

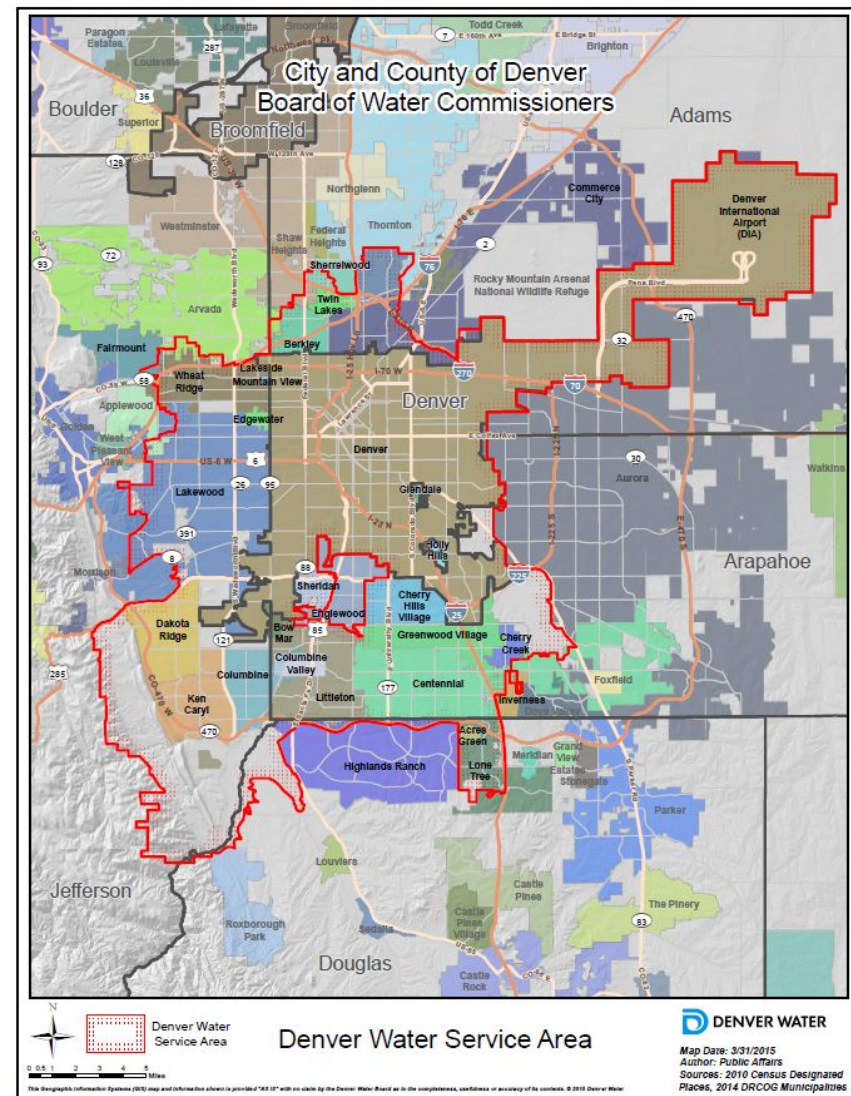
CONGRESS PARK SUSTAINABLE NEIGHBORHOODS: WATER EFFICIENCY



*Presented By [Michael Thomas](#)
Conservation Specialist*

Denver Water Basics

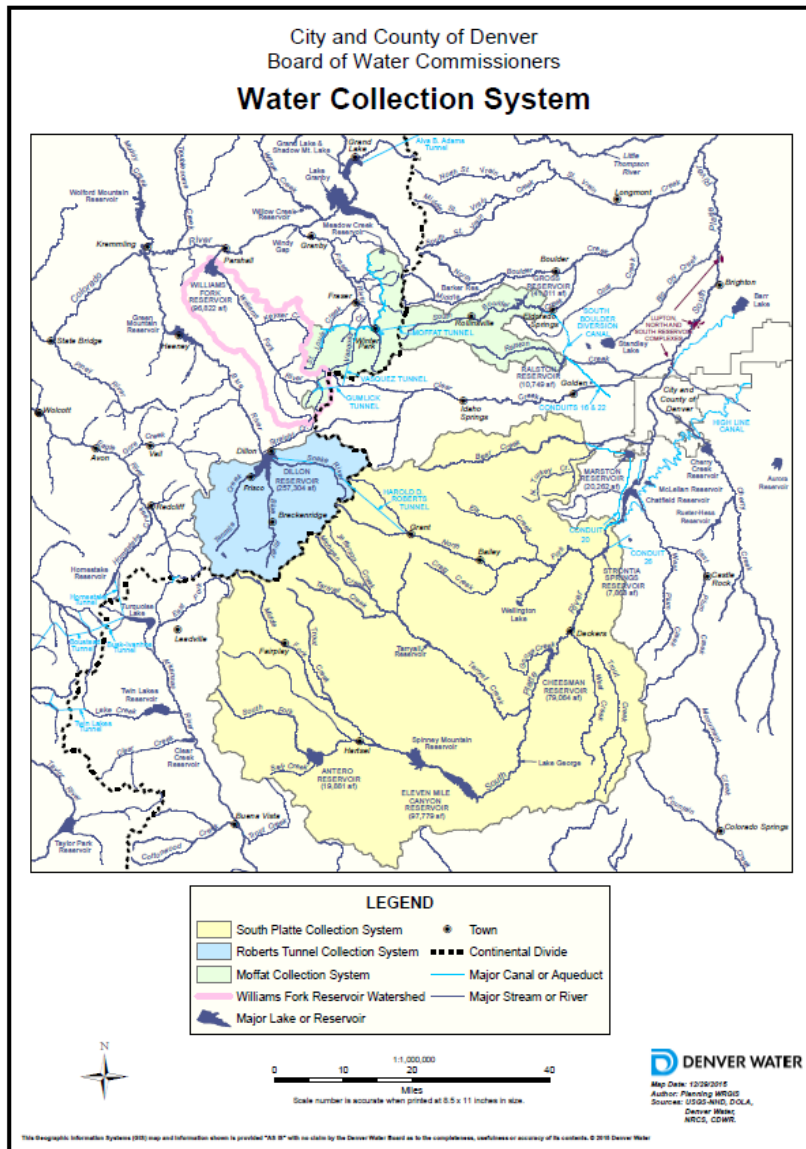
- We serve 1.4 million people (in 5 counties)
- We serve 25% of the state's population with 2% of the water
- 80% of our water comes from snowpack
- We are separate from the City and County of Denver
- Do not receive any tax funding





DENVER WATER

Where Your Water Comes From



Water comes from 7 watersheds

- Major:
 - South Platte
 - Blue River
 - Williams Fork
 - Frasier
- Minor:
 - South Boulder Creek
 - Ralston
 - Bear Creek
- About 50/50 west slope, east slope water

Conservation and Water Efficiency: Why Care?

- Good for the environment
- Population growth & increasing water insecurity (climate change)
- Helps to keep water costs down
 - new supply is expensive
- 94% of Denver area customers agreed conservation is critical for the future of the community

Denver Sustainable Neighborhoods

Sustainable Neighborhoods Congress Park Annual Update



Certification Status

Current Credits/Credits Required: 33/100
Program Status: First Year Program Participant
Certification Credit Deadline: August 11th, 2017



Engagement

162 Congress Park residents participated in projects, events and workshops.

Partnerships

11 City agencies and local organizations partnered with Congress Park

Partners

Congress Park Neighbors, Inc.
Congress Park Neighbors Green Team
Denver Solid Waste Management
Golden Solar
SunRun
Clean Energy Collective
Capitol Heights Presbyterian Church
Certifiably Green Denver
Denver Recycles
New World Cheese Shop
Peace Walk

Number of Projects by Goal Area



2016 Highlights

Within a few short months, Congress Park organized and executed several successful sustainability events, ranging from alley clean-ups, to recycling workshops, to online interviews with solar installers, and SEED circle gatherings.

Plans for 2017

In partnership with Certifiably Green Denver, Congress Park Neighbors Green Team hopes to add more sustainable businesses to the neighborhood to encourage the formation of a Green Business District. Congress Park is also looking forward to organizing their first Earth Day Event, and continue SEED circle meetings.



