

Prosper Mawuli

Pmawuli

Kwame Nkrumah University of Science and Technology

Greenest

My 150-word Written Piece

I discovered a number of wasteful energy consumption locations during my campus energy walk, including study rooms that are left illuminated after hours, chargers that are plugged in but not using any devices, and outdoor lighting that are left on during the day. A "lights-off challenge" in conjunction with motion-sensor lighting in low-traffic areas is the enhancement I suggest. This concept increases efficiency by reducing waste and greenhouse gas emissions, improves access by guaranteeing adequate lighting in important areas through more intelligent use of available capacity, and improves fairness by lowering energy costs and freeing up funds for student or community services. We may connect local behavior with global clean-energy goals by rebalancing the energy flow from "always on" to "only when needed." Because every little action adds up, it matters: fewer wasted watts means less demand on power plants, fewer emissions, and a healthier planet for everyone.

REBALANCE THE FLOW

Energy Awareness in Our Campus/Community

SNAPSHOT – WHERE ENERGY IS USED



Lights on
in empty
rooms



Chargers
plugged in
overnight



Vehicles idling
near gates



Outdoor
lamps
burning
at midday

OUR IMPROVEMENT



Lights-Off Challenge & Motion Sensors

We propose a campus/community-wide “lights-off” challenge after 8pm for study rooms & halls. install motion sensors in seldom-used corridors to auto-disable lighting until needed.

WHY IT MATTERS

Equity

Reduces energy cost-frees budget for student support & community

Access

Improves lighting reliability in teaching spaces by lowering overall demand

Efficiency

Cuts wasted energy, lowers emissions & supports global clean-energy goals



#PGC2025 @TurningGreenOrg | @greenamerica... | @globalfootr

**ENERGY
EFFICIENCY**
.....
CHEAT SHEET
.....

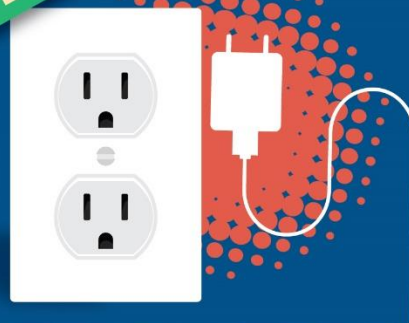
Q. What energy
is the greenest?

A. The energy
YOU DON'T USE.

USE LEDs



UNPLUG



SEAL LEAKS



GET SMART



SMALL CHANGES. BIG IMPACT.

#COMMUNITYpowered