

Advancing Solutions for Water Scarcity

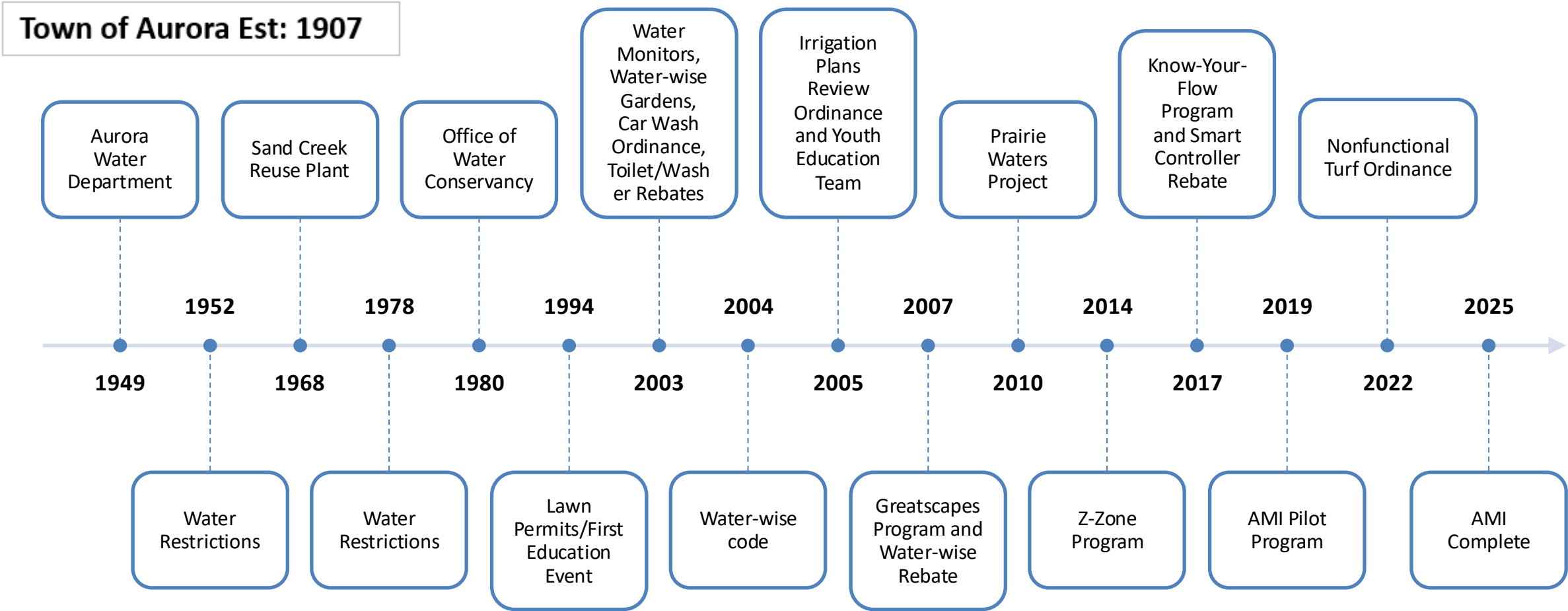


Alexandra L. Davis
Aurora Water Assistant General Manager
Water Supply and Demand

