

DAY 24 ENERGY

Task Greenest

Team: Grenera
username: @sanjida_
School: Jahangirnagar University

1. Today Energy walk in our Campus

Today I took an energy walk around our campus & noticed where energy is being used like lights, electronics, heating, transportation, or open spaces and we identified that huge amount of energy is wasting for decoration purpose lightening.



Figure 1Lightening our hall and roadside for feast in night

2. Improvement Idea: Use Solar-Powered or Energy-Efficient Decorative Lighting

Observation:

Many decorative lights (in gardens, pathways, events, or campus buildings) stay on for long hours, especially at night, consuming a lot of electricity.

Proposed Improvement:

Replace conventional decorative lights with solar-powered LED lights or motion/time-controlled LED systems.

a)



Figure 2Up Upcycled Art Installation with Integrated Solar Lighting

This image(Figure2) illustrates a large sculpture made from repurposed materials (like plastic bottles or metal scraps) and includes small, discreet solar panels to illuminate it at night, resulting in zero grid energy consumption.

b)



Figure 3Upcycled Art Installation with Integrated Solar Lighting

Figure-3 shows "Upcycled Art Installation" with Integrated Solar Lighting
(A sculpture made from reclaimed materials, illuminated by solar LEDs at night)

Why it helps:

- I. Solar-powered lights use renewable energy — no need for grid electricity.
- II. LEDs consume up to 80% less energy than traditional bulbs.
- III. Timers or sensors ensure lights are on only when needed (e.g., evenings or events).
- IV. Reduces electricity bills and supports sustainable, eco-friendly decoration.

Expected Outcome:

Lower energy waste, reduced carbon emissions, and an environmentally responsible lighting system that still looks beautiful at night.

2. Design a creative solution to help “rebalance the flow with an “energy-saving” poster.

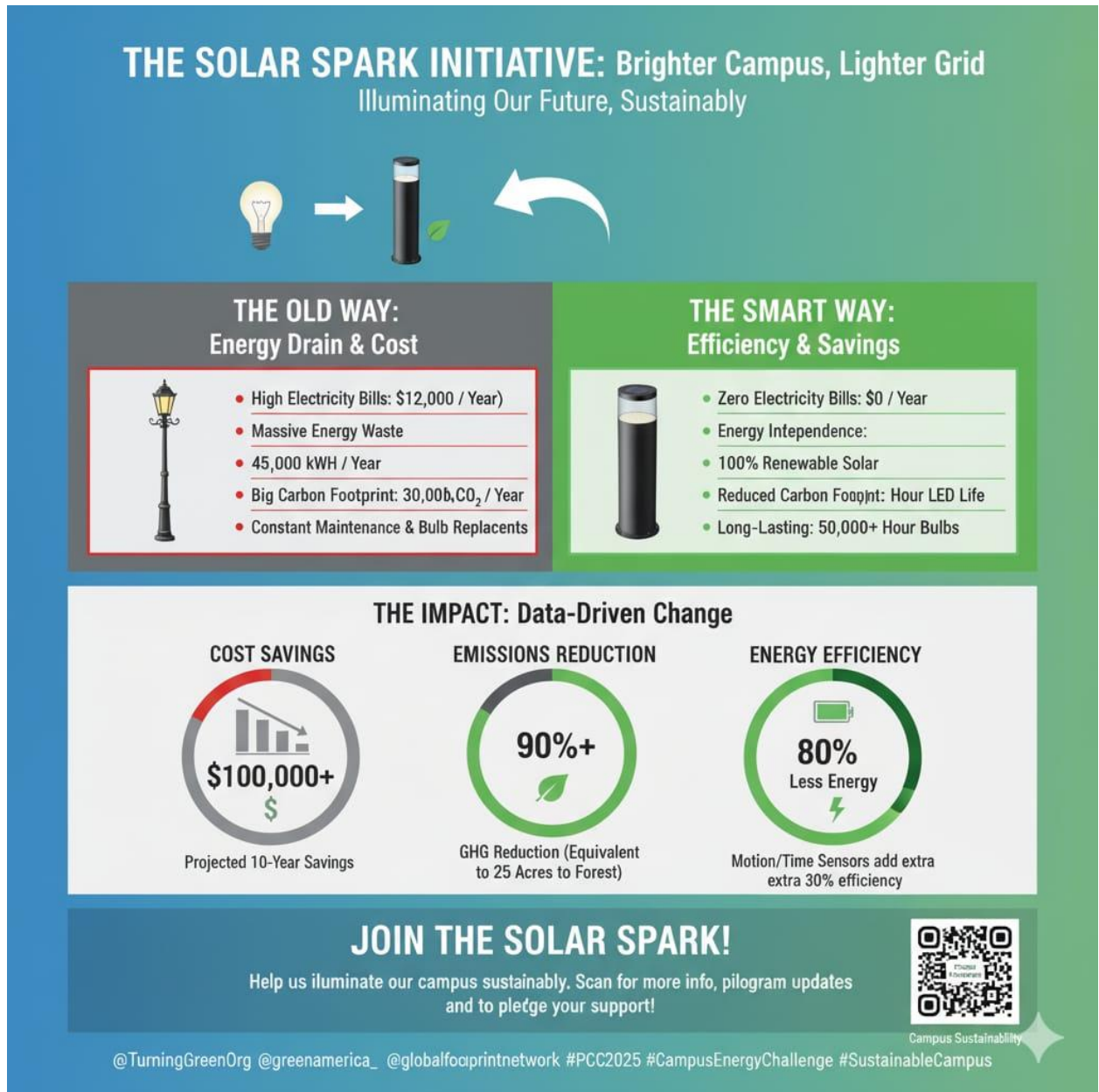


Figure 4 Our energy Saving poster

This infographic presents the "Solar Spark Initiative," detailing the shift from energy-draining conventional lighting to solar-powered LEDs and sensor-controlled systems. It clearly compares the Old

Way (high cost, massive waste, large carbon footprint) versus The Smart Way (zero electricity bills, 100% renewable solar, high efficiency). The key impact data highlights projected 10-Year Cost Savings of over \ \$100,000+ and a 90+ \% GHG Reduction, demonstrating how a simple local upgrade drives campus efficiency and supports global clean energy goals.

3. Take at least one step toward action talk to a facility manager Mst Beauty akter about a “lights-off” challenge



Figure 5: Discuss about our light of Challenge with our teacher Mst. Beauty Akter

Link of my Instagram post:

<https://www.instagram.com/p/DQOLyZ7Ejv3/?igsh=Y3VuZnhibzJsY3Vx>

Screenshot of my Instagram post:

