

CSU CHANNEL ISLANDS
SUSTAINABILITY REPORT
FY 2018-19

First Quarter

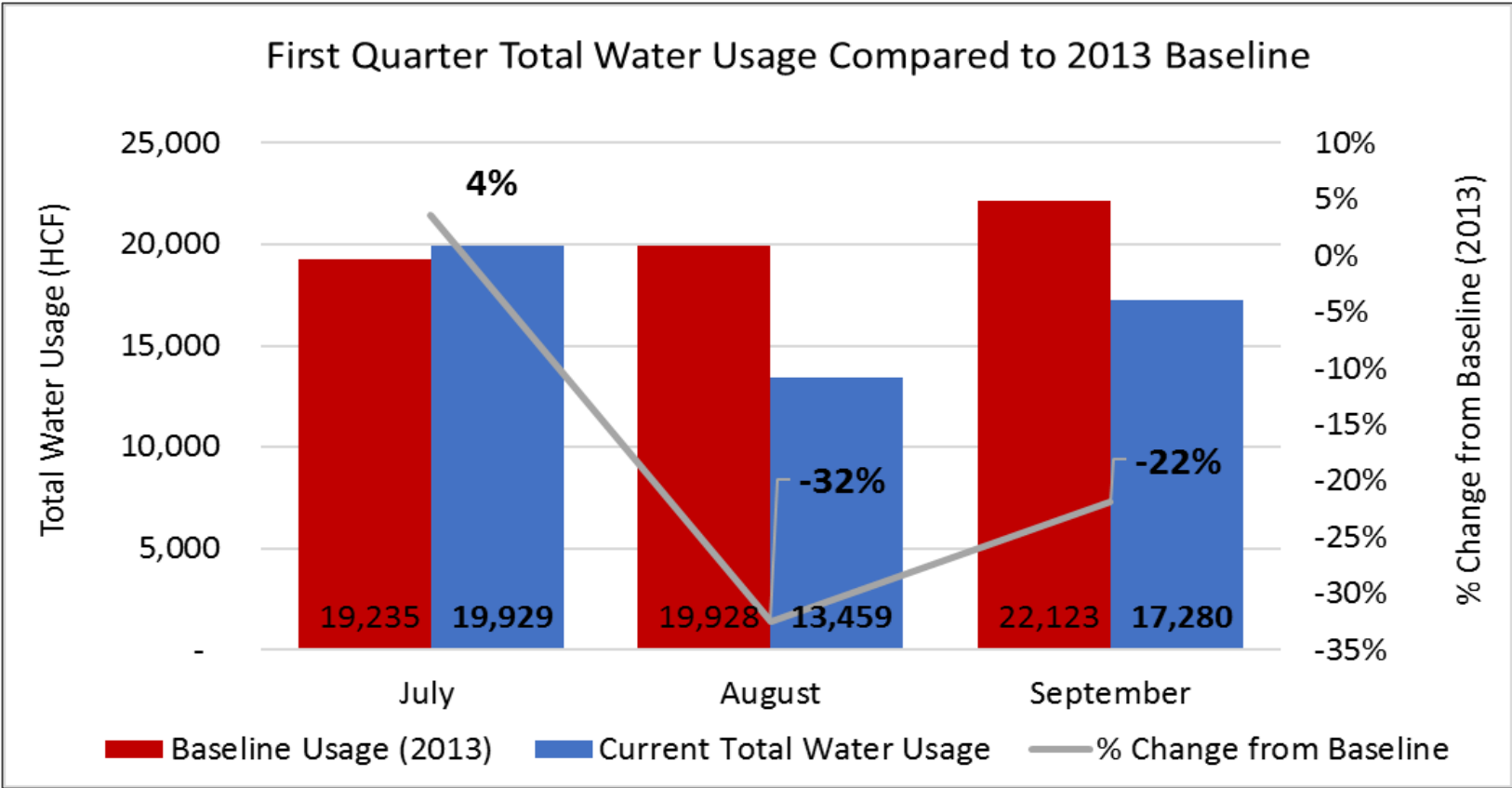
TABLE OF CONTENTS & IMPORTANT TERMS

- Total Water 3
- Potable Water 4
- Recycled Water 5
- Water Conservation Tips 6
- Electricity 7
- Total Energy 8
- Energy Conservation Tips 9
- Waste 10
- Waste Reduction Tips 11
- Sustainability on Campus 12
- Acknowledgements 14

