



Denver Water Commercial Rebate Programs and Efficiency

 DENVER WATER

Overview

Denver Water

- Who we are
- Why Conservation

Water Efficiency in for Commercial Customers

- EPA WaterSense at Work
- Getting Started with water management
- Water use monitoring

Denver Water Commercial Incentives

- Indoor Fixtures
- Commercial appliances and equipment
- Mechanical Systems
- Outdoor – Landscape Conversion
- New Development

Other Funding Sources

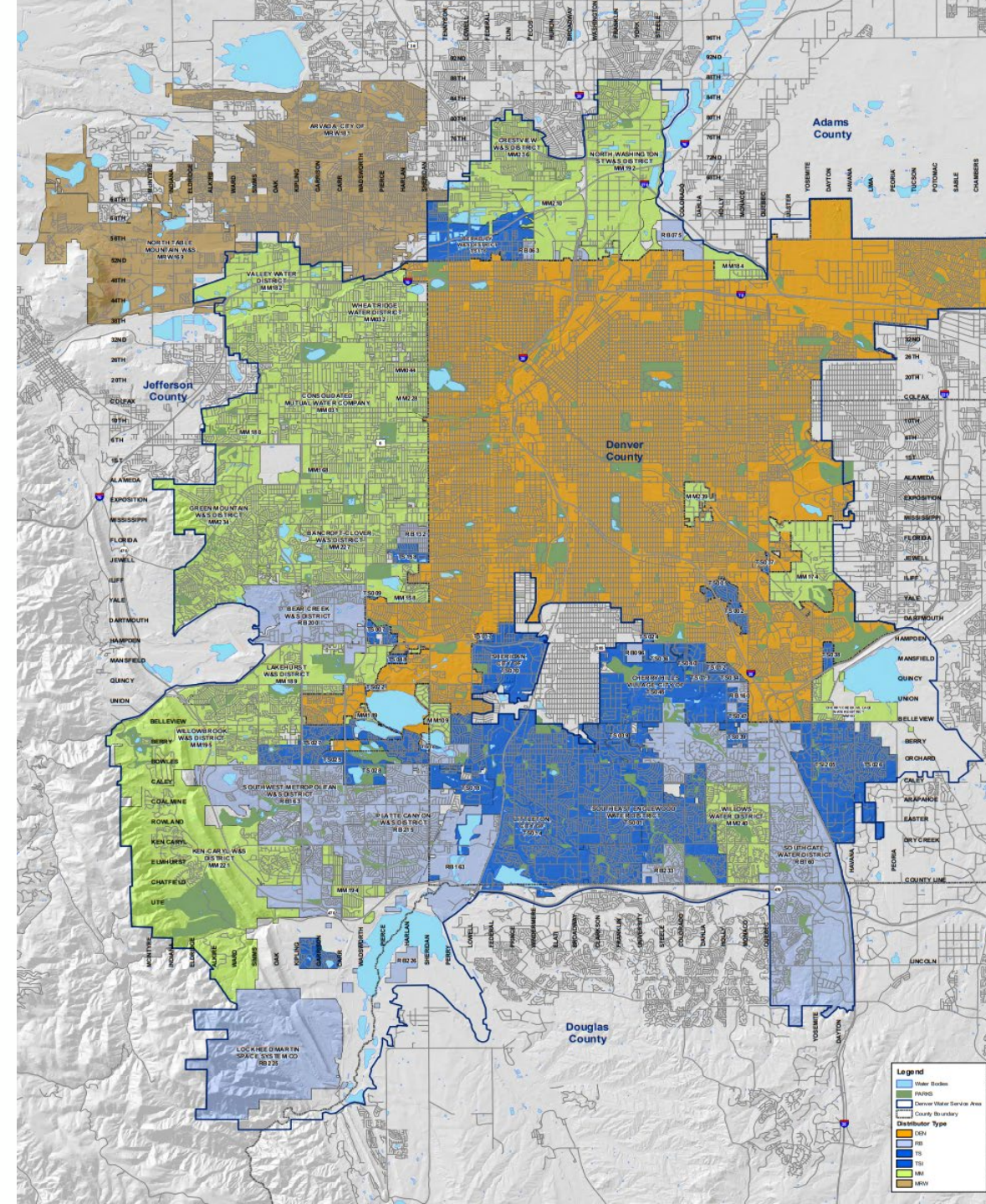
Questions



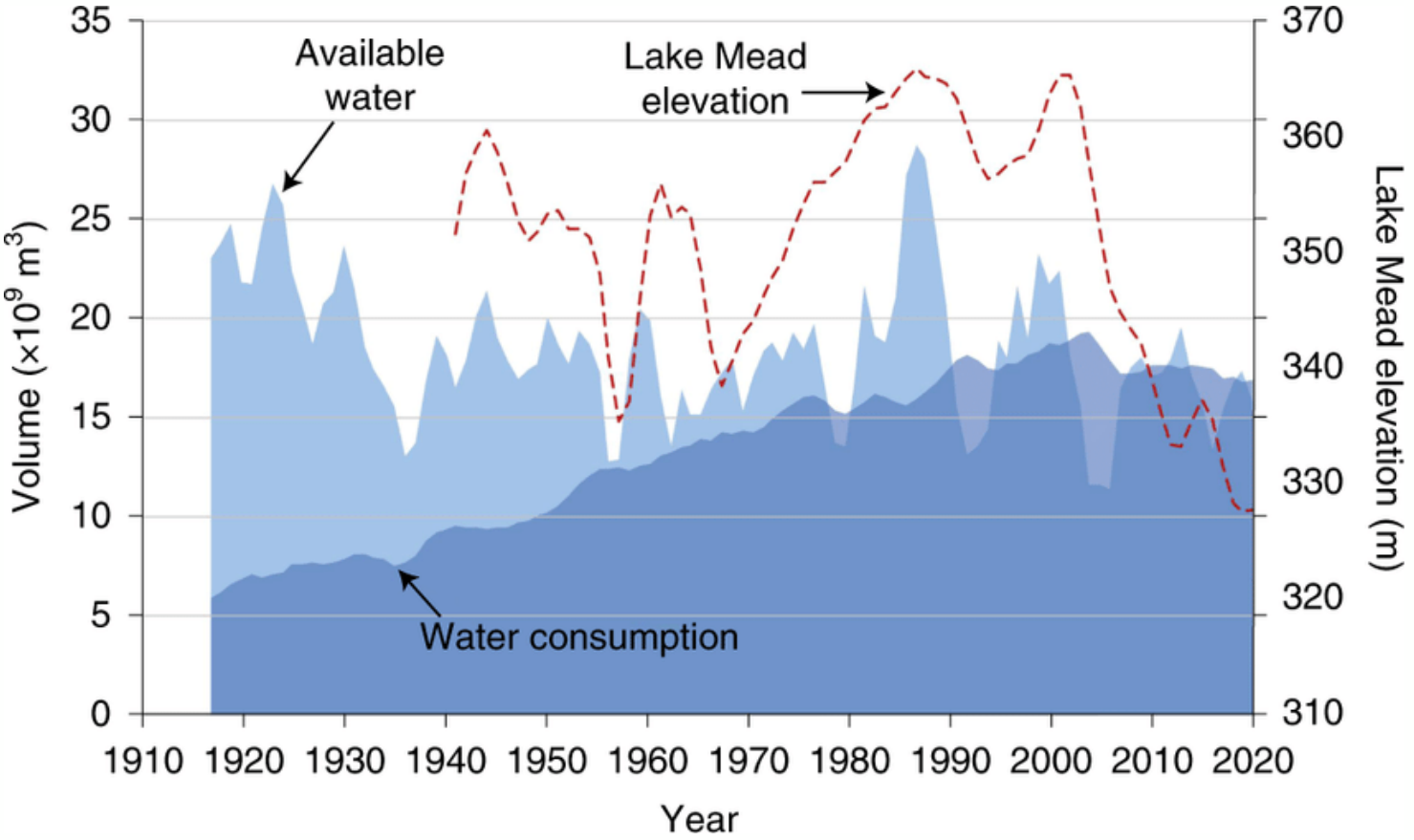
Denver Water

