



Curtailement 2018-19 Energy Savings Report

Summary

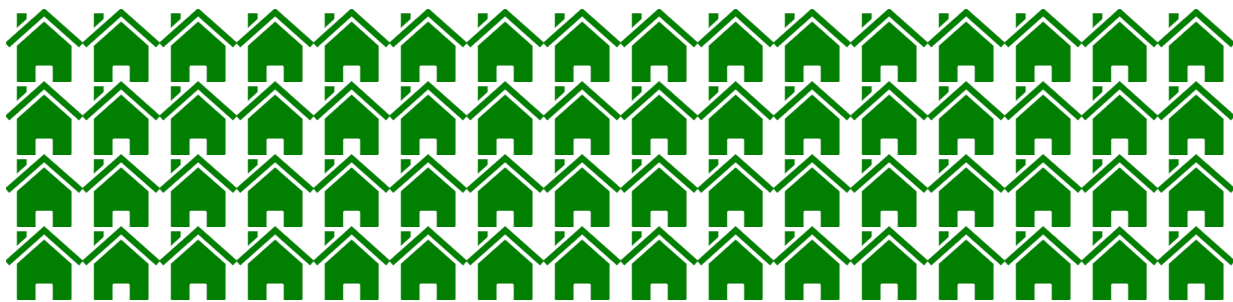
This year the UC Berkeley Campus curtailed buildings over the winter holiday for 12 days, from December 21st through January 1st. The Energy Office worked with the EMS group, stationary engineers, and the electric shop to curtail 75 buildings. In total curtailment saved 871,000 kWh and 1,420,000 lbs of steam. Compared to the prior 12 day comparison period, electric use was 14% lower and steam use was 21% lower when normalized for weather. Although the campus experiences the lowest electric rates of the year over winter break, curtailment saved the campus \$69,000 and 532 metric tons of carbon dioxide emissions. Below are the detailed costs and energy savings associated with curtailment this year.

	Electric (kWh)	Steam (lbs)
Pre-Curtailment Usage	6,283,000	30,290,000
Curtailment Usage	5,412,000	28,870,000
Savings	871,000	1,420,000
% Savings	14%	21%*

