## Desktop Power Management

### Author

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### Description

Individual users may forget to or be reluctant to turn their computers off at night for a variety of reasons such as increased morning startup time. This behavior may conflict with energy savings goals of the organization. With newer operating systems, IT departments can remotely roll out and enable more aggressive power settings to all computers on their network.

### 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). The default value for this measure is not well supported as plug loads are not broken into discrete categories in the prototype buildings.

### Use Case Types

Retrofit, New Construction

### Arguments

No arguments

### Initial Condition Message

### Final Condition Message

The number of schedules that were edited to reflect display power management.

### 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.ecoseed.org/living-green/11072-modified-sleep-mode-allows-pc-to-save-energy-while-maintaining-network-presence>