

# PaliLights

Help Pali save energy, money, and go green!



- raised over \$1000 through donations, bake sales, CFL fundraisers, and Booster Club presentations.

- purchased 400 new CFLs for the hallways of PCHS.

- expected to reduce 2,400 lbs. a year of PCHS's CO<sub>2</sub> emissions.

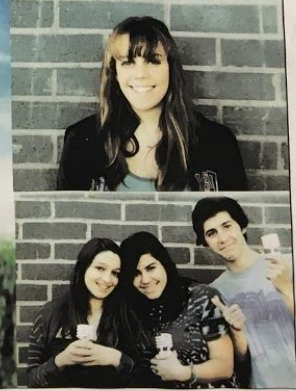
- estimated savings in electricity: \$12,000 over 10 years.

- submitted to Google's Project 10' to the 100th.



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\*\*\*You should replace the incandescent light bulbs with LEDs instead of CFLs (PaliLights is an old project from around 2008). Concept is the good idea! (Conversation started with what can we do about reducing GHG at home to help polar bears in the arctic).

### Field Trip Destinations:

- E-waste stuff (check out field trip ideas for the strut your stuff project)
- Climate change, energy stuff: Urban Heat Island Effect. Climate change is bad enough, caused by Greenhouse Gases trapping heat in Earth's atmosphere. Heat is created by energy from all the people, cars, buses, and trains in big cities. Many factors contribute to the urban heat island effect, including closely packed buildings, whose materials are good insulators, and "waste heat" from everyday human activity. Several streets around LA have been painted with lighter paint (called CoolSeal) as a project to reduce the need for AC in the neighborhood. The idea is that, with the paint, the asphalt reflects more heat than it absorbs. You can check it out and feel the difference for yourself! This experiment was sponsored by the City of LA, and they are currently checking wear and tear, maintainability, neighborhood satisfaction, etc.
  - Locations: In the Silverlake neighborhood, Coronado Street between Mayberry Street and Berkeley Avenue, Parking lot at the Balboa Sports Complex (once averaged 160 degrees in summer, now 135-140), half block of Jordan Avenue just north of Hart Street near the headwaters of the Los Angeles River.



**Resources for Students, by Students**

Created by Renata Robins (18 years, Palisades Charter High School)