Captured On: Fri Aug 12, 2022 10:00 AM CRWUA 2025



Water Conservation History



**AURORA
WATER**

Potable Reuse - Prairie Waters

Planned and developed after the 2002 drought

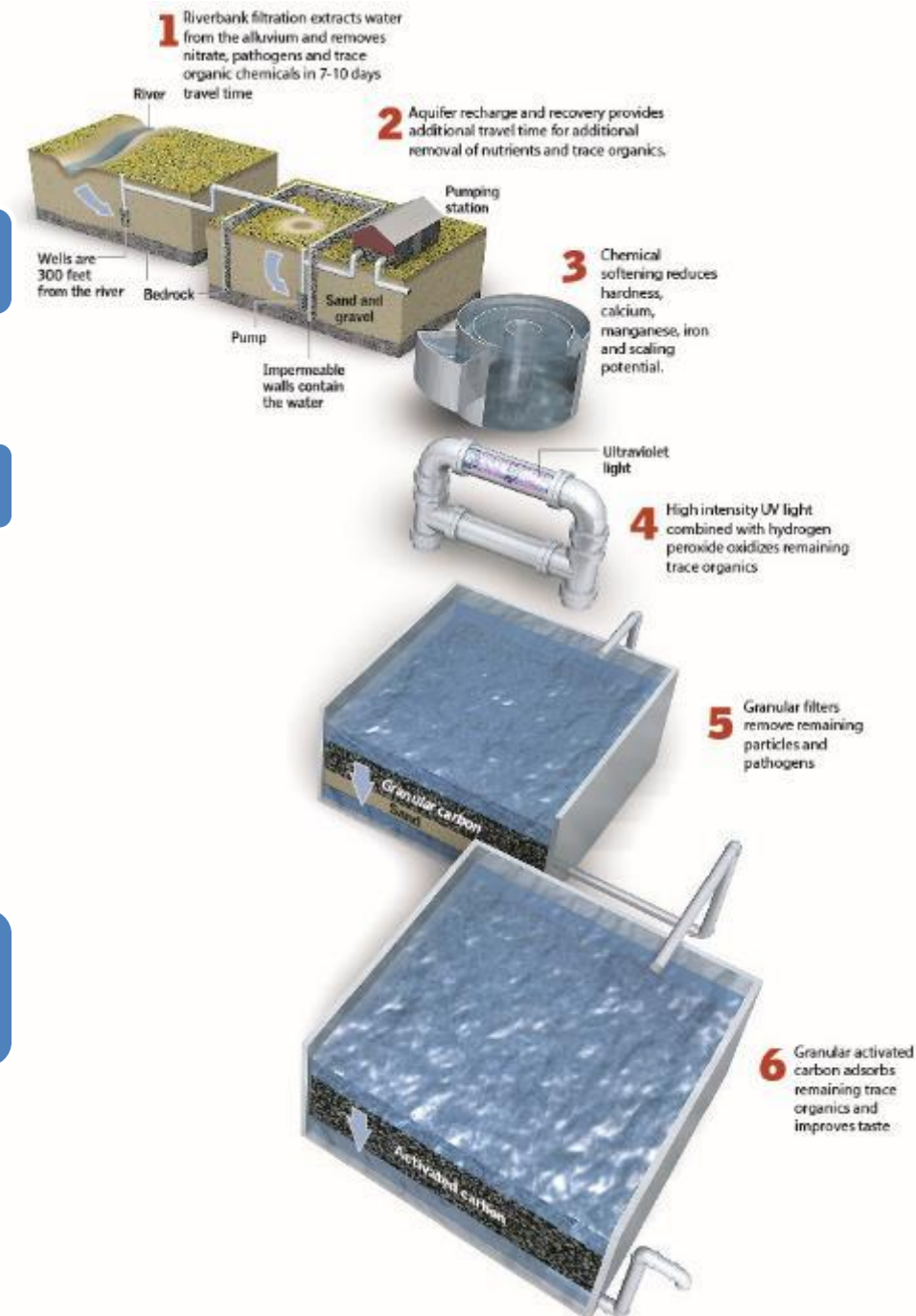
- Source water is fully consumable (return flows & effluent)
- Built to expand capacity over time

Infrastructure

- 23 wells along South Platte River
- Aquifer Recharge and Recovery for pre-treatment
- 3 pump stations
- Numerous Gravel Pits
- 50 MGD advanced treatment plant
- Over \$1 Billion invested in reclaiming water

Allows water to be diverted when available outside of normal demands

- Drought protection
- Flexibility to operations



Policy Driven Conservation

- Water Service Connection/Tap Fees
- Municipal Code Sec. 138-191
 - Prohibits non-functional turf in new development
 - Limits turf in residential back yards
 - Prohibits ornamental water features
 - Prohibits the removal of water-wise landscape for the purpose of installing turf
 - Large Water User Guide
 - Prohibits the waste of water



Program Driven Conservation

- Incentive Programs
 - Commercial Washer Rebates
 - Grass Replacement Incentive Program
 - High-Efficiency Irrigation Components
 - Low-income Water Efficiency Program
 - “Smart” Irrigation Controller Rebates
 - Ultra-high Efficiency Toilet Rebates
 - GreatScapes Income-qualified Program
- New Development & Policies
 - Codes/Ordinances
 - Irrigation & Soil Inspections
 - Irrigation Plans Review
 - Water Management Plan Enforcement
 - Z-zone Program
- Efficiency & Education Programs
 - Advanced Metering Infrastructure (AMI)
 - Leak Notification and Investigation
 - Conservation Education Program
 - High-Use Outreach and Investigations
 - Indoor Water Assessments
 - Know Your Flow
 - Large Property Watering Variance Program
 - Outdoor Water Assessments
 - Aurora Water-wise Garden
 - Water-wise Landscape Design Program
 - Contractor Engagement Seminar (annual)
 - Water-wise Day