- FTES: Full Time Equivalent Students
- GSF: Gross Square Feet
- HCF: Hundred Cubic Feet
- kWh: kilowatt hour
- BTU: British Thermal Unit
- Potable Water: Drinking water
- Recycled Water: Tertiary-treated waste water
- Baseline: the year, or years, we compare our usage to (for water: 2013, for everything else: average of 2008-2009 FY and 2009-2010 FY)

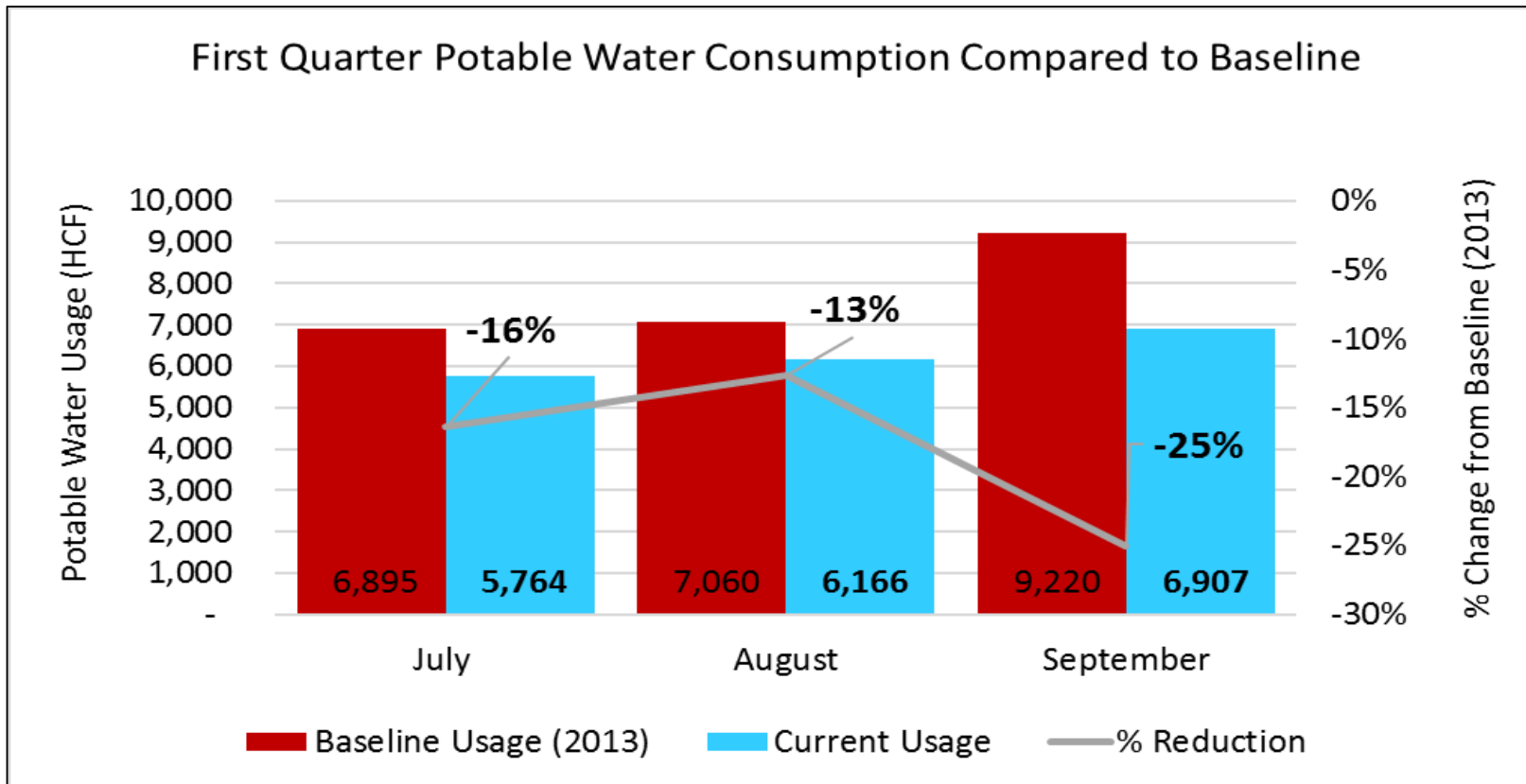
TOTAL WATER

Total Water is the combination of both our potable and recycled water usage. The CSU Chancellor's Office has set a reduction goal for total water of 20% by 2020 compared to our 2013 baseline. Variability from month to month can often be attributed to incoming students, local heat waves and increased winds. Efforts by our campus community are essential if we are to reach our reduction goals each month. Collective efforts contributed to a decrease in usage of 22% from our 2013 baseline in September.



