# Lighting System Check List

## Energy Treasure Hunt

**Best Practices**

1.) **Use motion sensors in seldom used area.**
2.) **Turn off fixtures that are blocked by obstructions**
3.) **Turn off/dim lights near windows/ skylights.**
4.) **Use photo sensors for outdoor lighting**
5.) **Determine required light level and de-lamp**
6.) **Clean dirty and yellowed lenses**
7.) **Lower lights beneath scaffolding**
8.) **Add reflectors to fluorescent lights**
9.) **Look at LED replacement options**
10) **Add task lighting over critical areas and decrease general area lighting.**

| System | Things to Check | Comments |
|---|---|---|
| Indoor Areas – Lighting | • Opportunities with lighting levels/ quality. | • Possibility for de-lamping / dimming.<br>•IES has recommendations by area.<br>• Add task lighting over critical areas and decrease general area lighting. |
| | • Opportunities with lighting replacement. | •Incandescent → LED/CFL ,E.g. Exit signs<br>• Metal Halide → LED ; T12 → T8s fluorescents |
| | • Opportunities with burnt out lamps | • Remove /Replace |
| Indoor Areas - Controls | • Opportunity with areas that are infrequently occupied | • Candidate for motion/occupancy sensors |
| | • Opportunity with areas that have scheduled occupancy | • Candidate for timed switches. |
| | • Opportunity with areas that have ambient lights | • Are lights ON near the windows/ skylight? → Photocells |
| Outdoors | • Opportunities with lighting replacement.<br>• Opportunities with lighting controls. | • LED in place of HID lamps.<br>• Photocell can be used to make the outdoor lights turn ON only when there is no sunlight. |