A program administered by:
 DENVER
ENVIRONMENTAL HEALTH
@DenEnviroHealth

SustainableNeighborhoodNetwork.org/Denver
DenverGov.org/EnvironmentalHealth

Indoor Opportunities

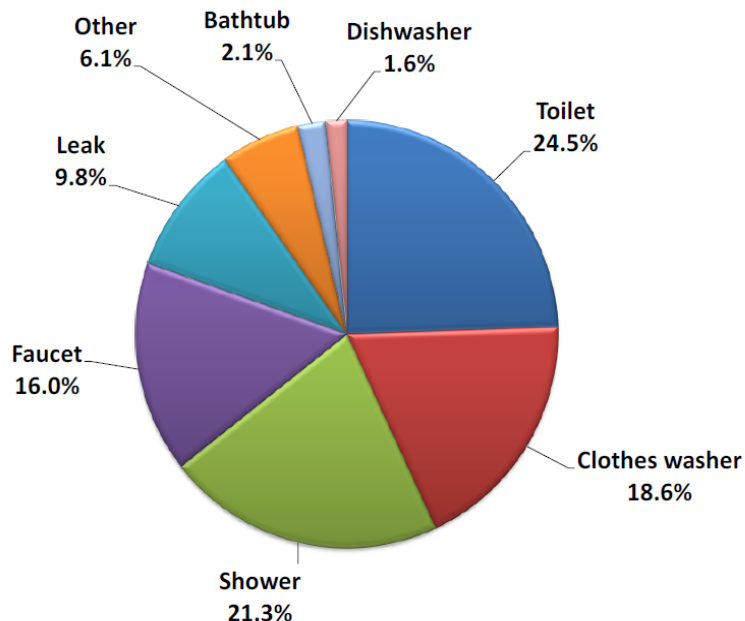


Figure 5: Indoor residential water use pie chart - Denver, Colorado 2012

Source: 2011 Residential End Use Study update performed by the Water Research Foundation

- Toilets
 - High Efficiency Toilet (HET): 1.28 gal
 - Ultra High Efficiency Toilet (UHET): 1.1 gal or below
 - Denver Water offers rebates for WaterSense labeled UHET
- Showerhead
 - Recommend WaterSense Labeled 2.0 gal or below
- Sinks
 - Bathroom 1.0 gal or below
 - Kitchen 1.5 gal

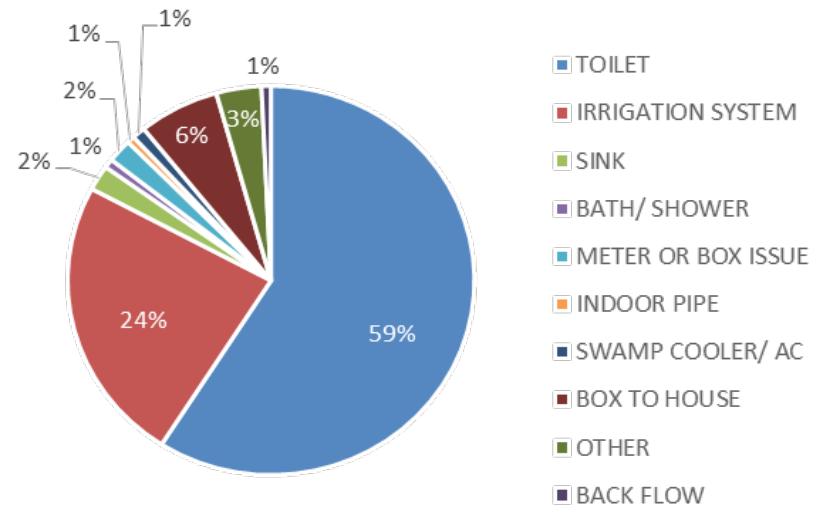
[Rebate Information](#)

Residential Leaks

Findings of 2015 Single Family Audit Study


- Leaks: 55% of audits had at least one leak
 - Toilets easily the biggest problem
- Excessive Watering was found at 22% of all audits
 - 50% of those with *Smart Controllers* overwatered

Leaks by Type (in audits with leaks)



Additional Indoor Resources

[Español](#) [Customer Support](#) [Emergencies](#) [Contact Us](#) [303-893-2444](#) [Pay Bill](#) [My Account](#)

