

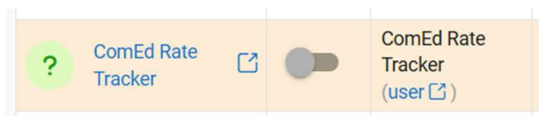
Readme file

This document is designed to help you install the files correctly and gain a good understanding of how ComEd calculates Hourly pricing.

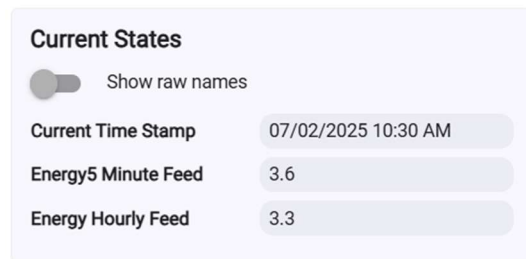
Required Files:

Driver: ComEd Rate Tracker
Application: Tile Template Device Manager
Tile Format: comedTile

Install the Driver into the Driver Codes section for developers. The Driver will create a device named ComEd Rate Tracker.



You will be able to open the Device and press the POLE pushbutton in the upper right. It should display the ComEd Rates for that moment. ComEd updates them every 5-7 minutes. So, hitting the poll right will seem like nothing happened, but it did.

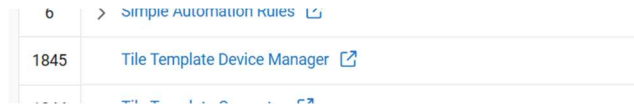


Tile will only work on the "Easy Dashboards," not "Hubitat Dashboards."

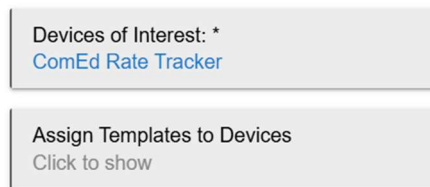
Install the Application into the Apps Codes section for developers. An application called Tile Template Device Manager will be created. We will use this after the next step.

Now for the comedTile file, this is a Tile Format. Go to the Settings, File Manager. Press the "+Choose" push button. Now browse to the location where you downloaded the file from GitHub. Select comedTile and open it. Now press "Upload". The file will be uploaded to the Hubitat Device.

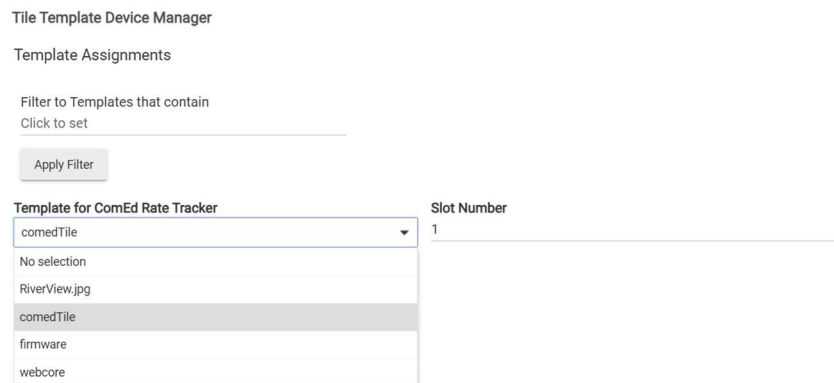
Now, let's return to the Tile Template Device Manager. You can find this Application in the Apps section and open it by tapping the App.



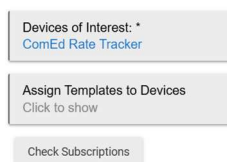
Select ComEd Rate Tracker for Device of Interest



Now let's Assign Template to the Device. Select comedTile enter 1 for slot number



Next we want check Subscriptions. Press the button



Found 1 device(s) with 0 subscription(s). Made 1 corrections, and refreshed 1 slot(s).