Who we are and who we serve

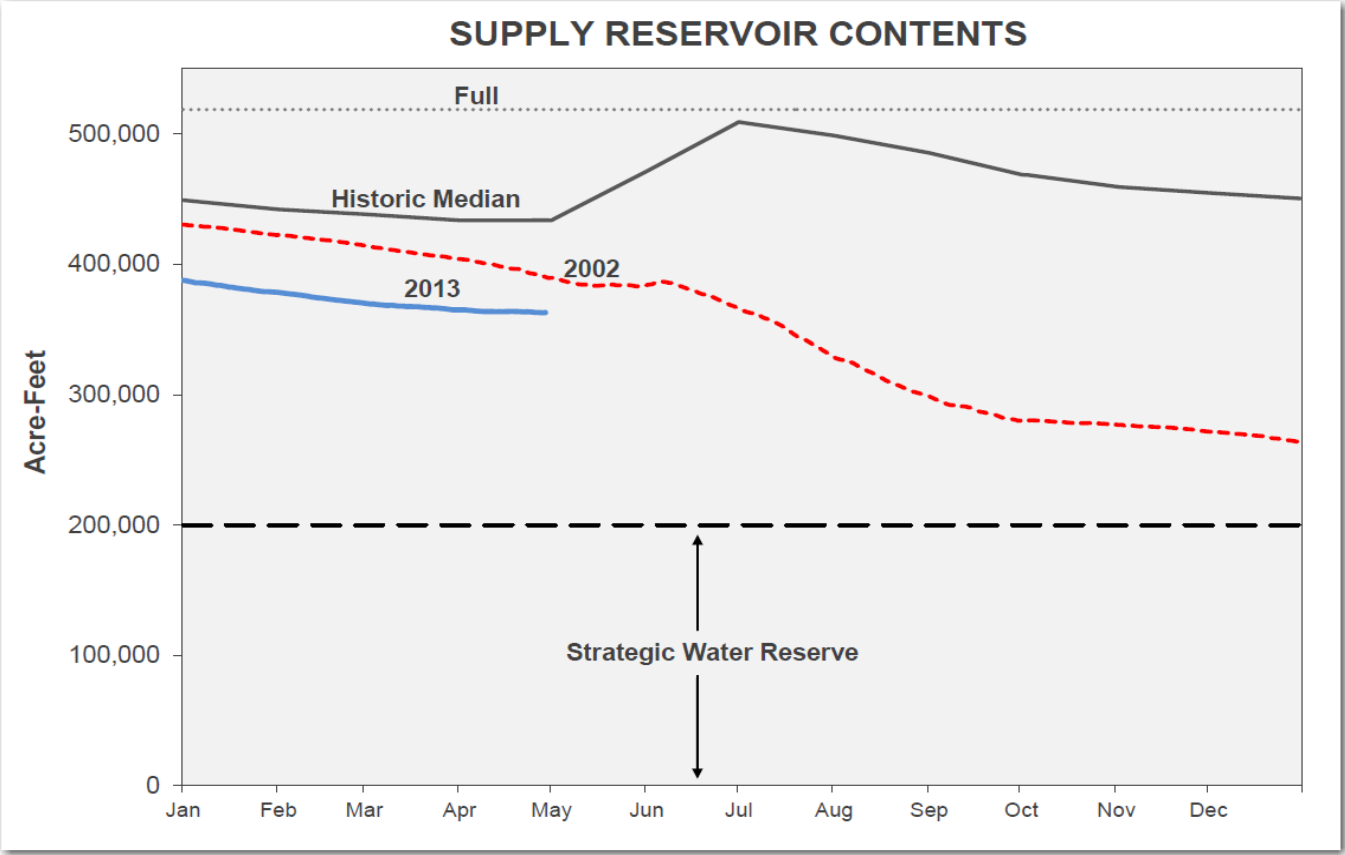
- Denver metro region water utility
- We serve 1.5 million people
- Partner Across 18 local governments
- Not directly tied to the City and County of Denver
- We supply source water (potable water, reclaimed water, and raw water)
- We are not responsible for stormwater or wastewater




Why Conservation and Efficiency



Why Conservation and Efficiency



Why Conservation

 Colorado WaterWise · Following
200 followers
3h

"To get out of those problems, we're going to really need not just one year, but back-to-back, probably three or four years of really good winters", declared Dr. Benjamin Hatchett for the Colorado Sun.



Ask Eartha: Does a wet year mean we can relax on conservation efforts?
summitdaily.com

 Western Resource Advocates · Foll...
4,330 followers
11h

Does more snowpack mean less drought? "It buys us months, maybe a year," Berggren said, of the anticipated heavy flows. "It helps stave of ...more



Recommitment to Conservation

In 2022 Denver Water signed a MOU by and among Colorado River Basin Municipal and Public Water Provider

