



Co-Convened by

Environmental and Energy Stanford Policy Analysis Center











It's Electric! Fostering an energy conscious community through tenant engagement

November 14, 2023

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Meet the ID+CL Team

Julia Day



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Harleen Kennedy

Nick Mayer

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Project Pillars

Reduce energy use and costs at WSU: inform, educate, and empower occupants to help reduce their personal energy use and encourage their peers to be more conscious of wasted energy on campus.



Sustainable Community at WSU: foster the development of a social and active building culture that inspires community sustainability in meaningful ways.



Health and Well-being of WSU building occupants: *empower* occupants to take control of their physical and mental health, comfort, and well-being.







#BECC2023

Campaign Targets



















#BECC2023

Campaign Approach and Design













Communicate

Directly engaged with over 600+ staff and faculty

Organized 8
in-person
engagement
activities

Relate

Educate

Published 17 newsletters

Intervene

Installed 390
Smart Power
Strips

Disseminate

Engaged with **55 departments**across 9
buildings

Advocate

Recruited **55 Energy Champions**





Newsletters

UPCOMING EVENTS FOR SPRING 2023!



NATIONAL PLANT-A-FLOWER (March 12th, 2023)

Lookout for the ID+CL staff as we come around on the 12th to engage with departments and staff in our target buildings!

WANT TO LEARN MORE?

https://idcl.wsu.edu/

for more tips and tricks

SPRING EQUINOX (March 20th, 2023)

spending time outside and limiting your energy usage. Try out recyclable and decomposable decorations and surprises!

(April 22nd, 2023)

landscape by making a trip to Kamiak Butte or Palouse Falls! Make sure to thank our earth by cutting back on your energy consumption!

National Plant-A-Flower Day: March 12th





Celebrate the changing of seasons outside this year, limiting your energy usage inside. Enjoy our natural landscape, plant your wildflower seeds, and watch the birds return. Take a moment to be mindful of the nature that surrounds us. Turning off excess lights and heating is a small way to thank our earth for all that it provides us

Earth Day: April 22nd

Celebrate the earth by exploring our Palouse landscape and protecting our environment. Enjoy the spring air at Kamiak Butte. Steptoe Butte, or the Palouse Falls, but make sure to follow the campsite rule: leave it better than you found it! Take the time to be conscious of your energy usage by dressing in layers to maintain thermal comfort. Turn off lights when they are not in use to take advantage of the natural light. Ride the bus to work. Advocate for energy efficiency to three people in the office and make sure to have a Smart Power Strip installed in your office!

STEP OUTDOORS & DISCOVER THE MAGIC OF SUMMER!

Warm weather is finally here and we ask that you properly prepare for your departure.

As the sun shines brightly and the temperatures rise, it's time to put on your adventure hat and step outside to embrace the beauty of summer! Our latest newsletter is here to inspire you to explore the great outdoors, soak up the sun, and create unforgettable memories under the clear blue skies. Before you head out for that long weekend or highly anticipated annual leave, be sure to review our Annual Leave Checklist to ensure a safe and sustainable departure from your WSU workstation:

ANNUAL LEAVE CHECKLIST

Be sure to remove or secure any items on your desktop that might blow off your surfaces.

These items could cause a fire if they land on heaters with

Completely and safely power off and unplug all electronics. This includes*: *Note: if you remote into your computer, you should unplug all monitors and other connected equipment, but leave

- the computer on. Surge protectors (override SPS programming with 'Manual fuction', see our website for more information)
- □ Computer monitors
- □ Desktop speakers
- □ Space heaters
- □ All printers/scanners
- □ Lamps and warmers
- Adiustable desks
- ☐ Coffee machines
- Other appliances within the shared kitchenette
- Turn off all overhead lights and shut the blinds. At your desk, empty trash and remove any
- food items: things that smell, or could go bad in the time you will be away.

This project is sponsored by Facilities Services and delivered by the Integrated Design + Construction Lab (id+ci)





ENERGY & COMFORT@ WSU

WSU Tenant Engagement Program Newsletter for French Administration, Lighty Student Services, Smith Center for Undergraduate Education, Johnson Tower, Todd Hall, and Todd Addition building occupants.

SPRING INTO THE NEW SEMESTER

Spring is here! We have officially passed the spring equinox and are ready to welcome in the new season full of regrowth and sunshine. We encourage you to open up your blinds and turn off your overhead lights to optimize the benefits you and your coworkers receive from the sun! Some of these benefits include receiving Vitamin D, a critical nutrient that prevents bone loss, weight gain, various cancers, and heart disease; Reducing depression and anxiety; And improving sleep by rebalancing your natural sleep cycles. Make sure to open up your office space to receive all these benefits! In addition to letting light into the office, this is a perfect time to get out and enjoy our beautiful Palouse landscape to get fresh air and direct sunlight! Check out these opportunities to

LAWSON GARDENS

This is the only formal, public garden in Pullman! Scattered with beautiful flowers, lush greenery, and whimsical gazebos. this is a must see for the spring!

KAMIAK BUTTE

This hike, just 15 minutes out of town, provides an incredible lookout over the rolling hills of the Palouse and is the perfect spot to soak up some sun!

PULLMAN RIVERWALK

This pedestrian and cycle path winds along the South Fork of the Palouse River. The path facilitates a beautiful journey through downtown Pullman!

"HUMANS SPEND OVER 90% OF THE TIME INDOORS"

U.S. Environmental Protection Agency, Indoor Air Quality Report

Spending the majority of our time in inside can have adverse effects on our health and wellbeing. This is because the majority of indoor environments have poor air quality; In some cases they contain a concentration of 2-5 times more pollutants than outdoor environments. Longterm exposure to these pollutants can increase one's risk of depression, fatigue, headaches, heart issues, and some forms of cancer. Although we cannot simply move outdoors, there are steps we can take to mitigate these risks. Avoid the use of any chemical cleaners, paints, and other products that may release pollutants into the air, regularly open your windows to allow for natural ventilation, and take time to step outside and explore nature!

