



KNOW YOUR ALLOTMENT: Excess Water Use Fee Increases May Lead to Higher Bills



Friday, March 30, 8:30-10 a.m., 215 N. Mason St., Community Room
(geared toward landscape contractors and property managers)

Thursday, April 26, 8:30-10 a.m., 222 Laporte Ave., Colorado River Room
(geared toward contractors)

Tuesday, May 22, 8:30-10 a.m., 222 Laporte Ave., Colorado River Room
(geared toward landscape contractors and property managers)





**Understanding of
Allotment and
Excess Water Fee**



**Understanding of
tools and programs
to monitor use**

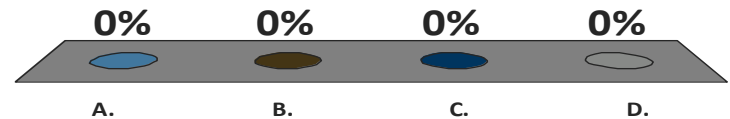


**Rebates and other
opportunities to
improve efficiency**

1. Welcome
2. Review Allotment and Excess Water Fee
3. Tools to Monitor Use
4. Rebates
5. Irrigation Efficiency
6. Certified Landscape Professional Annual Updates
7. Questions

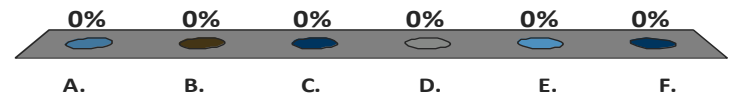
What is $1 + 1$?

- A. Not this one
- B. Still not this one
- C. 2
- D. You've gone too far, go back to C



What brought you here today?

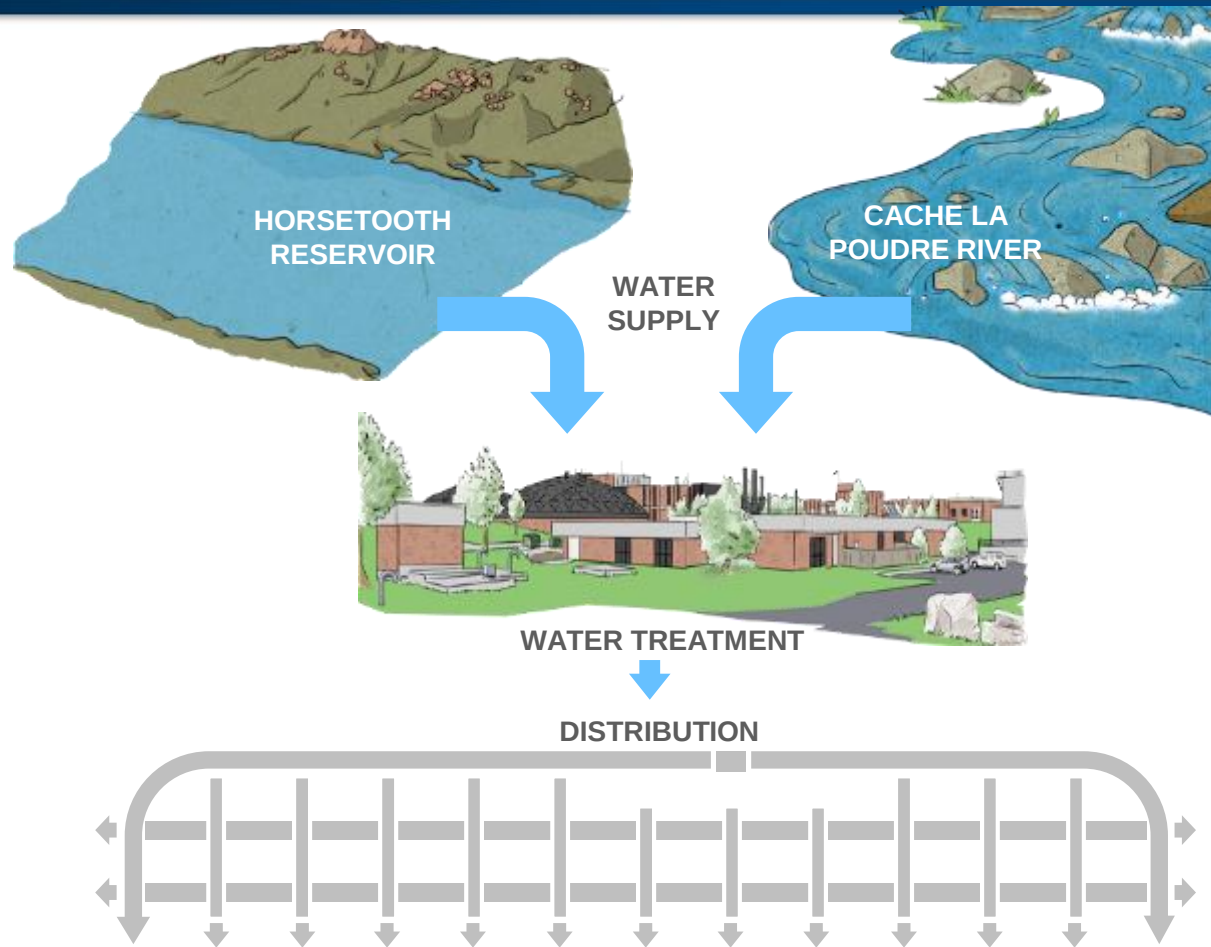
- A. Breakfast
- B. Learn about CLP
- C. Learn about allotments
- D. Learn about
Landscape Budgets
- E. Eric told me I had to
come
- F. All of the above



