



City of Brighton Water Management Plan

City Staff Representative: Marc Johns, Interim Utilities Director



Strategic Focus Area



*Supportive & Sustainable
Infrastructure*



Engaged



Innovative



The Plan

Get all options out to maximize impact

- Rebates
- Consultations
- Slow the Flow
- Garden in a Box
- Educational Webinars
- Incentives
- Lawn Conversion
- Community Outreach
 - Water Conservation Poster
 - My Water Pledge
 - Yard Signs
- Water Schedule
 - Not currently defined
 - Can be adopted by resolution



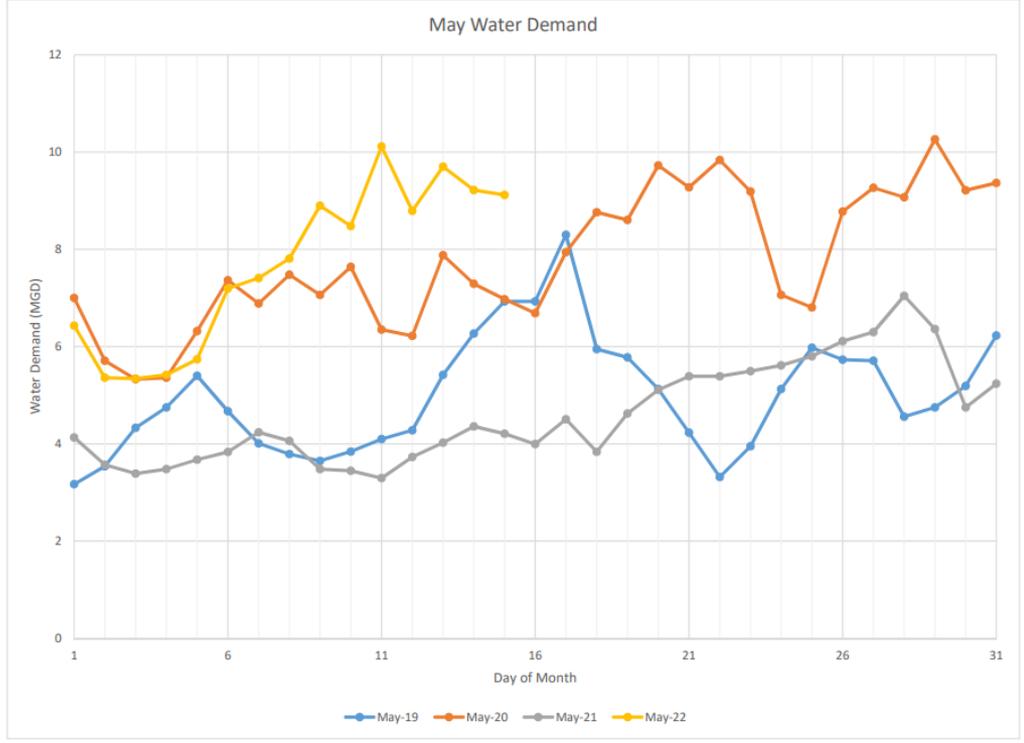
What is the Goal ?

The Goal is to achieve a 20% reduction in water demand over the irrigation season.

2022 projected demand	13.21 MGD
reduction	<u>x 20%</u>
Savings	2.6 MGD



May Demand





Proposed Water Schedule

- Irrigation season would be defined as
May 1st to September 30th
- NO residential watering from 10am to 6pm
- Water 3 days a week or less



Watering Specifics

- NO sod installed from June 1st to September 30th
- Flyers on doors for offenders
- Four strike system as defined in Sec.13-4-180(d)
 - First and second offense is a warning.
 - Third offense is a \$22.50 fine
 - Fourth offense is a written citation and mandatory court appearance, minimum \$50 fine and court fees.



Advantages of a Water Schedule

- Allows for scheduled usage
- Less strain on system
- Reserves water supply for emergency situations
- Ability to fine for misuse of water
- Reduced risk of system pressure loss (CDPHE involvement, boil order) due to high demand



Lawn Watering Times

Watering Months	Minutes to Water Per Zone			
	Fixed Spray Heads	Rotor Heads	Rotary Nozzles	Manual Sprinklers
January–April	Water trees/shrubs as needed.			
May	12	24	30	18
June	17	35	43	26
July	18	36	45	27
August	14	27	34	20
September	11	23	28	17
October–December	Water trees/shrubs as needed.			

These times are based on a sprinkler system running at an efficient level.

Watering is not allowed between 10 a.m. and 6 p.m.



Visit denverwater.org/Lawn for more information and tips.

Outdoor Watering Rules are in effect May 1 to Oct. 1.

These times are based on a sprinkler system running at an efficient level. Watering is not allowed between 10 a.m. and 6 p.m.

This chart is a starting point for the number of minutes to water each sprinkler zone on the days you determine watering is needed. These times are averages. Adjust your watering minutes based on rainfall, type of grass or plants, sunny or shady locations and other characteristics.

Watering two days a week should be sufficient during most of the summer.

If needed, water a third day during extreme heat or dry periods. Water trees and shrubs as needed, but not between 10 a.m. and 6 p.m. Shrubs and perennials need half as much water as lawns.

There are no assigned watering days, but never water a zone more than three days per week.



AURORA'S RULES FOR OUTDOOR WATER USE

WATERING MONTHS	POP-UPS	ROTOR HEADS	ROTARY
	MINUTES PER ZONE/ 3 TIMES PER DAY		
MAY 2 days per week	4	8	13
JUNE 2 days per week	8	14	23
JULY 3 days per week	5	10	15
AUGUST 3 days per week	5	9	15
SEPTEMBER 2 days per week	6	11	17

LAWN WATERING RECOMMENDATIONS

These runtimes are meant to be used as part of the cycle-and-soak method, which helps water seep into the soil where you want it and encourages healthy root systems. Here's an example of how to reset your controller for May:

-  Adjust the number of days per week.
May example: Two days
-  Set the runtime for each zone based on the month and sprinkler type.
May example: Four minutes for pop-ups.
-  Schedule the start times an hour apart.
May example: Start times at 4 a.m., 5 a.m. and 6 a.m.

To receive weekly schedules adjusted to recent weather, sign up for Know Your Flow at AuroraGov.org/KnowYourFlow.



Summary

Staff recommendation is to adopt a resolution, as outlined in City Code, that states the following:

- No sod installed from June 1st thru September 30th
- Irrigation season is May 1st to September 30th
- NO residential watering from 10am to 6pm
- Water 3 days a week or less

A schedule will be evaluated and come in front of the Council annually



Input?