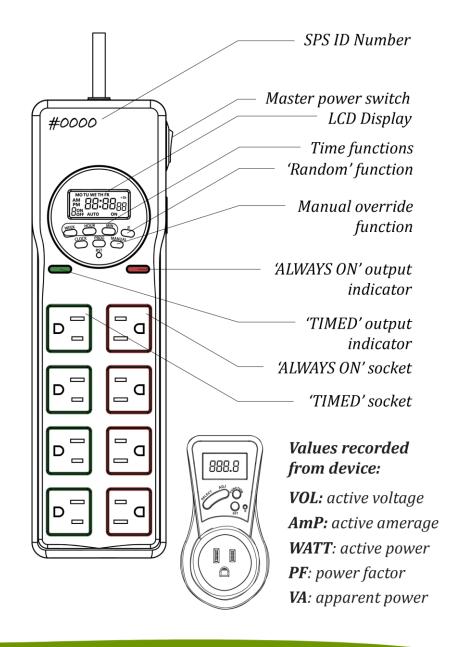






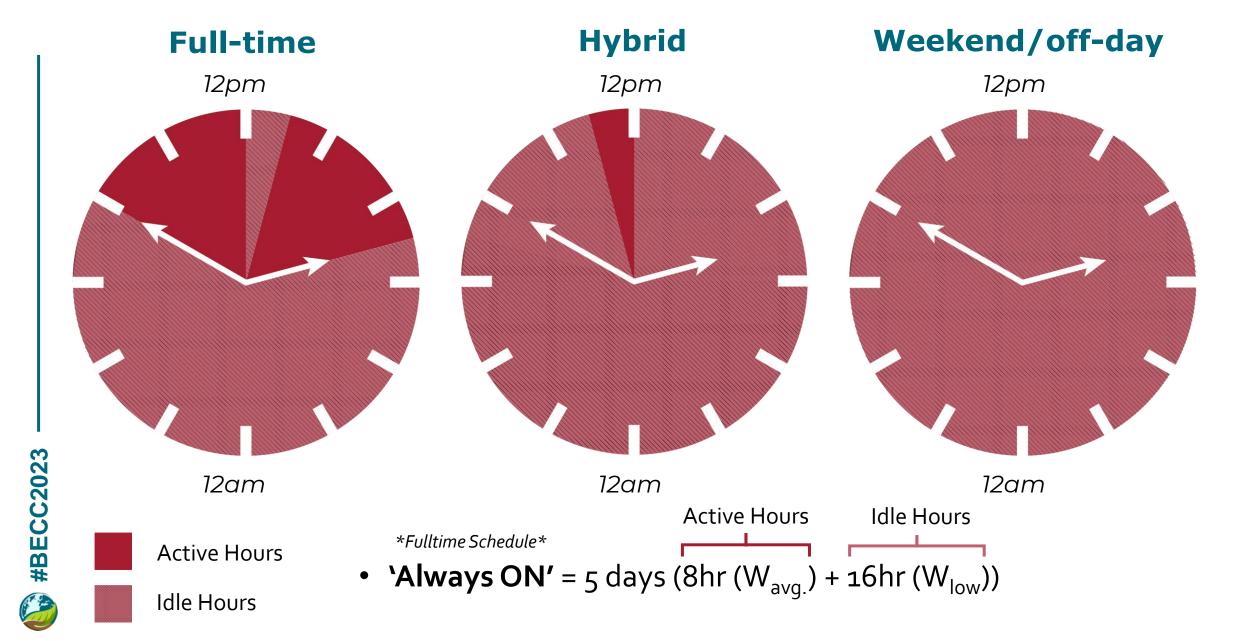
'Smart' Power Strip Intervention

- A buffer is included in settings, ensuring no disruption to the typical workday.
- The device has no Bluetooth or Wi-Fi capabilities, it is strictly a surge protector with an integrated timer.
- The timer is fixed but must be adjusted for Daylight Saving Time and in case the workday runs long.

