



division of  
**Facilities Construction  
and Management**

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# STATEWIDE WATER REDUCTION EFFORTS

Jim Russell | David Griffin | Andy Marr  
September 2022

# EXECUTIVE ORDER 2021-10





Spencer J. Cox

Governor

EXECUTIVE ORDER

2021-10

*Requiring Water Conservation Due to Drought Conditions*

2. A state governmental entity may not water landscapes at a state facility between **10:00 a.m. and 6:00 p.m.**
3. A state governmental entity shall do the following at all state facilities:
  - a. follow the **conservewater.utah.gov** weekly lawn watering guide;
  - b. evaluate opportunities to update irrigation technology with devices that are WaterSense certified and include rain and wind shutoff functions and soil moisture sensors;
  - c. manually shut off systems during rain and wind events in areas without rain and wind sensors;
  - d. audit and **repair all landscape irrigation systems** so they are operating at maximum acceptable efficiency;
  - e. evaluate opportunities to limit turf areas surrounding facilities and replace turf with waterwise plants;
  - f. evaluate opportunities to replace inefficient plumbing fixtures with WaterSense certified low-flow fixtures;
  - g. evaluate **opportunities to update facility - management** technology to include metering for water-consuming

# WATER LESS

MORE INFORMATION VISIT: [DROUGHT.UTAH.GOV](https://drought.utah.gov)

# DROUGHT '21



# 2022 BUILDING IRRIGATION LIST

Facility Name	Agency	Reason For Not Complying
Excel House	Human Services State Hospital	Due to our agreement with the Upper East Union Canal Company, our watering times are only permitted during daytime hours
Applied Sciences	Utah State University	This portion of USU main campus is irrigated from secondary water from the Cache Highline Water Association from the Logan River. We work with the water association's schedules to manage our flows with the rest of the agricultural shareholders.
Health Technology	Ogden/Weber Tech	The Western Irrigation Company & North Ogden Irrigation controls our schedule
Wakara Campground	Natural Resources	The campsites are occupied from 3PM each night until 2PM the next day. The only time we can water is when a site happens to be open during the day or in between check in and check out time 2pm to 3pm. When sites are open, we comply with the Governor's order.



# 2022 SUPPLEMENTAL REQUIREMENTS

Developed in collaboration with USU/CWEL

Adds water quantity per week requirement

Prioritize turf dormancy (keep turf alive, not green)

	MAY 15 – JUN 15	JUN 15 – AUG 15	AUG 15 – OCT 15
Watering Days/Week	1	2	1
Inches of Water/Week	1/2in.	1in (weekly total)	1/2in.

# DFCM OUTREACH EFFORTS

CWEL methods to determine precipitation rate and establish distribution uniformity

Data used to improve irrigation efficiencies for turf grass

Trainings occurred regionally to include all of Utah's climates

Events open to all state entities



# HB 121







# HOUSE BILL 121

2020

BASELINE WATER  
USE

5%

REDUCTION BY  
END OF 2023

25%

REDUCTION BY  
END OF 2026



# EFFORTS

- Regular, recurring meetings with state agencies & institutions
- Identify projects that will enable agencies to meet the measures (metering, smart controllers, re-zoning and xeriscaping)
- Beginning to collect water use data for first report in October



# ISSUES

- Identifying issues that might inhibit reporting
- Some entities don't have metering
- Some agencies/institutions have reduced water consumption by 40% already



# WHAT ARE WE DOING NOW?

1

Reviewing capital requests from agencies/institutions that will be prioritized for funding

2

Finalizing baseline data and submitting to Water Resources





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# QUESTIONS