 I am a Residential Customer Go

[Water Service & Support](#) [Billing & Rates](#) [Conservation](#) [Water Quality](#) [Supply & Planning](#) [Recreation](#) [Construction Projects](#) [Education & Outreach](#) [About Us](#)

Conservation

- Tips & Tools**
 - Repair Leaky Toilet
 - Repair Leaky Faucet
 - Replace & Retrofit
 - Where Your Water Goes
 - Outdoor
 - Indoor
 - Commercial
- Your Water Consumption History
- Water Use Rules & Regulations
- Rebates
- Single-Family Residential Audits
- Commercial and Multifamily Services
- Conservation Plan
- Use Only What You Need
- WaterSense
- Soil Amendment Program
- Remodel Your Yard
- Weather Reporting
- Resource Links

Home → Conservation → Tips & Tools

Tips and Tools


Conservation Tip of the Month: August

To save water indoors, reduce the number of times you run your garbage disposal by composting your non-salty, non-greasy, non-dairy foods. Even if you live in an apartment, you can still [compost](#) by learning to do worm-composting. Compost can also be made from your fall leaves. Ask your Colorado State University [Cooperative Extension](#) agent for more details.

Get more [monthly tips](#).

Monthly Tips

Also sign up for monthly tips. Once a month we will [send you an email](#) with seasonal tips for reducing outdoor water usage and lowering your water bill.



Tools

- Order your FREE [Water Wise Landscape Handbook](#), full of tips to help you cut your water use.


Questions?

Questions regarding water conservation can go to [Customer Care](#), 303-893-2444.

Visit [Denver Water's Website](#) for additional information

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12/26/2017

 DENVER WATER

Outdoor Opportunities

- Prioritize your landscape and outdoor space
- Know your water use
 - Check your irrigation clock and run times
 - Monitor your water use
 - Regularly check for leaks and misaligned heads
- Xeriscape turf areas you don't use
- Consider rain barrels for small spaces



DENVER WATER

I am a

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[Home](#) → [Conservation](#) → [Tips & Tools](#) → [Outdoor](#)

Outdoor Tips

Denver Water's [summer watering rules](#) are in effect May 1 to Oct. 1. There are no assigned water days, but customers may water no more than three days per week. Lawn watering is not allowed between 10 a.m. and 6 p.m. to prevent losing water to evaporation.

Remember that each lawn is different, depending on the soil, amount of sunlight it receives and landscaping factors. Use the [watering times chart](#) as a guideline, but experiment with your lawn. Watering your lawn in [cycles](#) — five minutes on, five minutes off — to allow water to penetrate the soil and create a healthier lawn with less water. And try taking two minutes off the watering times for each zone. If that works and your lawn stays green, take off another two minutes.

Monthly Tips

Also sign up for monthly tips. Once a month we will [send you an email](#) with seasonal tips for reducing outdoor water usage and lowering your water bill.

Conservation

Tools

[Find a Leaky Toilet](#)

[Find a Leaky Faucet](#)

[Leaky Faucet & Retrofit](#)

[Where Your Water Goes](#)

Outdoor

[Watering Your Lawn](#)

[Choose the Right Grass](#)

[Using Compost](#)

[Vegetable and Flower Gardens](#)

[Tree Care Guide](#)

[Water-Wise Landscape Handbook](#)

[Swimming Pools](#)

[Other Outdoor Water Use](#)

