

Sustainability Committee – October 2018

Cost Avoidance

Cost Avoidance is an international standard for energy programs, developed and instituted by the International Performance Measurement and Verification Protocol. It is supported by the DOE.

Cost Avoidance is the value of energy not consumed valued in today's pricing.

Cost avoidance is avoided spending, not necessarily decreased spending. It is a more direct and accurate term than dollar savings in energy management.

An example of cost avoidance outside of energy management:

- A woman drives a Jeep Wrangler. The gas tank is 20 gallons, gas costs \$2.00/gallon, and she gets 10 miles per gallon. Driving 200 miles costs \$40 and requires 20 gallons of gas.
 - The next year, the same woman trades in her Jeep for a Honda Civic. The tank is 20 gallons, gas costs \$4.00/gallon, and she gets 36 miles per gallon. Driving 200 miles costs \$22.23 and requires 5.55 gallons of gas.
 - She avoided using 14.45 gallons of gas in driving 200 miles in a Honda Civic instead of a Jeep Wrangler. Her avoided cost is \$57.80.
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Data Update

Timeline

- Base Year - March 2014-April 2015
- Quick Start- April 2015- July 2015
- Performance Year 1- July 28, 2015 - July 27, 2016
- Performance Year 2- July 28, 2016 - July 27, 2017
- Performance Year 3- July 28, 2017 - July 27, 2018
- Performance Year 4- July 28, 2018 - July 27, 2019
- Performance Year 5- July 28, 2019 - July 27, 2020

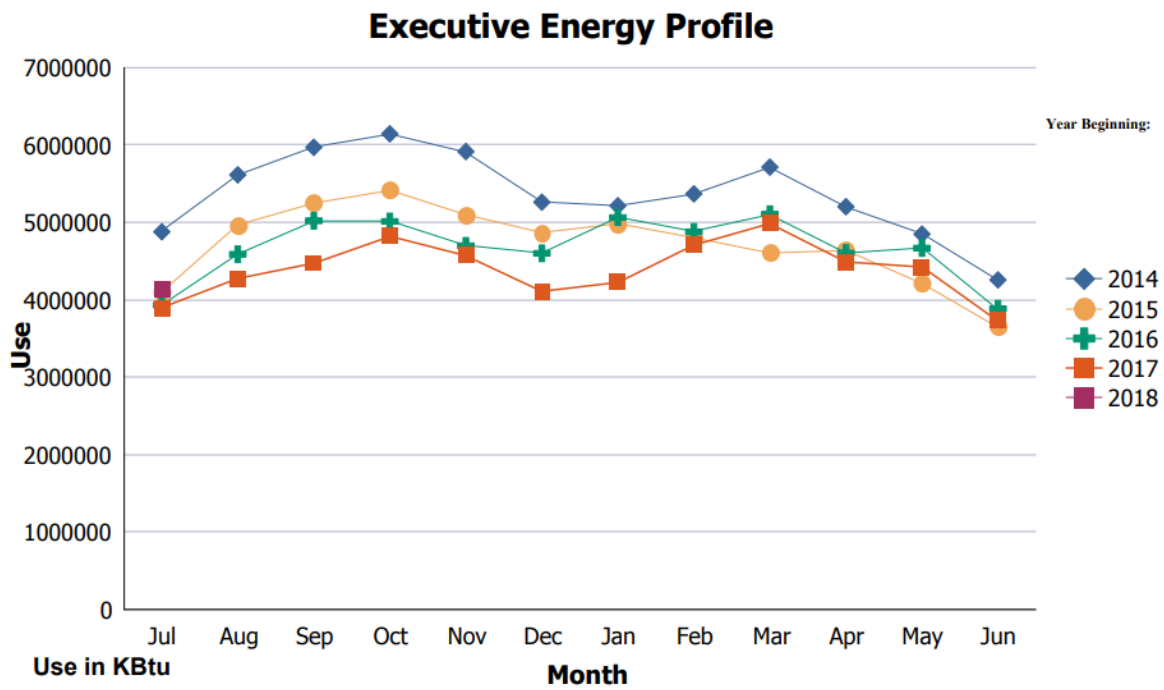
Trends

- To date GCCCD has avoided \$2,167,240 in utility expenditures
- The total energy profile, Districtwide, is 20% lower in fiscal year 2017 than in base year 2014.

