



# Channel Islands

CALIFORNIA STATE UNIVERSITY



**Sustainability Report | First Quarter FY 2016–2017**

# Table of Contents

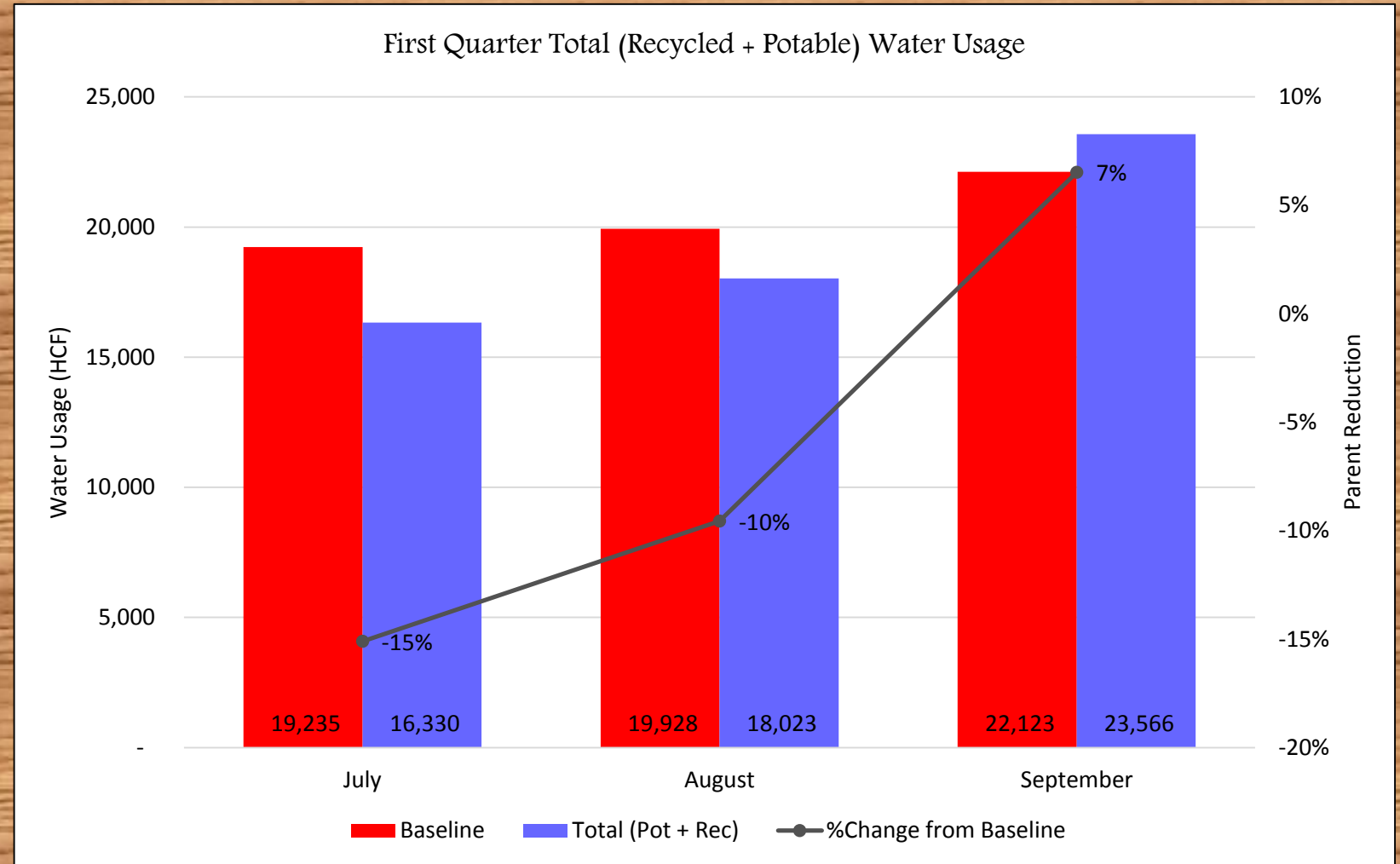
1. Total Water
2. Potable Water
3. Recycled Water
4. Water Conservation Tips
5. Waste
6. Waste Reduction Tips
7. Electricity
8. Energy
9. Energy Conservation Tips
10. Sustainability on Campus
11. Acknowledgements

