

CSU Channel Islands Sustainability Update for Third Quarter FY 2014-15

March 2015



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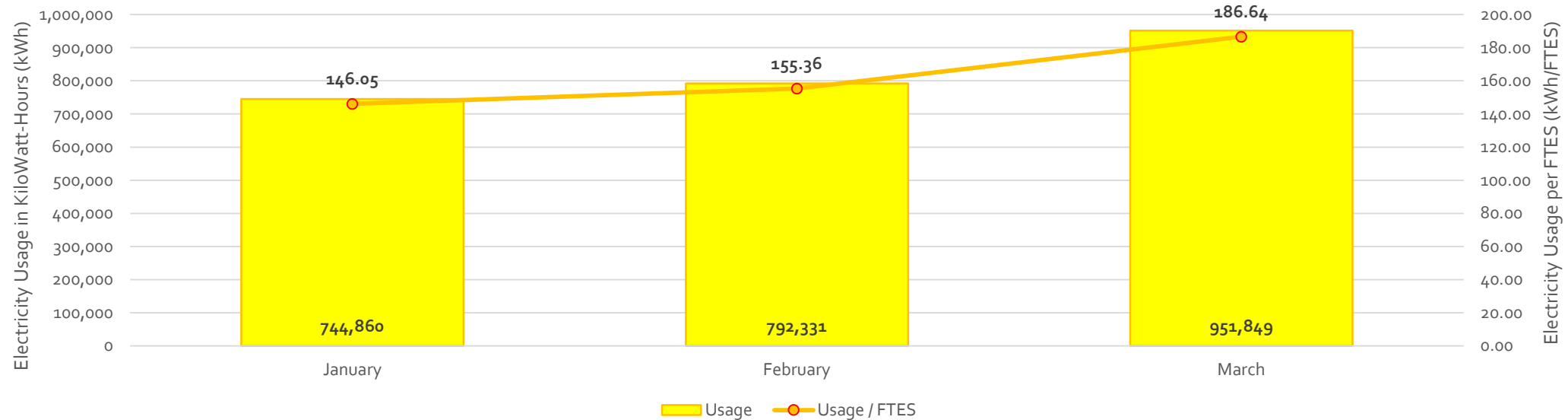
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Sustainability Report Overview

- This report is to update the CSU Channel Islands campus sustainability efforts relative to electric, water, and waste utilities billed in January - March 2014, the third quarter of FY 2014-2015. General information about the campus efforts in addition to these metrics is also presented in the conclusion.
- Each section will present graphic information about the utility along with explanation of any exceptional data. There will also be notations of recent efforts in that specific area.
- Items not specifically relevant to utilities will be addressed in the “Other Efforts” section.

