CONNECT

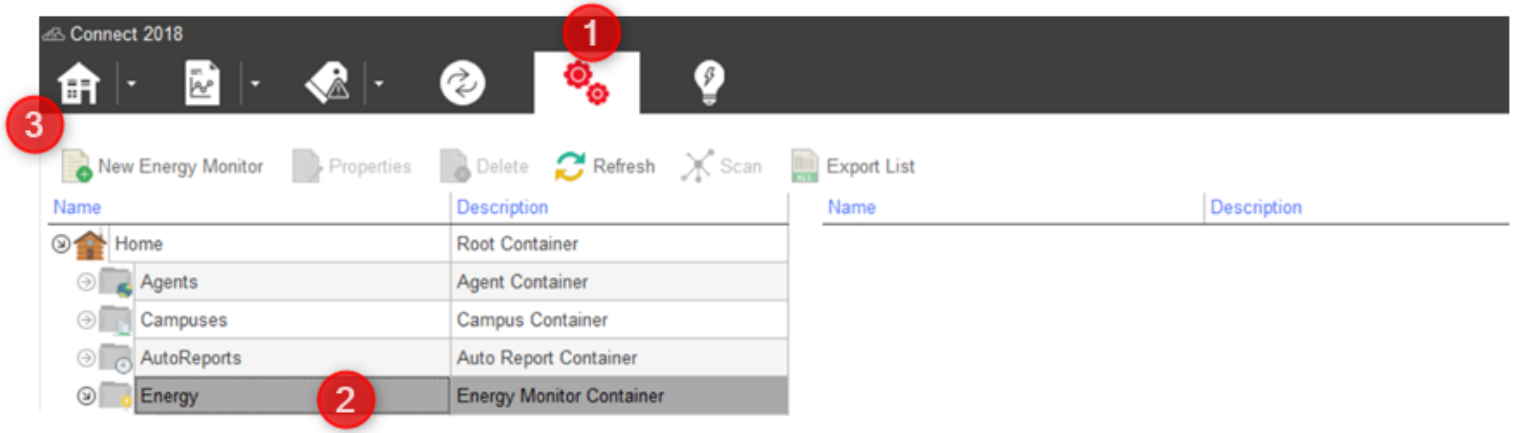
Energy Monitors

KEY2ACT

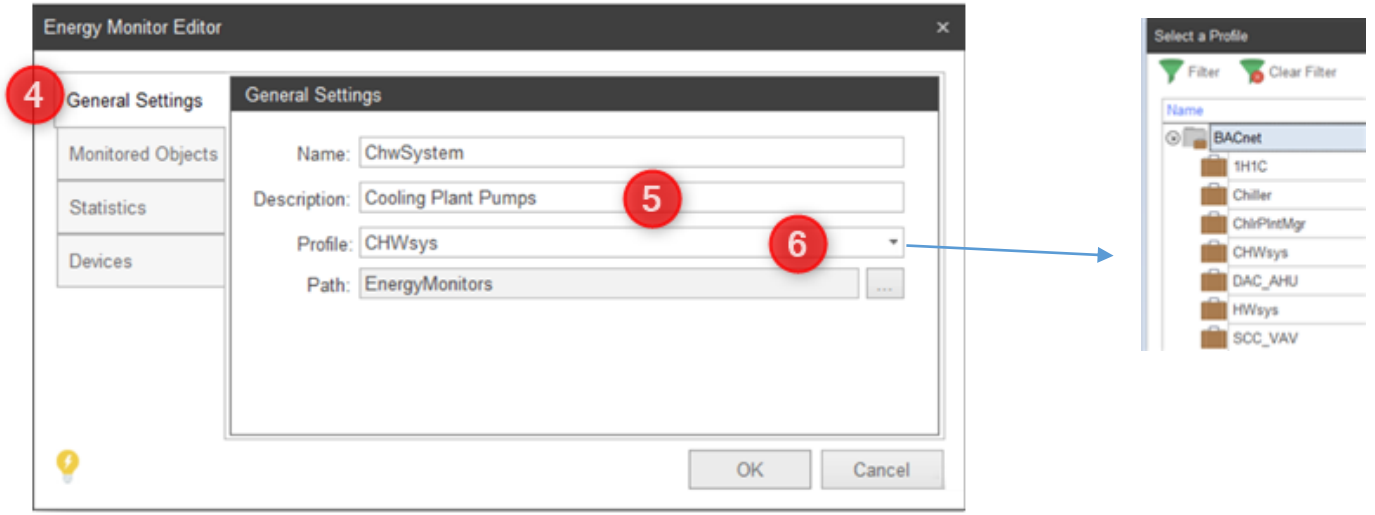
Energy Monitors

Energy Monitors allow a user to monitor the energy usage of an object where the actual energy meter does not exist.

1. Choose the *Configuration Explorer* icon.
2. Then choose the *Energy folder.*
3. Choose *New Energy Monitor*.



