## PC Network Presence

### Author

* Andrew Parker, NREL

### Description

Computer users and IT departments may be reluctant to turn off computers at night because of the desire to push software updates during these times. However, a new technology can allow computers to maintain their presence on the network and be awoken remotely for task such as pushing software updates. This technology allows computers to be turned off at night without compromising the requirements of the IT department.

### 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 PC network presence.

### 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>