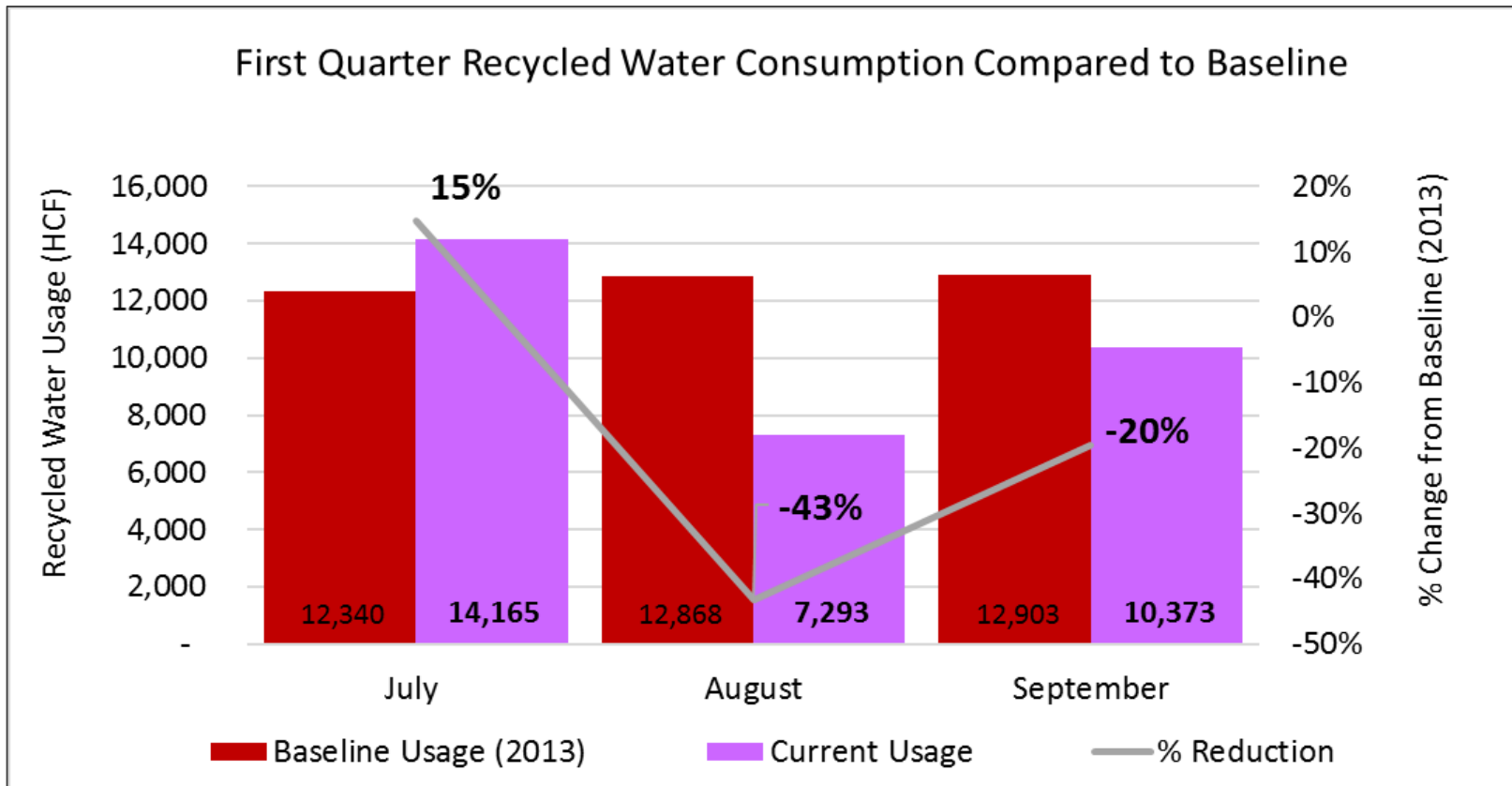
POTABLE WATER

Our municipal water provider has requested we reduce our potable water consumption by 15% from our 2013 baseline. Realizing that goal will require the participation of every member in our campus community. Campus efforts contributed to a decrease in potable water usage of 25% compared to our 2013 baseline in September, along with an overall decrease in usage from July to September.



RECYCLED WATER

Reductions in our recycled water usage are accounted for in our total water goal. We will achieve our goals by utilizing improved irrigation management systems, metering, planting more drought-tolerant plants, adding mulch, and native landscaping. High variability in usage from month to month depends on factors such as landscaping, irrigation needs, and weather. Collective efforts contributed to a decrease in recycled water usage from 15% above our baseline in July to 20% below our baseline in September.