4. In the Energy Monitor Editor, in the *General Settings* tab.
5. Enter the **Name** and **Description.**
6. Choose the device **Profile** that contains the objects to be monitored.



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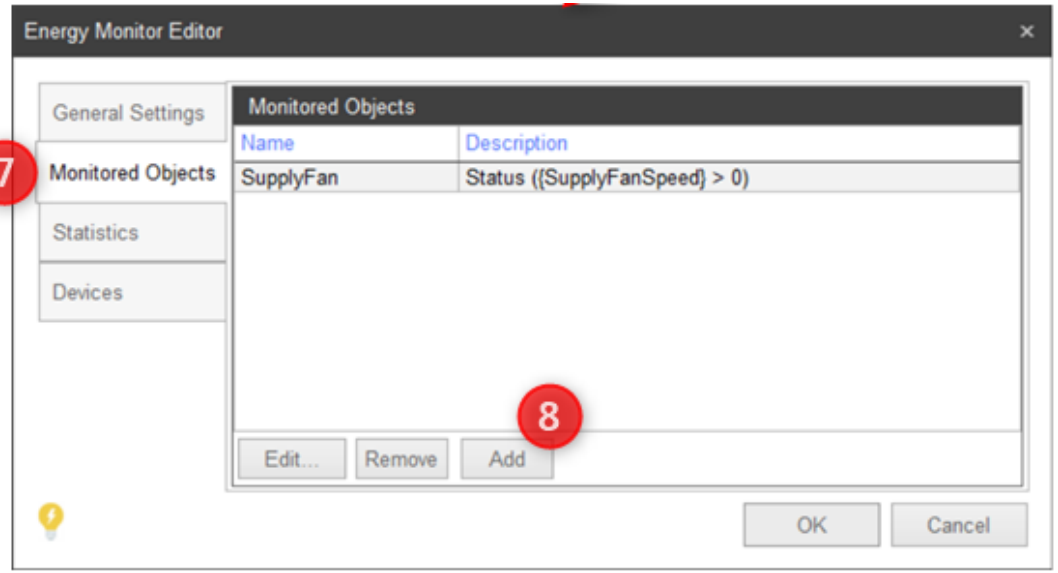
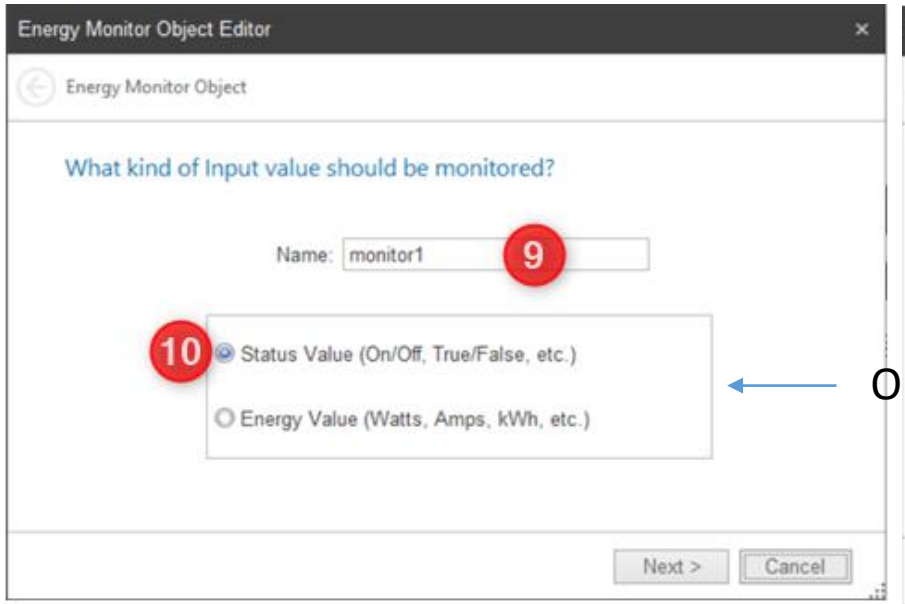
7. Choose the *Monitored Objects* tab.

8. Choose *Add*.

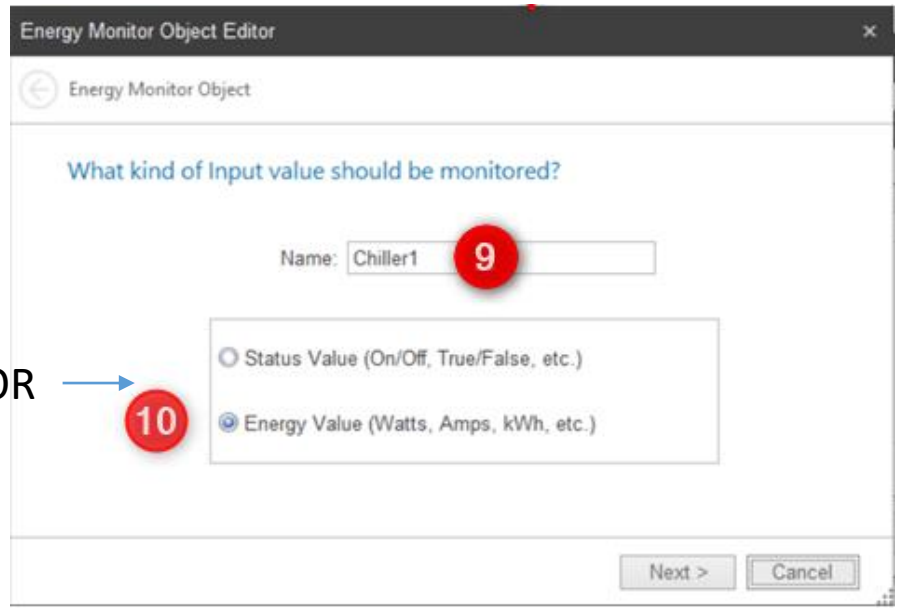


9. Enter the **Name**.

10. Choose **Status Value (On/Off, True/False, etc.)** if the monitored object is Boolean **or Energy Value (Watts, Amps, kWh, etc.)** Choose *Next*.