Recommendations

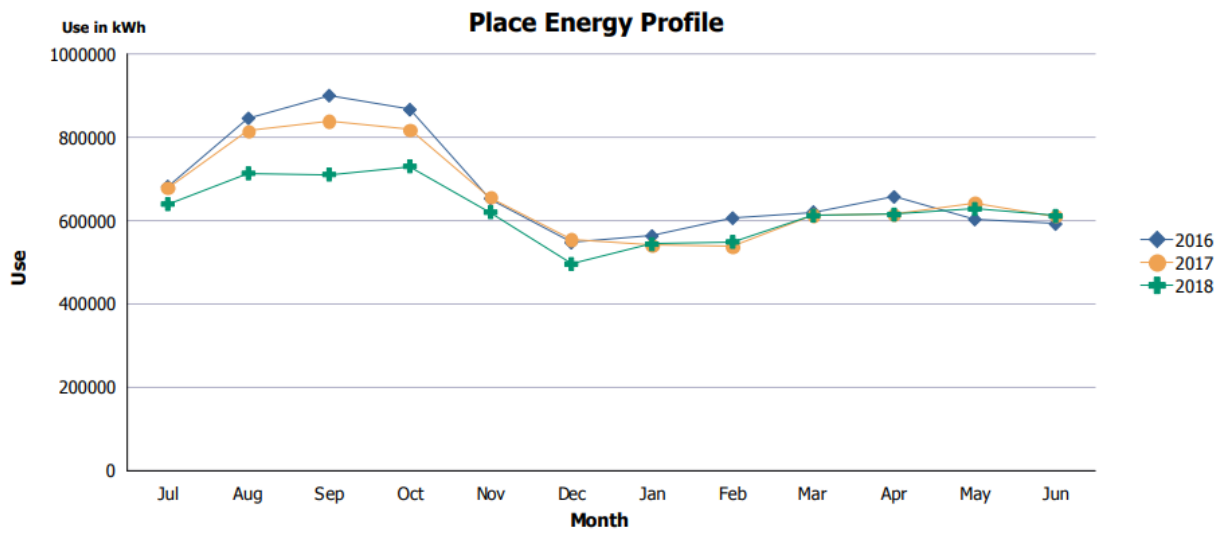
- Variety of strategies we can still implement that will be impactful
- Scheduling site specific meetings to discuss additional energy saving measures
- Department Specific Meetings – Continuing
- Plug load grant available- site walks on November 2, 2018

Districtwide, Executive Energy Profile per Fiscal Year



Grossmont College, Electricity Intensity per Fiscal Year

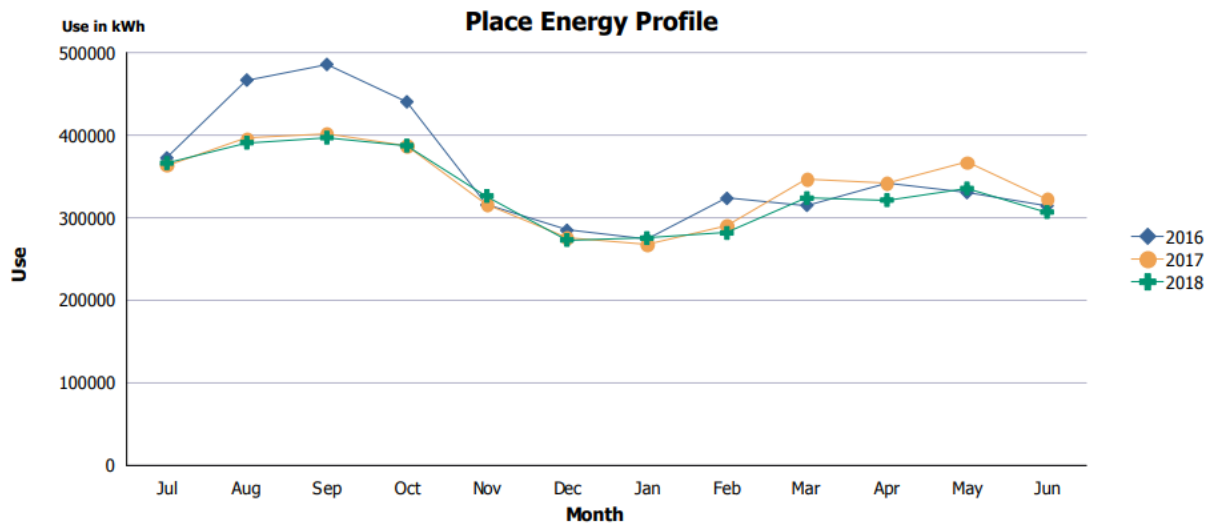
Place: [GCC] Grossmont Community College
 8800 Grossmont College Drive
 El Cajon, CA, 92020



Cuyamaca College, Electricity Intensity per Fiscal Year

Place: [CCC] Cuyamaca Community College

900 Rancho San Diego Parkway
El Cajon, CA, 92019



Districtwide Cost Avoidance Summary 2018-2019

Monthly Summary

	2018 - 2019		
	Cost Avoid \$	Cost Avoid %	* Total \$
Apr	55,917	19.5	55,917
May	78,472	25.9	78,472
Jun	70,780	25.1	70,780
Jul	81,246	23.6	81,246
Total	286,415	23.6	286,415