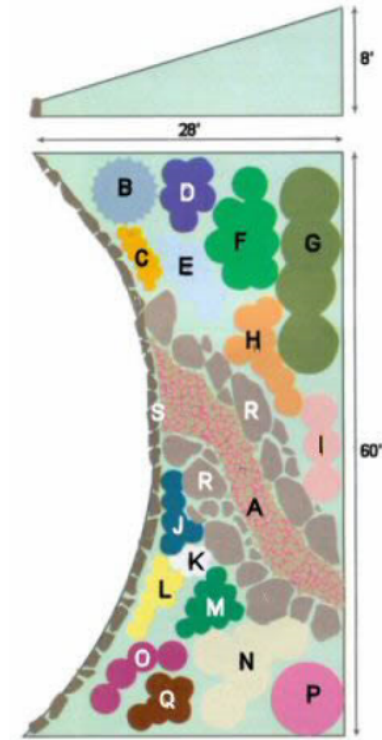
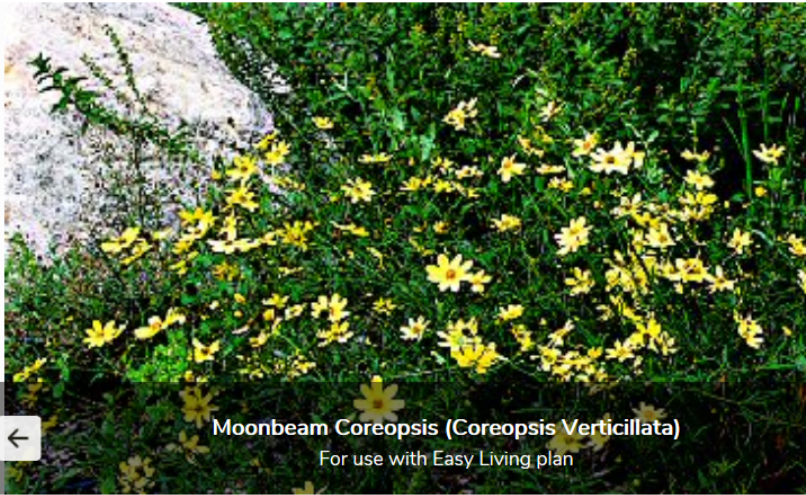
[or](#)

Congress Park Recommendations: Consider Changes to Narrow Strips and Slopes



- Sloped spaces pose significant challenges for irrigation
- Narrow strips often result in inefficient irrigation
- Cycle and soaking will build more resilient roots/ plants
- Don't water during the day- much more will evaporate
- Make sure your programming is correct

Low-Maintenance



The Rainbow's

The Straight

77 Sunset

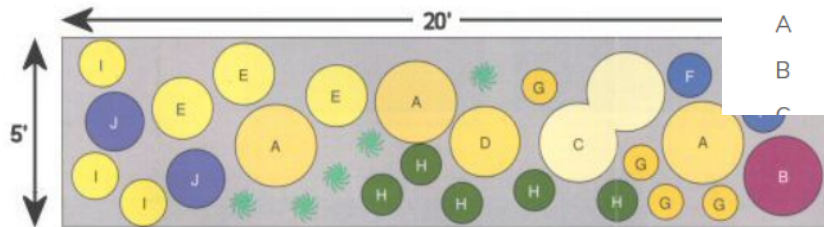
Go Native Plan

Wh

and Narrow Plan

Strip Plan

Gets



The Good Earth - Southern Exposure Plan: Designed by Sara Delaloye

Code Quantity Common Names

A 3-4 flats River of starburst iceplant
B 1 Icee blue juniper
C 11 Sulfur flower

Botanical

Delosperma floribundum "Starburst"
Juniperus horizontalis "Icee Blue"
Eriogonum umbellatum

