## Advanced Power Strips

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### Description

Advanced power strips can be used to turn off electric equipment when no one is in the building, saving energy without impacting the users of the equipment.

### Modeler Description

Find all of the electric equipment schedules in the building, and reduce their fractional values to a user-specified level (default 10%) between user specified times (default 6pm-9am).

### Use Case Types

Retrofit, New Construction

### Arguments

No arguments

### Initial Condition Message

### Final Condition Message

The number of schedules that were edited to reflect the application of advanced power strips.

### Not Applicable Messages

Not applicable if no electric equipment was found in the model.

### Warning Messages

### Information Messages

List each schedule that was modified.

### Error Messages

### Code Outline

* Find all electric equipment
* Get the fractional schedule
* Reduce the schedule to the specified fraction on the specified days

### Tests

**This measure applies to:**

1. Large Office
2. Medium Office
3. Primary School
4. Secondary School
5. Large Hotel
6. Hospital
7. Small Office
8. Stand-Alone Retail
9. Strip Mall
10. Supermarket
11. Quick Service Restaurant
12. Full Service Restaurant
13. Small Hotel
14. Outpatient Healthcare
15. Warehouse
16. Midrise Apartment

### References

1. <http://www.nrel.gov/docs/fy13osti/57730.pdf>