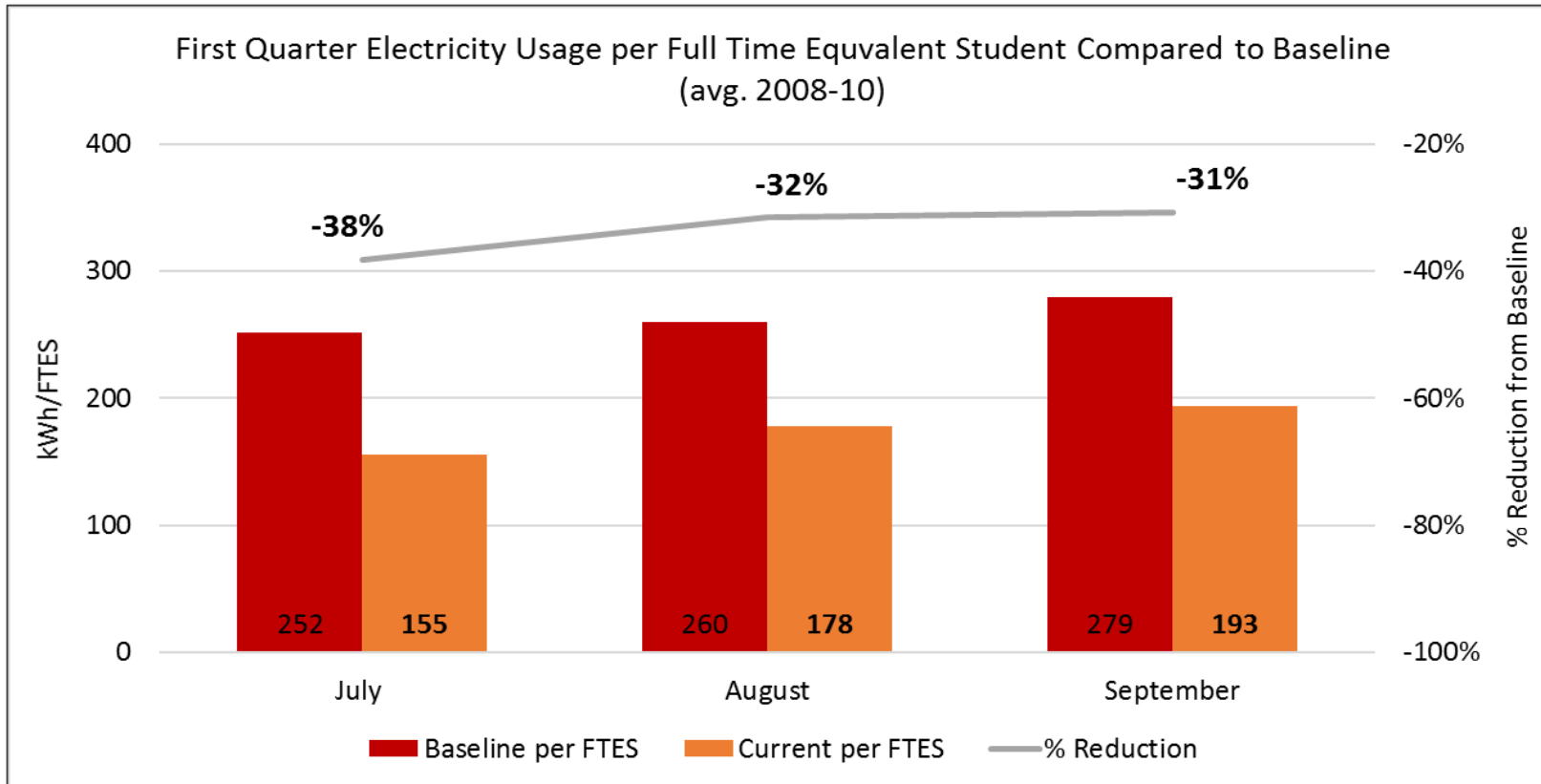


WATER CONSERVATION TIPS

- Take advantage of native and drought tolerant plants in landscaping and replace irrigated turf with wood chips, rocks or sand.
- If you have a lawn or garden that requires irrigation, program sprinklers to come on at night when evaporation is at its lowest.
- Be extremely conservative at the tap whether you're doing dishes, thawing meat, washing hands or brushing your teeth; if its not in use, it should be off. Every drop counts!
- Fix any leaks in water infrastructure immediately – that water adds up. Notify the proper authorities if the leak is not on your property. Never assume someone else is already taking care of it.
- Consider that food waste is also water waste. Approximately 80% of California's water goes to agriculture, so buy what you'll eat and compost any waste. Compost bins can be inexpensive, low-maintenance and provide a source of free, organic, nutrient-rich soil amendments.

