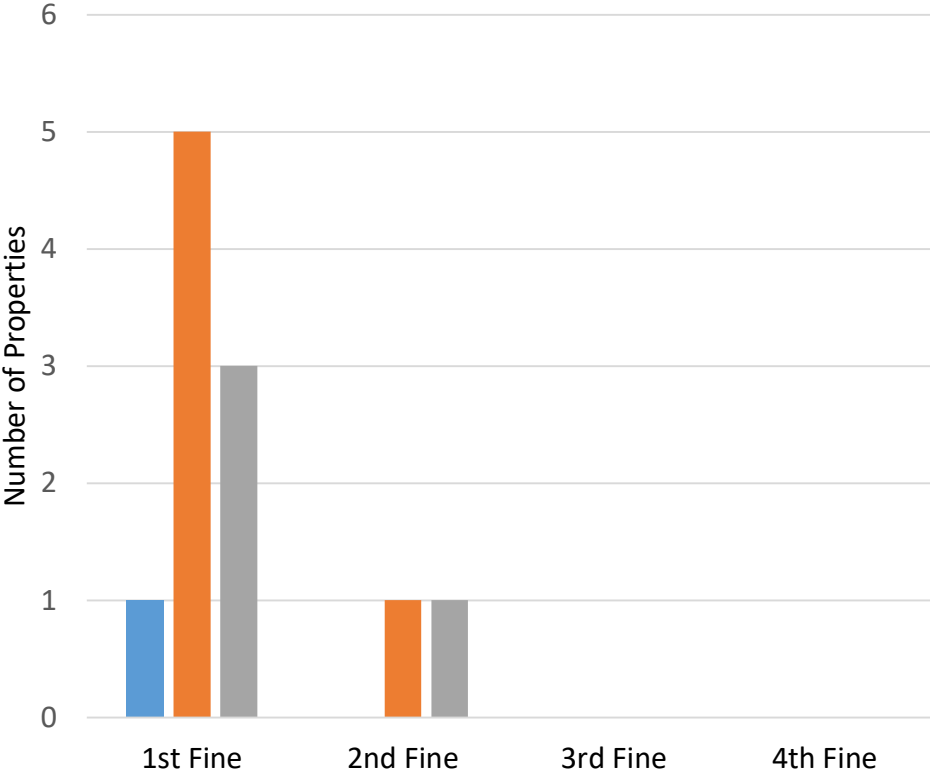
Warnings and 311 Reports



FY20 YTD Water Waste Enforcement Activity

Administrative Fines

■ Residential ■ Commercial ■ Multi-Family

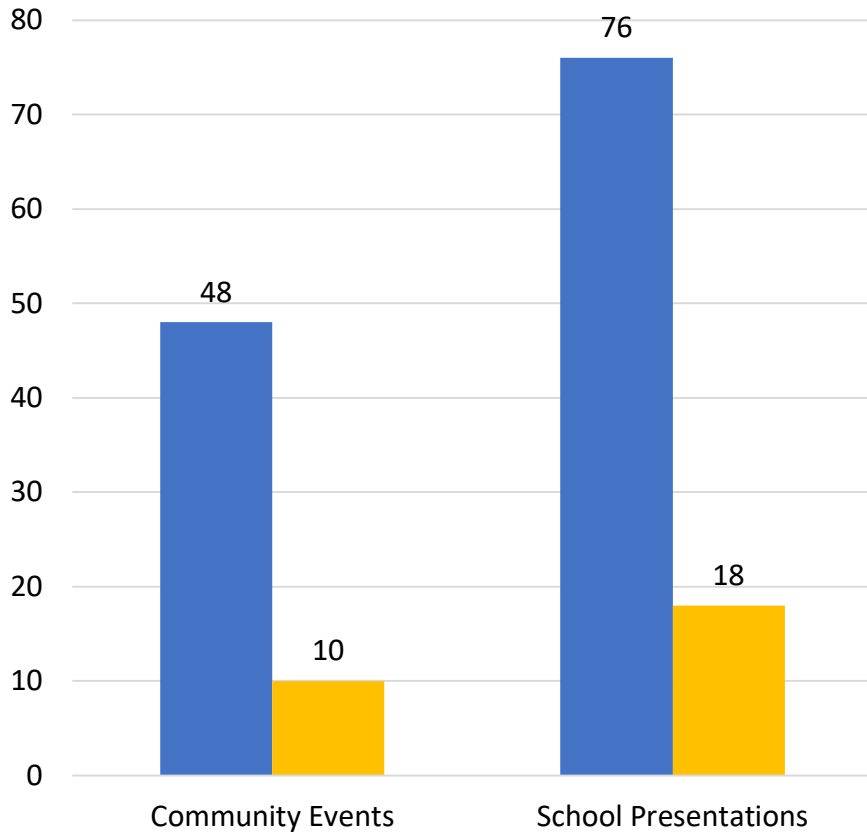


- 11 properties fined
- 0 appeals filed
- 0 appeals overturned

Public Outreach Activity