Water Impact Fees

Allotments

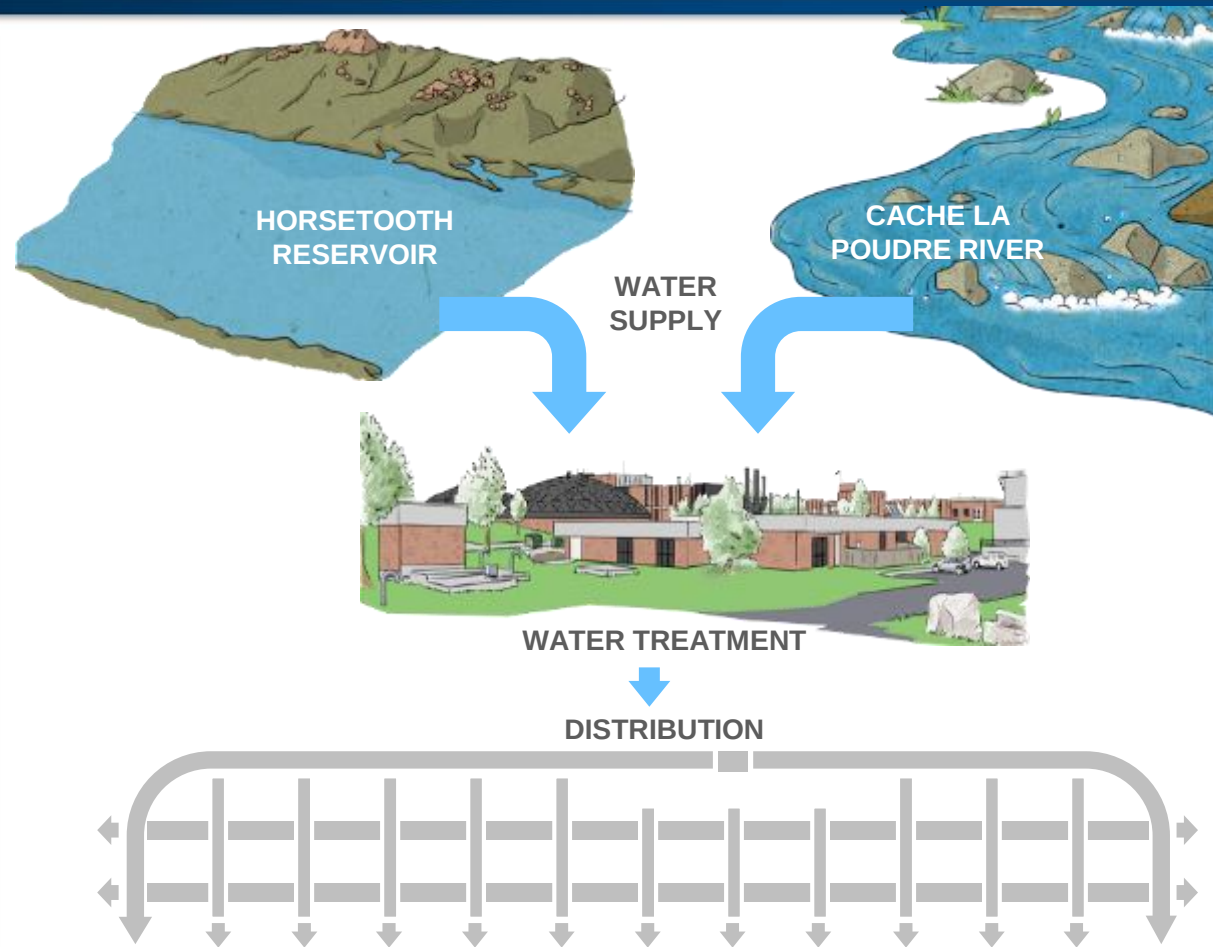
- **WHAT:** Water rights or fee paid at the time of development based on use and type of development
- **WHY:** generate adequate funds and water rights to provide reliable water supply, storage, transmission, and infrastructure



