

# Water Action Plan

**CSU DOMINGUEZ HILLS**

*2018 Calendar Year Update*

## **Office of Sustainability**

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## 2018 Calendar Year Update

### Overall Usage

After establishing the Water Action Plan in 2017, the campus was able to decrease its overall consumption (reclaimed and potable) of water by 2,997 CCF (or 2,241,756 gallons) in the 2018 calendar year.

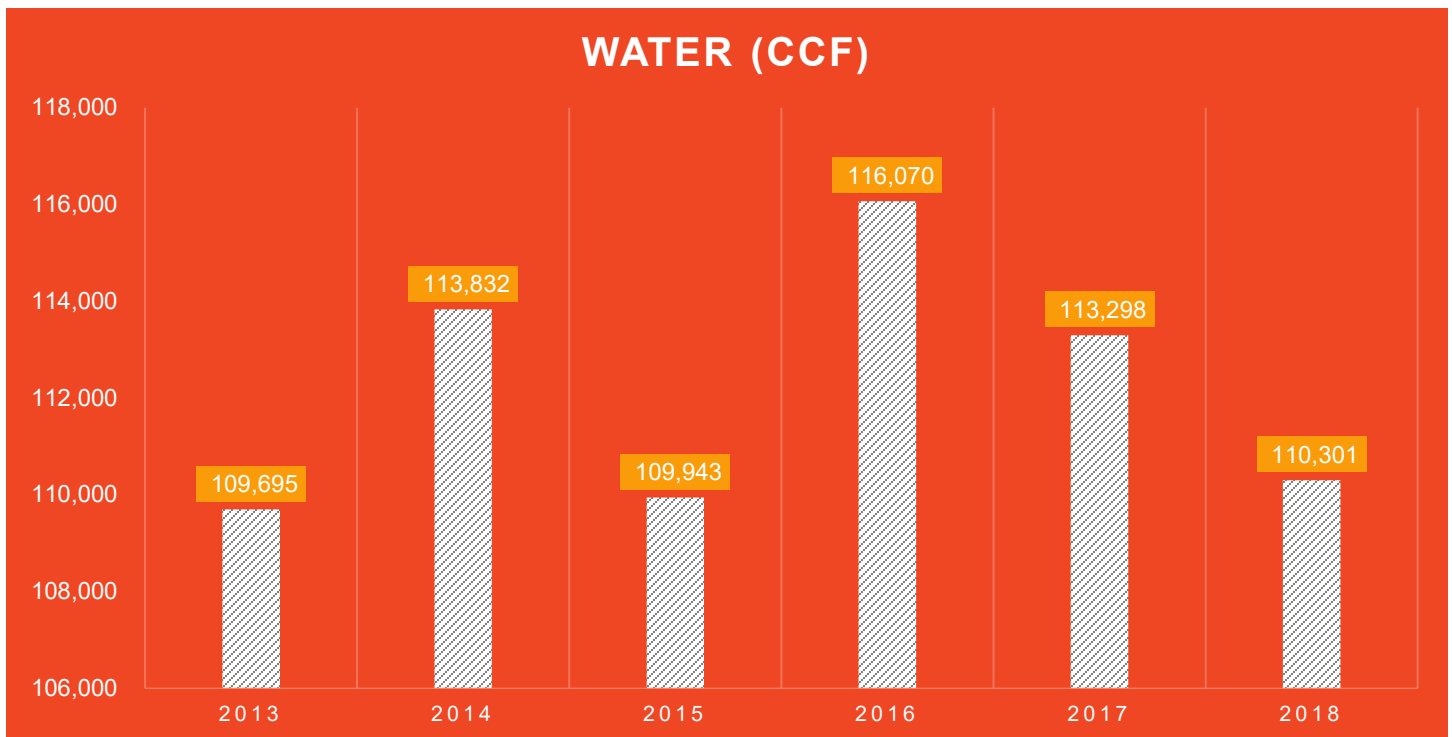


Figure 1- Total campus water consumption by calendar year for CSUDH.

### 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 2018 calendar year is included below:

Calendar Year	Potable Water (CCF)	Reclaimed Water (CCF)	Total (CCF)
2014	40,360	73,472	113,832

2015	42,933	67,009	109,943
2016	52,963	63,107	116,070
2017	51,561	61,773	113,298
<b>2018</b>	<b>48,587</b>	<b>61,714</b>	<b>110,301</b>

### Water Action Plan Progress

Based on the Five Year Water Action Plan, the campus will currently require additional efforts to meet its targets despite an overall 3% reduction in water consumption in the 2018 calendar year:

Category	Goal	2018 CY Usage	Reductions Needed
<i>Net Zero Water: water consumption matches natural water balance</i>	80,228 CCF	110,301 CCF	30,073 CCF
<i>Chancellor's Office: 20% water conservation from 2013 levels by 2020</i>	76,785 CCF	110,301 CCF	33,516 CCF
Potable Water: 10% reduction per capita from 2013 levels	2,444.7 gallons/capita (10% from 2013 levels)	2,880.69 gallons/capita (12,616.1 FTE Employees & Students)	435.99 gallons/capita
Reclaimed Water: 20% reduction from 2013 levels	56,080 CCF	61,714 CCF	634 CCF

### 2018 Calendar Year Activities

To support the Water Action Plan's goals, the campus implemented several measures in the 2018 calendar year to support water conservation and efficiency:

- Facilities Services continued to respond to reports of leaks by campus users, addressing 93 placed work orders related to plumbing leaks in the 2018 calendar year.
- Continued to add water sub-meters where feasible to campus buildings and equipment.
- Integrated soft infrastructure projects to help renew water balance as part of new capital planning project design for the new science and business buildings as well as the new phase of Housing (all under construction).
- Ongoing construction of the new science building which is slated to be certified as a LEED Platinum building.
- Continued to upgrade the CalWater sensor system to add additional irrigation points for monitoring.

- Enforced code compliance on new toilets and fixtures replacing existing fixtures (1.2 gpm sinks, 1.28 gpf toilets).
- The Sustainable Landscape Committee continued to review landscape projects for ensuring compliance with the Sustainable Landscape Plan which incorporates MWELO standards for irrigation. The campus earned 2018 Tree Campus USA recognition for its management efforts.
- Students from the Office of Sustainability completed a campus-wide inventory of existing fixtures in public restrooms, identifying a priority list for retrofit based on current code standards. Based on their assessment, 92% of sinks, 37% of shower heads, 45% of urinals, and 71% of toilets do not meet current CalGreen and campus standards. Student research reports available here:

<https://www.dropbox.com/sh/gdzoaam0z0eko19/AAAJQweMpvEjr333rZgXqla?dl=0>

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