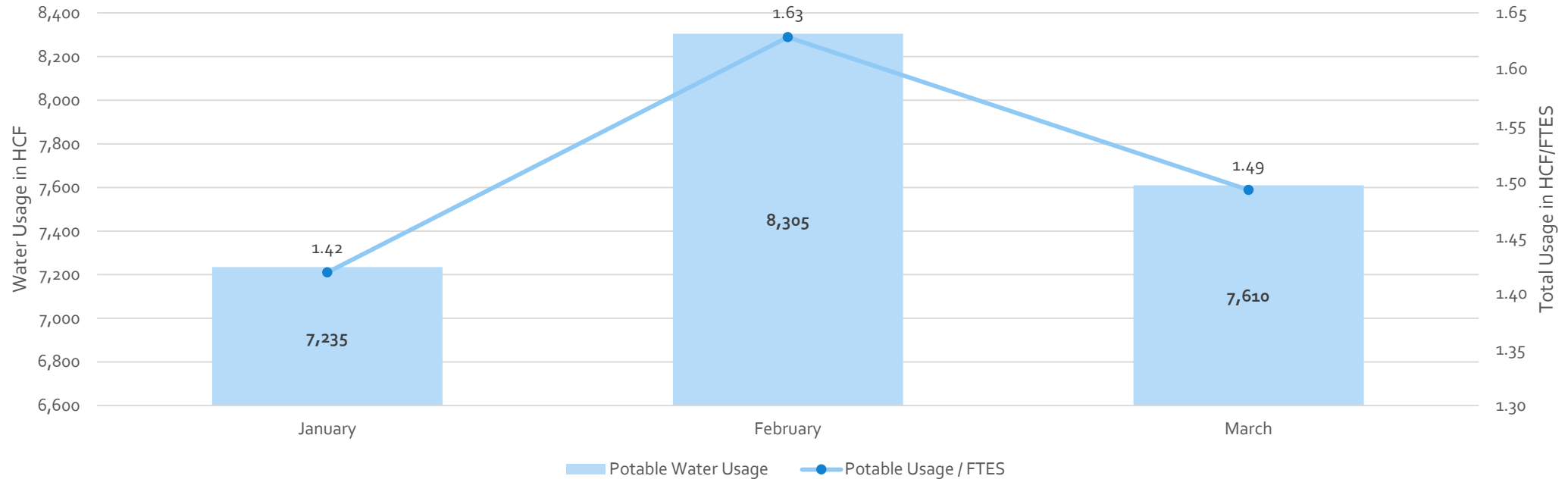
Electricity Usage

Third Quarter Electricity Usage



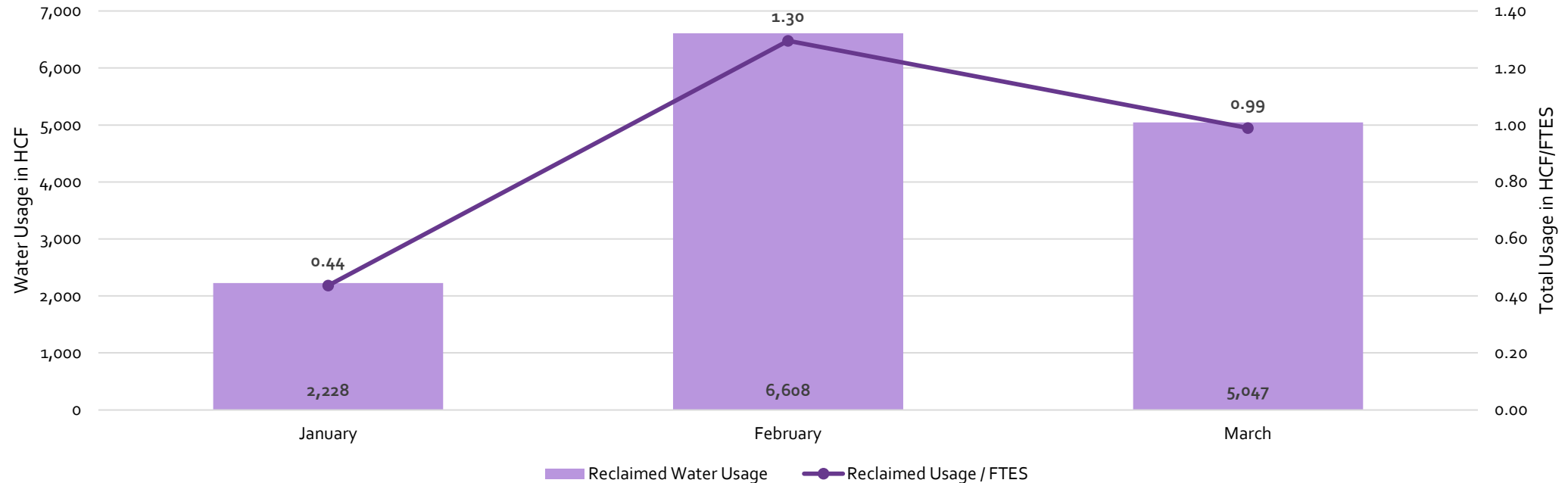
- Months listed are billed dates, and therefore lag one month from the actual usage period.
- January's billed usage was unusually low due to the absence of students, faculty, and staff during the winter break period in December. February billing, likewise, lags one month and reflects the period when the students were still on break, though normal campus staffing activity resumed.
- Facilities Services continues with projects that are replacing outdoor lighting with higher efficiency lighting systems on the sides of buildings and in parking lots.

Potable Water Usage



- The monthly data reflects billing from the previous month's usage.
- January's billing was unusually low due to the absence of students, faculty, and staff during the winter break period. So, while February's usage appears to have taken a large jump, it is only relative to the low data from January, and is actually comparable to November 2014 usage of 1.69 HCF/FTES, which is the previous month for which there was normal campus occupation.
- Facilities Services continues to install the remaining low-flow (1.6gpf or less) toilets on campus that have been purchased. Total installation is at almost 90% to-date, and should be at 100% about the end of June.
- Plumbing shop continues to make repair of identified leaks a top priority.