OR



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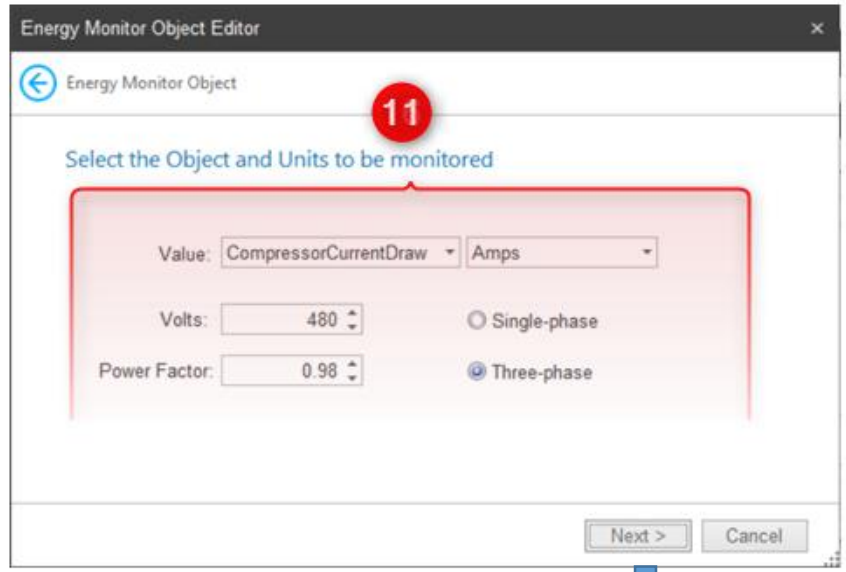
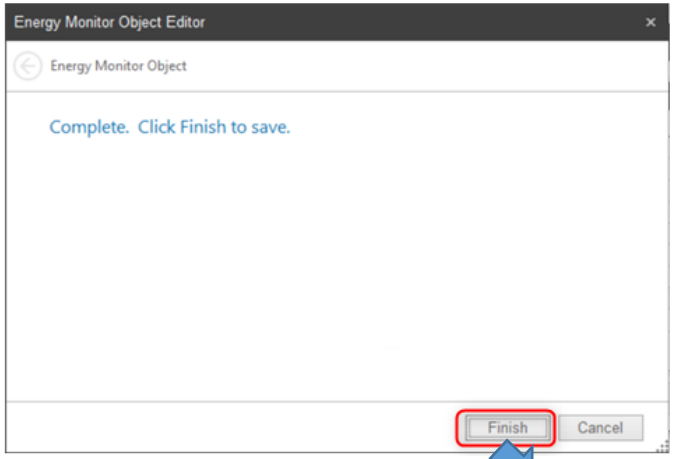
11. Enter the criteria that defines when the object is consuming power.

When using a Status object. Choose *Next*.

OR



When using an Energy object. Choose *Next,* then *Finish*.



Continued at slide 7.