If you press check subs again, it should say the following

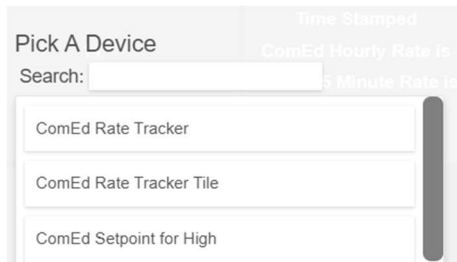
Found 1 device(s) with 1 subscription(s). Made 0 corrections, and refreshed 1 slot(s).

After all of that, this will create a device named "HTML Tile Device XXXX."

You open that Device, and under the "Device info" tab, you can change the Device Label to something like "ComEd Rate Tracker Tile."

Also, you can add this to a Room and Dashboard access

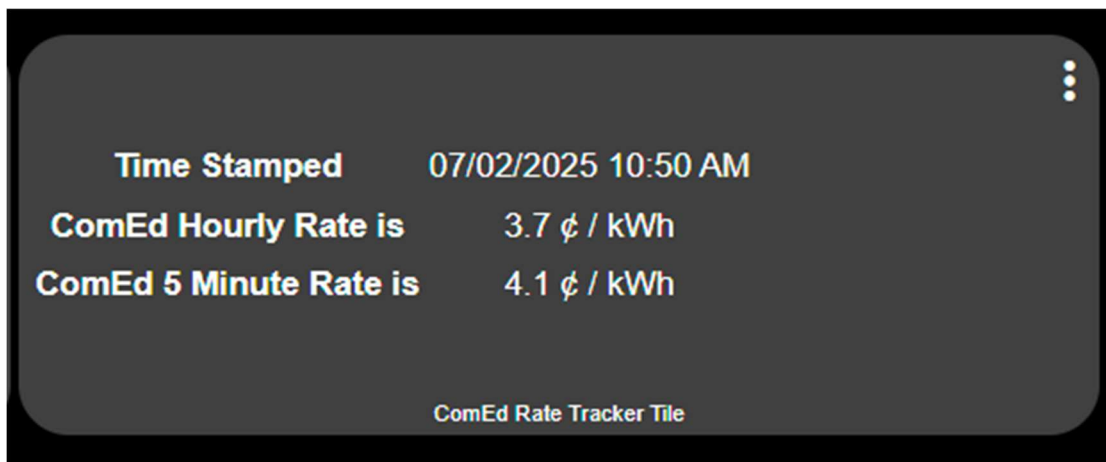
Now, you should be able to go to the Easy Dashboard and add a tile. Remember, the dashboard requires access to the tile; otherwise, it will not appear in the list. Add ComEd Rate Tracker Tile. I use two spaces in width, and it looks good then.



Pick A Device

Search:

- ComEd Rate Tracker
- ComEd Rate Tracker Tile
- ComEd Setpoint for High



One last item is to create a rule that accounts for the occasional hiccup in ComEd's logging, which will prevent the ComEd Rate Tracker from stopping. Under Rule Machine, make this rule.

ComEd Rate Tracker polling Stopped

Name this Rule*

ComEd Rate Tracker polling Stopped

☐ Use Required Expression ☐ Rule Function to Return a Value

Select Trigger Events

ComEd Rate Tracker reports `currentTimeStamp(07/02/2025 11:15 AM)` *changed*

Select **Actions** to Run (and Create and Manage **Conditions** and **Local Variables**)

Delay 0:10:00 (cancelable)
poll() on ComEd Rate Tracker

If the TimeStamp value doesn't change, then the delay timer will time out after 10 minutes and the ComEd Rate Tracker poll will run automatically.

That should complete the installation.

ComEd has two values that you can monitor: 5 Minute Rate and the Hourly Rate.

The 5-Minute Rate is updated every 5 minutes, and the Hourly Rate is an average of the 5-Minute Rates that have been tracked since the top of the hour, totaling 12 readings.

ComEd calculates the "Billed Hourly Rate" and the end of the hour. So, you could have been running high-energy devices in your house for the first half of the hour, and then the 5-minute Rate jumps to \$0.75 per kilowatt-hour, and you will still be charged for the end-of-hour average.

I set up all my rules to monitor the 5-minute Rate and trigger my energy-saving rules when it's high. Then, if the 5-minute Rate and the Hourly Rate are below a set point, stop the energy-saving rules.