Designed by Marcia Tatroe, registered landscape architect

Code Quantity Common Names Botanical

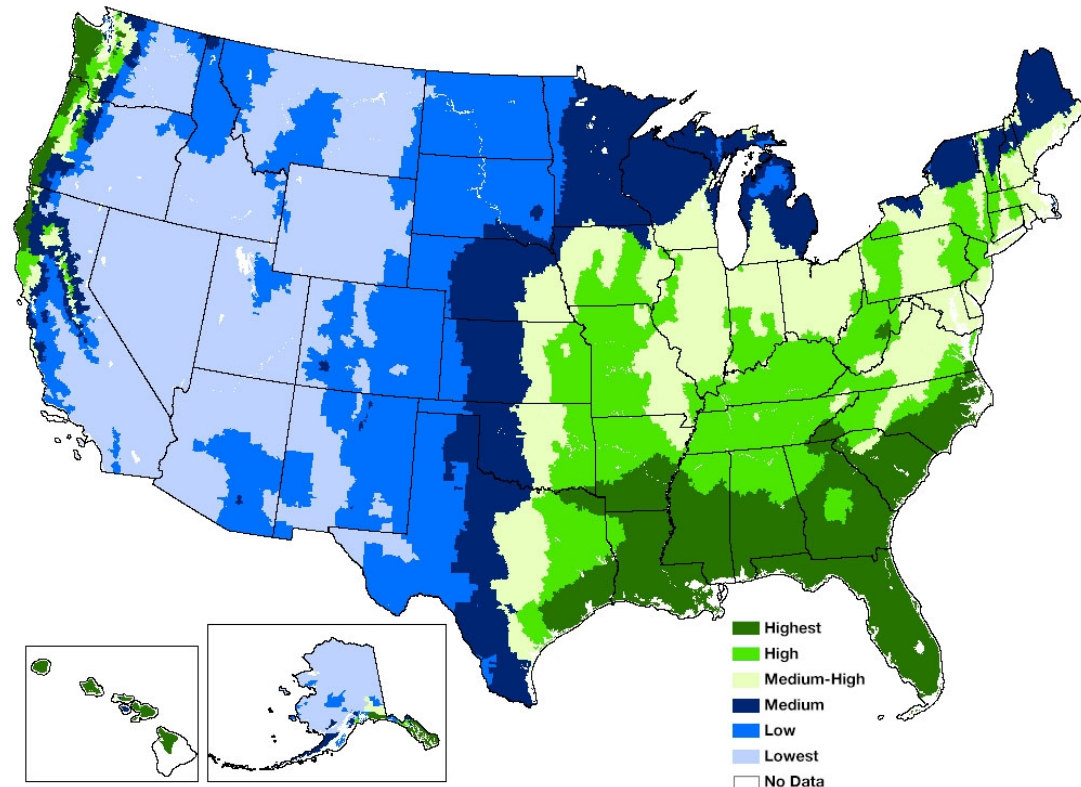
Rain Barrels: yes they are legal!



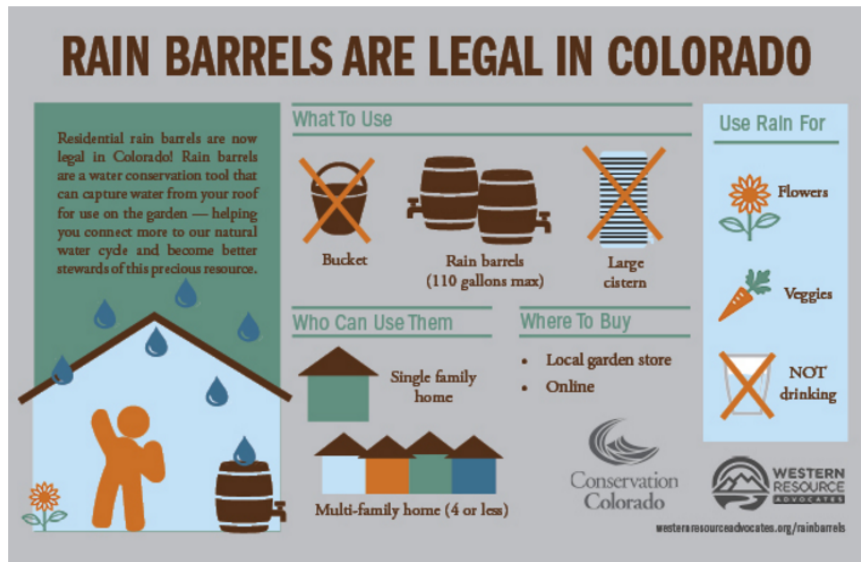
- Single Family or attached multi-family homes
- Limit to two with up to 110 gallon storage capacity
- For outdoor use only (not to drink)

Things to consider:

- Size of the space you are supplementing
 - Veggie gardens: great
 - Entire areas of turf: less so
- Consider how often it rains in Denver
- Can you section off that space from irrigation system?



Additional Resources: Rain Barrel



- General Rain Barrel overview
 - [Colorado State University](#)
 - [Conservation Colorado](#)
 - [CO Division of Water Resources](#)

- How to install a rain barrel-  **DENVER WATER**
Tree People

Additional Resources: Xeriscape

- Denver Water- [Xeriscape basics](#)
- Denver Water- [Xeriscape Plans](#)
- [Xeriscape Colorado](#)
- Colorado State University- [plant guide](#)
- Center for ReSource Conservation- [Garden in a Box](#)
- [Denver Botanic Gardens](#)



QUESTIONS?

michael.thomas@denverwater.org

Denverwater.org/conservation