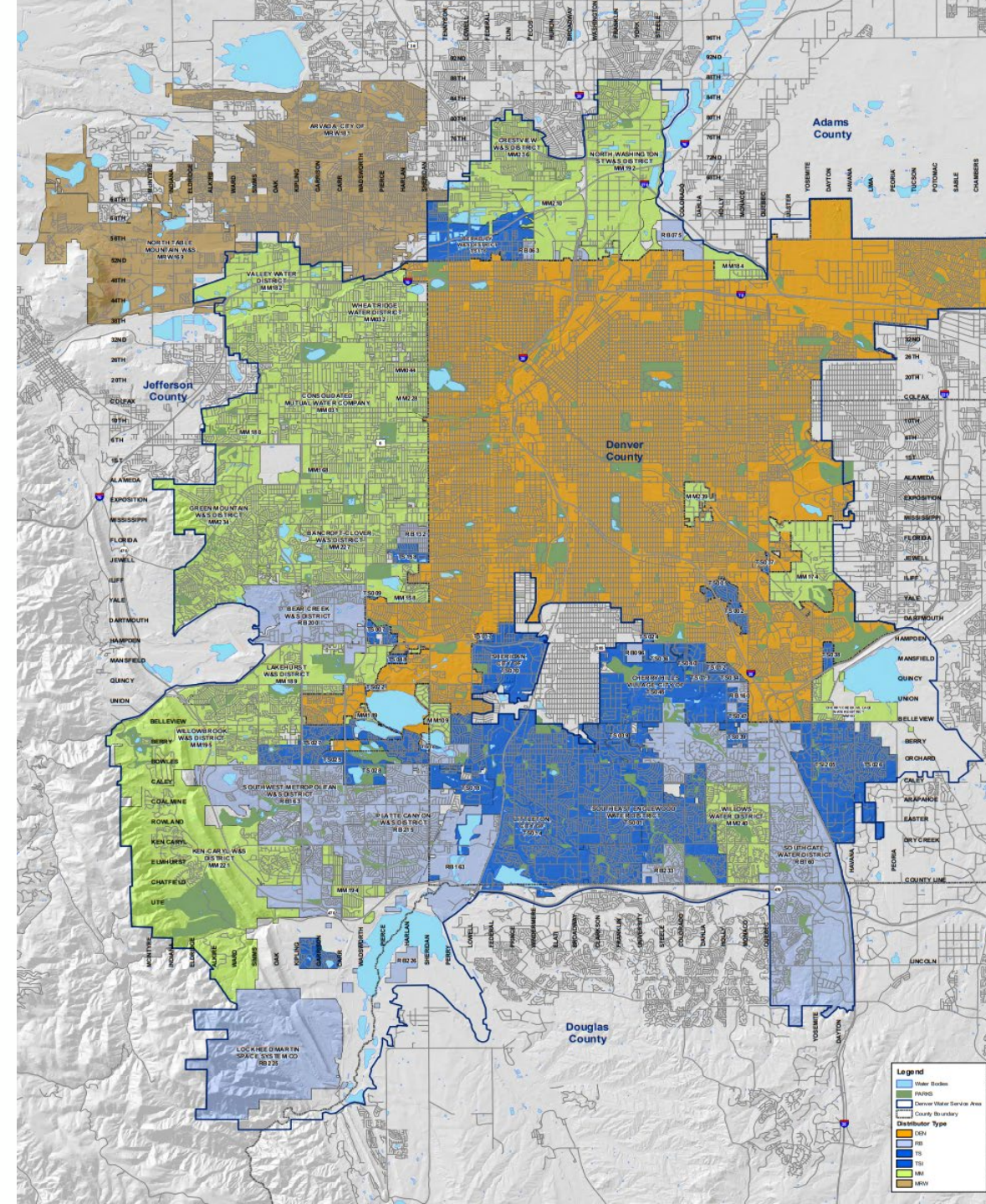
- Continue and expand programs to increase indoor and outdoor water use efficiency
- Introduce programs to reduce the quantity of non-functional turf grass by 30%
- Increase water reuse and recycled water programs where feasible



Denver Water

Points of Contact

- Customer Contact Center **(303) 893-2444**
 - Key Account Representatives
 - Rebates - Rebates@denverwater.org
- New Development – Water Sales
 - WaterSales@denverwater.org
 - **(303) 628-6100**
- Specific Water Efficiency / Conservation Questions
 - Rebate Pre-Approval >\$2,500
 - Austin.Krcmarik@denverwater.org
 - **(303) 628-6838**



EPA Water Sense at Work

Making the Business Case

- Achieve cost savings
- Increase competitive advantage
- Demonstrate leadership and meet ESG goals
- Access additional funding opportunities in the green building marketplace (PACE, ESCOs, State of Colorado Grants)

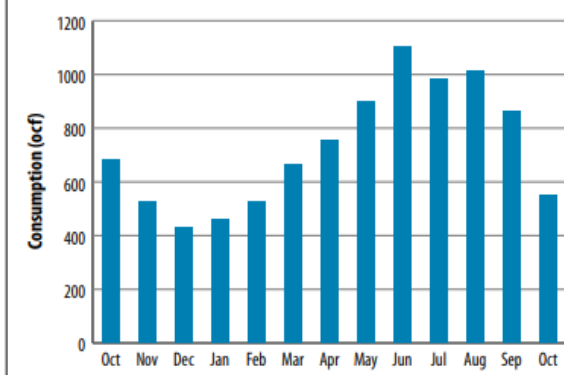
Figure 1-1. End Uses of Water in Various Types of Commercial and Institutional Facilities