Water Impact Fees

Excess Water Fee

- **WHAT:** The amount of water used in excess of the assigned allotment charged at a fee of \$8.14 per 1,000 gallons over the allotment
- **WHY:** generate adequate funds and water rights to provide reliable water supply, storage, transmission, and infrastructure



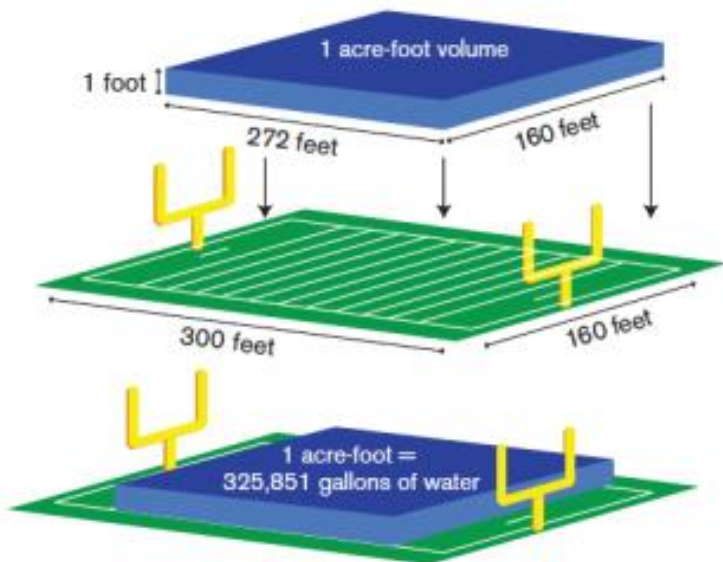
Cost to increase allotment – What's Changing?

\$12,480
per acre-foot
(325,851 gallons)



2018
\$33,216
per acre-foot
(325,851 gallons)

Cost of providing reliable
water supply based on today's
estimate.



Excess Water Use – What is Changing?

Historical Surcharge: \$3.06
per 1,000 gallons over
annual allotment

2018 Surcharge:
\$8.14 per 1,000 gallons
over annual allotment



Why did the cost increase?

CBT UNITS WATER MARKET

METE

2015 AVERAGE SALE PRICE



\$36,300/AF

Average price, 2014: \$3

NUMBER OF TRADES IN 201



67 TRADES

Number of trades, 2014

VOLUME TRADED IN 2015

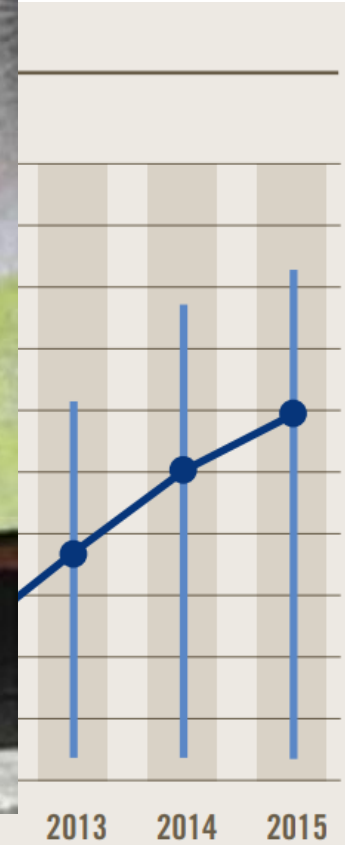


1,236 AF

CBT Units—
Volume traded, 2014: 7



2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015



The Tools

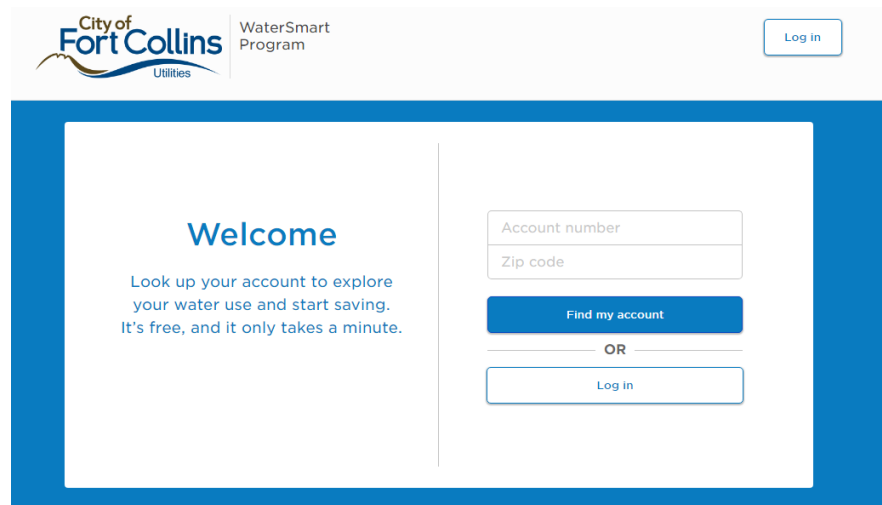


How do I find this on my bill?

