



STEP UP AND POWER DOWN

Campaign Report: UCSF's Cardiovascular Research Building

December 22, 2016

Thank you for conducting your recent Adopt A Spot campaign. Step Up and Power Down engaged your team to raise their energy awareness and help them reduce energy waste. This report summarizes your collective results and suggests next steps you can take to build on this important first step.

You've stated your goals are to improve employee engagement while reducing energy waste. To that end, UCSF's Cardiovascular Research Building conducted an employee engagement campaign targeting lighting and lab equipment shut off during non-occupied hours.

Your Employees Produced Some Great Results!

The CVRB Team worked together to improve their shutdown of lighting. Overall, they reduced the energy consumption of their lighting and lab equipment in the target area by 9%. Adopted equipment included sample room lights, centrifuges, shakers, computer monitors, and one fume hood.

This avoided energy consumption has a significant positive environmental impact. By reducing energy consumption by 9%, you and your colleagues will avoid over 69 metric tons of CO2 emissions, equivalent to planting a 65 acre forest.

Next Steps

Changing energy habits through employee engagement campaigns is a great first step towards changing the way we all think about and use energy in general.

UCSF's Cardiovascular Research Building can build on its successes by:

- Implementing further campaigns based on findings highlighted in the Energy Practices Inventory (i.e., targeting lighting, HVAC, and additional plug loads)
- Exploring the rebates and incentives PG&E offers to help with investment in equipment and infrastructure

I'd like to congratulate your team and extend a special thank you for your participation. Your efforts have not only brought the city closer to achieving its goals, but also contributed to the building of a better, more sustainable future for all of us. There is more to be done, and I look forward to continuing to work together.

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By the Numbers

Building Type	Laboratory
Number of Participants/Rooms	45 People
Area Impacted	86,429 Sq Ft
Est. Annual kWh Savings	98,330 kWh
Est. Annual % Energy Reduction in Impacted Area	9%
Observed increase/Improvement in Energy Savings Actions	21%

Environmental Impact*

Metric Tons of CO2 Emissions Avoided	69.1
Average Passenger Vehicles Driven For One Year	14.6
Homes Powered for One Year by the Electricity You Saved	7.3

*Data from EPA Greenhouse Gas Equivalency Calculator:
<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>