EPA Water Sense at Work

Water Management Planning

- Make a commitment
- Assess facility or campus water use
- Set and communicate goals
- Create an action plan
- Implement the action plan
- Evaluate progress at regular interval (account for seasonality)
- Recognize achievement

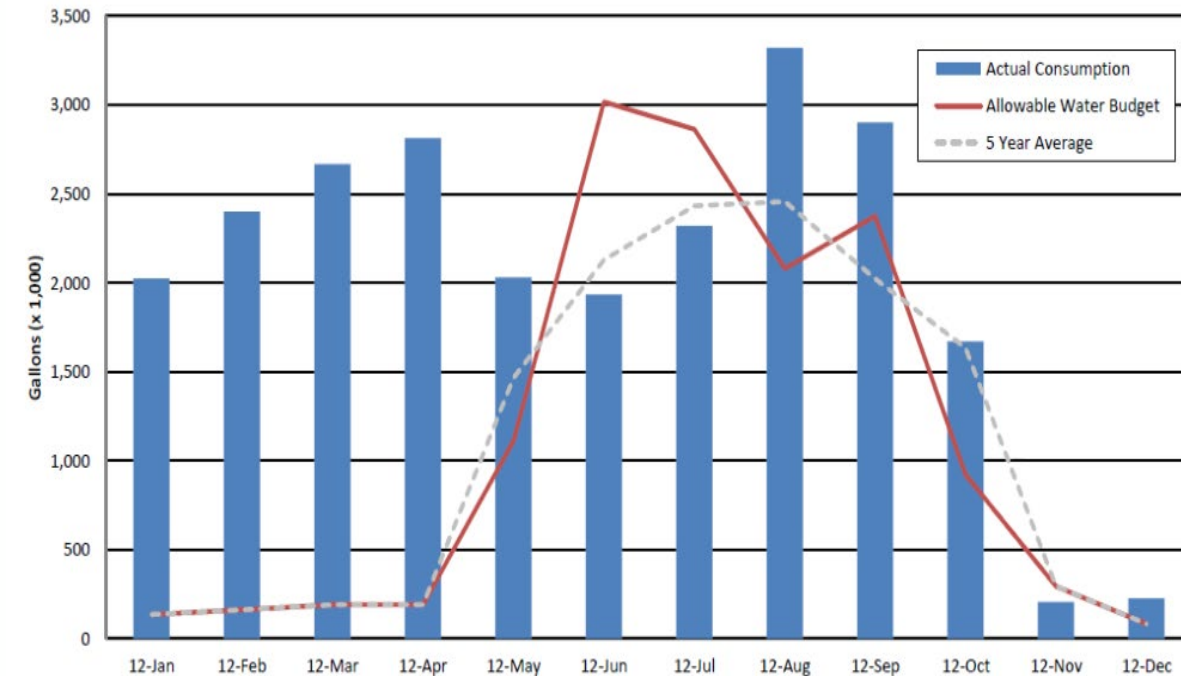
City Water and Wastewater Bill			
Bill Date: October 1, 2012 Due Date: November 1, 2012 Account Number: 987654-32		Customer Name: Facility XYZ Service Address: 123 Anywhere Lane	
Billing Detail:		Summary of Charges:	
Water Charges: (a)			
Tier 1 – (0-100)	\$2.70/ccf	100	\$270.00
Tier 2 – (101-250)	\$3.10/ccf	150	\$465.00
Tier 3 – (251-500)	\$3.73/ccf	250	\$932.50
Tier 4 – (500+)	\$4.13/ccf	50	\$206.50
Total Water Charges		550	\$1,874.00
Wastewater (Sewer) Charges: (b)			
Sewer Consumption	\$6.23/ccf	550	\$3,426.50
Total Wastewater Charges		550	\$3,426.50
Other Charges: (c)			
Fire Service			\$27.33
Stormwater Charge	\$104.89/acre 2.1		\$220.27
Base/Service Charge			\$204.33
Total Other Charges			\$451.93
Total Charges			\$5,752.43
		Meter ID: 12345	
		Current Meter Reading	33,127
		Prior Meter Reading	32,681
		Water Usage This Period (ccf) (d)	446
		Water Usage This Period Last Year	682
		Meter ID: 67890	
		Current Meter Reading	982
		Prior Meter Reading	878
		Water Usage This Period (ccf)	104
		Water Usage This Period Last Year	159
		Consumption (e)	
			

