

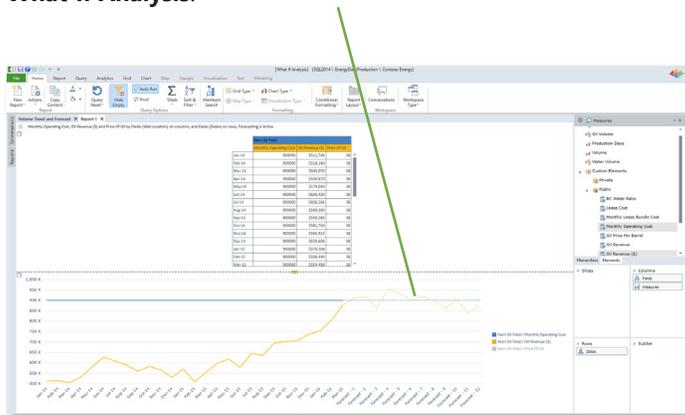
BI Office What-if Analysis

Cell Overlay in Data Discovery allows users to create what-if scenarios in the Advanced Calculation Designer. Combine a cell overlay with a calculated measure and a forecast to perform this advanced what-if analysis.

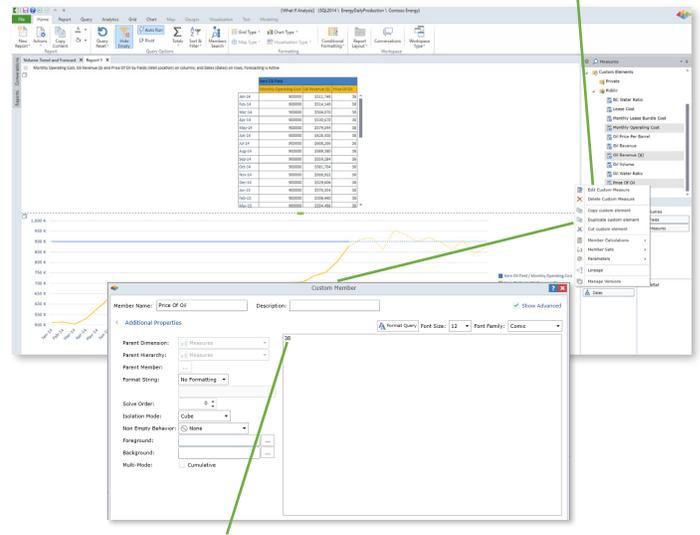
Setup

Start with an existing report that contains a **trend chart** in order to use the **forecasting** feature.

Notice the forecast **trend line** and note its performance. If performance is lower or higher than expected, enhance the view by using a **Cell Overlay** to determine benchmarks that will either enhance or lessen the performance. This is called **What-if Analysis**.



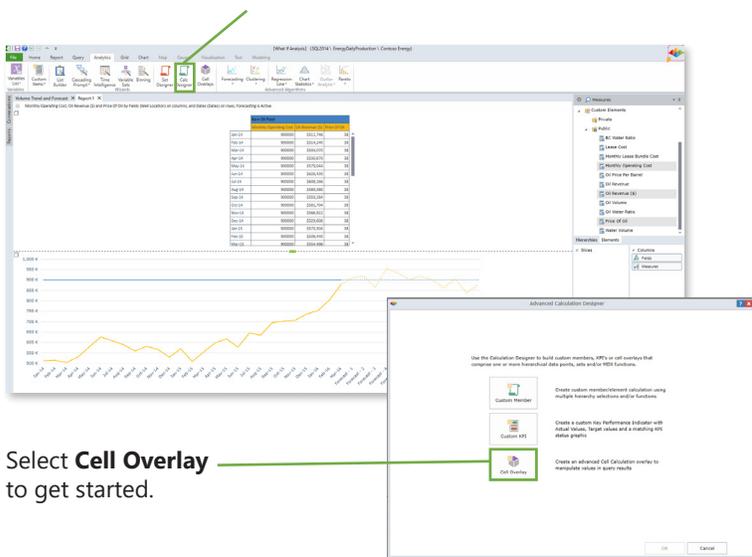
The trend chart shows a **calculated measure** for an attribute. Click on that measure in the **content panel** and choose **edit** to see the specific **calculation** associated with it.



Notice the **hardcoded** number inside the **Custom Member** editor pane. Build a **Cell Overlay** to update the trend chart to reflect the new projected **performance** mark.