*Weather normalized

Cost (Labor)	\$16,000
Savings	\$69,000
ROI	430%

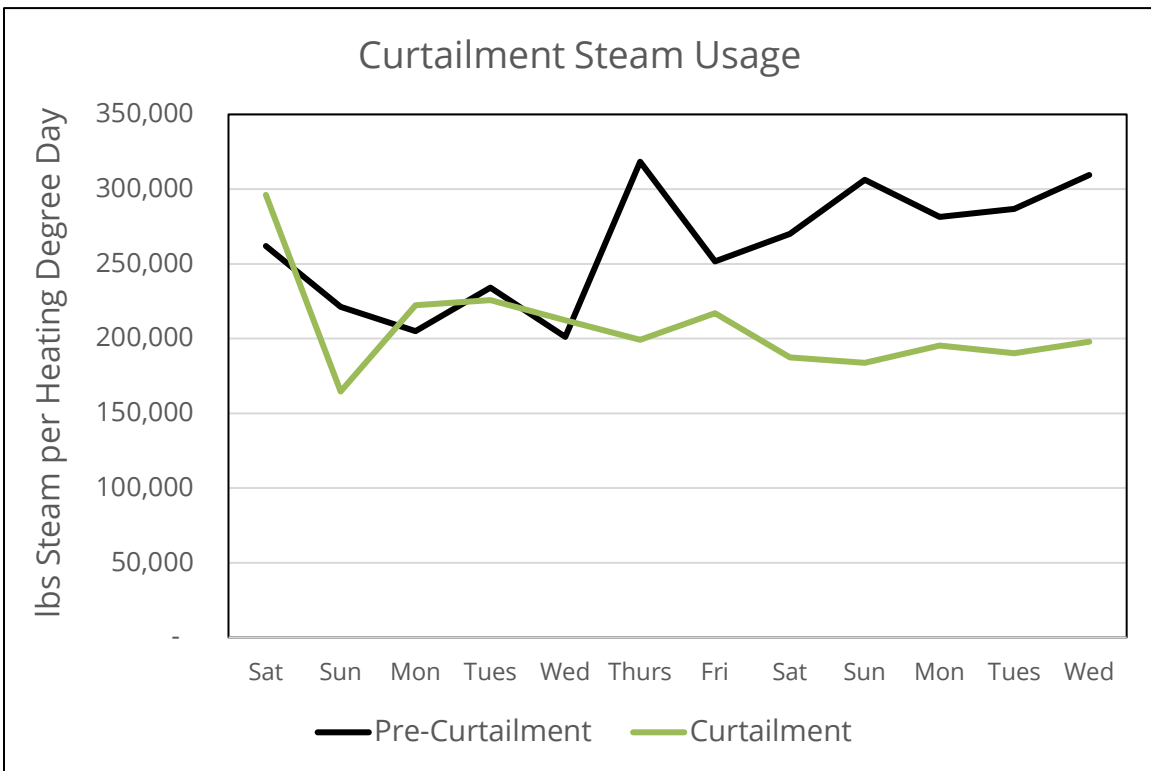
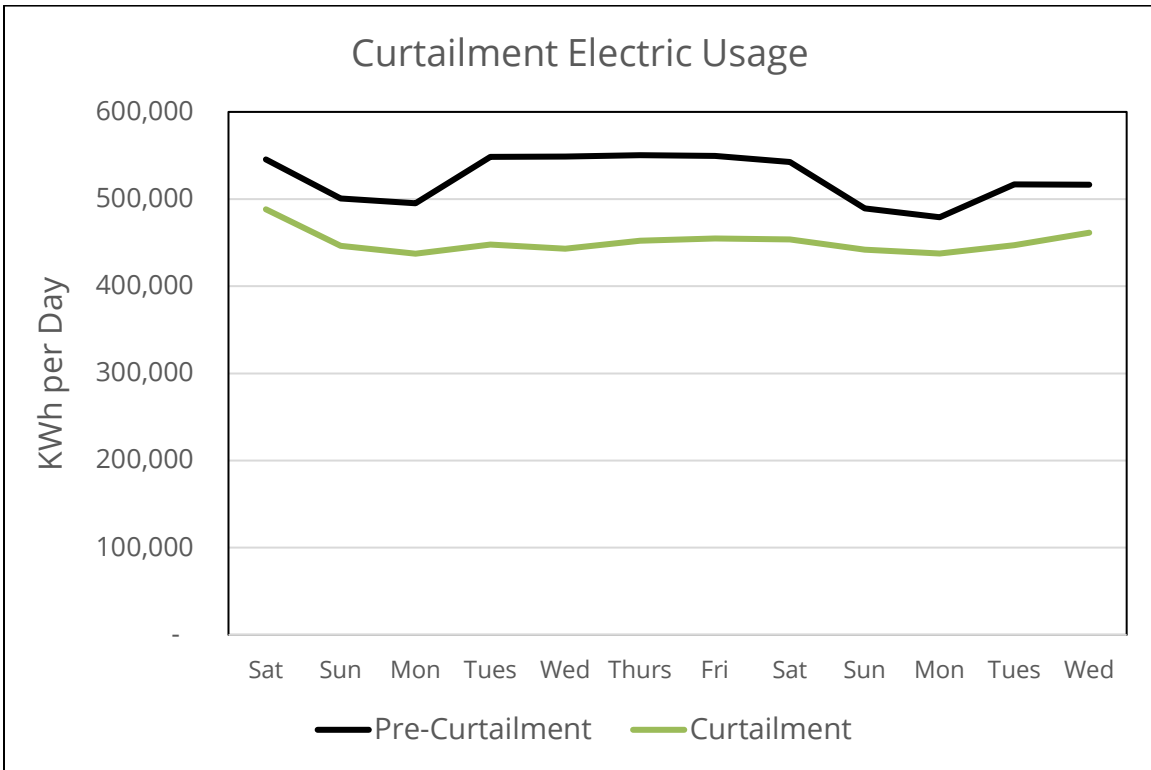
Curtailement 2018-19 saved 532 metric tons of CO₂ – the emissions of:
64 average US homes' annual energy use...



