

Water Conservation Program Overview

Kevin Kluge, Water Conservation Division Manager



Outline

1. **Division Overview**
2. **Conservation Programs**
3. **Recent Activities**
4. **Looking Forward**

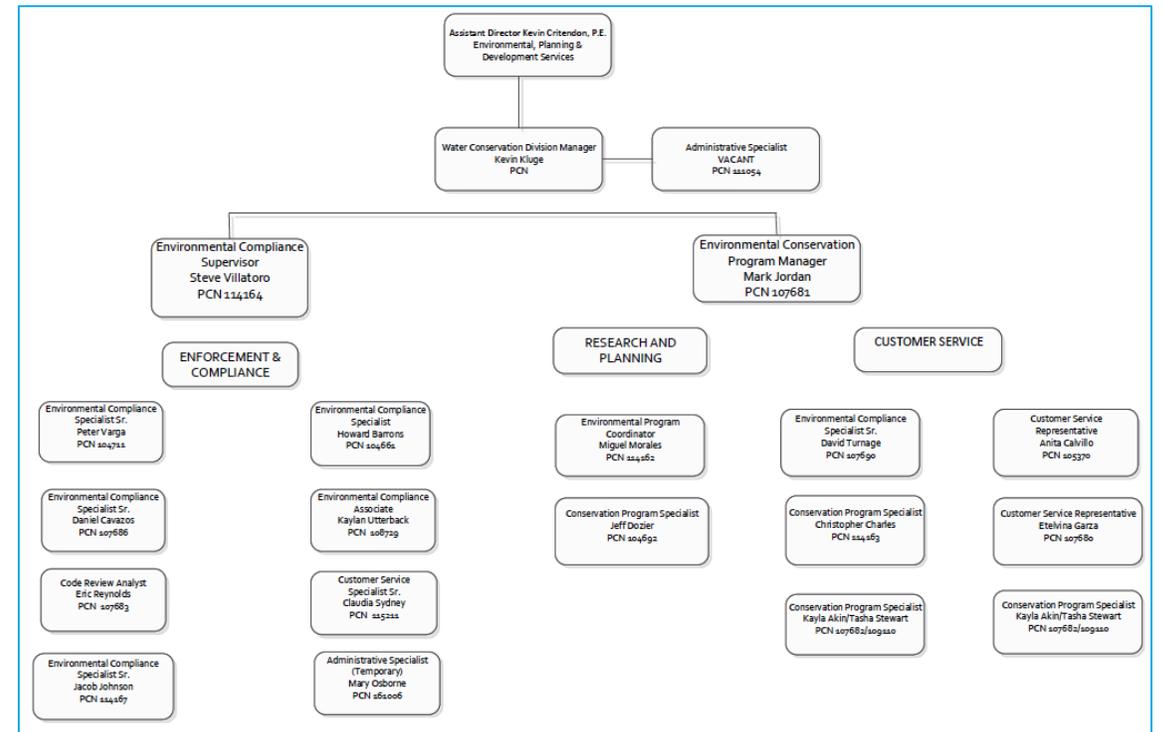


1. Division Overview

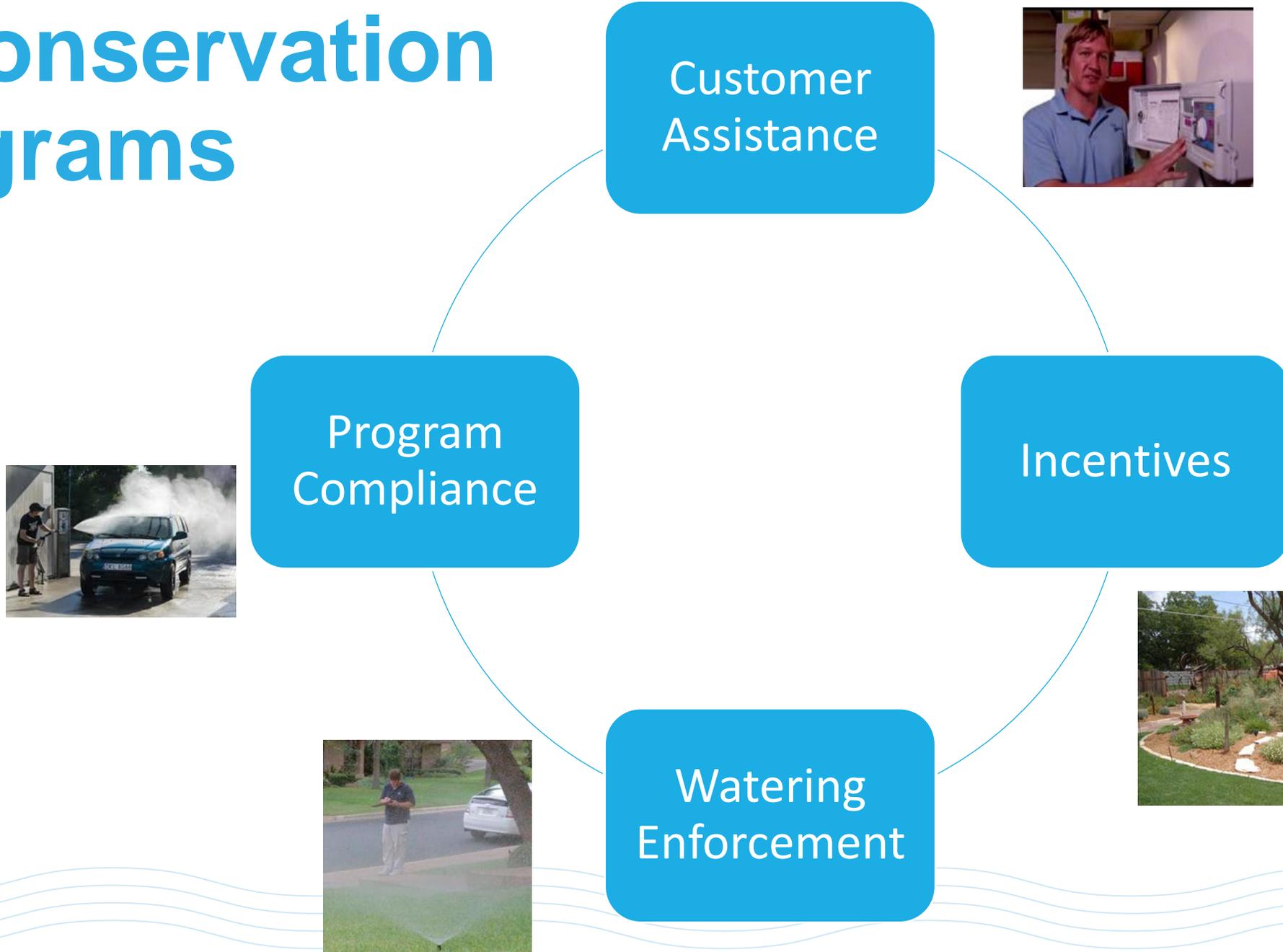
💧 Conservation Teams

- Customer Service Team – 6 staff members
- Research & Planning Team – 2 staff members
- Enforcement & Compliance Team – 8 staff (+ 1 temp)

💧 Related Activities & Teams



2. Conservation Programs



Customer Assistance

- Respond to inquiries
- Provide materials
- Irrigation audits for high-use customers
- Limited-income customer assistance program
- Public presentations



Incentives - Residential



- Irrigation Upgrade
- Landscape Survival Tools
- Water Wise Landscape
- Water Wise Raincape
- Watering Timer
- Pool Cover
- Cartridge Pool Filter
- Pressure Regulating Valve
- Rainwater Harvesting
- Laundry to Landscape
- Home Water Use Monitoring Device (pilot completed)



Incentives – Commercial



- ◆ Irrigation System Improvement
- ◆ Water Wise Rainscape (HOAs and schools)
- ◆ Pressure Regulating Valve
- ◆ Cartridge Pool Filter
- ◆ Bucks for Business
- ◆ Commercial Kitchen
- ◆ Water Efficiency Audit
- ◆ Rainwater Harvesting
- ◆ Alternative Onsite Reuse

Watering / Water Waste Enforcement

- 1x week automated irrigation
- Patrols in marked vehicles
- Early Morning (4 am – 8 am)
and Night (7 pm – 11 pm)