# Important Terms

- FTES: Full Time Equivalent Students
- GSF: Gross Square Feet
- HCF: Hundred Cubic Feet
- BTU: British Thermal Unit, a unit used to measure total energy from different sources.
- Potable Water: Drinking water
- Recycled Water: Water that has been recycled from waste water that we use for irrigation
- Baseline: the year, or years, we are comparing our usage to (for water we use 2013, for everything else we use the average of 2008-2010)

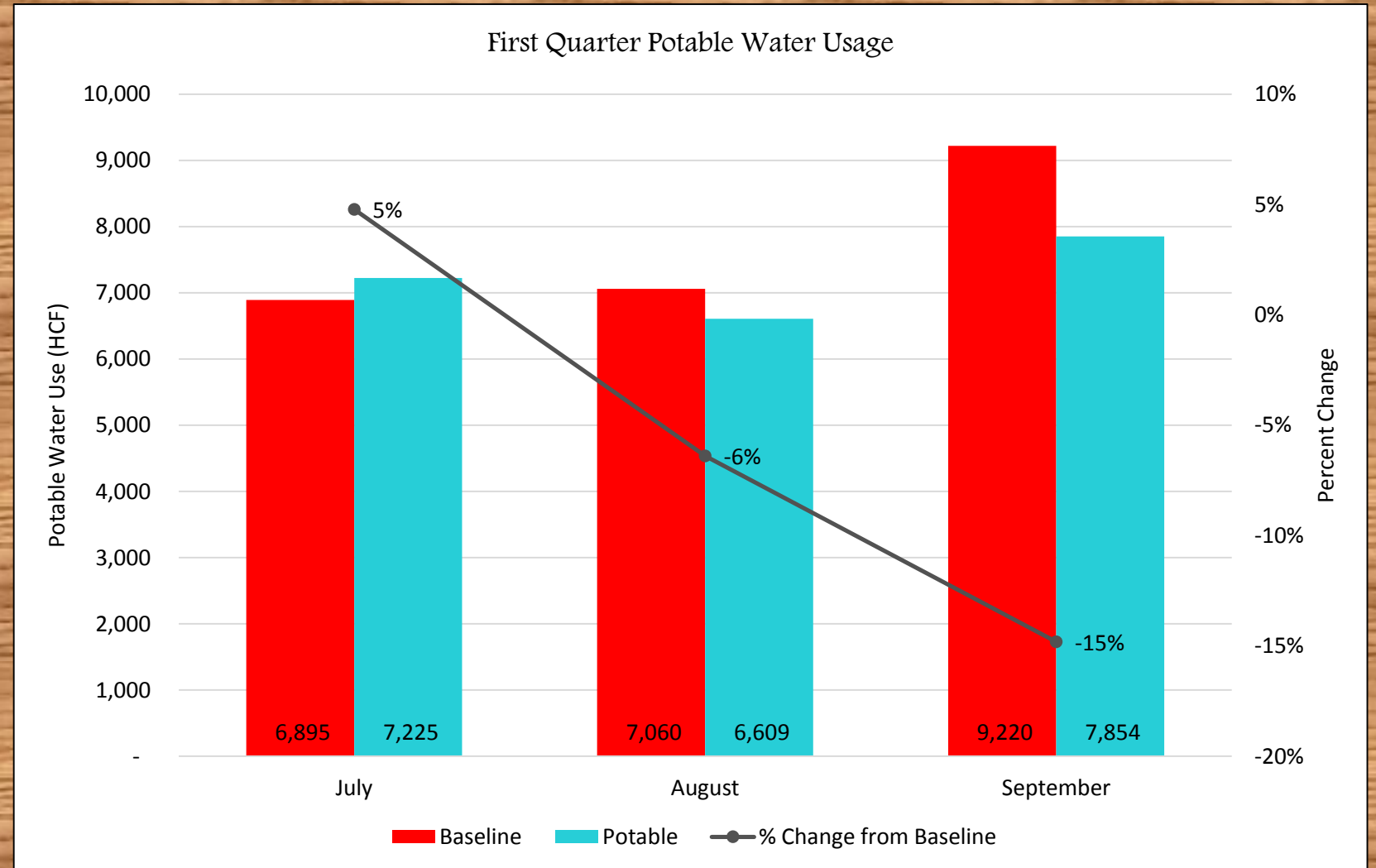
# TOTAL WATER

Our goal for fiscal year 2016-17 is to reduce total water (potable + recycled) by 10% from our 2013 absolute baseline. We met this goal for July and August, but because of the influx of students at the end of August and through September, our usage increased.