EPA Water Sense at Work

Assess Water Use

- Gather readily available information
 - Monthly Bills from Denver Water
 - Sub-meter or specific industrial process data
- Establish a water use baseline
 - Average winter consumption
- Inventory major water uses
 - Fixtures / equipment
 - Processes
 - Irrigation

Customer Name	High School	
Address		
Est. Irrigated Sqft	587,300	
Number of Meters	1	
To-Date Allowable Budget	13,418	kgals
To-Date Consumption	24,506	kgals
To-Date % of Budget	183%	
Water Use Categories	kgals	%
Indoor	1,620	12%
Irrigation	11,058	82%
Cooling Tower	740	6%
Pool	N/A	0%
Other Outdoor	N/A	0%
Other Indoor	N/A	0%
TOTAL	13,418	100%

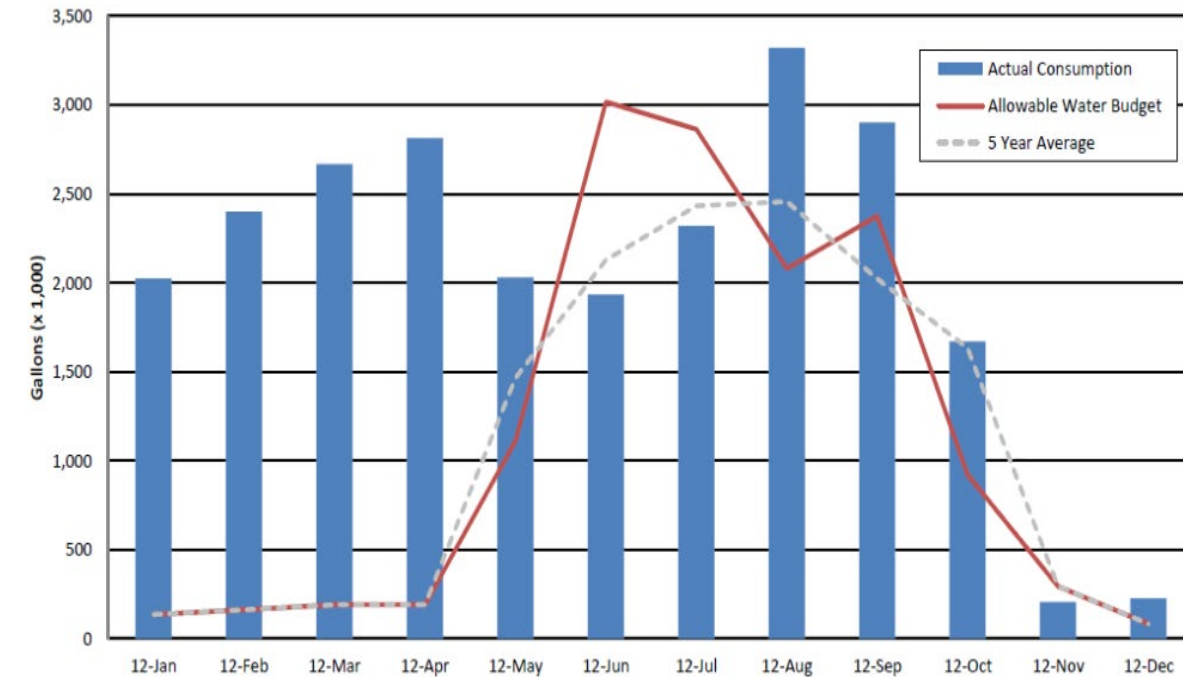


Side Bar: Leak Adjustment

What to do if you suspect a leak

- Call Denver Water Contact Center **(303) 893-2444**
- They will schedule a check for constant flow / leak investigation
- If a leak is found, take action to get it corrected
- After leak is fixed fill out the “Leak Adjustment Request Form” on the Denver Water website.