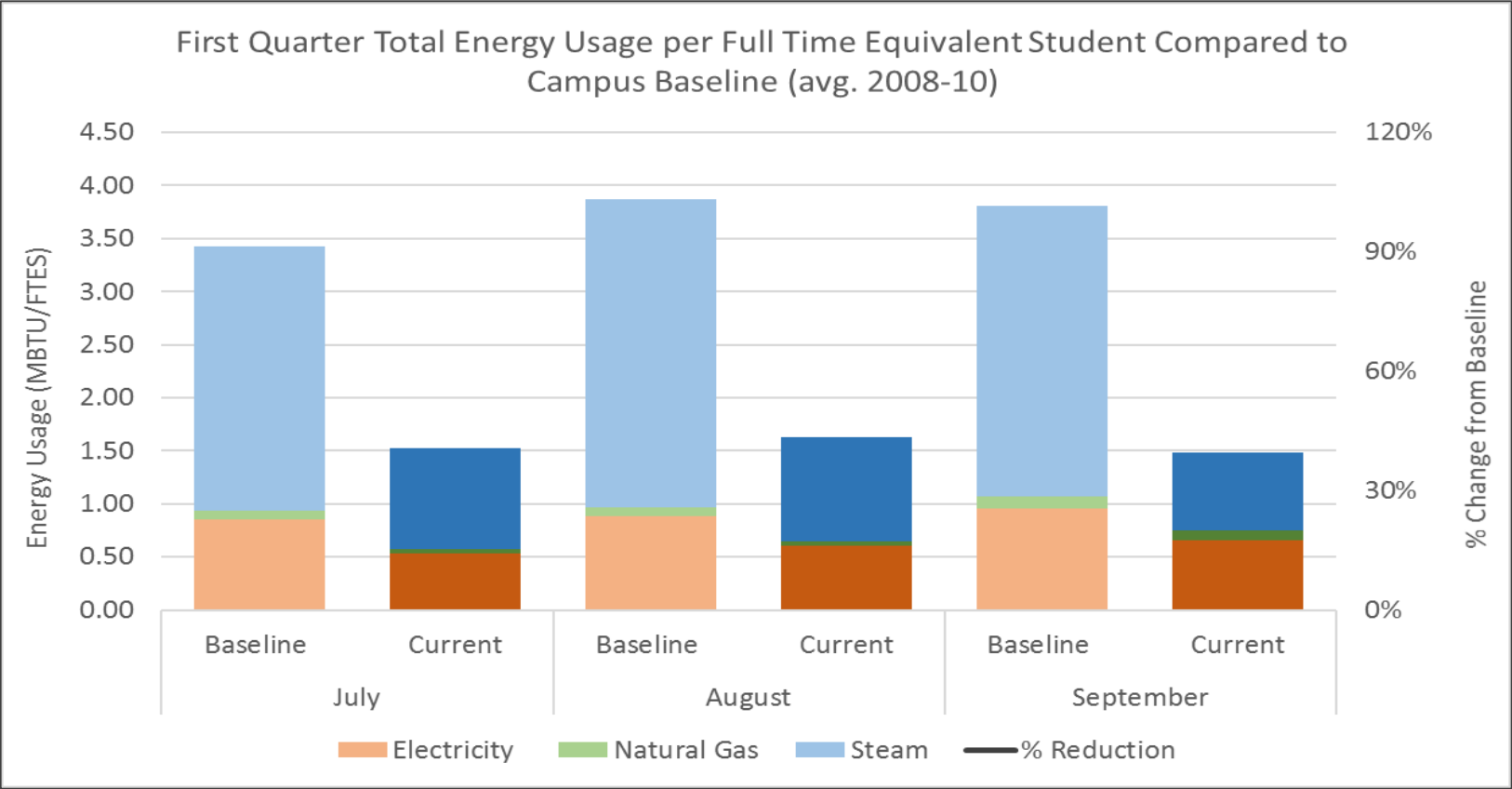
ELECTRICITY

As the campus grows, our need for more electricity increases. However, as we continue to innovate and utilize more efficient technologies, our overall electricity usage has decreased compared to our baseline (average 2008-09 and 2009-10 FY). Our goal (set by the CSU Chancellors Office) of a 25% reduction per FTES versus baseline has been exceeded each month this quarter.



TOTAL ENERGY

Total energy is our representation of all sources of energy on our campus, including electricity, steam and natural gas. Steam makes up the most amount of energy because it is used for the majority of heating hot and cold water along with space heating around CI after it's converted at our Central Plant. Electricity is used for lighting, plug loads, and various equipment around campus. Natural gas makes up the smallest amount because only a few buildings use gas for heating hot water, cooking, and space heating. Our goal is a 25% reduction per FTES versus our baseline, which we are exceeding.