# POTABLE WATER

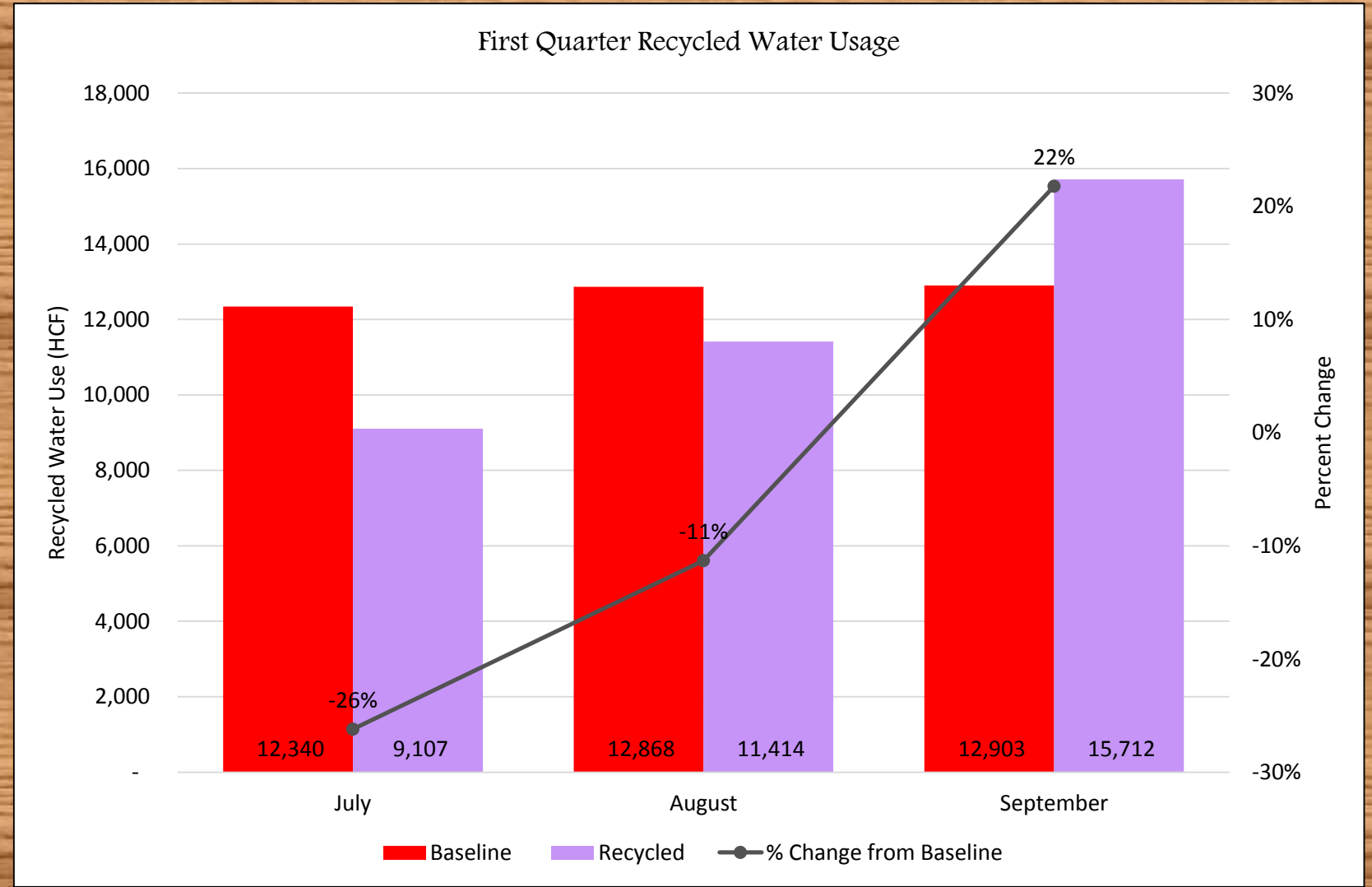
We need to reduce by 15% from our 2013 baseline usage, we met this goal in September. Even though we have gotten some rain, and have reduced consumption, our supply is still very limited and the drought is still in full effect. Please keep up the conservation efforts and continue saving water everywhere you can!