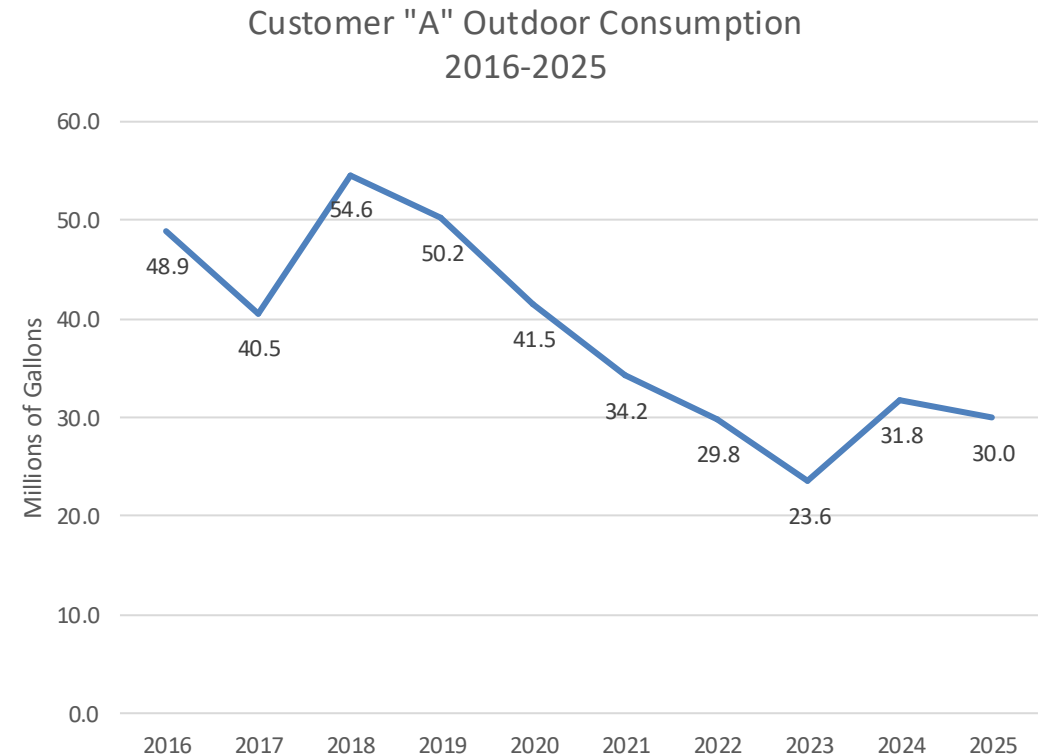
Innovations

- Prairie Waters
- AMI
- Turf Ordinance
- Direct Potable Reuse
- Large Water User Guide
- Volumetric Fee Structure/Allocations