...or 2.9 Railcars of Coal



Total Campus Electric and Steam Usage

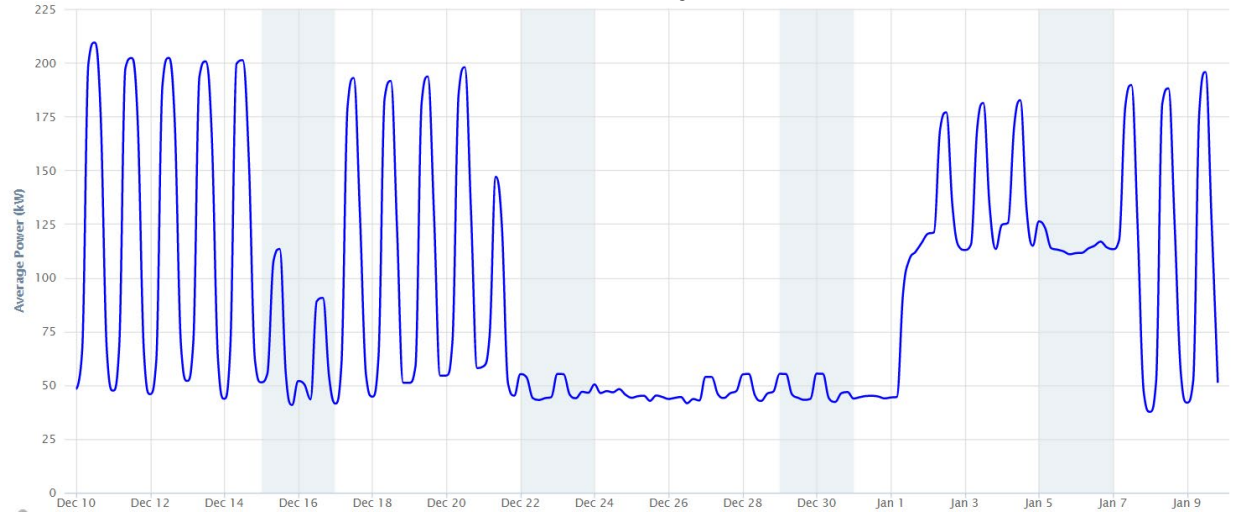


Electric Demand Reduction - Selected Buildings

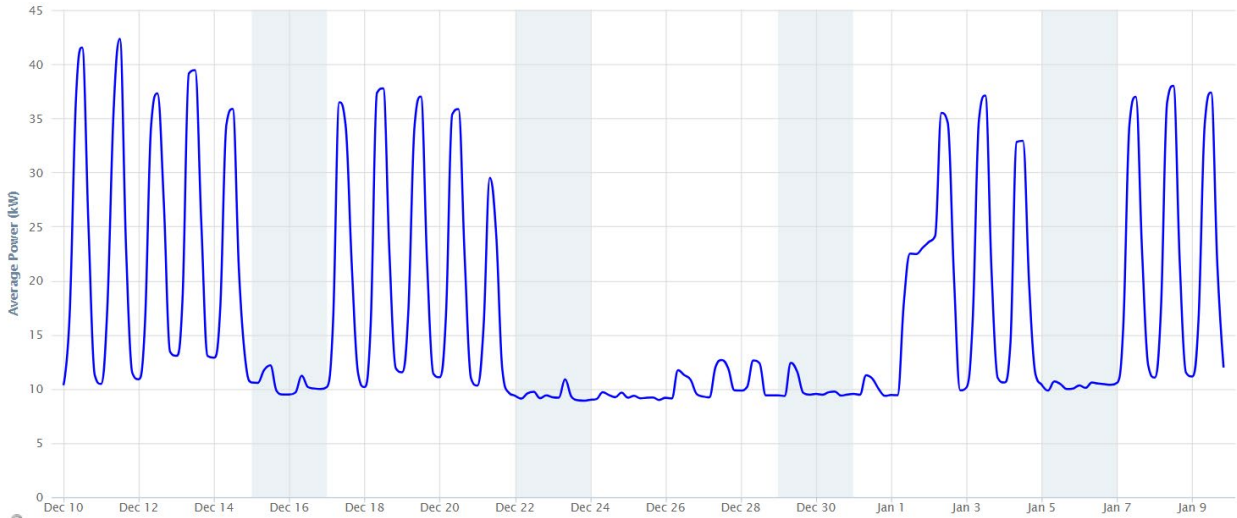