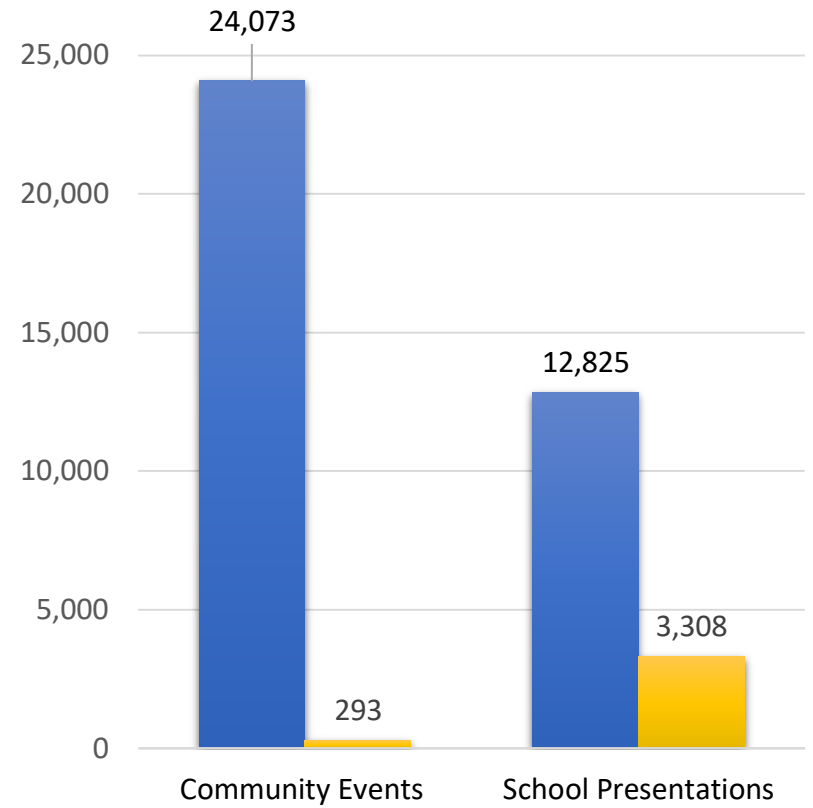
Number of Events

FY19 FY20

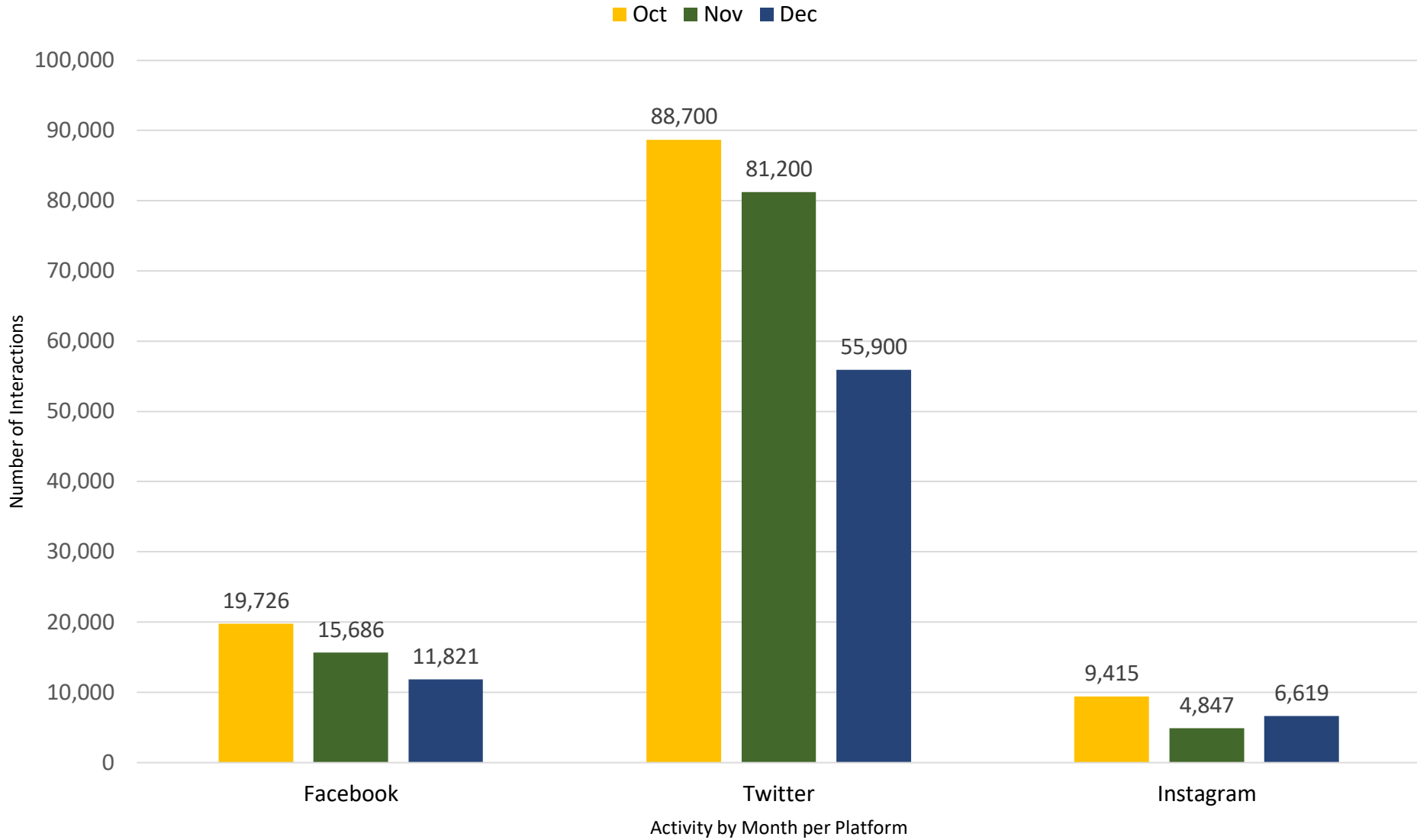


Populations Reached

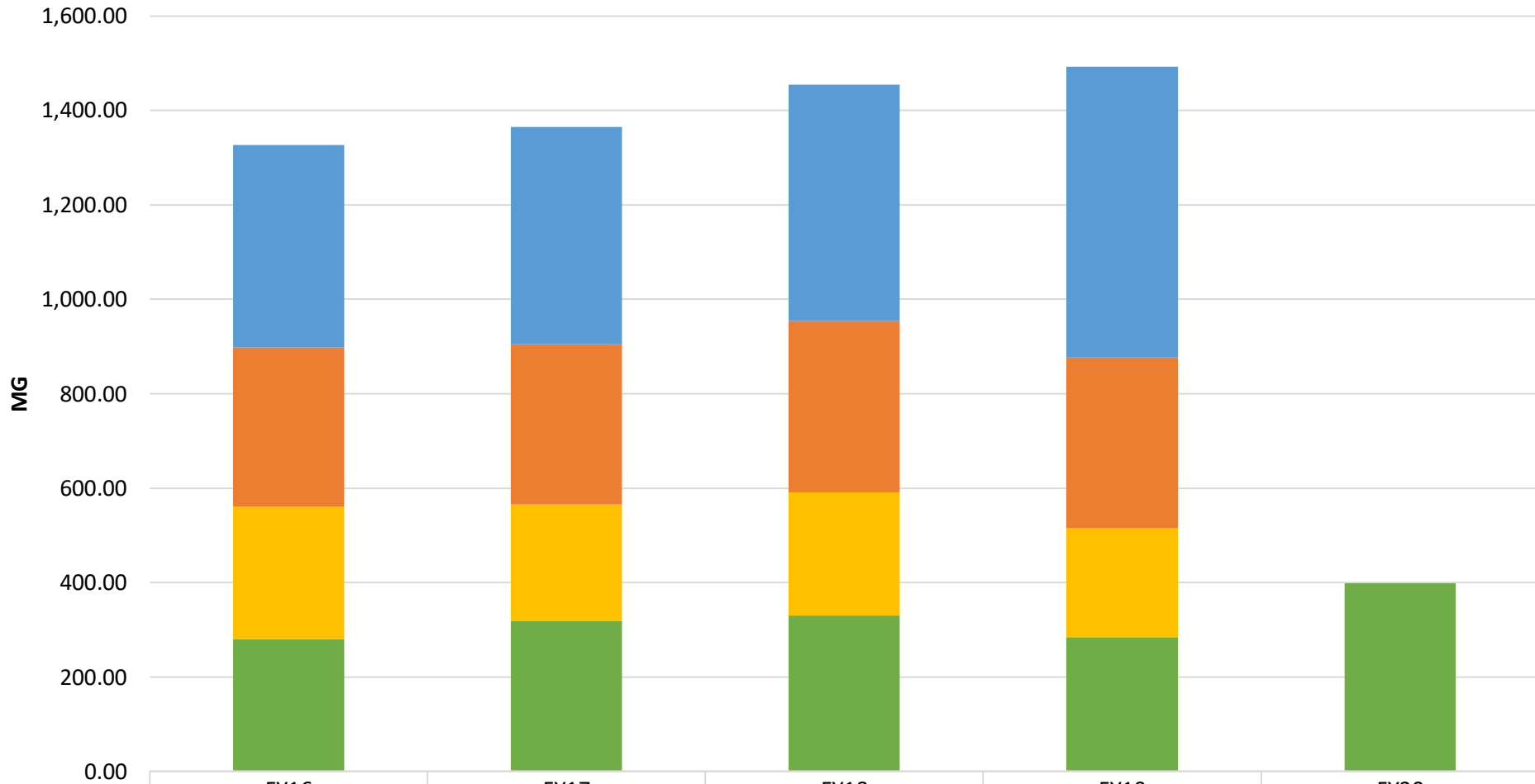
FY19 FY20



Social Media Activity, FY20 YTD

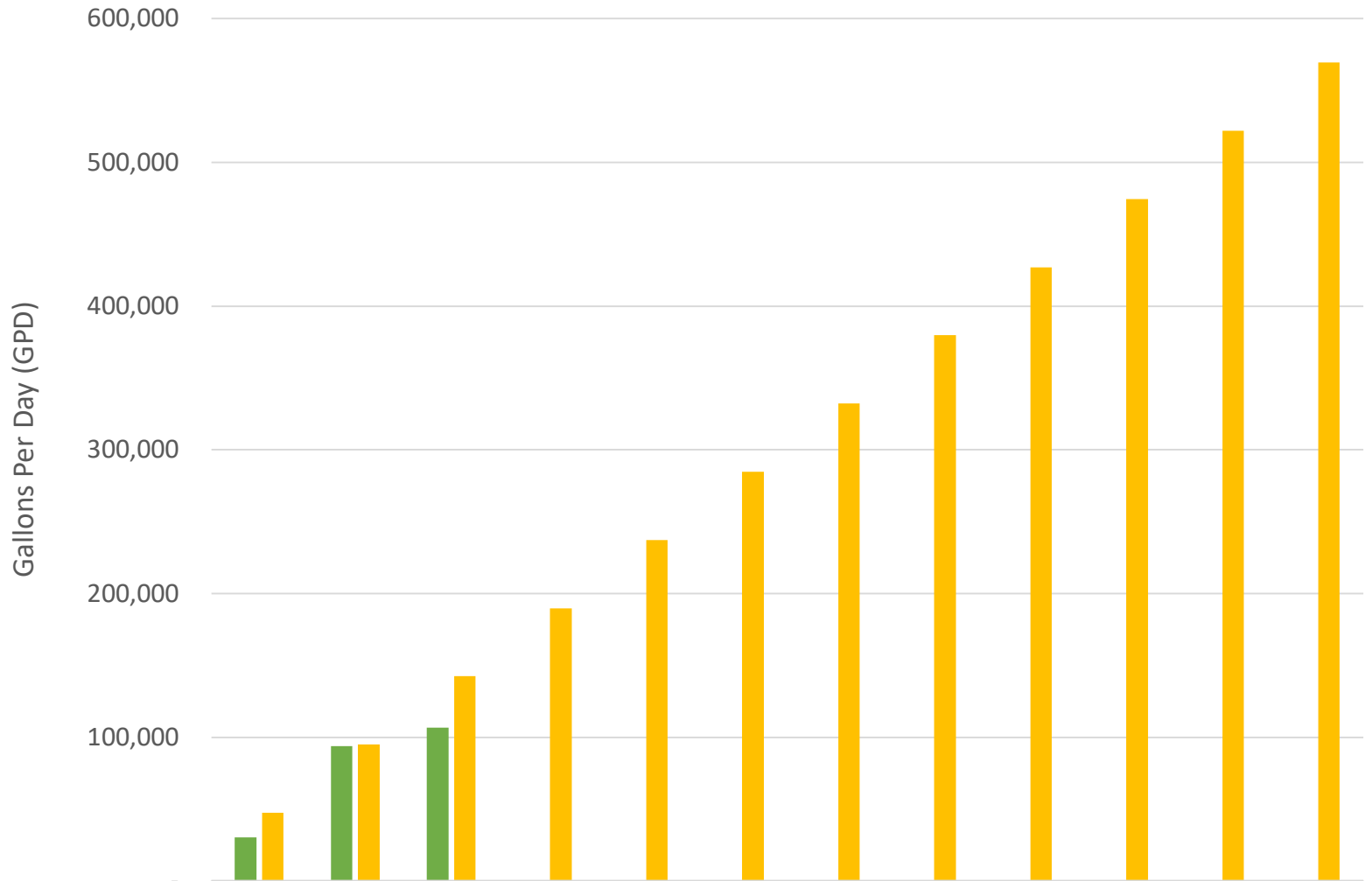


Reclaimed Water



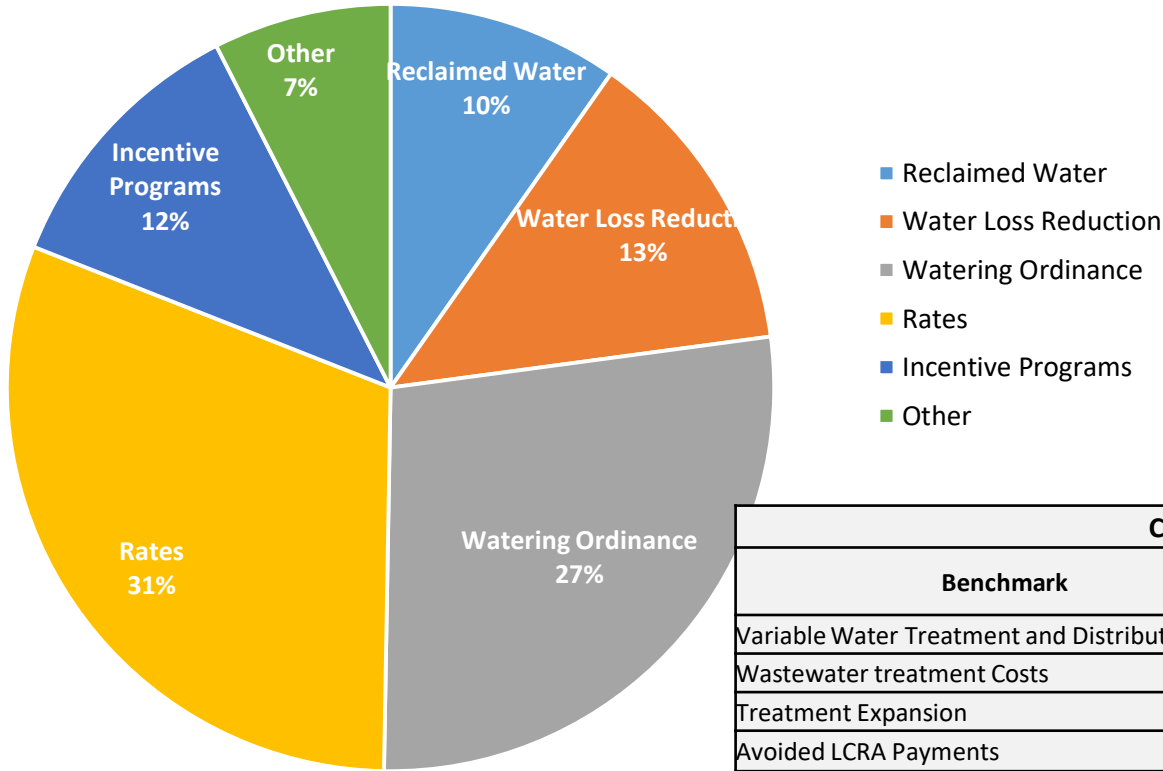
	FY16	FY17	FY18	FY19	FY20
Quarter IV	429.05	460.68	501.02	616.60	
Quarter III	336.04	338.92	362.66	361.47	
Quarter II	281.32	245.93	261.55	230.84	
Quarter I	280.08	319.44	329.80	284.14	398.30

Cumulative Total Peak Water Savings, Gallons Per Day (GPD)