Program Compliance Monitoring



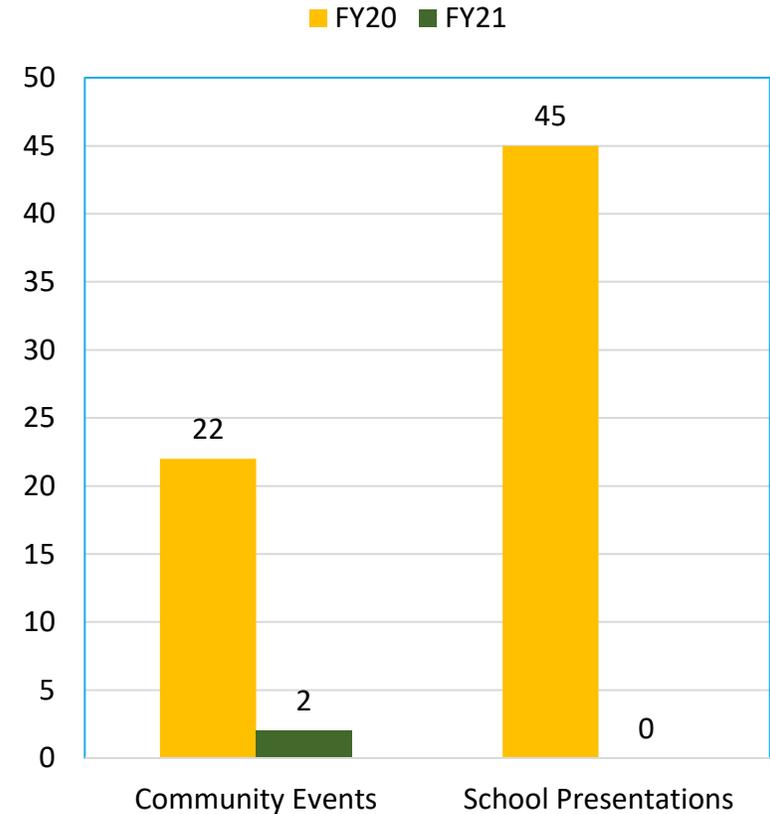
- Car wash efficiency
- Commercial irrigation
- Cooling tower efficiency