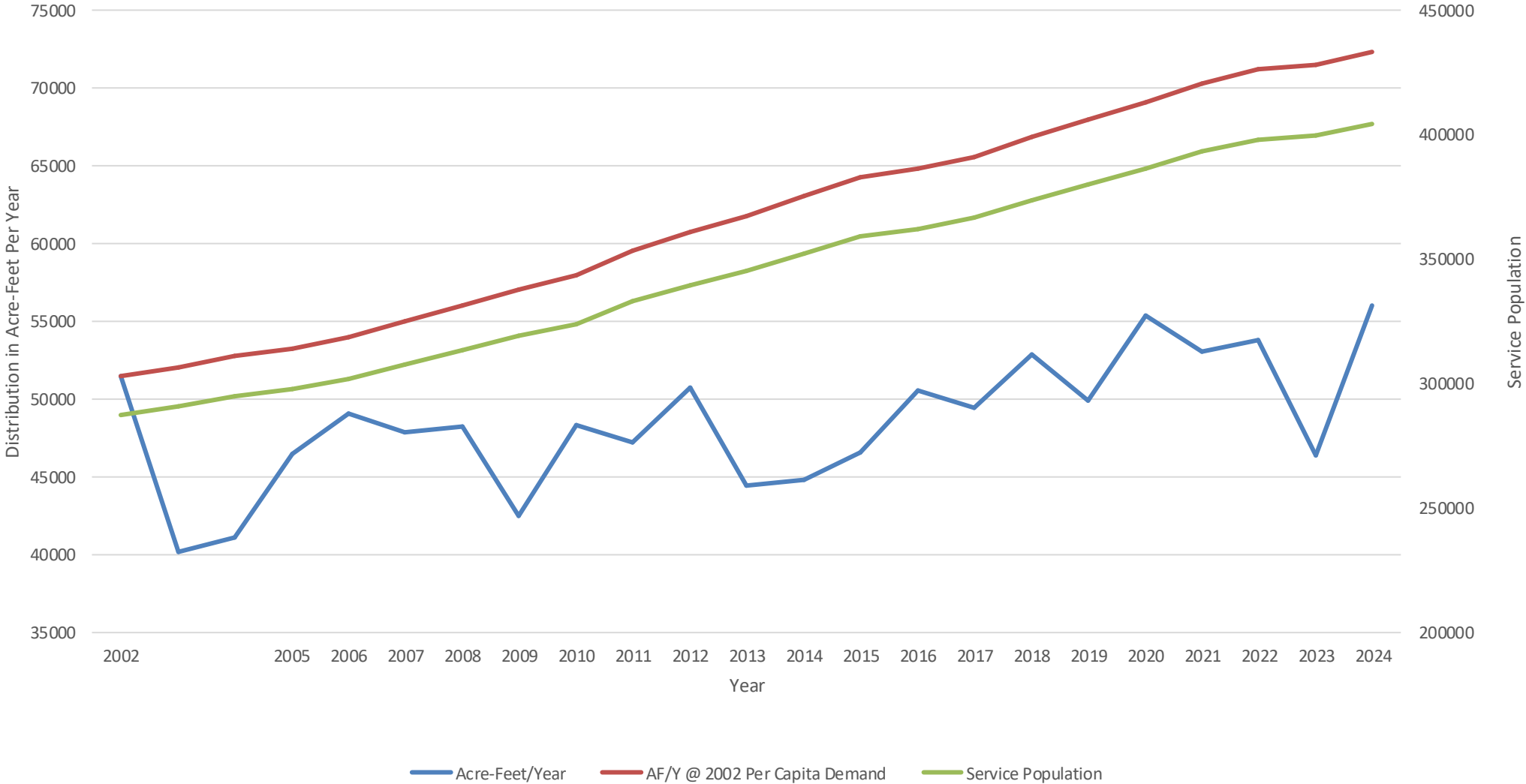
		Non-Recoverable Use			
		≤25%	26% - 50%	51% - 75%	76% - 100%
Volumetric Use (Avg gal/acre/day)	≤600	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use/ Moderate Non-Recoverable	Allowed - Low Volumetric Use/ High Non-Recoverable
	601-1,000	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use/ Moderate Non-Recoverable	Allowed - Low Volumetric Use/ High Non-Recoverable
	1,001 - 2,000	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Moderate Non-Recoverable	Allowed - Avg Volumetric Use/ High Non-Recoverable
	2,001 - 2,500	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Moderate Non-Recoverable	Allowed Under Exemption Only
	2,501 - 3,000	Allowed - High Volumetric Use/ Low Non-Recoverable	Allowed - High Volumetric Use/ Low Non-Recoverable	Allowed Under Exemption Only	Not Allowed
	3,001 - 3,500	Allowed Under Exemption Only	Allowed Under Exemption Only	Not Allowed	Not Allowed
	3,501+	Allowed Under Exemption Only	Not Allowed	Not Allowed	Not Allowed

Allocation Agreement Rebate Success Story

- Large property, high water use customers
- Multi-year, phased implementation
- Customer “A” Success
 - Analysis, assessment, and education began 2018
 - “Smart” Irrigation Controller rebate (\$250K) 2020
 - Turf conversions began 2021 and have continued
 - Planned 160,000 square feet of conversions in 2026
 - 2025 demand was 75 acre feet less than 2018 demand
- New “allocations” set to vegetation cover and area
- If savings goals not met, rebate is paid back over time



Water Demand vs. Growth





Aurora's Water Conservation team is one of 5 platinum recognized teams in the country (and the only one in Colorado).

Questions?