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Energy Monitors

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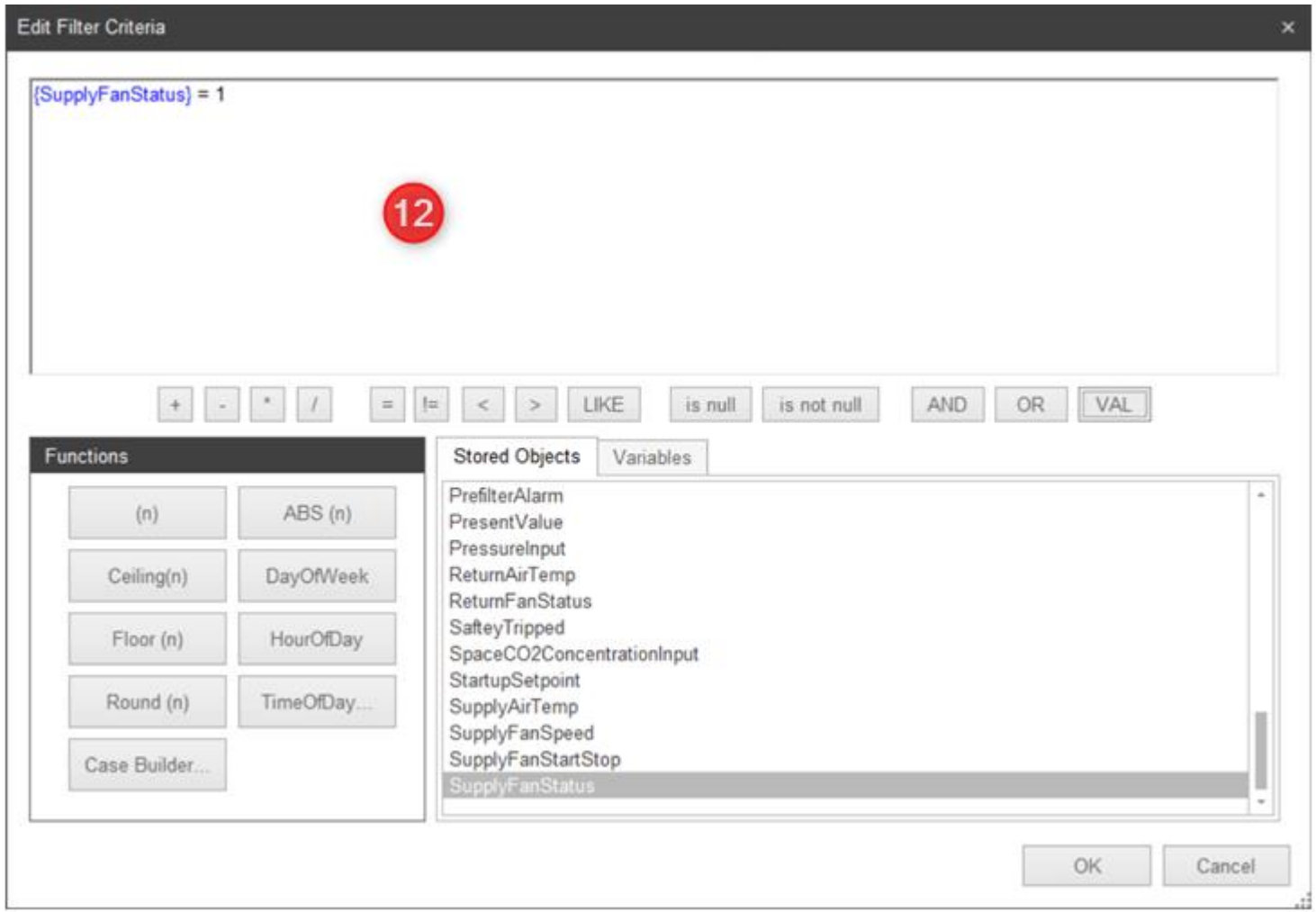
Note that this window applies to a *Status object* Energy Monitor.