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
■ Total Peak Savings	30,16	93,87	106,6	-	-	-	-	-	-	-	-	-
■ Peak Savings Goal	47,45	94,91	142,3	189,8	237,2	284,7	332,1	379,6	427,1	474,5	522,0	569,4

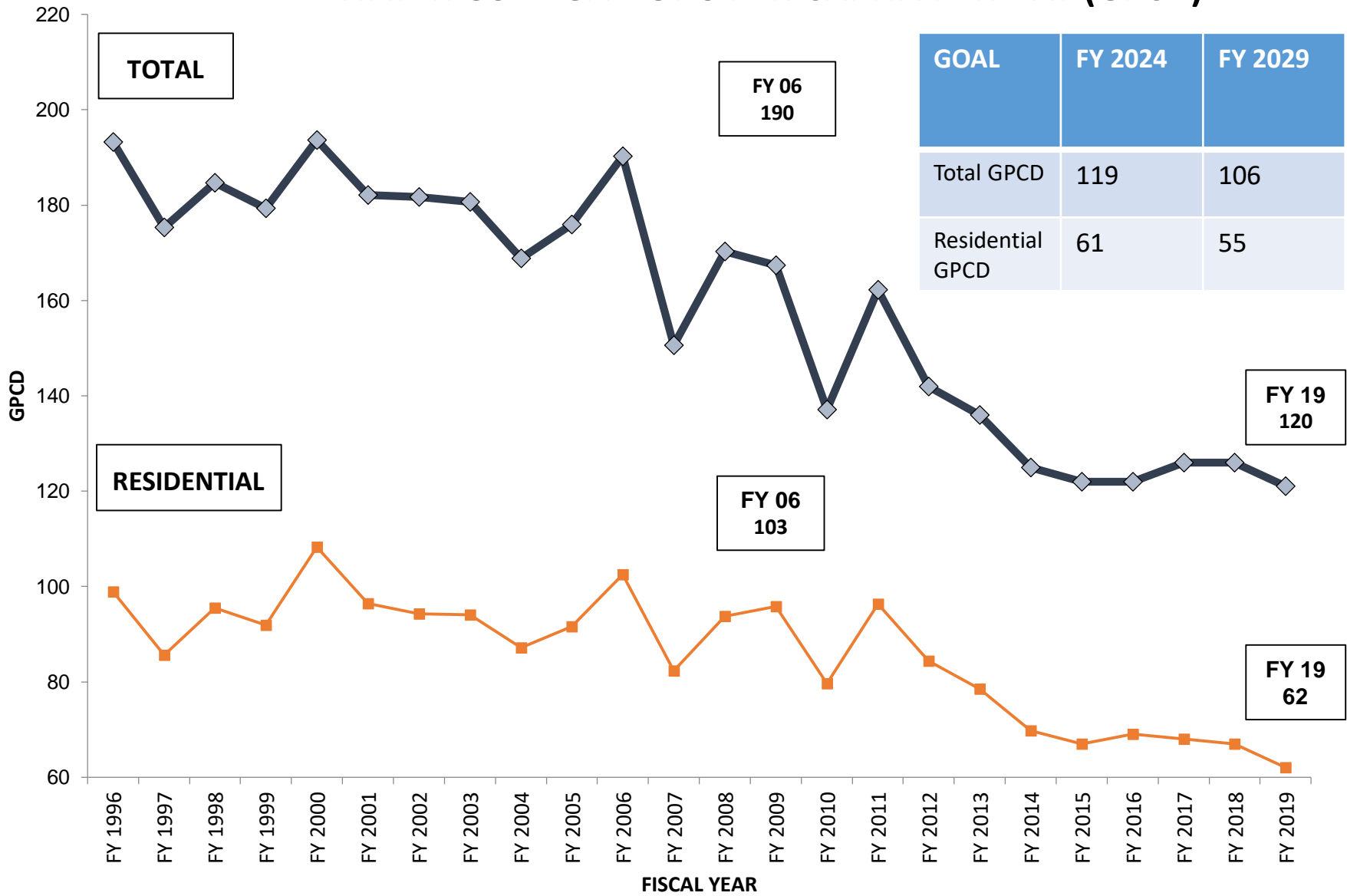
Total Cumulative Water Savings Projected for FY 2020