Service	Rate Code	Service Date		Days	Meter Readings		Multiplier	Usage	Charge
		From	To		Previous	Present			
Stormwater	H212	11-01-17	12-01-17	30					\$732.68
Wastewater	S523	11-01-17	12-01-17	30				320700 GAL	\$1,140.19
Water	W523	10-31-17	12-01-17	31	76185	79392	100	320700 GAL	\$850.59
Excess Water Use	W820			31				320700 GAL	\$981.34
Service Charge	C001								\$19.65
Sub-total									\$3,724.45
Total charges this billing period									\$3,724.45

2018 rates: fcgov.com/residential-rates & fcgov.com/commercial-rates

- Monitor Use
- Text & Email Alerts
- Add Multiple Accounts
- Easily share use with contractors, board members, etc.

A screenshot of the WaterSmart Program login page. The page has a white background with a blue header bar. On the left, the City of Fort Collins logo is displayed. To its right, the text "WaterSmart Program" is visible. In the top right corner, there is a "Log in" button. The main content area is framed by a blue border and contains a "Welcome" message on the left and a login form on the right. The login form includes input fields for "Account number" and "Zip code", a blue "Find my account" button, and an "OR" separator followed by a "Log in" button.

City of Fort Collins Utilities

WaterSmart Program

Log in

Welcome

Look up your account to explore your water use and start saving. It's free, and it only takes a minute.

Account number

Zip code

Find my account

OR

Log in

fcgov.watersmart.com

My Daily Use

3,545

Gallons Per Day

[View use](#)

Compare your past use 195% ↑
For this billing period



I Want To...



Check if I have a leak



Learn where I use the most water



Sign up for unusual use alerts

Recommended



Raise
Lawnmower
Blades

Savings up to

40 GPD \$92/year

[See more](#)

Notifications

Alert - March 13

Unusual Use Detected

Your water use was abnormally high during the last billing period from Feb 14, 2018 - Mar 13, 2018. It's possible you had a leak.

[Investigate unusual use](#)

Reminder

Want Better Results?

Complete your home water-use p...
[read more](#)

Reminder - March 24

New Data Available

Your WaterSmart Portal has been ...
[read more](#)

Announcement

Your use versus your annual allotment

3,128,170 gallons: Your annual 20...
[read more](#)

Leak notification. The leak notification will only appear if there is a chance you have a leak.

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Check your Allotment. You will always be able to find your allotment in the Notifications section.

Your use versus your annual allotment



- **977,553 gallons:** Your annual 2018 allotment
- **610,590 gallons:** Your monthly water usage for the billing period ending 04/01/18
- **1,593,390 gallons:** Your year-to-date* water use as of 04/01/18.

Keep track over the year, 
Set up your [Use Notifications](#).

** Note: The year-to-date variable includes an estimated portion for any bills that span two calendar years. For example, if you received a bill for your use from December 15, 2017 to January 15, 2018 we estimate a portion of the use that occurred in*



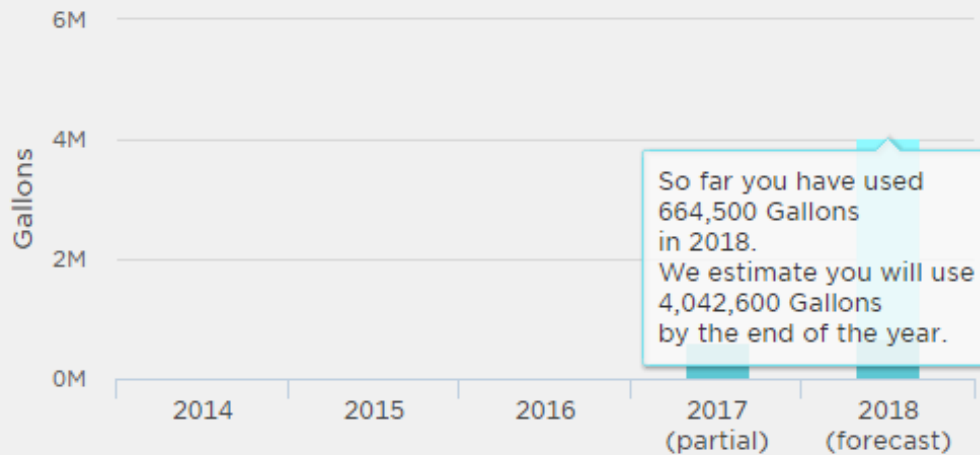
Manage your annual allotment

Your annual allotment, for Jan. - Dec. 2018:
0 gallons.

Your cumulative 2018 use, as of MM/DD/YY:
INVALID_VAR:YTDnative gallons.

Monitor your ongoing use online at
ftcollins.watersmart.com.

Tracking Your Long-Term Use



Not as efficient as last year

You're tracking to use about **8% more** than last year.

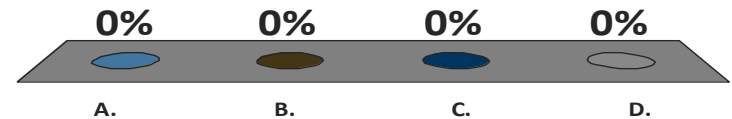
Ways to save

Water Budgets



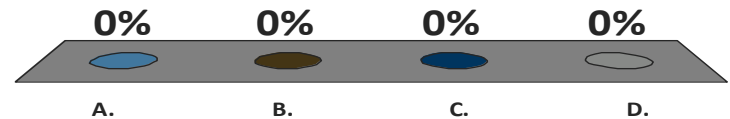
If I exceed my allotment, what is the excess water fee?

- A. \$8.14 per 1,000 gallons over the allotment
- B. \$3.06 per 1,000 gallons over the allotment
- C. \$6.50 per 1,000 gallons over the allotment
- D. \$2.87 per 1,000 gallons over the allotment



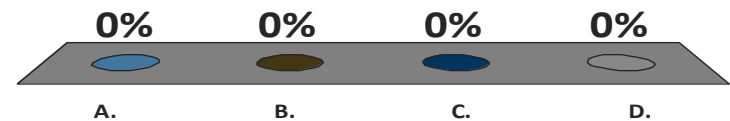
When does the excess water fee start being charged?

- A. At the beginning of the year
- B. Every time 1,000 gallons is used
- C. When the annual allotment is exceeded
- D. When irrigation starts

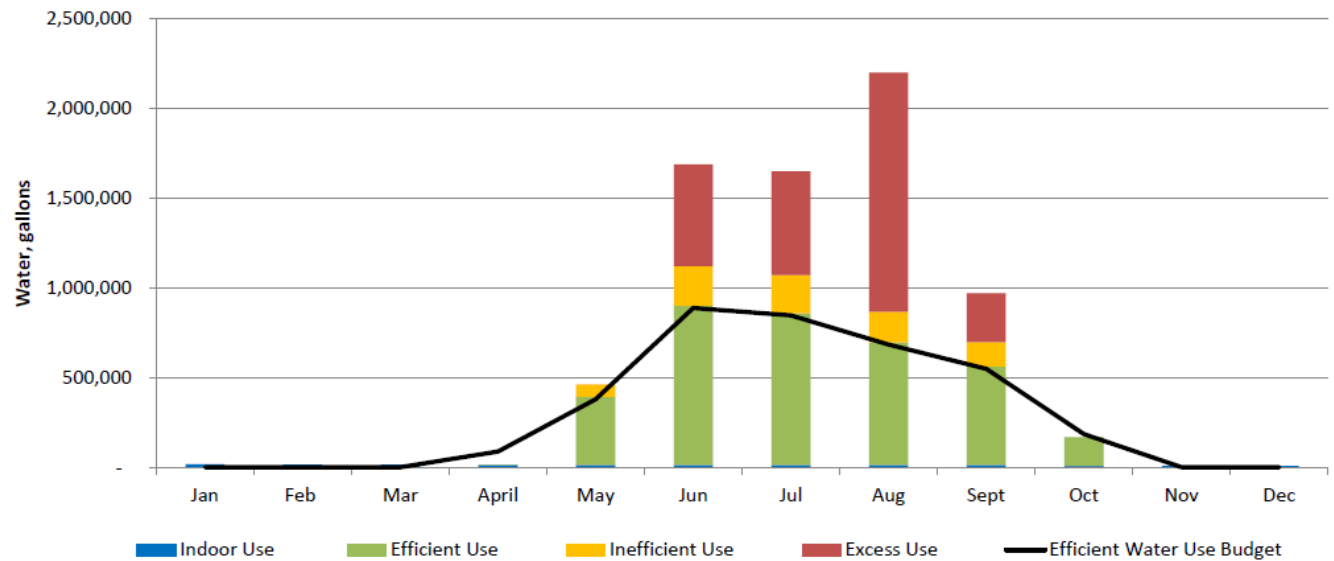
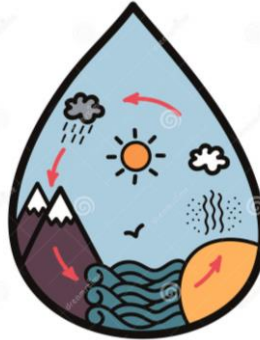


If I would like to permanently increase my allotment how much does it cost?