3. Recent Activities

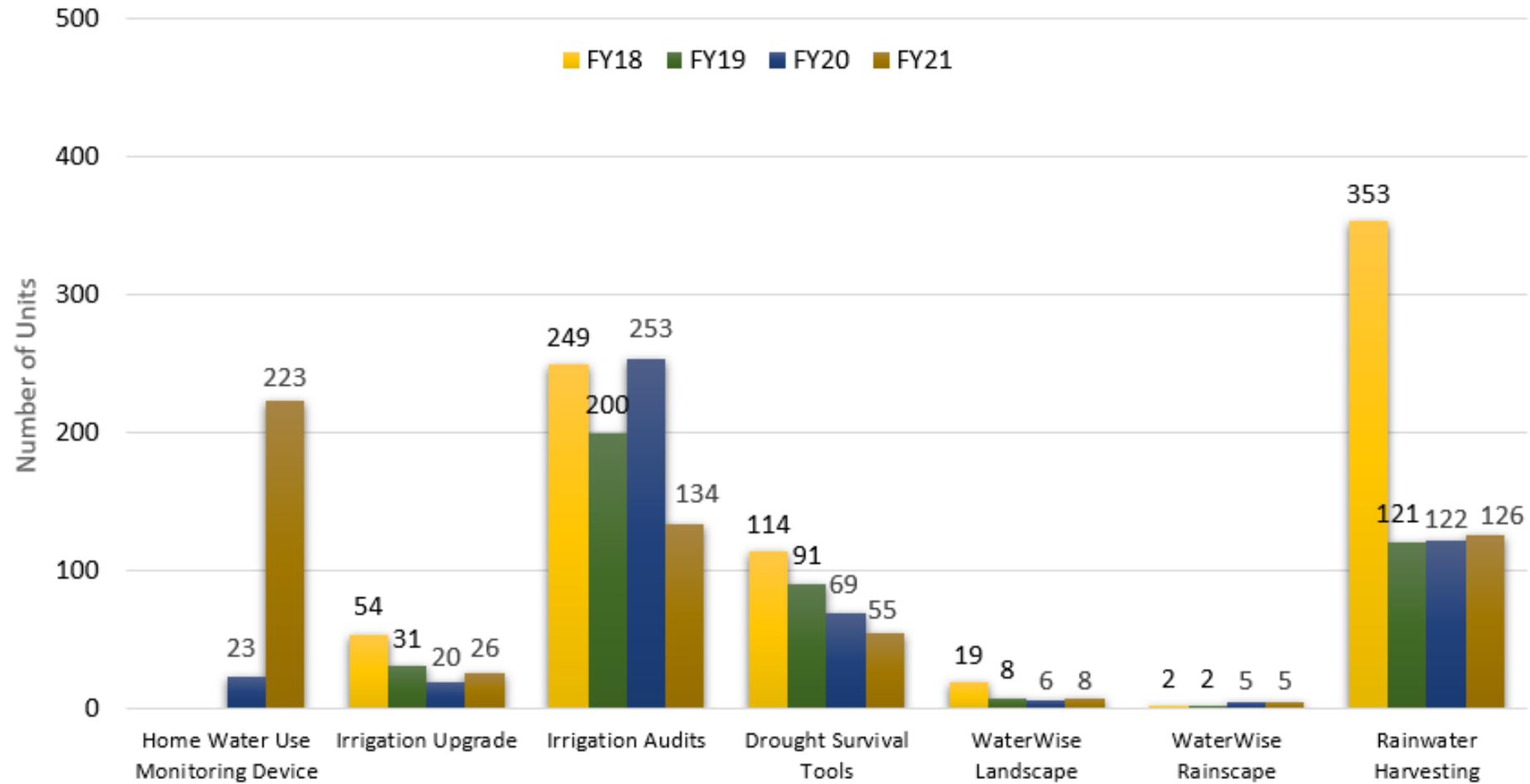
SUMMARY

- Outreach activities have been challenging
- Incentive programs holding steady or declining
- Mandatory programs require compliance