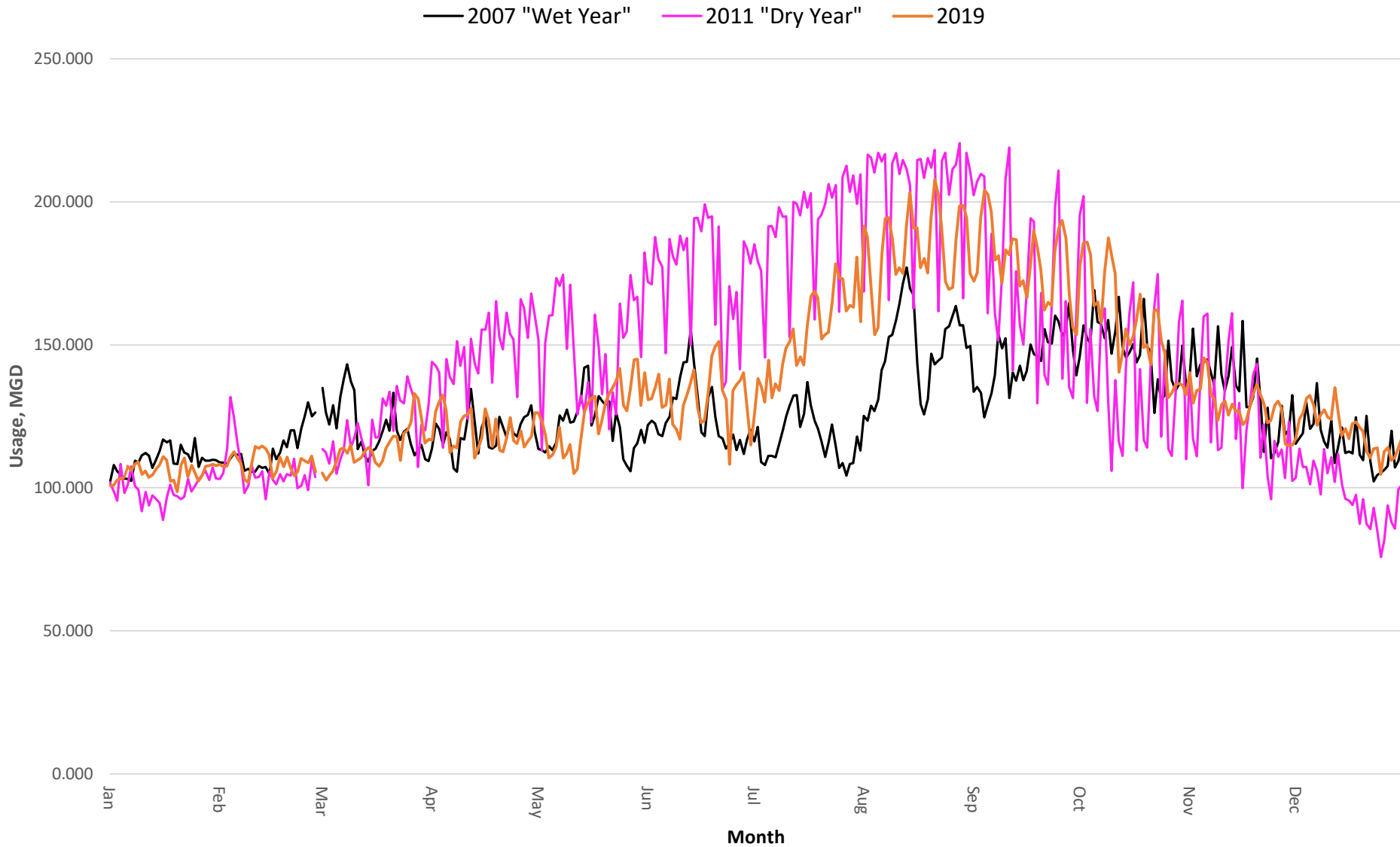
COST BENCHMARKS		
Benchmark	Peak \$/1,000 gallons	Average \$/1,000 gallons
Variable Water Treatment and Distribution Costs	\$0.46	\$0.46
Wastewater treatment Costs	\$0.26	\$0.26
Treatment Expansion	\$3.75	N/A
Avoided LCRA Payments	\$1.12	\$1.12

Activity	Unit	Projected Peak Unit Savings, GPD	Projected Average Unit Savings, GPD	Projected Lifetime of Savings, years	Cost per Unit, if applicable	Program Participation				Peak Reduction, gallons per day		Average Savings, GPCD		Lifetime Savings per Unit, thousand gallons	Cost of Savings		FY19 Rebate Amounts		
						FY19 Goal	FY19 To Date	Prior Year FY18	Prior Year FY18 To Date	Peak Savings Goal FY19	Peak Savings To Date FY19	GPCD FY19 Goal	GPCD To Date FY19		Lifetime, 1000 gallons	Peak, 1 gallon per day	FY19 Budget	FY19 Spent To Date	
Incentives - Indoor																			
Showerheads	1 unit	9.55	9.55	5	\$ 2.46	1,600	20	2,054	188	15,280	191	0.01	0.00	17.43	\$0.14	\$0.26	\$15,000	\$1,511	
Aerators	1 unit	2.31	2.31	5	\$ 0.34	4,800	1,283	11,172	5,681	11,074	2,960	0.01	0.00	4.21	\$0.08	\$0.15	\$11,000	\$3,390	
PRV rebates	1 valve	56.10	25.80	10	\$ 130.00	40	9	16	2	2,244	505	0.00	0.00	94.17	\$1.38	\$2.32	\$10,000	\$900	
Commercial Process Rebates	1 gallon	Variable	Variable	10	\$ 1.00	10	0	3	2	250,000	55,743	0.23	0.05	Variable	Variable	\$1	\$400,000	\$12,600	
Incentives - Outdoor																			
Irrigation audits, SF	1 audit	500.00	100.00	3	\$ 187.50	550	80	249	116	275,000	40,000	0.05	0.01	109.50	\$1.71	\$0.38	\$103,125	\$15,000	
Irrigation rebates, SF	1 rebate	TBD	TBD	variable	\$ 130.00	40	6	54	20	TBD	Variable	TBD	Variable	Variable	\$1.78	\$2.18	\$15,000	\$1,100	
Landscape Survival Tools Rebate, Commercial MF	1 rebate	TBD	TBD	variable	TBD	15	0	1	0	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$50,000	\$0	
Landscape Survival Tools Rebate, SF	1 rebate	TBD	TBD	TBD	TBD	100	1	114	0	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$20,000	\$40	
Waterwise Landscape Rebate, SF	1 rebate	140.7	59.1	10	\$ 525.00	30	1	19	12	4,221	141	0.00	0.00	215.72	\$2.43	\$3.73	\$12,000	\$1,715	
Waterwise Landscape Rebate, MF	1 rebate	TBD	TBD	variable	TBD	10	0	1	0	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$2,000	\$0	
Rainwater harvesting Non-Pressurized Capacity	1 gallon	0.05	0.05	10	\$ 0.62	200,000	8,933	136,294	19,638	10,137	453	0.01	0.00	0.19	\$3.35	\$12.23	\$90,000	\$4,223	
Rainwater harvesting Pressurized Capacity	1 gallon	0.02	0.02	10	\$ 0.50	75,000	32,426	254,759	61,589	1,521	657	0.00	0.00	0.07	\$6.76	\$24.66	\$90,000	\$14,009	
Regulatory																			
Commercial Facility Irrigation Compliant Assessments	1 Compliant Assessment	TBD	TBD	TBD	TBD	5,699	5,560	98%	98%	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$120,000	\$40,000	
Commercial Vehicle Wash Efficiency Compliant Assessments	1 Compliant Assessment	681.82	681.82	10.00	\$ 90.91	216	210	98%	98%	147,273	143,182	0.14	0.13	2,488.64	\$0.13	\$20,000	\$6,667		
																Total	\$818,125	\$54,487	
																% of Goal		6.66%	

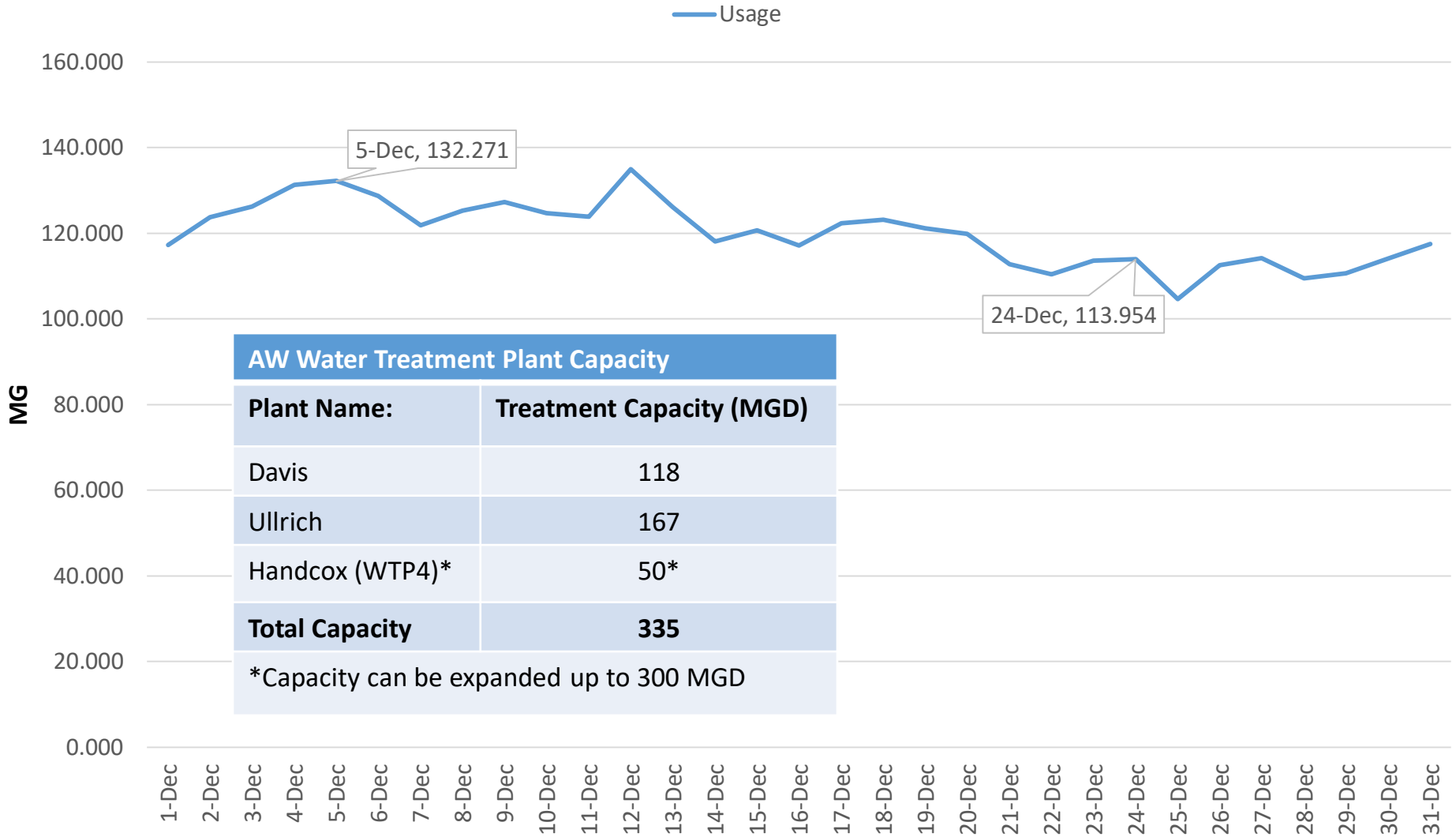
WATER USE - GALLONS PER CAPITA PER DAY (GPCD)



Multi-Year Daily Water Usage



Daily Water Usage December 2019



Lakes Buchanan and Travis Total Combined Storage Projections

City of Austin Drought
Contingency Plan
Drought Response
Stage Triggers:

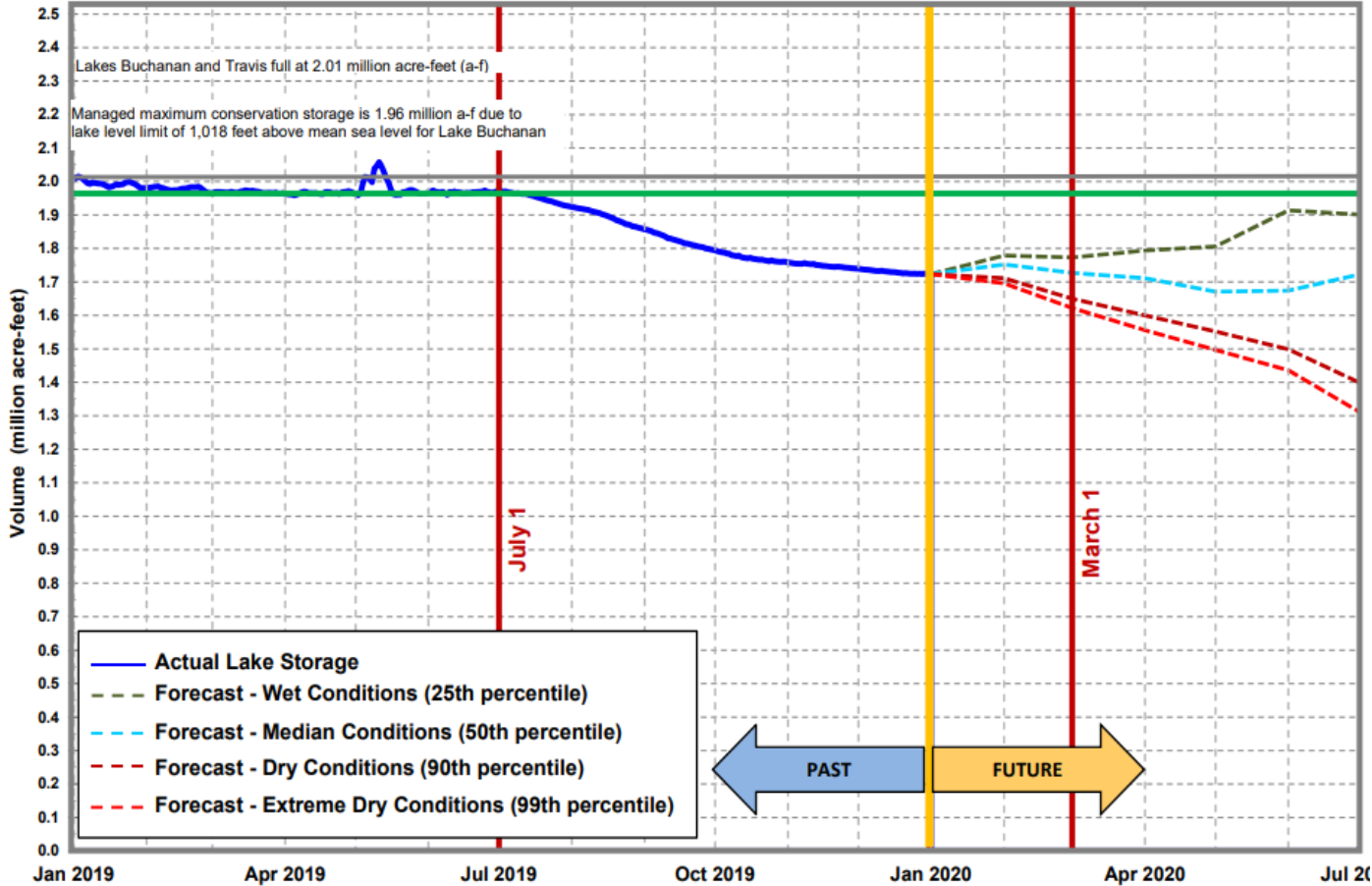
Conservation Stage:
Above 1.4 MAF

Stage I:
1.4 MAF

Stage II:
900,000 AF

Stage III:
600,000 AF

**Emergency
Response
Stage IV:**
Catastrophic event
including prolonged
drought



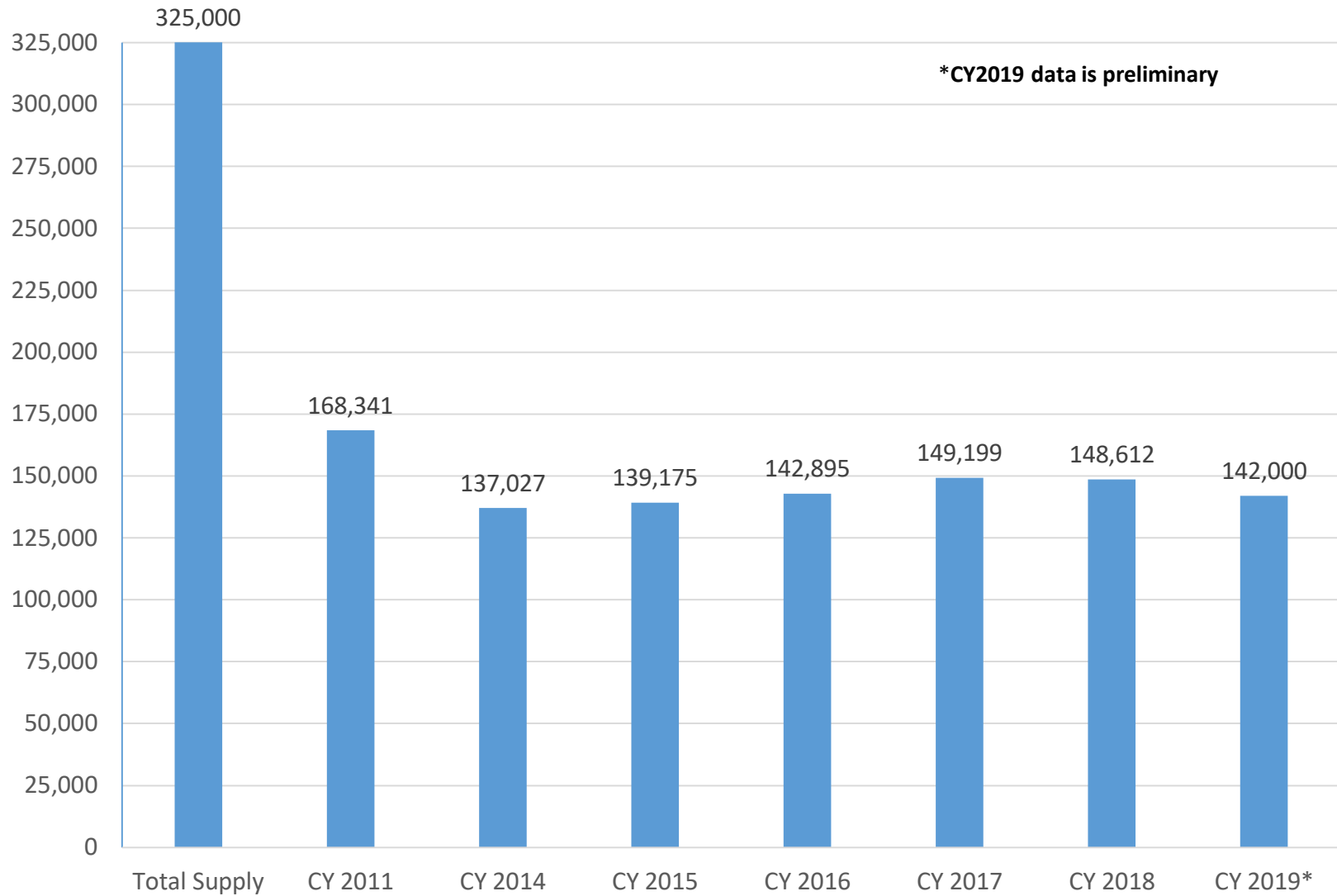
Note: One acre-foot equals 325,851 gallons.