- A. \$8.14 per Acre-Foot
(325,851)
- B. \$33,216 per Acre-Foot
(325,851 gallons)
- C. \$12,500 per Acre-Foot
(325,851 gallons)
- D. \$3.06 per Acre-Foot
(325,851 gallons)



Landscape Budget Program



Landscape Budget Program

Enrollment

1. One-on-one hour meeting to review initial report
2. Receive subsequent reports summarizing water use and customized recommended use
3. Notifications regarding sprinkler times, allotment overages, and other relevant information.

Space is limited.

If interested sign up today!

fcgov.com/commercial-irrigation



Landscape Budget Program

Eligibility

1. Have at least one commercial Fort Collins Utilities water tap
2. You must have the account number and permission from the primary account holder

Space is limited.

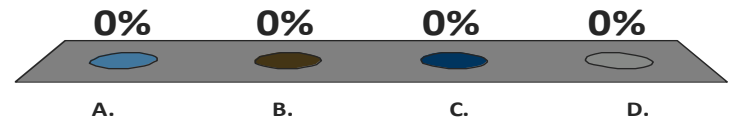
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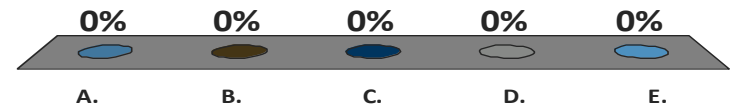
Why do allotments and the excess water fee exist?

- A. Generate funds to acquire necessary water rights
- B. Generate funds to provide storage and transmission of water
- C. Generate funds for necessary infrastructure
- D. All of the above



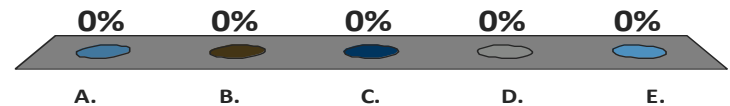
To sign up for the Landscape Budget program I need...

- A. Account Number
- B. Have a Fort Collins Utilities Commercial Tap
- C. Permission from the Primary Account Holder
- D. Visit fcgov.com/commercial-irrigation and sign up!
- E. All of the above



To sign up for the WaterSmart allotment notifications program I need...

- A. Account Number
- B. Have a Fort Collins Utilities Commercial Tap
- C. Permission from the Primary Account Holder
- D. Visit fcgov.watersmart.com and sign up!
- E. All of the Above



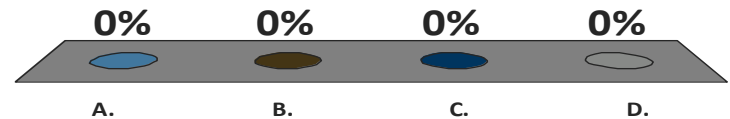
Outdoor water use accounts
for 60% of total use.



And that is
where you
come in....

On average how much water used outdoors is wasted from inefficient watering methods?

- A. 60%
- B. 50%
- C. 40%
- D. 30%



What Can Be Done?

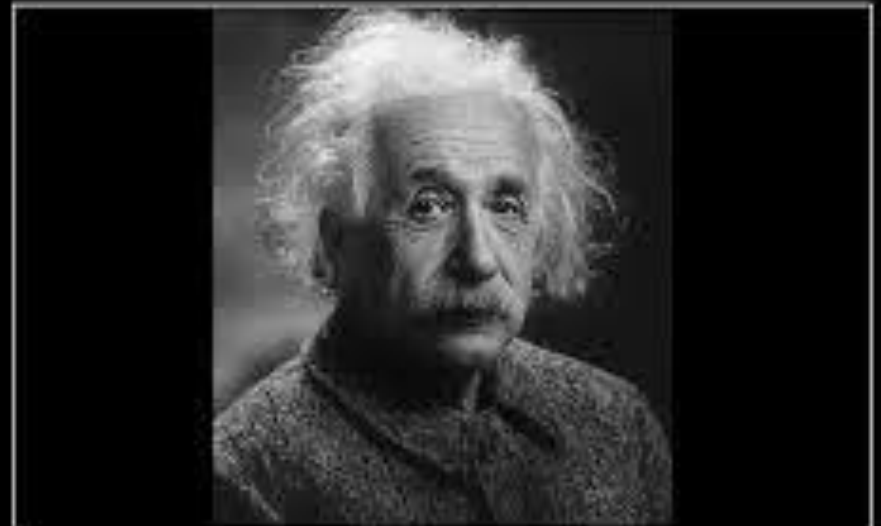
Identify the problem(s)