Recycled Water Usage

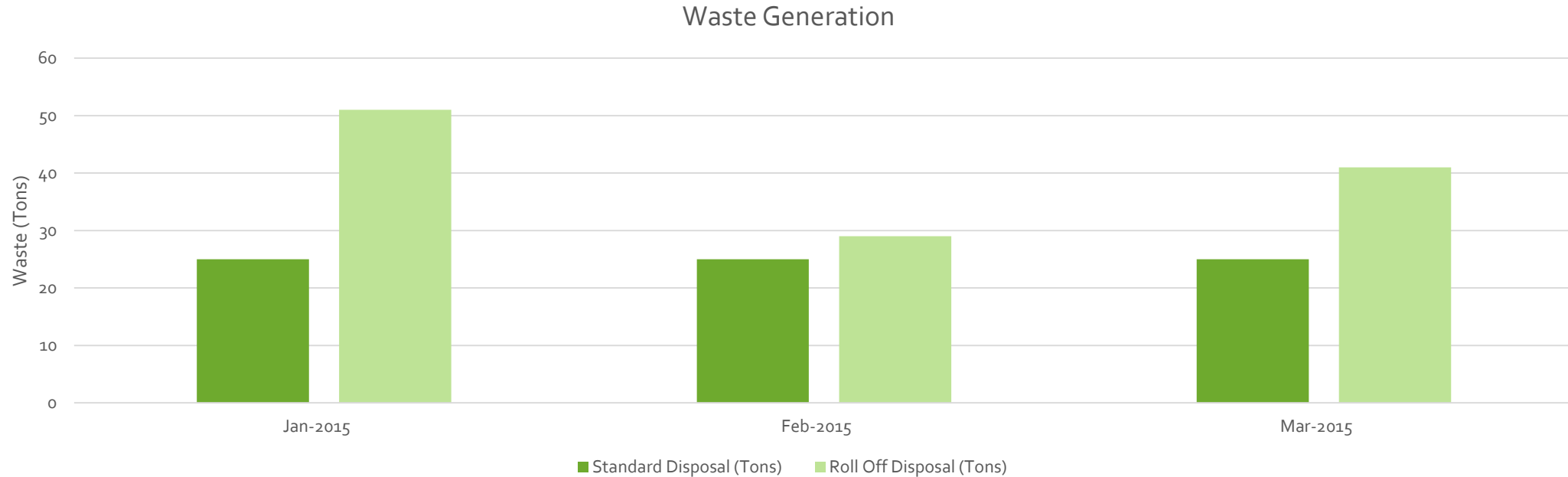


- Recycled water is currently used only for automated irrigation of landscaping. The campus uses “Smart Controllers” that control irrigation activity based upon lapsed-time AND weather data.
- With regulation by the “Smart Controllers,” use of recycled water varies particularly with weather, which is why use was down in January billing period.
- Facilities Services has several projects planned that will replace approximately 28,000 square feet of turf in the perimeter areas of the north and south quads with drought-tolerant landscaping to cut back on our recycled water usage.

Water Usage Overview

- On April 1, 2015, Gov. Brown signed an executive order directing the State Water Resources Control Board to implement mandatory water use reductions in the state by 25% over 2013 levels. ***For our local water district, this was recently defined as a minimum 32% (and possibly as much as 36%) reduction in potable usage by all customers.***
- *Diligent, conscientious efforts to conserve water are key to minimizing its usage.*
- CSU Channel Islands is currently evaluating conversion of its cooling towers in central plant to use recycled water instead of potable water.
- Consideration is being given to designing new buildings to use recycled water in the toilets.
- Water conservation has become a great focus of our community. All efforts should be made to minimize use – especially of potable water – in daily activities. If anyone should have suggestions for how to reduce use in areas other than their usual area of responsibility, please communicate it to Coleen Barsley, Sustainability and Operations Analyst with Facilities Services, at extension 3507, or email address coleen.barsley@csuci.edu. Thank you for your continued diligence in this area.

Waste Generation



- Standard disposal is what is collected from the trash / recycle receptacles around the campus. Roll off disposal is the segregated material from large projects and is classified by metal, concrete, greenwaste, wood, and cardboard.
- Roll off disposal in January had an exceptional amount of greenwaste contributing to its high level.
- Careful segregation of materials in the disposal processes helps minimize unnecessary use of landfill space and helps us keep down our rates from the waste removal contractor.

Other Efforts

- The new Sierra Hall facility is on schedule to be released from construction contractor in early June. It has several sustainable features such as daylighting controls for lighting systems, high-efficiency chilled beam HVAC systems, and air hand-dryers.
- In conjunction with the new hall, FS is working on completion of a small building that will eventually be used by Academic Affairs as a sort of laboratory for demonstrating and testing technologies that promote sustainable practices.
- As design of the new student housing progresses, sustainability issues are being addressed along the way.