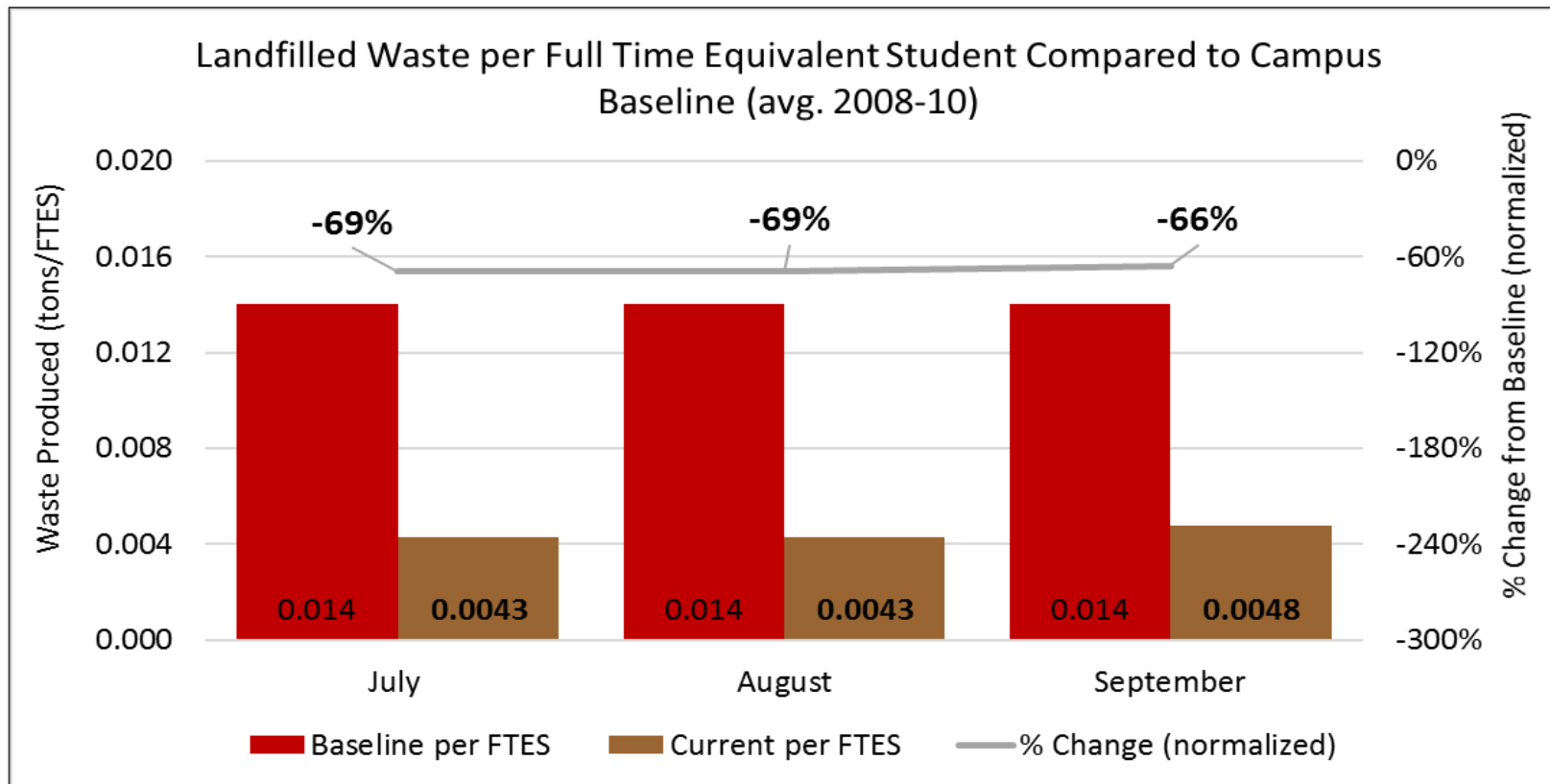


ENERGY CONSERVATION TIPS

- Avoid letting your car idle: an idling car is wasting gas and spewing pollution into the environment.
- Save money, gas, and reduce pollution by carpooling, walking, biking, or using public transportation whenever possible.
- Wear layers and use blankets or fans instead of adjusting the thermostat up or down at home or in the office.
- Make sure to close windows and doors when running air handling units - they are ineffective at changing the temperature outside!
- Make it a habit to turn off lights when you leave a room. Utilize natural light whenever possible.
- Wash clothes in cold water – it cleans just as well without having to pay to heat it.
- Unplug devices and appliances when not in use.

WASTE

The CSU Chancellors Office has set our waste diversion goal at 80% by 2020. While we consistently come very close, achieving the last ~10% towards our goal will have to come from a reduction in waste produced by our campus community. These efforts to reduce waste sent to landfills helps to lower methane emissions and minimize chemicals that can leach into our water tables. By recycling, we reduce the energy and raw materials needed to make brand new items like water bottles and other plastics.



WASTE MANAGEMENT TIPS

- Buying food from local sources reduces the carbon footprint from transport, this can be done at Farmer's Markets or through a CSA box subscription (Ventura County has many options!)
- Purchasing food in bulk helps avoid extra packaging materials, but make sure to use the product before it expires.
- Take advantage of reusable items: water bottles, coffee mugs, canvas grocery bags, Tupperware, scrap paper, batteries (rechargeable), packaging materials – be creative and instill new life into materials you paid for!
- Rinse out sauce jars instead of buying mason jars, plant seeds in rinsed yogurt cups, shred last semesters notes for hamster bedding. See materials not as they are, but for what they could be!
- Know what is recyclable and where to take it. Bring electronics to e-waste centers and compost food scraps to make your own soil.
- Avoid buying items in non-recyclable thin plastic films.

