

## **Warehouse Reduction Action Plan**

### **General Strategies:**

Notify all personnel involved in Demand Response reductions as soon as possible in order to prepare for the event.

Alert all staff of the event and about your facility's participation.

### **HVAC:**

Pre-cool air conditioned areas a few hours prior to the event by reducing thermostat temperatures 5°F to 10°F or as low as 60°F. 10 to 15 minutes before the start of the event, turn off the units completely or raise the temperature set points as high as 80°F. Pre-cooling maintains comfort in the building, while maximizing your reduction by keeping compressors off longer.

Turn off air conditioning (window units, central air system, or set thermostat to 80°F) where possible (break rooms, offices, labs, etc.)

Shut down exhaust fans

### **Lighting:**

Shut off all lighting in unoccupied areas and areas that have sufficient natural lighting (skylights or windows)

Any areas where lighting cannot be fully shut off reduce every other light.

*\*Reduced lighting can assist in maintaining a cooler building temperature as well.*

### **Misc. Equipment:**

Plug load should be turned off and unplugged as appropriate (including vending machines, photocopiers, etc)

Any equipment that cannot be turned off entirely should be reduced to minimum levels.

Turn off all outdoor lighting and signage.

Charge forklift batteries before or after the event.

Non-essential operations should be shifted to before or after the event.

All commercial refrigerators and freezers should be pre-cooled and doors kept shut as much as possible during an event.

Reduce conveyors, overhead cranes, vertical carousels, unit sortation and AS/RS as appropriate.

If there is cold storage, raise temperature on the system and keep the doors shut for the entire event. Most rooms will hold temperature for hours, if the doors are not opened.

### **Operations:**

Adjust shifts or schedules as appropriate to minimize energy use during an event.

### **Generator:**

If there is a generator available for use, it should be engaged 10 minutes before the event start time and kept operating 10 minutes after the event end time. Make sure the generator transfer switch is properly engaged, and ensure the generator is fully fueled for a successful reduction.