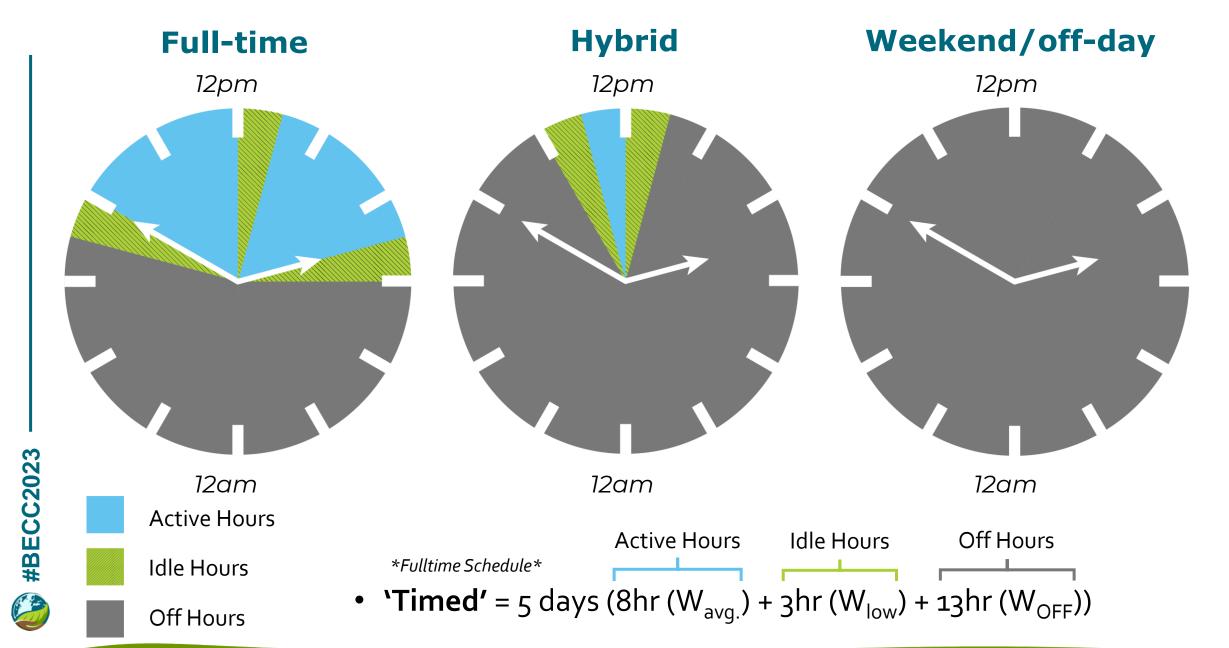








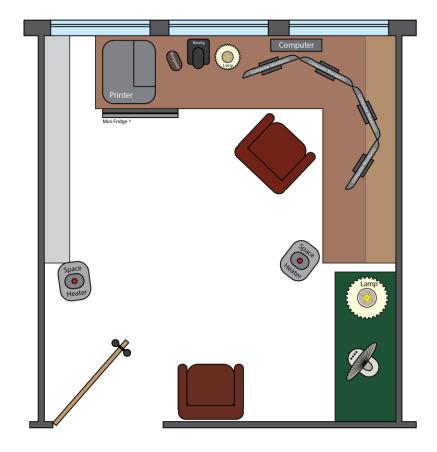






For this one office...

- Daily Costs: \$7.55
- Daily Energy Use: 96.5 kWh



Existing Condition "WORST CASE SCENARIO"

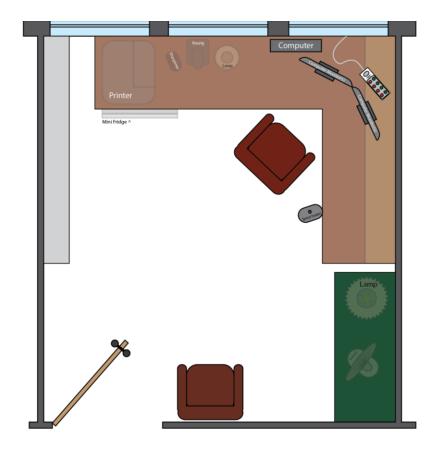
Before any tenant engagement and smart strip install





For this one office...

- Daily Costs: \$0.49
- Daily Energy Use: 6.03 kWh



Intervention C

"BEST CASE SCENARIO"

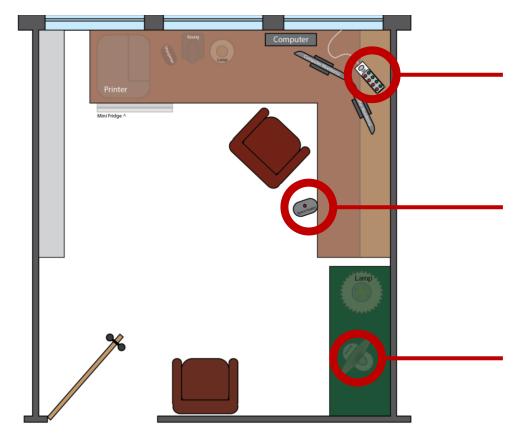
Interventions A + B + Removal of printer, 2 monitors, and replacement (or removal) of high wattage space heater.





For this one office...

- Daily Costs: \$0.49
- Daily Energy Use: 6.03 kWh



desktop to maintain accessibility.

Energy efficient, policy

(SPS) installed on the

Smart Power Strip

Energy efficient, policy compliant, <200-WATT space heaters working smarter, not harder.

In favor of dressing in layers, energy consuming desktop accessories become obsolete.

Intervention C

"BEST CASE SCENARIO"

Interventions A + B + Removal of printer, 2 monitors, and replacement (or removal) of high wattage space heater.





What have we learned in this process?







Relate



Educate



Intervene



Disseminate



Advocate

Limitations

- Only hear about problems when they reach critical mass, from the most vocal
- Not very 'Smart' Smart strips due to IT limitations:
 - Security concerns
 - Estimates based on initial collection
- Balance of convenience vs. efficiency
 - Accommodating people's schedules, different backgrounds, level of interest, tolerance for disruption
- Getting meaningful feedback from participants, surveys, interviews, we are all busy!







#BE

Project Evolution

Goals/Strategies	PAST	PRESENT	FUTURE
High rate of in-person engagement			$ \checkmark $
 High rate of attempted installs 			
High number of completed installs	\bigotimes		$ \checkmark $
 Engagement with multiple buildings 			$ \checkmark $
Website utilization	\otimes		\Diamond
 Specialized occupant type engagement 	\bowtie		$ \checkmark $
Maintain privacy and security	\Diamond		
Consistent feedback on program	\approx		







Thank you to WSU Facilities Services for sponsoring this project!

Questions?

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Convened by:









