

# Water Action Plan

**CSU DOMINGUEZ HILLS**

*2021 Calendar Year Update*

## **Office of Sustainability**

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## 2021 Calendar Year Update

### Overall Usage

Since establishing the Water Action Plan in 2017, the campus was able to keep its overall consumption (reclaimed and potable) of water well below this baseline despite the full in-person return of campus personnel post COVID-19 pandemic to the tune of 35,382 CCF from 2017 levels (or 26,465,736 gallons).

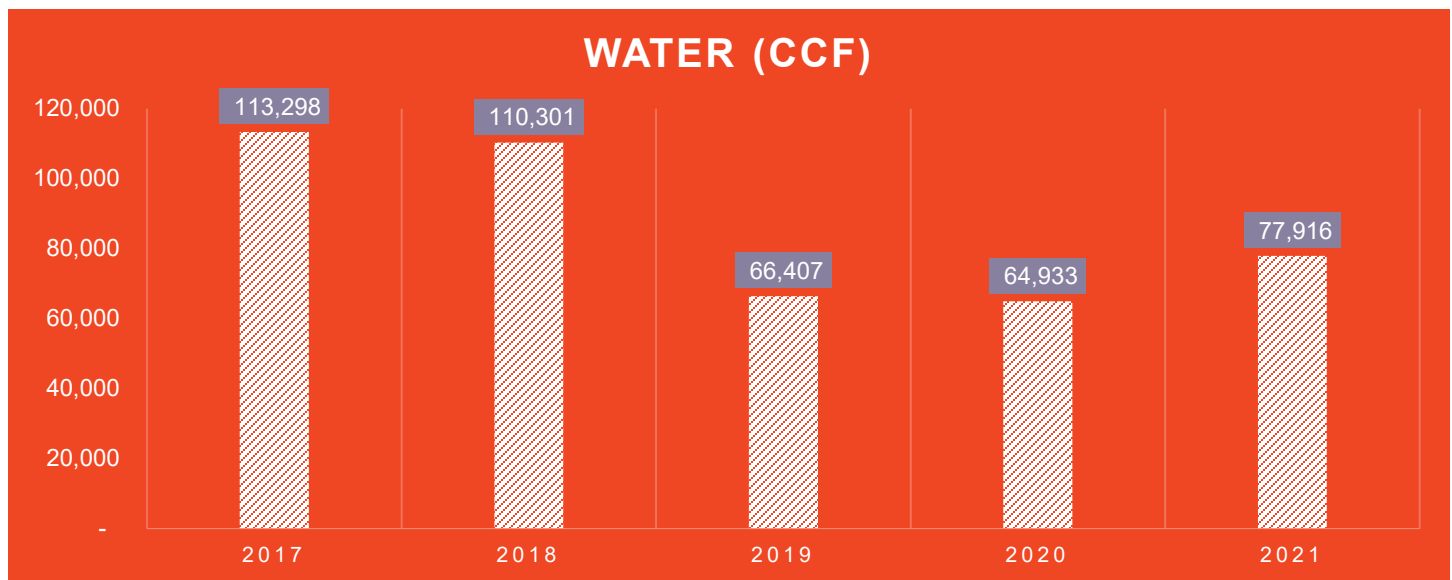


Figure 1- Total campus water consumption by calendar year for CSUDH.

### Reclaimed and Potable Water Usage

Potable water on campus is mostly used for indoor applications, with the exception of landscaping in Housing and parts of Parking Lot 7 while reclaimed water is used exclusively for outdoor irrigation.

Based on the Five Year Water Action Plan, the campus is committed to water conservation targets in all categories: potable water usage, reclaimed water usage, and overall water consumption.

Five-year comparison of actual water consumption in CCF including the 2021 calendar year is included below:

Calendar Year	Potable Water (CCF)	Reclaimed Water (CCF)	Total (CCF)
2017	51,561	61,773	113,298
2018	48,587	61,714	110,301
2019	15,369	51,038	66,407

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2020	7,842	57,091	64,933
<b>2021</b>	<b>7,370</b>	<b>70,546</b>	<b>77,916</b>

### Water Action Plan Progress

Based on the Five Year Water Action Plan, the campus exceeded its targets in the 2020 calendar year. However, campus users were mostly virtual due to the COVID-19 pandemic starting in March 2020 which significantly reduced indoor water usage on the physical campus.

Category	Goal	2021 CY Usage	Reductions Needed
<i>Net Zero Water: water consumption matches natural water balance</i>	80,228 CCF	77,916 CCF	None (+2,312 CCF)
<i>Chancellor's Office: 20% water conservation from 2013 levels by 2020</i>	76,785 CCF	77,916 CCF	<b>1,131 CCF</b>
Potable Water: 10% reduction per capita from 2013 levels	2,444.7 gallons/capita (10% from 2013 levels)	371.45 gallons/capita (14,841 FTE Employees & Students)	None (+2,073.25 gallons/capita)
Reclaimed Water: 20% reduction from 2013 levels	56,080 CCF	70,546 CCF	<b>14,466 CCF</b>

### 2021 Calendar Year Activities

To support the Water Action Plan's goals, the campus implemented several measures in the 2021 calendar year to support water conservation and efficiency. However, monitoring savings was complicated by the full return of the campus population to in-person instruction:

- Despite the addition of another major building (Innovation and Instruction) which added another 99,075 square feet of indoor space to the campus, and the full return of students, faculty, and staff to campus potable water usage per capita remained conservative and well below 2013 levels.
- Enforced code compliance on new toilets and fixtures replacing existing fixtures (1.2 gpm sinks, 1.28 gpf toilets).
- Leveraged building-level water meters to identify ongoing water leaks including at the Loker Student Union and Classroom Village.
- Continued to upgrade the CalWater sensor system to add additional irrigation points for monitoring and to support a full-time Irrigation Specialist position to identify and fix leaks in outdoor watering.

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- Outdoor irrigation/reclaimed water usage continued to escalate due to the rehabilitation of several acres of campus landscape around buildings, and high water-using turf areas (e.g. athletic fields) that were previously neglected.

## Contact Information



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