SUSTAINABILITY ON CAMPUS

On September 6, 2018, our campus got the news that we are officially the **first 4 year university in California** (in addition to being the first in the CSU system) to receive the Bee Campus USA recognition! CSUCI is now one of 51 colleges and universities in the nation to achieve this esteemed acknowledgement.



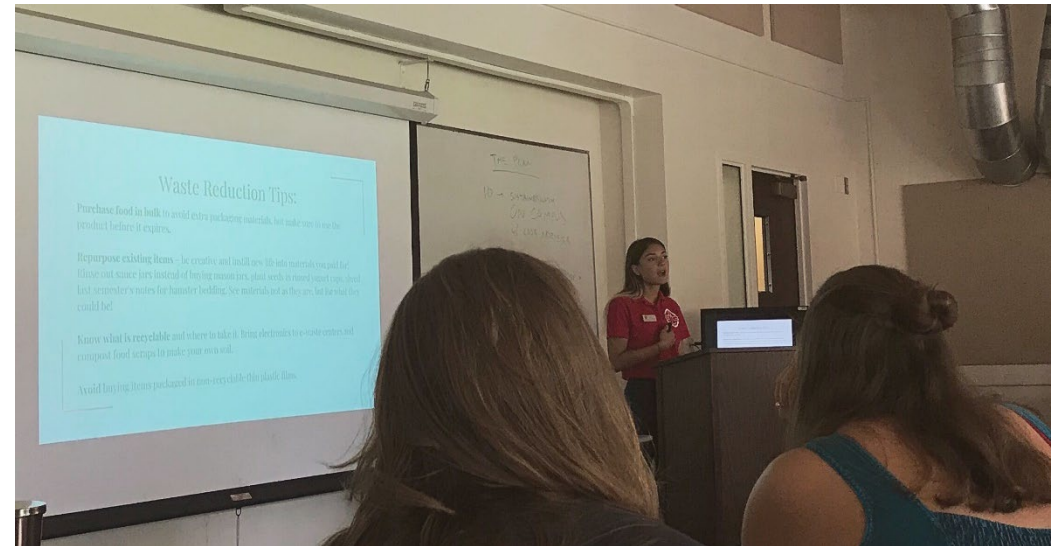
This past summer, Facilities Services worked with several departments to ensure that CSUCI was adequately meeting all standards required to be certified as a Bee Campus. The primary contributors to the achievement of these goals were Ruben Alarcon, PhD., Coleen Barsley, Jazmin Horvet, Jason Hughes, Dr. Safa Khan, Gina Matibag, Ricky Medrano, and Lisa Noriega.

SUSTAINABILITY ON CAMPUS



Facilities Services collaborated with Reiter Brothers, Inc. to repair the propagation house located behind Modoc Hall, a project that was completed in August and is now being fully utilized by Grounds and the Biology department. The labor and materials were donated to us by Reiter's, and we are forever grateful for their time and generous contribution to CSUCI!

Sustainability Student Assistant Lisa Noriega gave a presentation to Dr. Dan Reineman's Principles of Sustainability course about the operations of Sustainability in Facilities Services and what we provide to the campus. She discussed the role of student involvement in campus sustainability efforts, encouraged students to promote sustainable practices both on- and off- campus and informed the class of the sustainability-related progress we have made since the birth of our university.



ACKNOWLEDGEMENTS

CSU Channel Islands is striving for a more sustainable campus community every day.

Keep up to date between reports on our website:

<http://www.csuci.edu/fs/sustainability/index.htm>

For questions, concerns, or ideas on new sustainability efforts, please email
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Appreciation goes out to the following contributors:

- Department of Facilities Services
- Coleen Barsley, Sustainability and Operations Analyst
- Tom Hunt, Assistant Vice President for Facilities Services
 - Lisa Noriega, Sustainability Student Assistant
 - Sycora Powell, Sustainability Student Assistant