

UTILITIES
Water Resources Division

Brighton

City of Brighton Water Management Plan

City Staff Representative: Marc Johns, Interim Utilities Director

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Strategic Focus Area



Supportive & Sustainable Infrastructure Engaged Innovative

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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

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What is the Goal ?

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

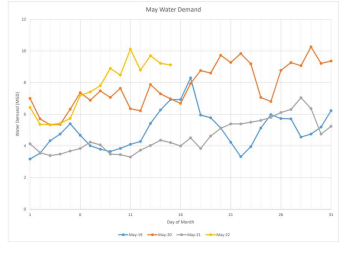
| | |
|-----------------------|---------------|
| 2022 projected demand | 13.21 MGD |
| reduction | $\times 20\%$ |
| Savings | 2.6 MGD |

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May Demand



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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

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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.

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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

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Lawn Watering Times

Minutes to Water Per Zone

| Watering Months | Fixed Spray Heads | Pop-Ups | 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 | 22 | 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.

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AURORA'S RULES FOR OUTDOOR WATER USE

WATERING MONTHS

| WATERING MONTHS | POP-UPS | ROTOR HEADS | ROTARY |
|------------------------------|---------|-------------|--------|
| 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 read 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 on 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.

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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

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Input?

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