# RECYCLED WATER

We use recycled water to irrigate all landscaping on campus. Depending on the weather, our usage can fluctuate. But by utilizing recycled water, we are conserving potable water for drinking and other sanitary uses. We track recycled water within our Total Water goals.



# Ways to Reduce Water Consumption on campus and in the community:

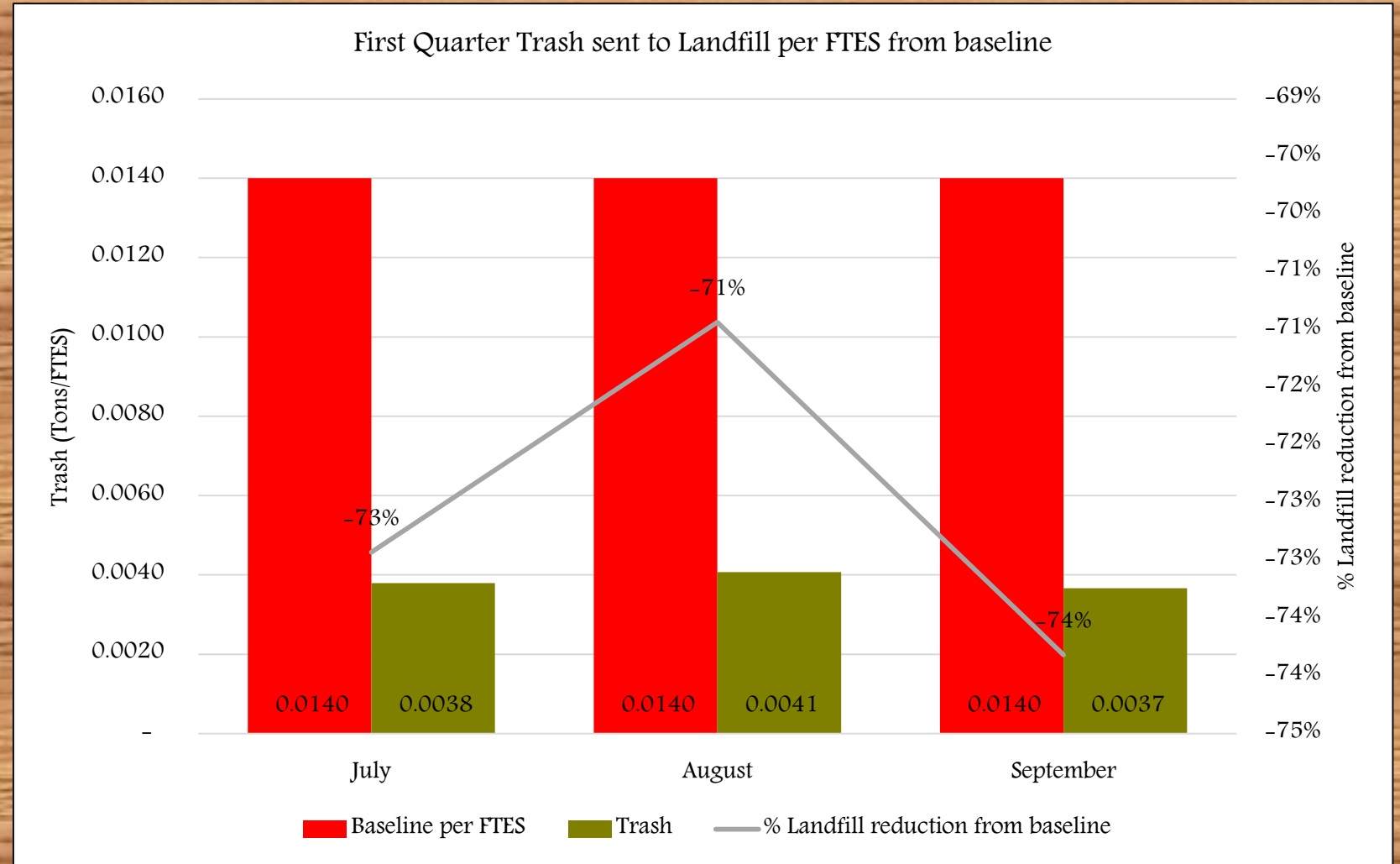
Water is a limited resource on Earth. Due to Climate Change we will probably continue seeing extreme drought and other severe weather conditions. Luckily, by conserving, recycling, and implementing innovative measures, we can help curtail the impact drought has on our community.

