Energy Price & Supply Power BI Dashboard User Guide

Contents of the Power BI Report

Data from a variety of sources are now displayed **visually and interactively.** Data can still be exported to Excel in tabular form.

Visuals update automatically as the underlying data is updated.

Electricity
Residential retail electricity prices in CT and New England.

Natural Gas
Residential natural gas prices historically and monthly, spot prices, and weekly working natural gas in underground storage regionally.

Gasoline
Current retail gasoline prices in CT counties and monthly regular retail gasoline prices regionally.

Petroleum
Wholesale and spot prices for major petroleum products including crude oil, propane, regional heating oil and CT retail heating oil.
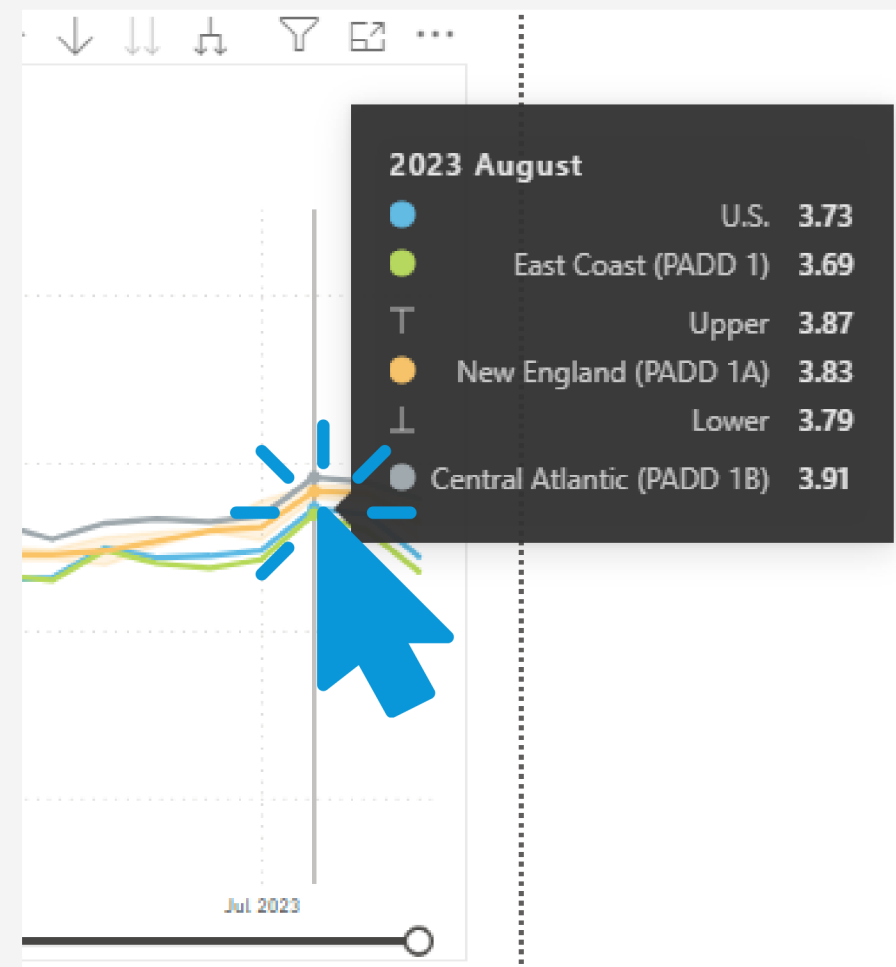
Storage
Weekly national stocks of crude oil and petroleum products and weekly working natural gas in underground storage nationwide.
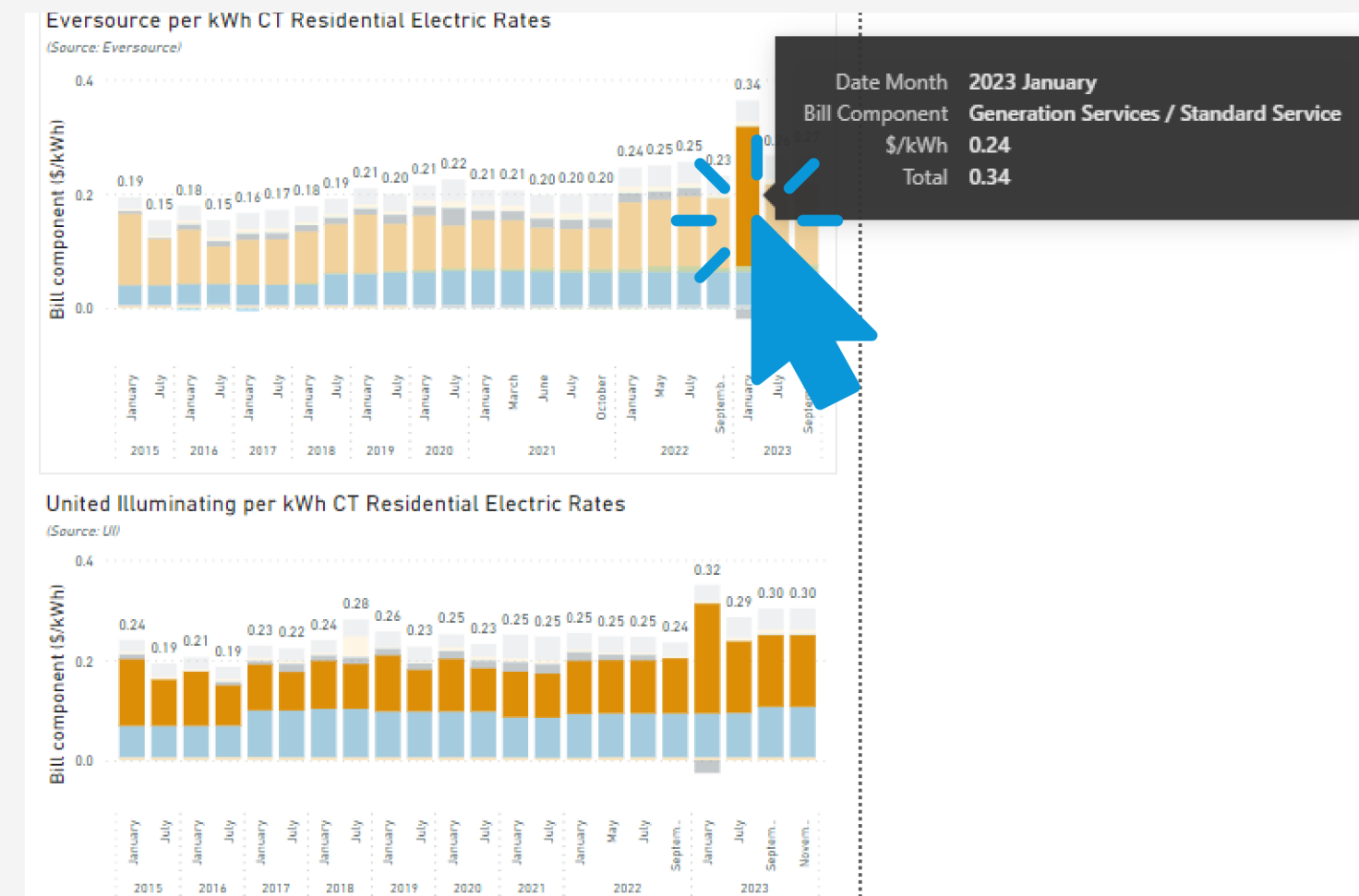
Diving in on visuals

Hover
Move your cursor over a visual to view detailed data.