Date: Jan. 1, 2020

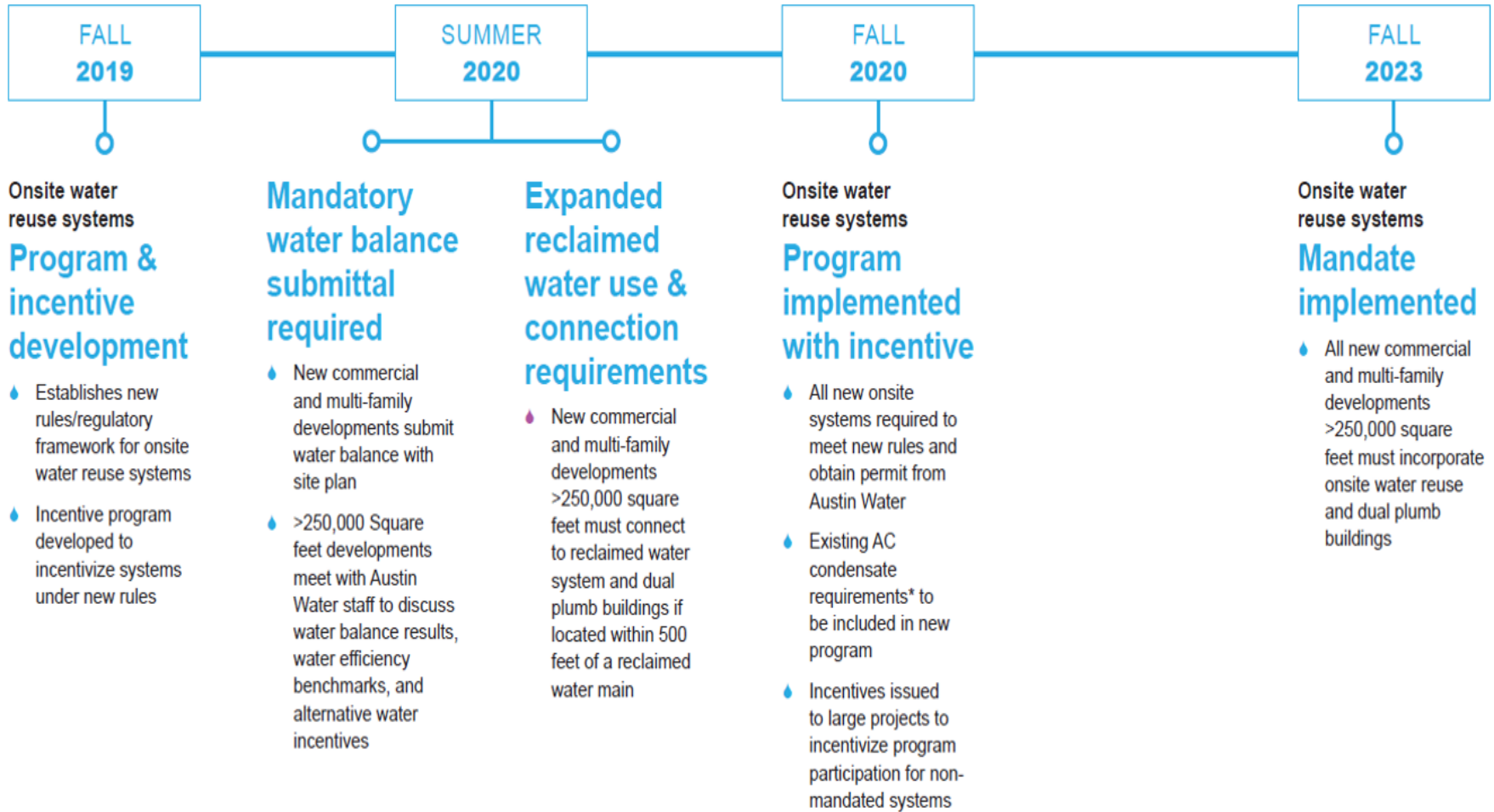
Highland Lakes Storage summary as of December 9, 2019
Combined lake storage: 1.732 million acre feet
Combined reservoir total: 86%



Annual Amount of Water Diverted for Municipal Use (Acre-feet)



Water Forward Ordinances In the Land Development Code



Upcoming Events

- February 15 – Spring application period begins for Landscape Survival Tools Rebate:
 - \$50 for at least 2 cubic yards (54 cubic feet) of compost
 - \$40 for at least 2 cubic yards (54 cubic feet) of mulch
 - \$30 for core aeration service of entire front and/or back lawn
 - Application period ends June 15.



- February 26 – Water Wise Irrigation Professional (WWIP) Seminar:
 - Held at Riverbend Centre, 4214 N. Capital of Texas Hwy
 - Targeted towards licensed irrigators active in the Austin area
 - Presentations focus on water conservation
 - Attendees receive eight CEU hours





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