Chavez Student Center



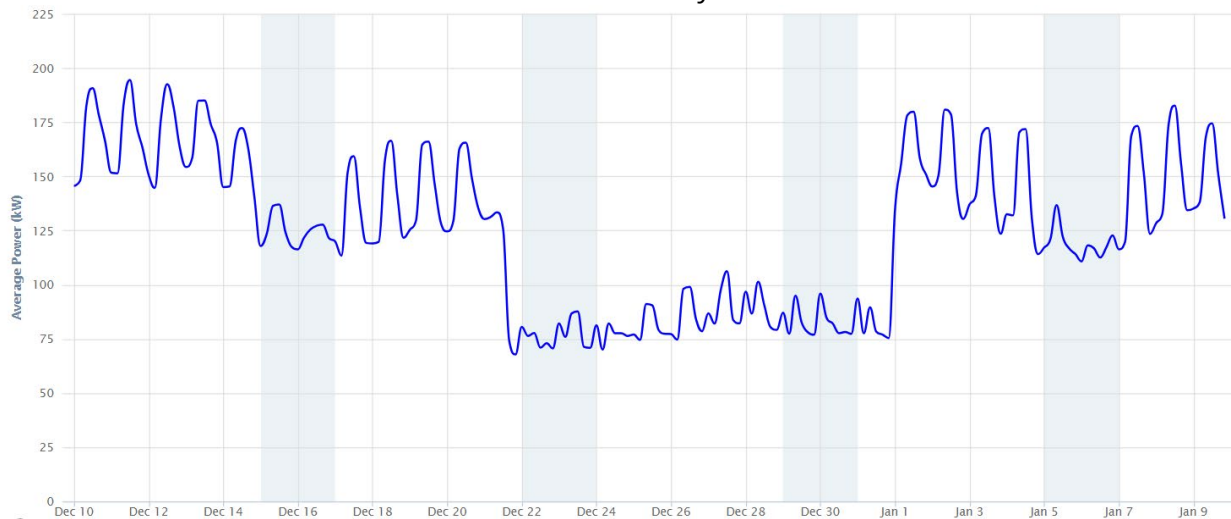
Doe Library



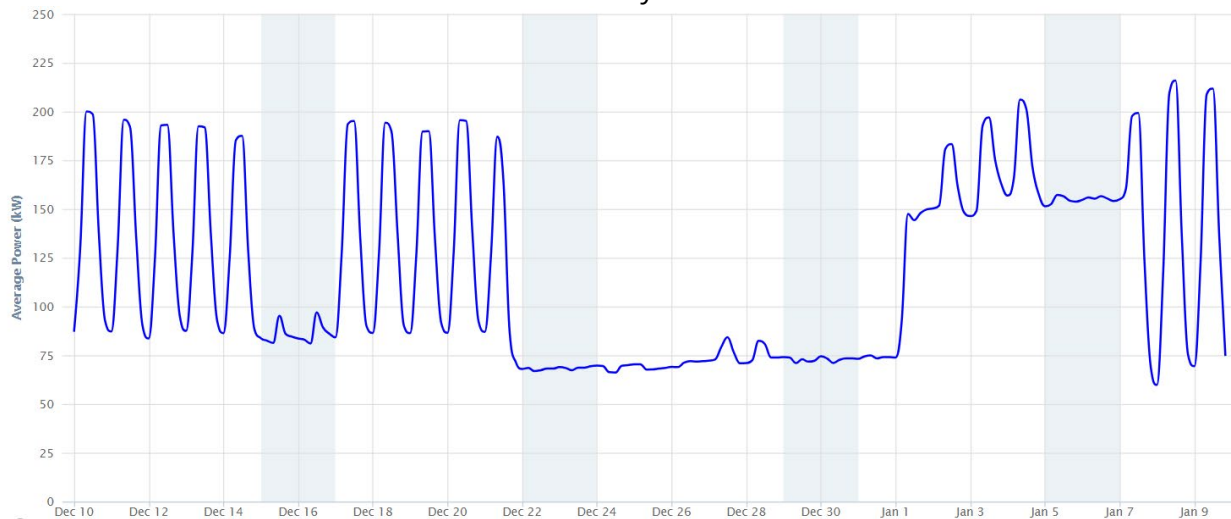
Haviland



Moffitt Library



University Hall



Wheeler