The best way to be water conscious is to use only what you need.

- When washing dishes don't let the water run, and only run your dishwasher when it is full
- Turn off the tap! When brushing your teeth, washing your hands and face, and shaving do not leave water running
- Save gallons of water by taking shorter showers and not taking baths
- Toilets are one of the biggest consumers of water in households and in public buildings: be conscious of your flushes and if they are really necessary

# WASTE

We are very close to our goal of 80% diversion from landfills by 2020! Diverting waste from our landfills is a very important part of sustainability. By making conscious choices about our purchases – and the waste from them – can really make a difference. Be sure to always put your waste in the proper disposal bin and keep reducing, reusing, and recycling!



# Ways to Reduce Waste on campus and in the community:

All waste that goes to a landfill is environmentally and economically harmful because most waste takes a very long time to decompose. Because of this, the land is extremely limited in its usefulness. By exercising the 3 R's: reducing, reusing, and recycling, *in that order*, we can significantly decrease the impact of our waste.

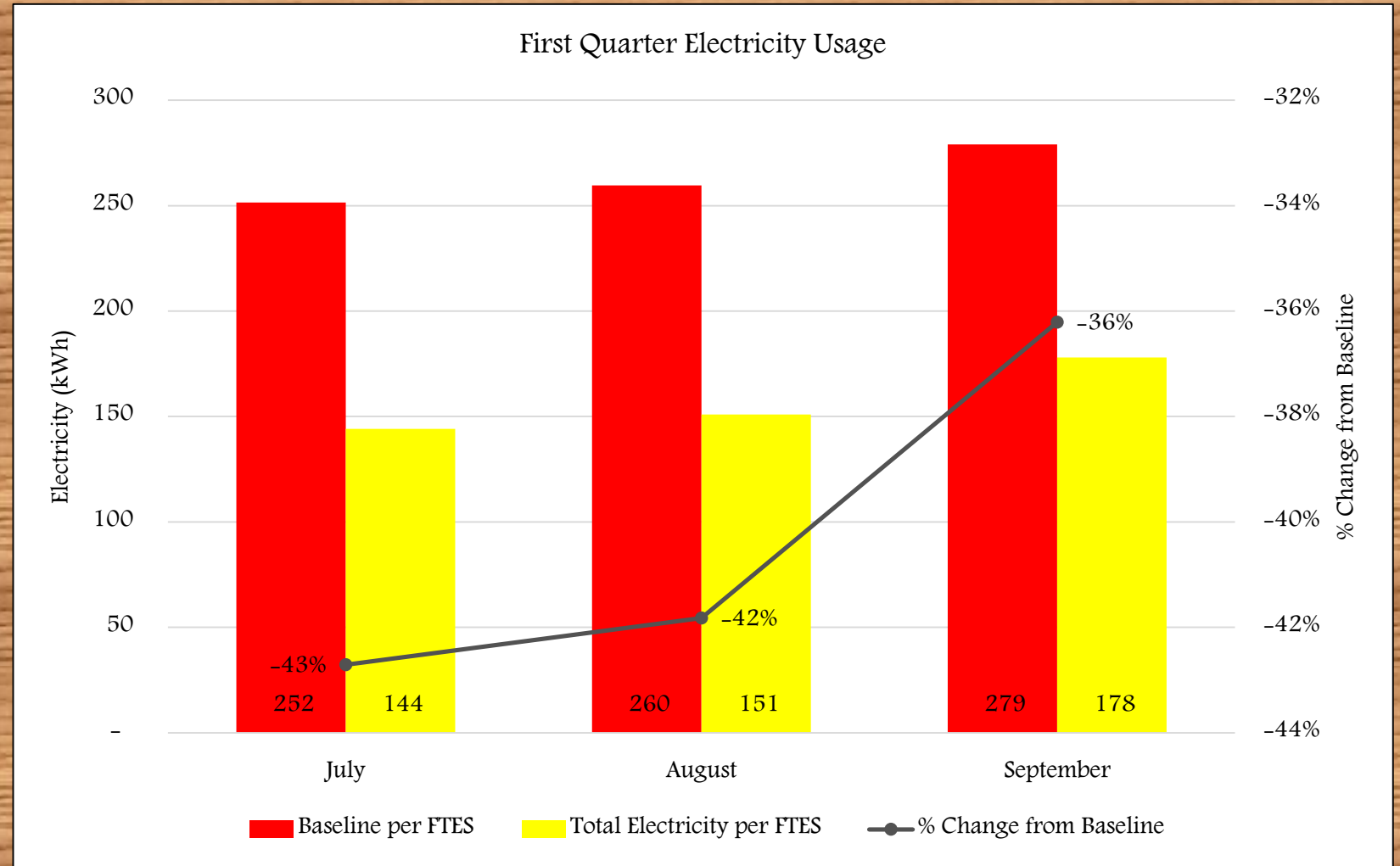
Here are some tips on how you can follow through with the 3 R's:

- Bring a reusable water bottle to school and work– plastic bottled water has been found to have more contaminants than tap water and plastic can also leach into the water
- Donate unwanted clothing and/or you can also make rags out of old cloths for cleaning
- A large amount of food is thrown away yearly, so be aware of your grocery habits and only purchase what you will actually consume
- Bring your reusable tote to do your shopping
- Quality vs. quantity: if you must purchase something make sure it will last
- Recycle packaging that can be, or reuse it for food storage and other creative uses



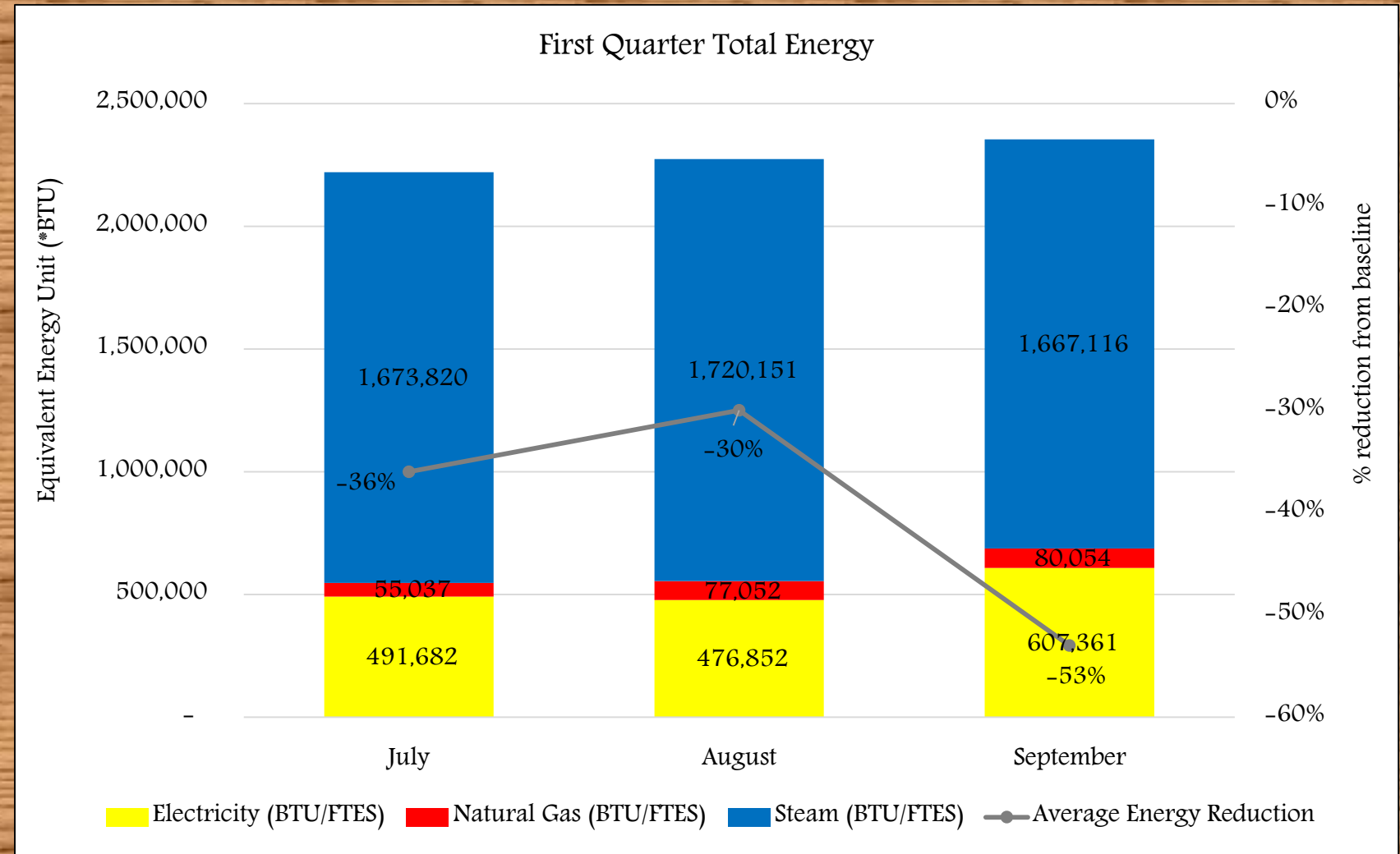
# ELECTRICITY

We have surpassed our goal of reducing by 25%! In the first quarter, CI has reduced electricity by an average of 40% per Full Time Equivalent Student. As the winter months begin, remember to bundle up and keep turning off those unnecessary lights!