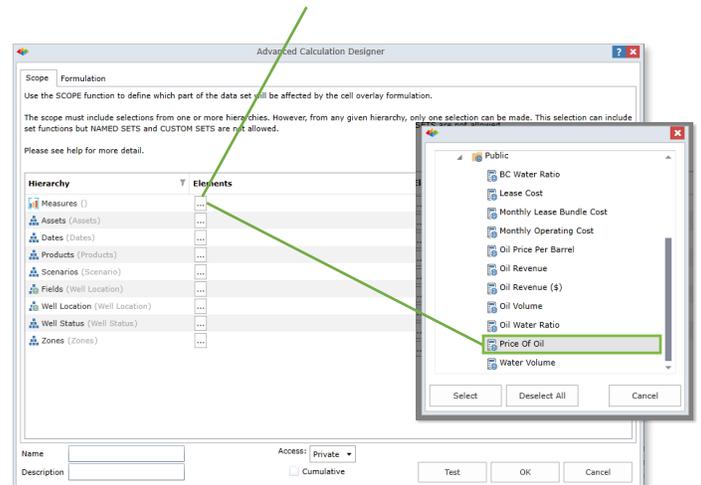
Create a Cell Overlay

From the **Analytics** tab, open the advanced **Calculation Designer**.



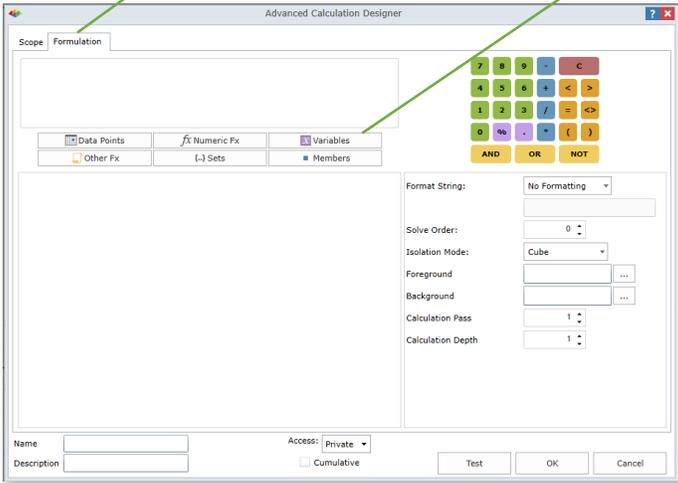
Select **Cell Overlay** to get started.

Click on the **ellipse** button next to Measures under the **Elements** column. Then navigate to the **measure** that is associated with the chosen performance **mark**.

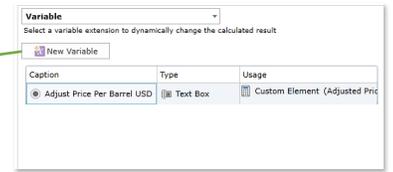


Create the Calculation

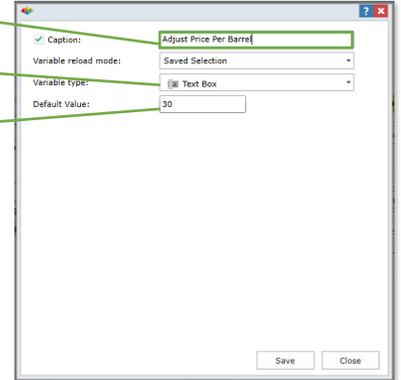
Click on the **Formulation** tab to set the calculation used to generate the **Cell Overlay** value.



First click on **Variables** then **New Variable**.

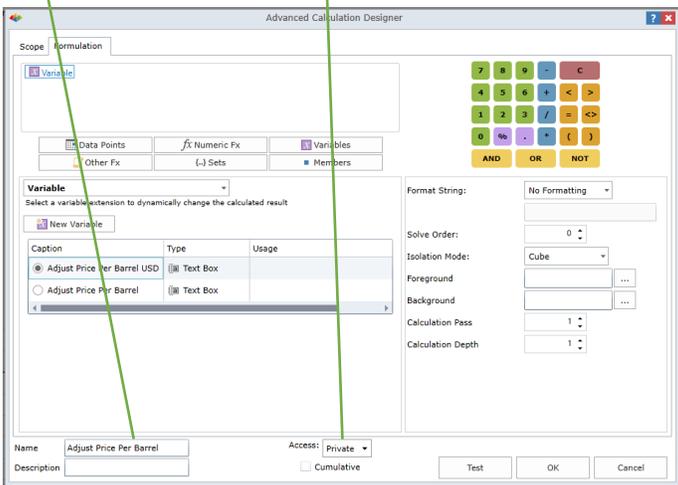


In the **Caption** box, name the new variable then from the **Variable type** list select **Text Box**. Set the **Default Value** to the desired mark value.

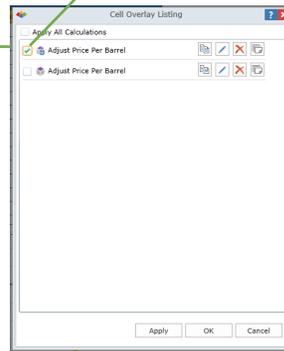


Execute the Calculation

Name the **Cell Overlay** then **save** it to the desired **folder**.



Apply the **Cell Overlay** by checking the box next to it.



Run the query.



Notice the **Text Box** appear. Click on the dropdown menu to change the desired **target** value to see the **What-if** scenario come alive. Notice the trend chart update and show the **correlated** performance outcome.