- Poor scheduling
- Breaks
- Pressure
- Poor design areas
- Watering all zones same



Must Do's :

- Cycle- soak watering
- All zones are not equal!
 - Run times will vary
- Seasonal adjustments
 - Spring and fall



Problem Solving Requires New Approaches

"We can't solve problems by using the same kind of thinking we used when we created them." – Albert Einstein

Smart Controllers

- Water to ET values
 - Savings = spring & fall
- Track water use
 - Monthly
 - Tiers
- Identify breaks
 - Flow monitoring



High Pressure = Waste

Rebates are available:

- Pressure reducing heads
 - California law
- Pressure reducing at the valve



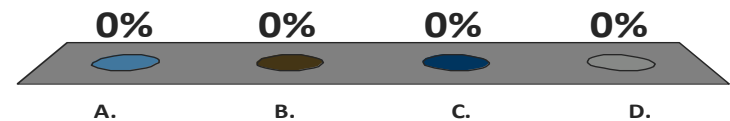
Poor Designs or Upgrades

- Consider upgrading spray zones to multi-stream nozzles
- PR rates can be adjusted to the mature landscape in mixed hydrozones



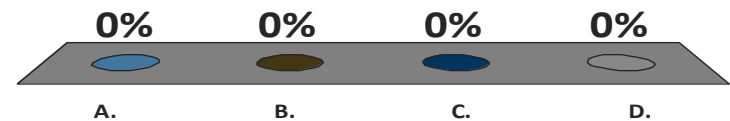
What should you always consider when programming a controller?

- A. Spray heads = 20 minutes
- B. Rotor heads = 45 minutes
- C. No two zones are the same
- D. Only using one program for all zones



What are the “Must-Do’s” to consider when scheduling and programming?

- A. Cycle-soak watering
- B. Run times will vary from zone to zone
- C. Seasonal Adjustments = Key!
- D. All of the above



Switching Gears



Certified Landscape Professionals

Program established in 2016

- Industry certified contractors
- Maintain certification
 - Continuing Education Units
 - Mandatory meeting
 - Code of ethics
- Commercial rebates
 - New technology
 - Only CLP's



Certification Opportunities

Aurora Water – CLIA
Denver Convention Center
May 3-4, 2018

Fort Collins / Northern Water - CLIA
Location TBD
July 10-12, 2018



See Eric for more information

Contracts and application

**Code of Ethics – Certifying
body**

Accredited rating from BBB

Referrals / Advertising

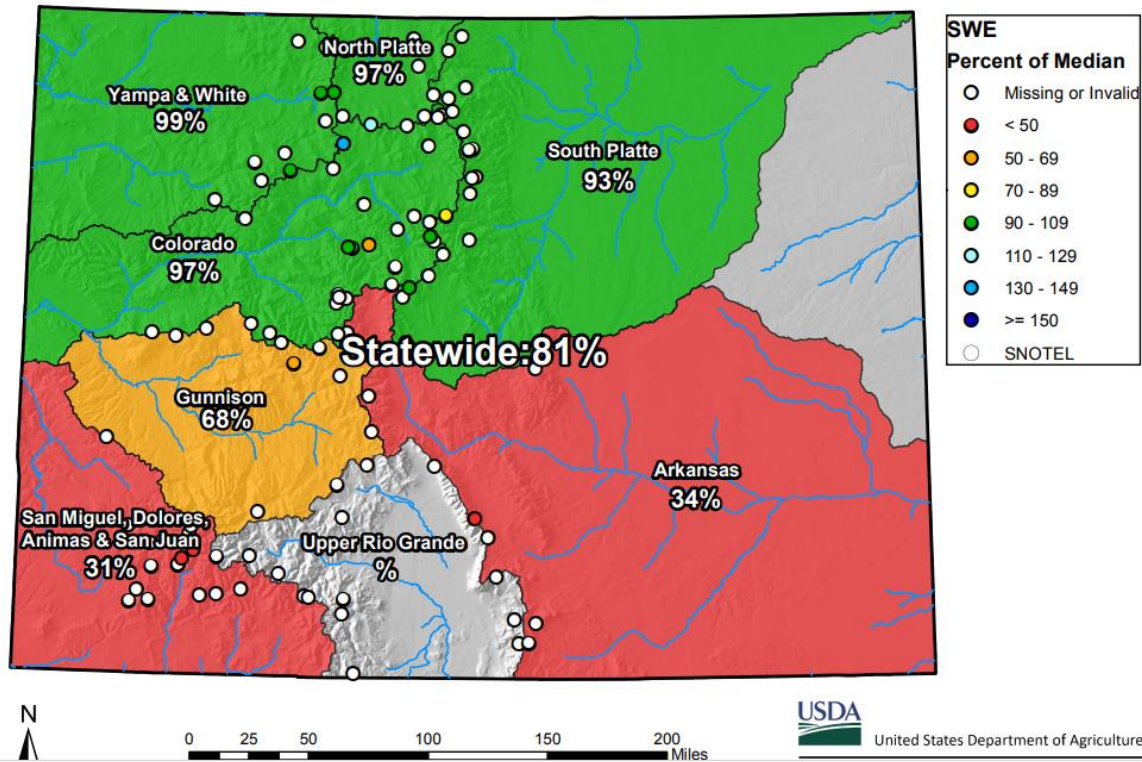
- Sprinkler audit program
- XIP
- Website



Water Outlook for 2018...

Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

Current as of Apr 23, 2018



Presently, no water restrictions are expected for 2018

Last weeks moisture helped!

Be careful on allotment fees!

Certified Landscape Professionals

CLP messages:

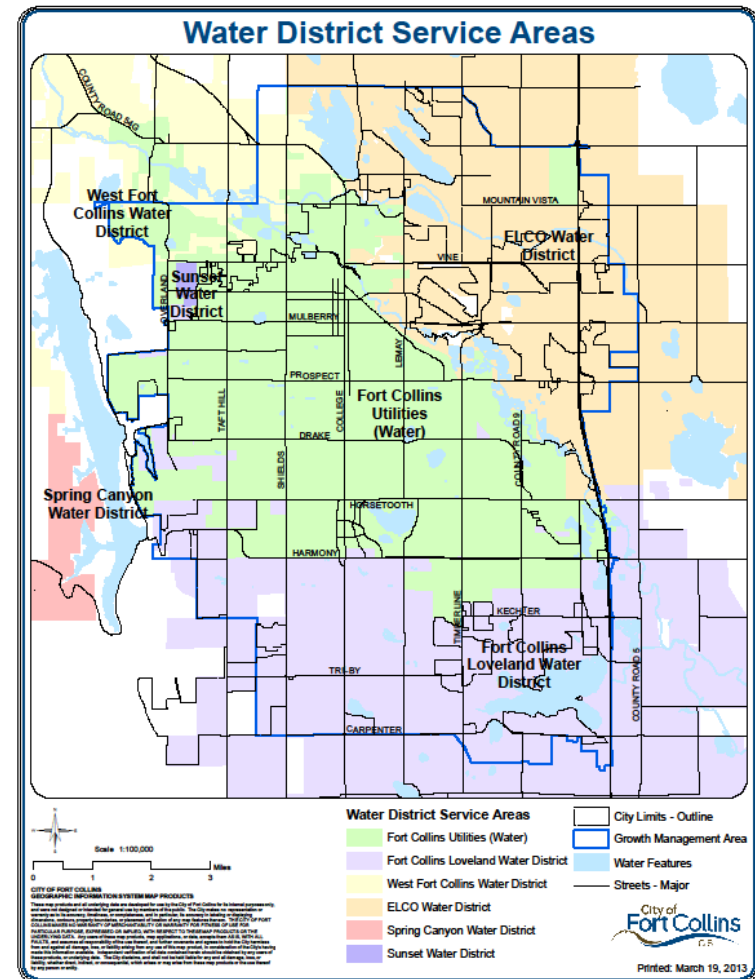
- Watering = 6 pm -10 am
- Never 2 days in a row
- Cycle – Soak
 - The ONLY way!
- Watch you total use
 - Allotments will get you!

Experts are predicting a warm dry summer



Utilities water customers:

- Rain sensors
 - \$15 wired
 - \$30 wireless
- Soil moisture sensors - \$45 each
- Smart controllers - 50% of cost up to \$400
- Hi-efficiency nozzles - \$3 per head (Unlimited - WOW!)
- Pressure reducing heads: \$3 per head (Unlimited - WOW!)
- **Pre-approval:** Pressure reducing valve



True or false: All Fort Collins Customers are eligible for mid-stream rebates.

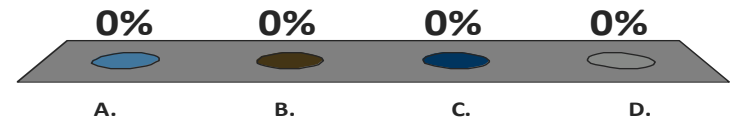
A. True

B. False



Which is an example of “the ONLY way” to water?

- A. Run a station two times for 6 minutes
- B. Run a station one time for 12 minutes
- C. Run a station one time for 20 minutes
- D. Run a station 12 times for 1 minute



Next Event: May 22nd

Invite Property/Community Mangers & Facility Mangers

*****fcgov.com/water-fee*****



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Water Conservation Specialist
aneel@fcgov.com



Eric Olson
Water Conservation Coordinator
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