12. Enter the criteria that defines when the object is consuming power. Choose *OK*



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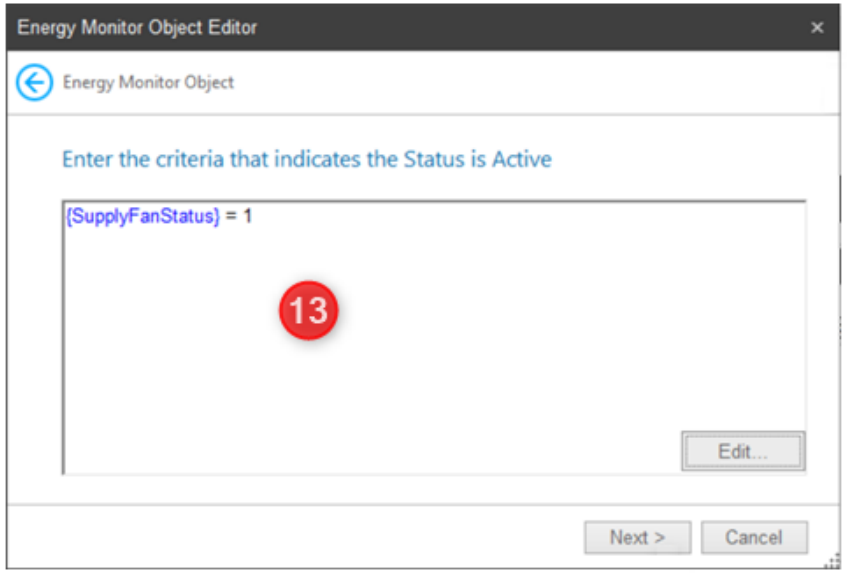
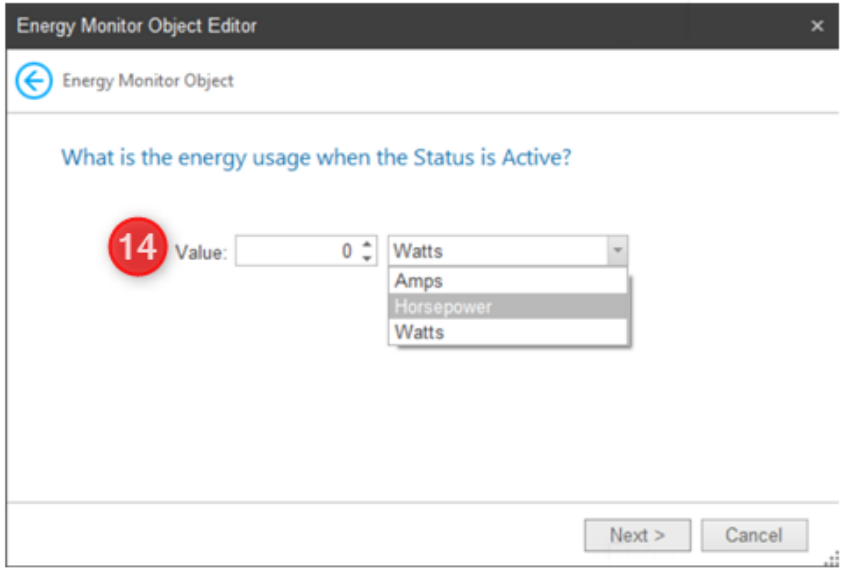
13. Review the expression entered in the previous step. Choose *Next.*



14. Enter the **Value** and choose the **Energy Consumption Type** that occurs when the energy monitor object is active. Choose *Next.*



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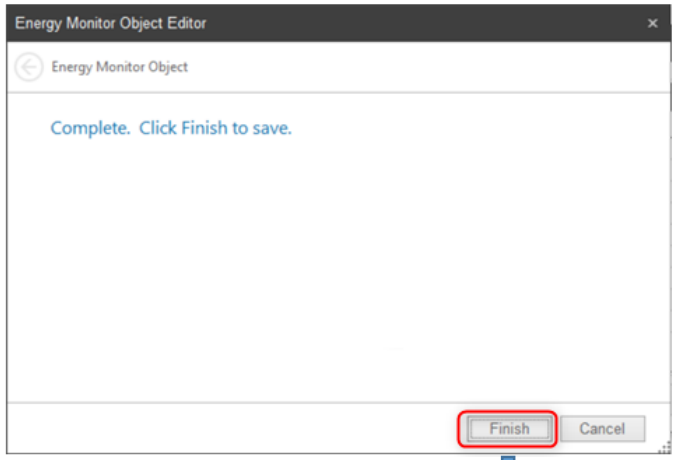
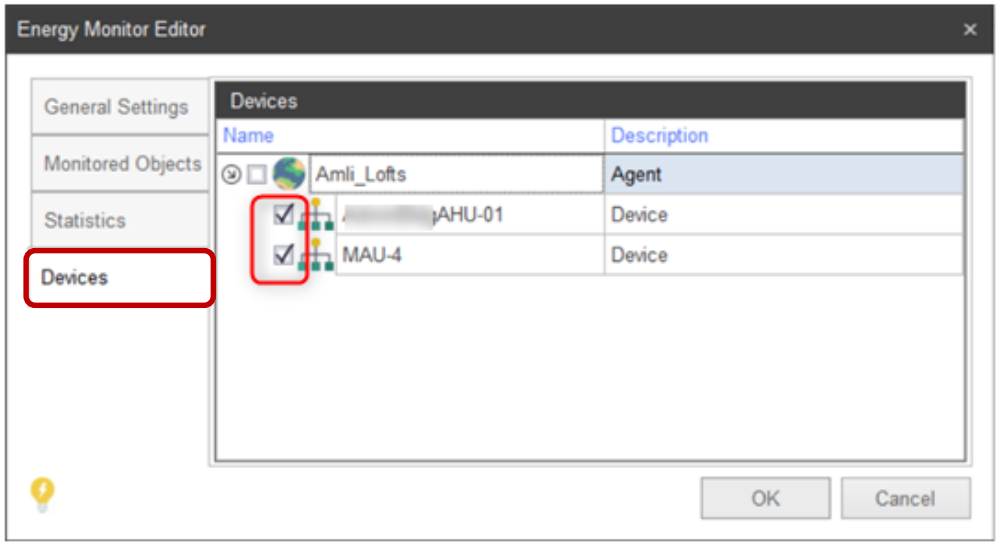
Choose *Finish.*

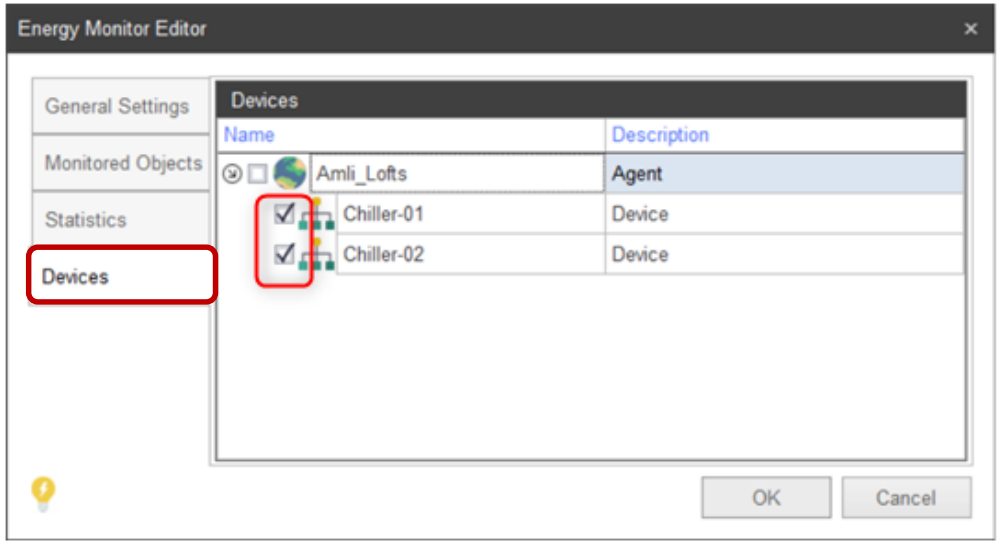


Continued from slide 4.

Choose the *Devices* tab and mark the check boxes next to the devices to apply this energy monitor.
Choose *OK*.



Status object Energy Monitor.



Energy object Energy Monitor.

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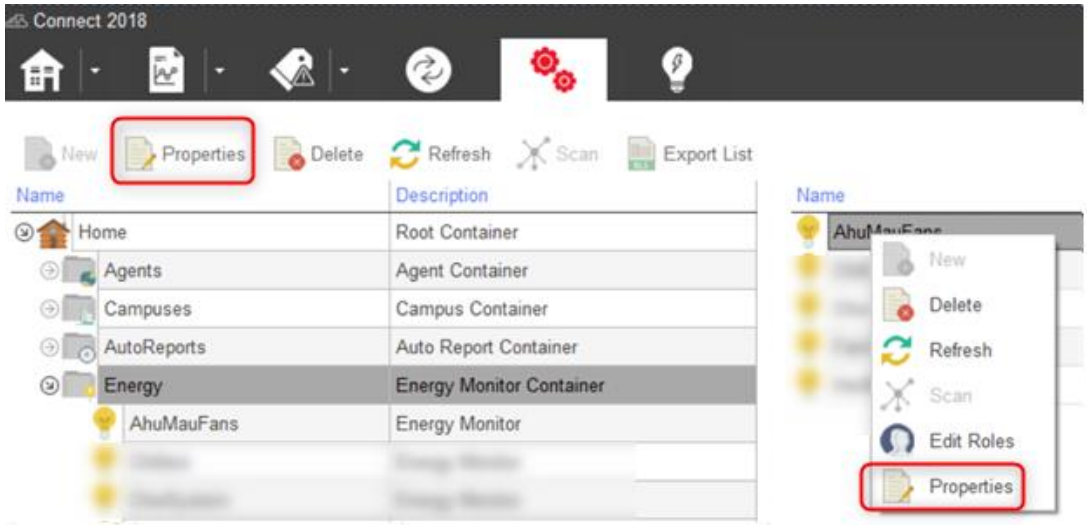
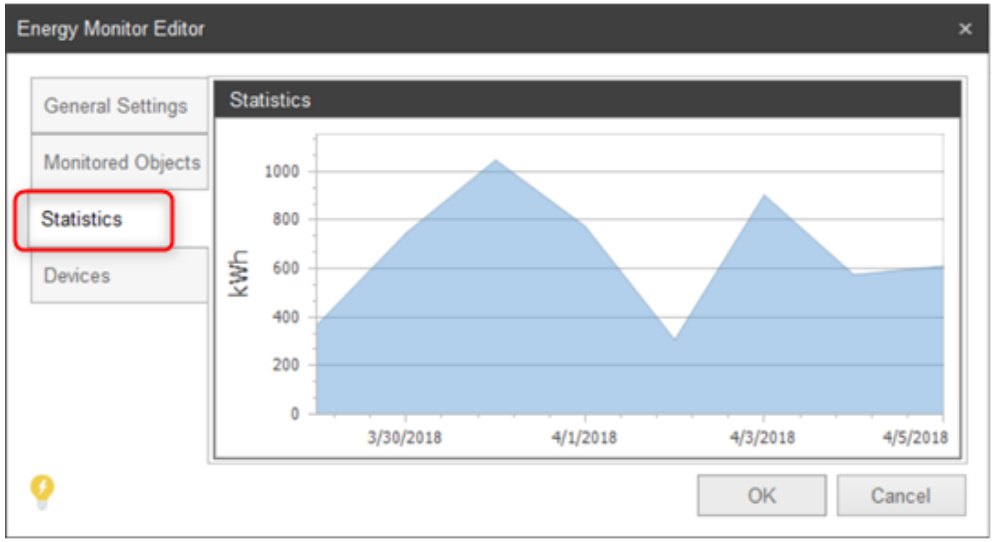
Viewing energy monitor statistics

In the Configuration Explorer window, expand the Energy Folder.
Select the Energy Monitor previously created.
Either select *Properties* from the Tool Bar or R-click on the Energy Monitor and choose *Properties* from the drop down window.



Select the *Statistics* side tab.
If the monitored object contained past data sample collections, then Historic energy usage from the past should appear on the chart window. If past samples do exist and no historic energy usage appears then revisit the expression shown in slide 5. Verify data type.



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Energy Monitor Dashboard

This example is set to a 28 day Date/Time Range and a 7 day Previous Period.

This value is from 3/9

This value is from 7 days prior 3/2

A comparison table of the Date/Time period usage to the Previous Period usage.
Clicking on a row provides a focus down to hourly usage.

A comparison chart of the Date/Time period usage to the Previous Period usage.

Date/Time Range "Width of chart" = 28 days.
Previous Period "Red Values" = 7 days

The far right points are using current time of day compared to usage at the same time of day last period.

A chart illustrating the usage over the Date/Time Range.

Note the handles on the left and right edges to adjust the time period focus of the chart above.

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THANK YOU