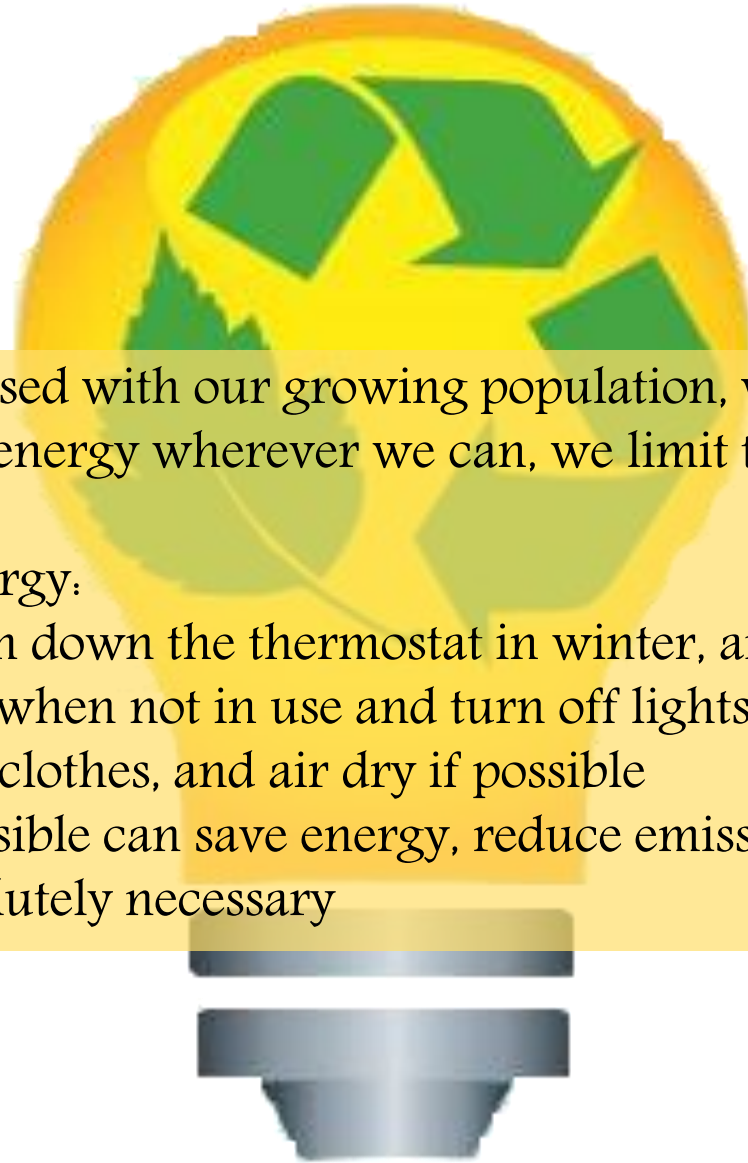


# TOTAL ENERGY

Our campus energy is comprised of electricity, steam, and natural gas and we use BTU (British Thermal Unit) as the equivalent unit for comparison. Because steam is used for most space heating and cooling, and for heating domestic water, it makes up most of our energy profile. In the first quarter, we have reduced overall energy by 40% on average per Full Time Equivalent Student.



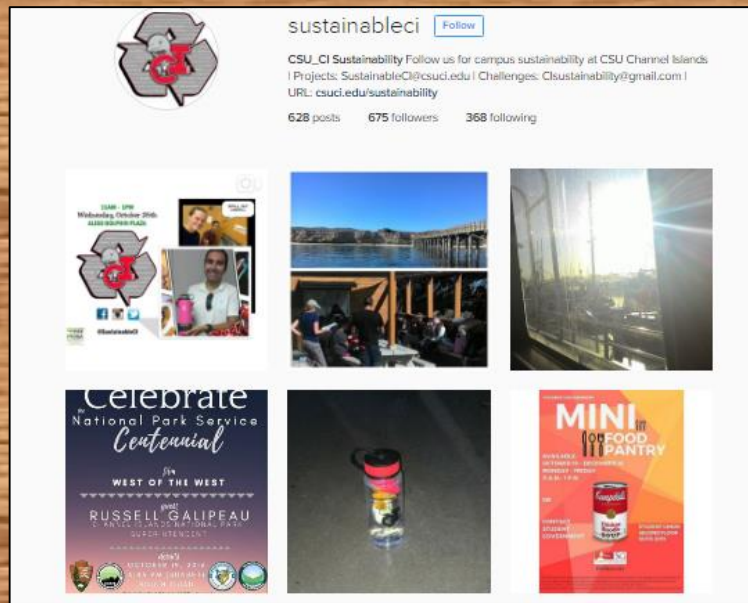
# Ways to Reduce Energy usage on campus and in the community.



The demand for energy has increased with our growing population, which escalates pollution and drives Climate Change. By conserving energy wherever we can, we limit these impacts as much as possible.

Here are some tips on how to save energy:

- Dress for the temperature; and turn down the thermostat in winter, and up in summer
- Make sure you unplug electronics when not in use and turn off lights when you leave any room
- Wash only full loads of dishes and clothes, and air dry if possible
- Carpooling and walking when possible can save energy, reduce emissions, and save you money
- Avoid using your oven unless absolutely necessary



Snapshots from the SustainableCI Instagram

# Sustainability on Campus and in the Community



The spheres of sustainability

- SustainableCI tabling events such as Welcome Celebration and Involvement Fair, more events in October (Campus Sustainability Month)
  - Classroom presentations and student/staff meetings
  - Volunteer opportunities provided by staff in Facilities Services
  - Social media posts and challenges to win sustainable prizes
- Ventura County cities also participate in sustainable activities such as water conservation and recycling, along with large Earth and Arbor Day celebrations



# 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

Coleen.Barsley@csuci.edu.

Appreciation goes out to the following contributors:

## Department of Facilities Services

Aspen Coty, Facilities Services Sustainability Student Assistant

Coleen Barsley, Sustainability and Operations Analyst

Wesley Cooper, Senior Director of Facilities Services

John Gormley, AVP of Facilities Services