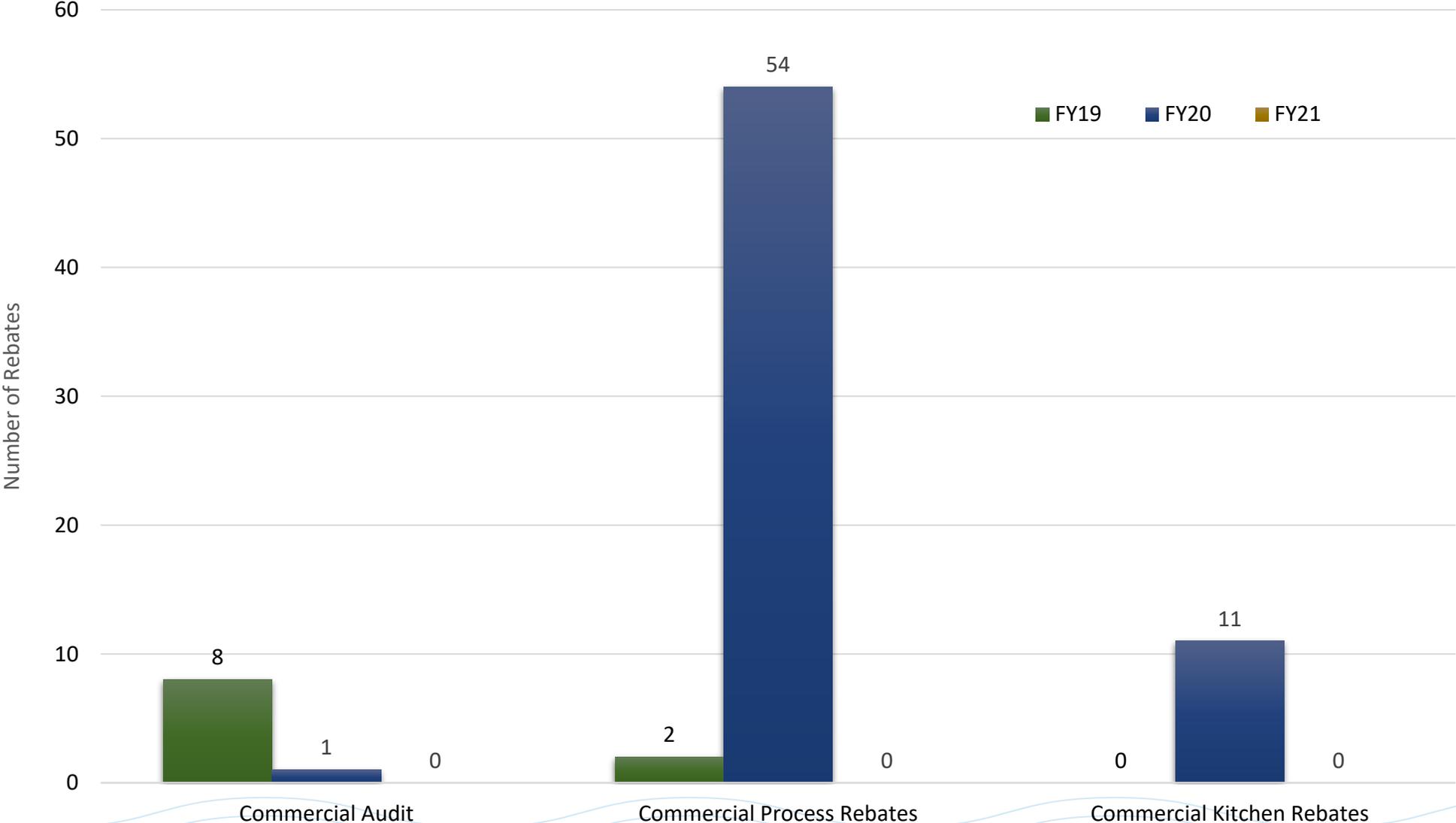
Number of Events



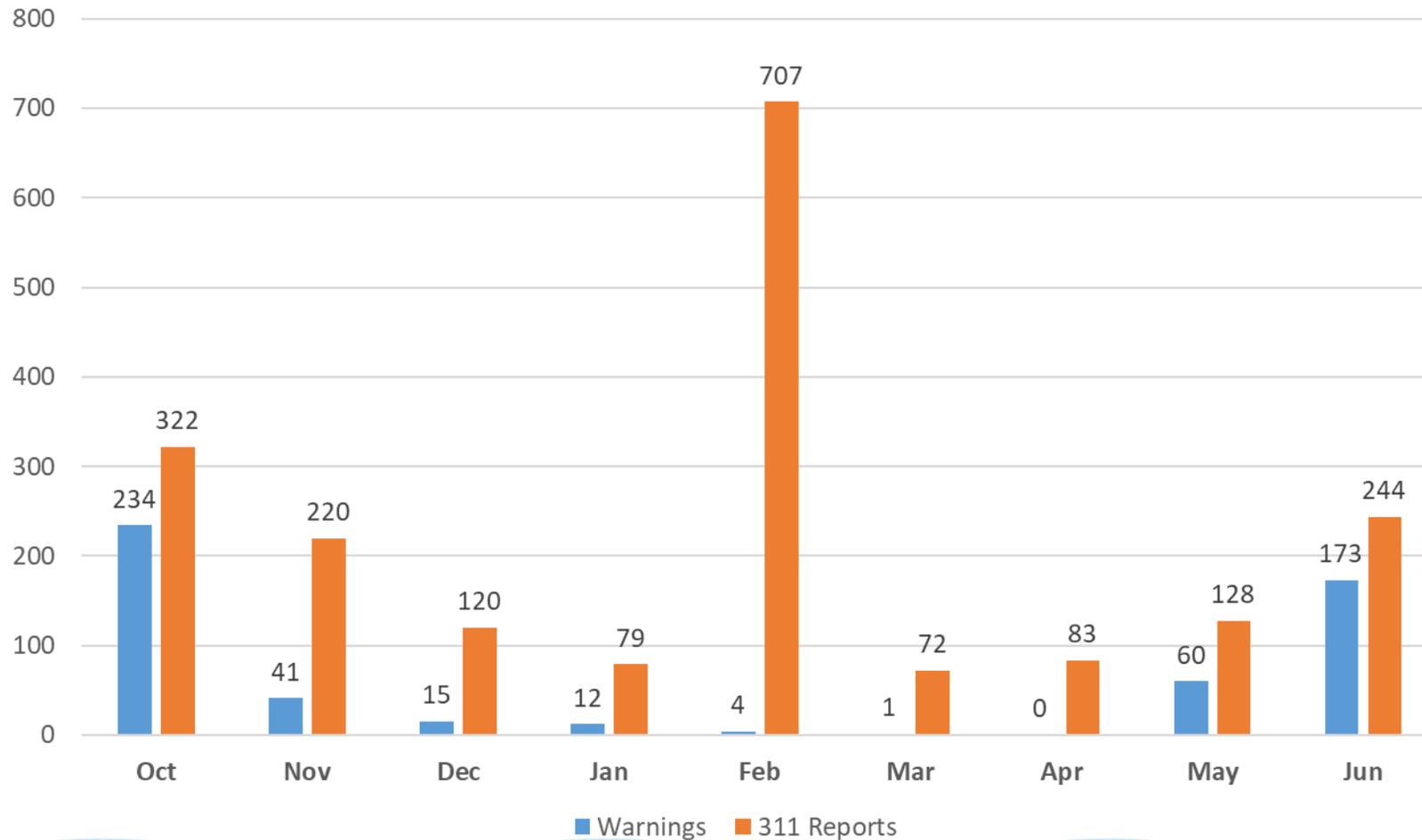
Residential Incentives



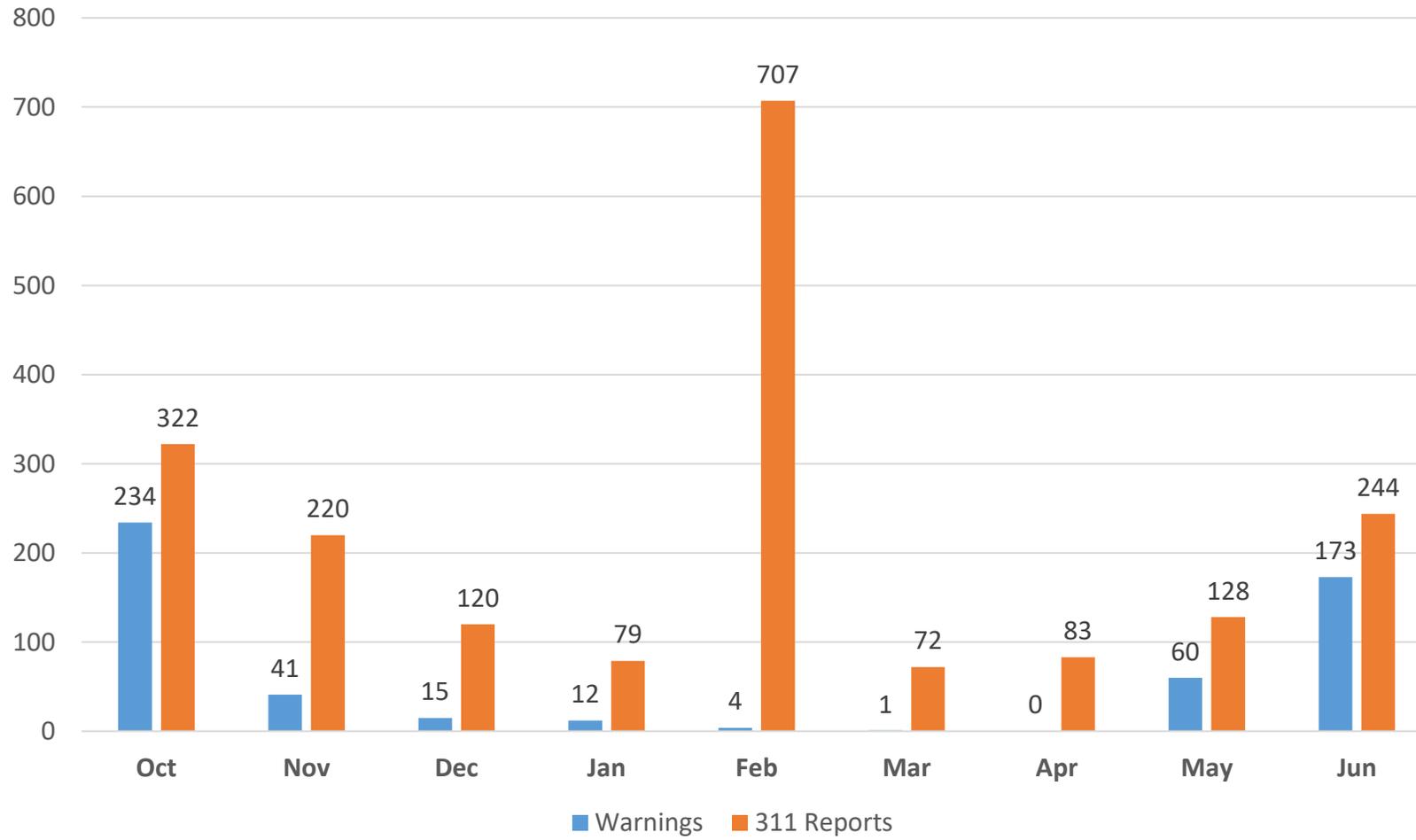
Commercial Incentives



Watering / Water Waste Enforcement: Warnings and 311 Reports



Program Monitoring Compliance

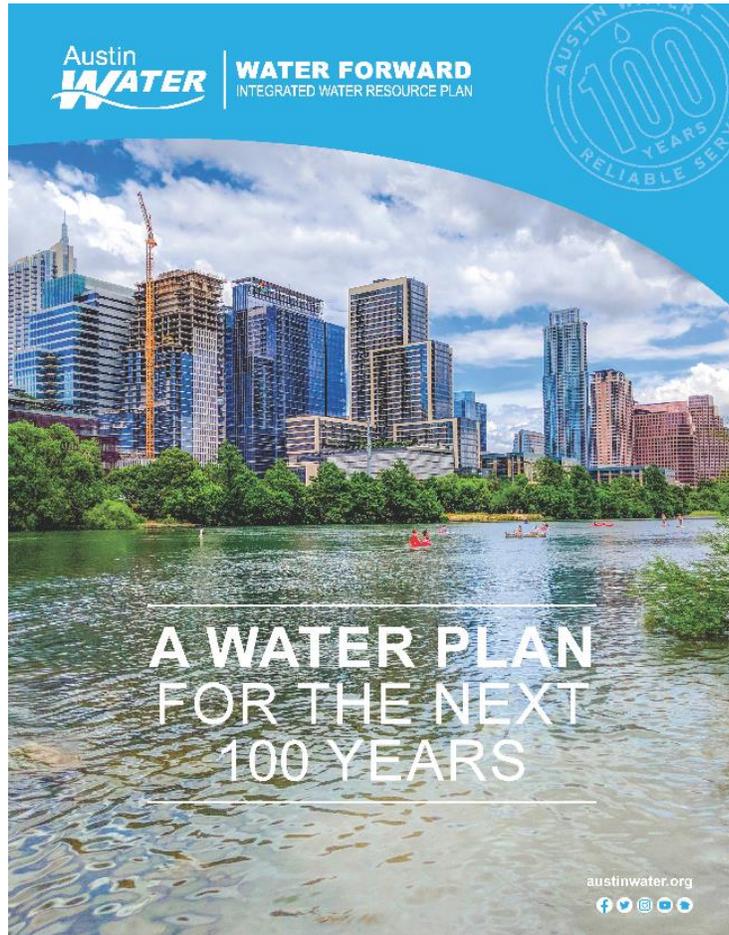


Water Forward 2018 Progress

Option #/ Type	Recommended Strategies	Average/ Drought	Estimated Yield (Acre Feet per Year) ¹			
			2020	2040	2070	2115
Demand Management Strategies						
D1	Advanced Metering Infrastructure (AMI)	Both	600	3,880	5,770	9,370