Click
The visualizations on a single report page may be "connected" to each other. If you click one or more values in one visualization, other visualizations may also highlight that data.
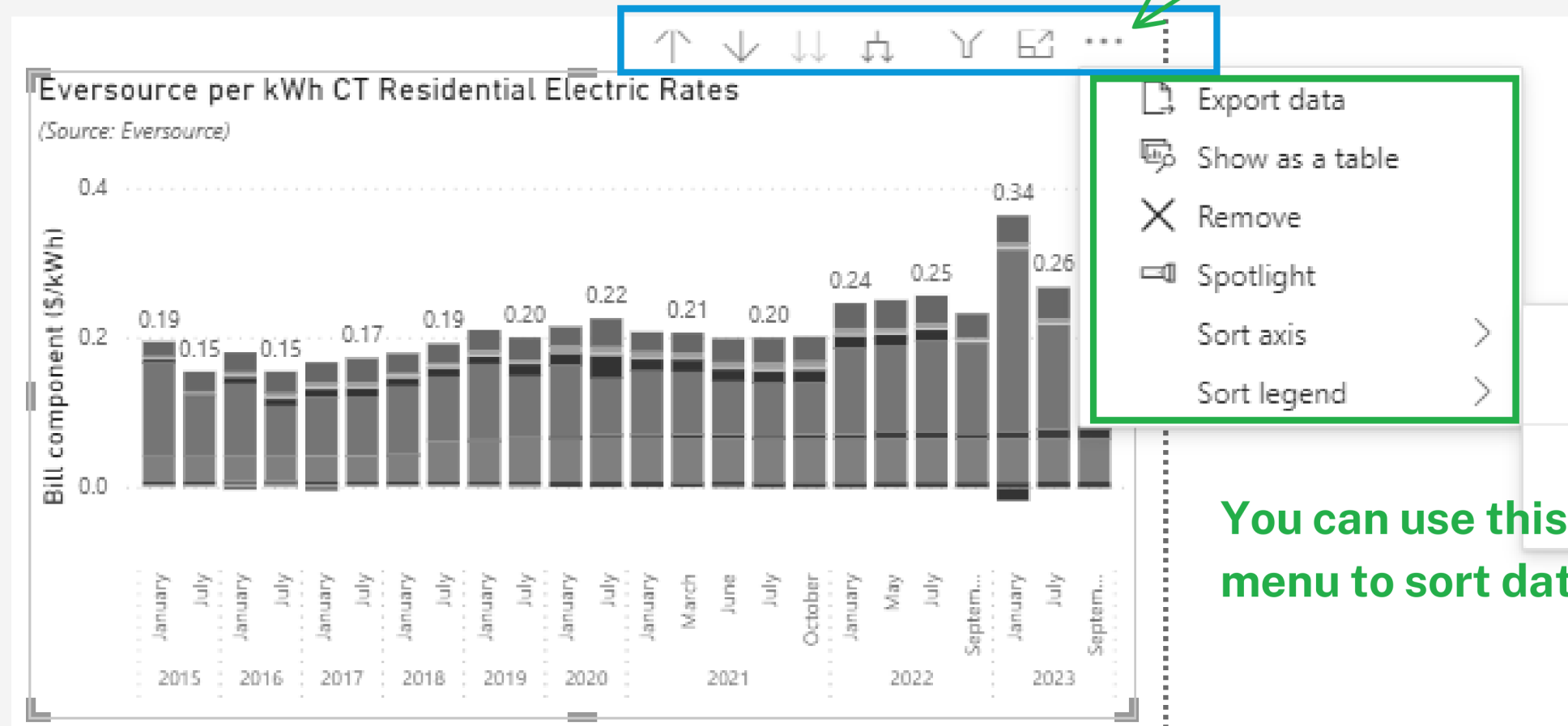

For example, each bar in this visual contains multiple "components" of an electric bill. By clicking on one component in the top visual, the same component is highlighted in the lower one.

Diving in on visuals

Hover over visuals to view these icons

Click "…" to view the More Options menu

Eversource per kWh CT Residential Electric Rates
(Source: Eversource)

You can use this menu to sort data

Focus mode

Selecting the focus mode icon will expand the current visual across your screen for closer viewing.

Export data

You can export data and view it in Microsoft Excel. Any changes that you make in the Excel file won't impact the data in Power BI.
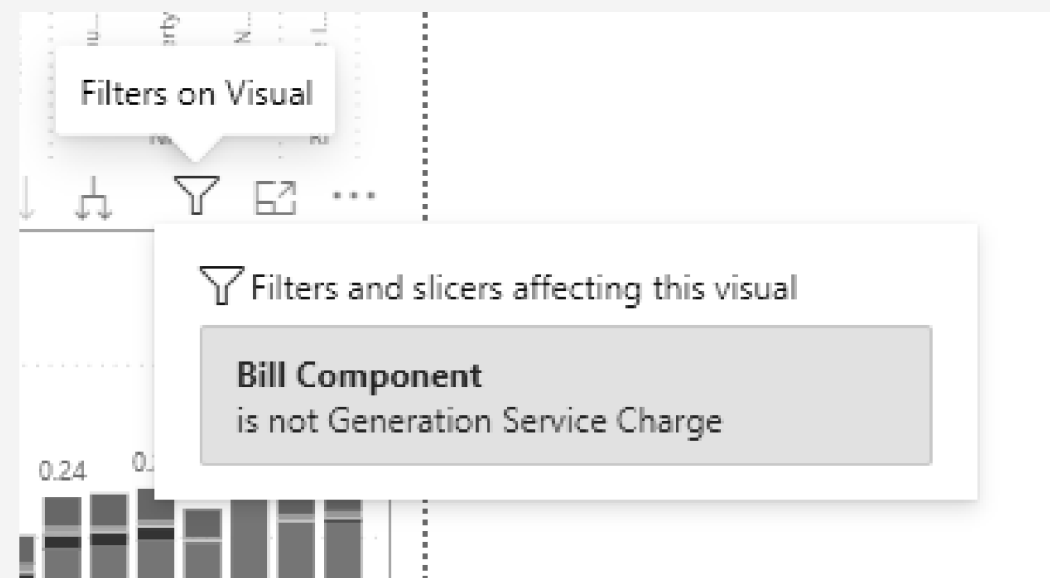
Show as a table

Selecting this lets you display the data that is being used to create the visual. Power BI displays the data below or beside the visualization.

More details on navigating reports are available here: **"Quickstart: learn about the Power BI capabilities for business users"**
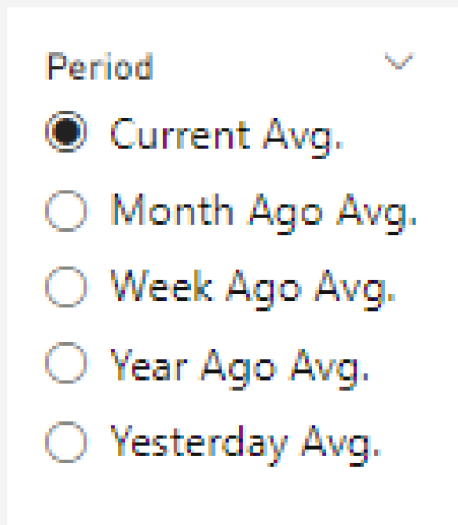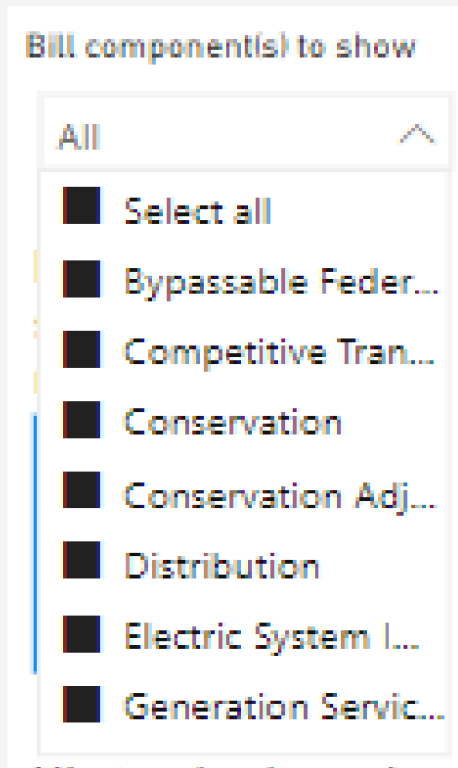
Slicers

A slicer filters the visuals on a report page.

There are multiple types of slicers in this Power BI report.

Hovering over a visual will show what filters and slicers are currently affecting the data shown.
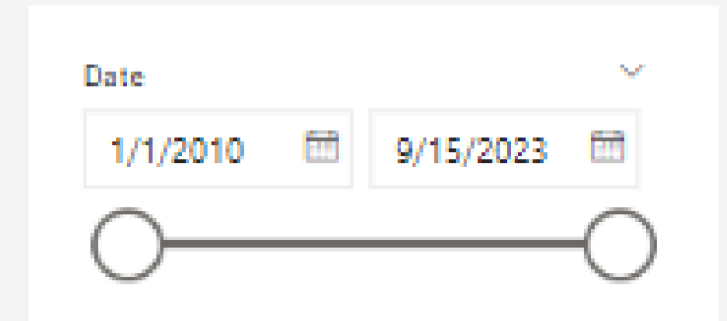

Multiple selection

In a basic checkbox slicer, select one or more checkboxes to see the impact on the other visuals on the page.

To select more than one, use CTRL or Command-select.

Dark boxes are currently selected.

Single selection

If the slicer has cirlces instead of boxes, you can only select one option at a time.
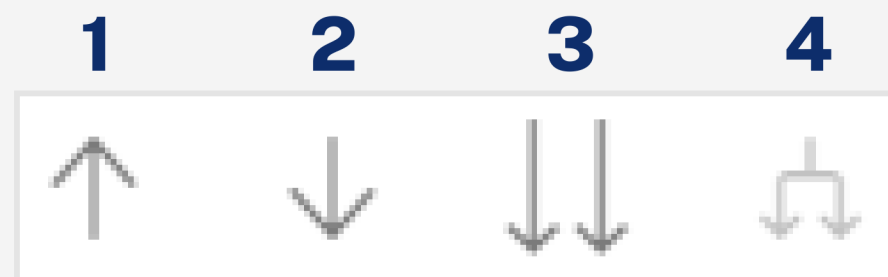

Date range

The numeric range slicer helps you explore data by constraining the dates shown in a visual. Use the handles to select a range.

More details on using slicers are available here: **"Using slicers in the Power BI service"**

Drill mode in Power BI

Hover over any visual to access the drill-down, drill-up, and expand features. You can interact with data to explore varying levels of detail.

The icons shown below allow you to enter drill mode:

1	2	3	4
↑	↓	↓↓	⤵

1. Drill up

Drill up by selecting the up arrow.

Drilling up shows the data at a higher level of granularity.

For example, if you are viewing a timeline showing average monthly electricity prices, selecting the up arrow to drill up will summarize the data to show the average electricity price for each year.

2. Drill down one field

Drill down one field at a time by selecting the single down arrow icon.

For example, if you are viewing a timeline of average annual electricity prices, drilling down by clicking on a specific year will show the average monthly electricity prices for that year.

3. Drill down all fields

Drill down all fields at once by selecting the double down arrow icon.

For example, if you are viewing a timeline of average annual electricity prices, drilling down by clicking on a specific year will show the average monthly electricity prices for that year.

"Drilling down" shows the data at a finer level of granularity.

4. Expand

Expand by selecting the split arrows.

Expanding the data shows another level of detail for each category.

For example, if you are viewing a timeline of average annual electricity prices, expanding the data will show the average monthly electricity prices for each year.

More details on drill mode are available here: **"Drill Mode in the Power BI Service"**

Other resources

For more detailed instructions on navigating Power BI and using reports, please see these further resources:

- Index of Microsoft end user documentation
- Basic concepts for the Power BI service business user
- Quickstart: learn about the Power BI capabilities for business users
- Reports in Power BI
- Full PDF end user guide