**PWR015 Lighting Summary**

**Recommendation:**

Switch from conventional incandescent light bulbs to LED or CFL light bulbs during REPLACEMENT of expired bulbs in all buildings and/or during remodeling. The iWG recommends that F&S provides the Zero Waste & Energy SWATeams with an overview of the existing LED efforts, and confirms status of type of lighting and quantity throughout campus.

**From:** SWATeam - PWR (Purchasing, Waste, and Recycling)

**Current Lighting Replacement Procedure:**

LED’s are being specified exclusively on all new lighting projects. This would include projects designed in-house and utilizing Professional Service Consultants. LED’s are being used almost exclusively, with the exception of linear T8 fluorescent lamps. For the most part CFL’s are being phased out as well.

**Summary of some projects documented for FY19:**

* Shop 03 converted the coach lights at Mumford from metal halide to LED ($3,747)
* Shop 03 Temple Buell Hall purchased 55 LED retro fit kits for the sconce lights. The existing fixtures are falling apart and beyond repair. They are installing the kits on work orders as the existing fixtures fail. (($2,341 material)
* Shop 01 Architecture Bld. replaced 6- 300W incandescent lamps with LED ($1,701)
* Shop 01/03 Optical Physics replaced 8- 250W mercury vapor lamps with 160W lamps and made repairs to fixtures not in service ($2,200)
* Shop 01 Grainger replacing around 950 CFL lamps with LED in can lights, sconce lights, and up lighting in chandelier. Utilities supplied material ($4,367), OMA supplied labor (work was done on the building PM, $800 estimated cost).
* Shop 01 Children’s Research Center replaced 81 Incandescent lamps with LED ($568)
* Shop 01 Temple Buell Hall replaced around 660 CFL lamps with LED in can lights. . Utilities supplied material ($ $6,100), OMA supplied labor (work was done on the building PM, $700 estimated cost).
* Shop 01 AITS replaced 224 CFL lamps with LED.  Utilities supplied material ($ $2,341)), OMA supplied labor (work was done on the building PM, $400 estimated cost).
* Shop 03 PPSB replaced existing wall packs with LED. Utilities funded ($6,548)

\*\***Note:** Shop 01 replaces incandescent lamps with a suitable LED replacement as they burn out throughout all the buildings, with few exceptions (there are areas which have MRI equipment and the lab can’t utilize LED). \*\*

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