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Tools to assess specific fixtures or processes

Water Monitoring technology

- External pipe data loggers
 - Another way to set baselines for specific processes or equipment
- Advance Metering Infrastructure (AMI)
 - Provides close to real time water use
 - More granular than monthly billing
- Submetering
 - 3rd party companies will meter and read specific equipment and processes
 - Great for building owners and tenants to pay their true cost of water



Water Assessment Tool

Tools to conduct a self assessment

Water Assessment

- Download the Brendle Group's excel based Water Assessment tool and Guide
- [The Brendle Group - Water Assessment Tool](#)
- Go through the step by step instructions
- New materials are being developed through a Colorado Water Conservation Board Grant
 - Updated self assessment tools
 - Many opportunities to be involved in 2024-2026
- Hire a 3rd party contractor to conduct an assessment

Commercial, Industrial
& Institutional Assessment Tool

USER'S GUIDE FOR VERSION 1.5

APRIL 2024

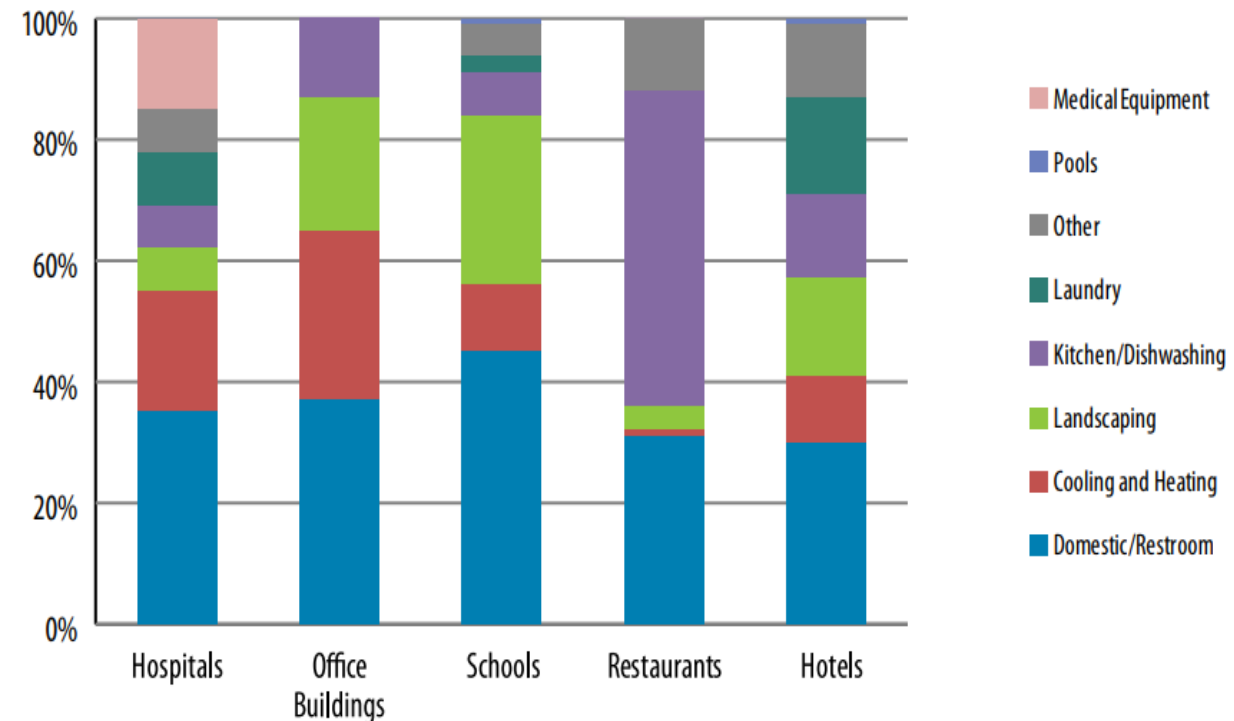
EPA Water Sense at Work

Assessment take aways

- Site specific actions give best ROI
- Indoor water usage is a good target for all commercial subgroups
 - Toilets retrofits have the best ROI
 - For Restaurants – Pre rinse spray valves are a good solution
 - Sub-meter specific industrial processes
- Outdoor water usage is a good target for office building, schools,
- Cooling tower management works for large buildings / institutions



Figure 1-1. End Uses of Water in Various Types of Commercial and Institutional Facilities



Denver Water Commercial Incentives

New Development of Commercial Properties

- Water Efficiency System Development Credit
- Receive a credit of 20%
 - Toilets 1.0 gallon/flush
 - Flushometer toilets 1.28 gallon/flush
 - Urinals 0.125 gallon/flush
 - Showerheads 1.75 gallon/minute
 - Residential lavatory faucets 1.2 gallon/minute
 - Washing Machines – IWF < 3.2 gallon/cuft
 - Smart Irrigation controllers
 - Master valve and flow sensor and rain pause are required
 - Outdoor landscapes designed to < 10 gallons per sqft of irrigable area



Denver Water Commercial Incentives

Plumbing / Sanitary Fixtures

- \$100 – UHET Toilets – 1.1 gallons/flush or less*
 - Just get the 0.8 gallon/flush!
- \$100 – High Efficiency Urinal – .125 gallons/flush
- \$125 – flushometer and bowl – 1.28 gallons/flush

Other Commercial Equipment

- \$150 per Coin/card-operated laundry equipment
- \$300 commercial ware washing equipment
- \$40 sub meter



Denver Water Outdoor Efficiency

Small Commercial/Residential Programs

- Outdoor Water Use Report
- WaterSense labeled smart irrigation controller rebate
- Efficient sprinkler nozzle rebate
- Partnership with Resource Central

Commercial Programs

- Informational Water Budget Report (In re-development)
- WaterSense labeled smart irrigation controller rebate
- Efficient sprinkler nozzle rebate
- Submeter and flow sensor rebate

Landscape incentives (In development)

- Likely \$0.50 / square foot of converted landscape



Resource Central

Garden in a Box



GARDEN IN A BOX

Colorado Oasis

\$123.00



60 sq. ft.



Adaptable

Includes:

- 15 starter plants
- 1 plant by number map
- Comprehensive Plant & Care Guide

\$25 discounts available in participating cities on select products. Applied at checkout. [Learn More.](#)

Sold Out



Description

15/15

plants native to Colorado



hardy to 7,000 ft.



mature height range 6 in. - 5 ft.



blooms spring to fall



attracts pollinators

8/15

plants resistant to deer*

6/15

plants resistant to rabbits*



Resource Central

Slow the Flow

RESIDENTIAL SPRINKLER EVALUATIONS

Our Slow the Flow sprinkler efficiency evaluations for residential properties aim to help Colorado residents reduce water use by optimizing their sprinkler system's efficiency. Gain knowledge about your system, get a customized watering schedule and reduce water waste with our on-site, no-cost sprinkler evaluations available to residents in partnering water provider districts. Colorado yard care just got easier.

[Register Here](#)

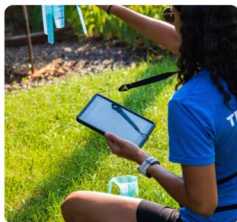
**99% OF
RESIDENTIAL
SPRINKLER
SYSTEMS WE
EVALUATE HAVE
INEFFICIENCIES**



What You Get

Over the course of your free 75-minute evaluation, our trained associates will be on-site to do a complete visual inspection of your system identifying problem areas as well as performing several tests on your system to create an efficient watering schedule for your yard.

Custom Watering Schedule



General System Knowledge



Detailed Report



Resource Central

Lawn Removal

LESS LAWN, MORE SAVINGS

The Lawn Replacement Program offers you a mix-and-match solution for upgrading to a waterwise yard. We'll help you save water and money, reduce lawn maintenance, and create a colorful habitat.

It's easy! Just agree to remove at least 200 square feet of lawn through our program and replace it with water-wise gardens, permeable green landscaping or other water efficient plant material. Submit an application online and we'll be in touch about your project shortly after. Check the Find Your Discount section to determine if you are eligible for water provider sponsored discounts.

With this program you could get access to any of the following:

Discounted Garden In A Box Kits



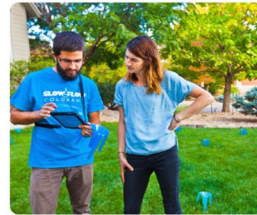
[Learn More](#)

Lawn Removal Service Discounts



[Learn More](#)

Waterwise Landscape Advice



[Learn More](#)

How it Works

1. Measure your space and determine sun exposure (200 sqft or more).
2. Take photos of the area.
3. Submit an online application.
4. Complete a 30 minute phone consultation.
5. Remove lawn through us or do-it-yourself.
6. Pick up and plant your low-water gardens.



Denver Water Outdoor Efficiency

Fact: ~50% of total water use goes to landscapes

The Xeriscape Principles

- Planning and Design
- Soil Improvements
- Efficient Irrigation
- Plant Zones
- Mulches
- Turf Alternatives
- Maintenance

Transition to new terms like Waterwise, climate resilient, ColoradoScape



Additional water efficiency project funding

Energy Service Companies (ESCO's)

- Design, Build and arrange financing for projects that save energy and water.
- Decrease operating and maintenance costs for building operators and tenants

Colorado Commercial Property Assessed Clean Energy Programs (C-PACE)

- Finance up to 100% of energy efficiency, renewable energy, and water conservation improvements.
- Repayment terms up to 25 years.

Colorado Water Conservation Board (State Revolving Fund Grants)





Questions?

Austin.Krcmarik@denverwater.org
Water Efficiency Lead

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