D2	Utility Side Water Loss Control	Both	3,110	9,330	10,918	13,060
D3	Commercial, Industrial, and Institutional (CII) Ordinances	Both	1,060	1,060	1,060	1,060
D4	Water Use Benchmarking and Budgeting	Both	-	5,950	11,670	25,230
D5	Landscape Transformation Ordinance	Both	-	3,040	7,430	15,050
D6	Landscape Transformation Incentive	Both	-	320	630	930
D7	Irrigation Efficiency Incentive	Both	40	210	430	390
D8	Lot Scale Stormwater Harvesting	Both	-	330	870	2,280
D9	Lot Scale Rainwater Harvesting	Both	-	1,550	4,030	9,250
D10	Lot Scale Graywater Harvesting	Both	-	2,130	5,620	12,670
D11	Lot/Building Scale Wastewater Reuse	Both	-	1,320	3,670	7,880
D12	Air Conditioning (AC) Condensate Reuse	Both	100	1,080	2,710	5,150
	Demand Management Strategies Sub-Total	-	4,910	30,200	54,810	102,320



Water Forward 2018 Progress



- Residential / Multi-Family
 - Increased rebate amounts
 - Added new programs
- Commercial / Institutional
 - Incentives increased and expanded
- Ordinances
 - Cooling Towers

4. Looking Forward

- Review of programs and savings
- AMI coordination
- Irrigation efficiency incentives
- Landscape Transformation Ordinance



Thank You

Kevin Kluge

Water Conservation Division

