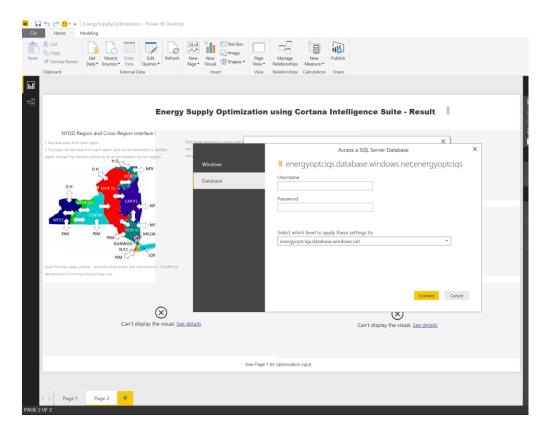
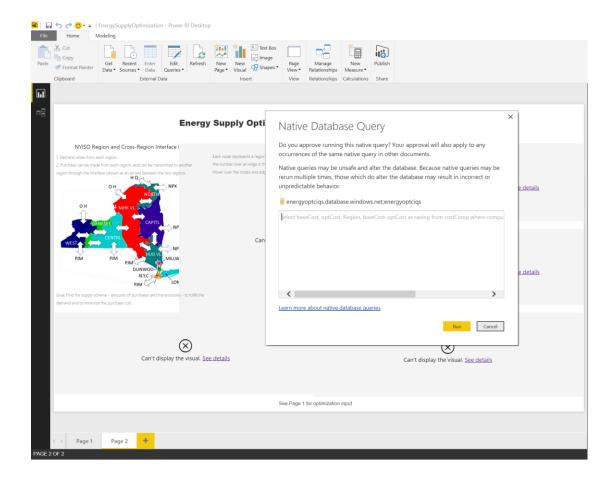
Create PowerBI Dashboard

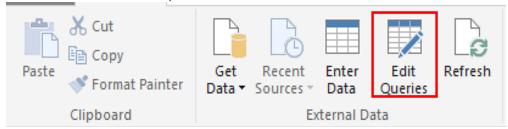
Follow the below steps to produce your own dashboard to visualize the results.

- Download PowerBI Desktop(Windows) from here and install it.
- Open the file "EnergySupplyOptimization.pbix" which we downloaded earlier. The dashboard will be
 empty and contain some errors when you first open it. If it asked you to enter credentials to access
 the database used to create this template as shown below, click "cancel". It will try to run all the
 queries and will give some errors (due to incorrect SQL Server). Click "Cancel" until the error screen
 is gone.

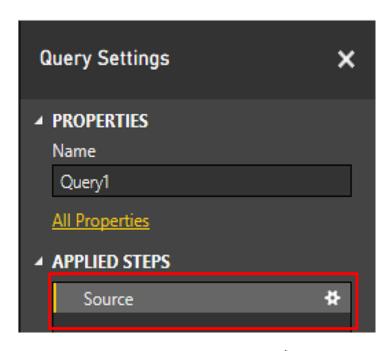




• Click "Edit Queries" at the top of the user interface.



• Click "Source" on the right side of the user interface and enter your own server and database name in the prompt window.

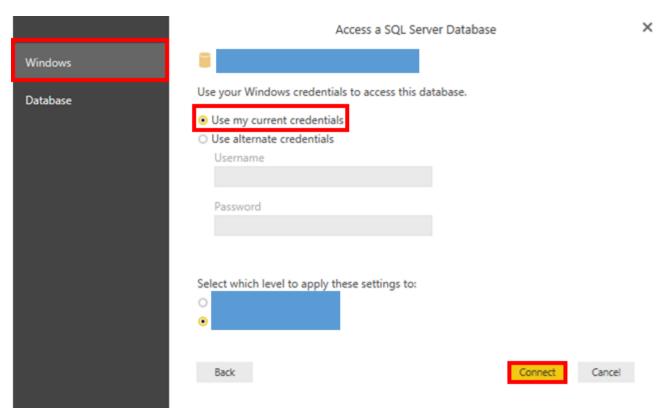


SQL Server Database

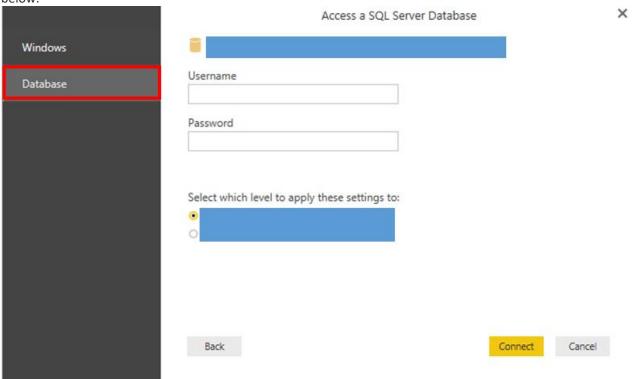
Import data from a SQL Server database.

Server testserver, 1433 Database testdb

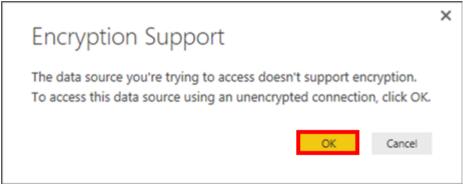
• Enter user name and password for accessing the database
For Windows Authentication, select "Windows" on the left side of the prompt window as shown below.



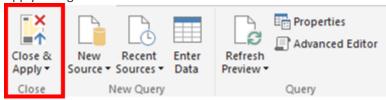
For SQL Server Authentication, select "Database" on the left side of the prompt window as shown below.



If you encounter the following prompt, click OK to continue.

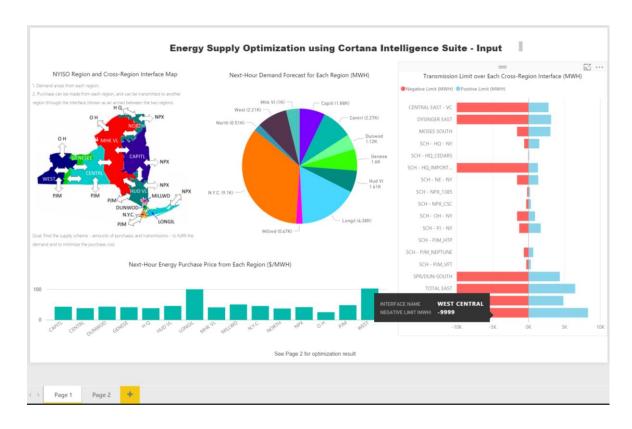


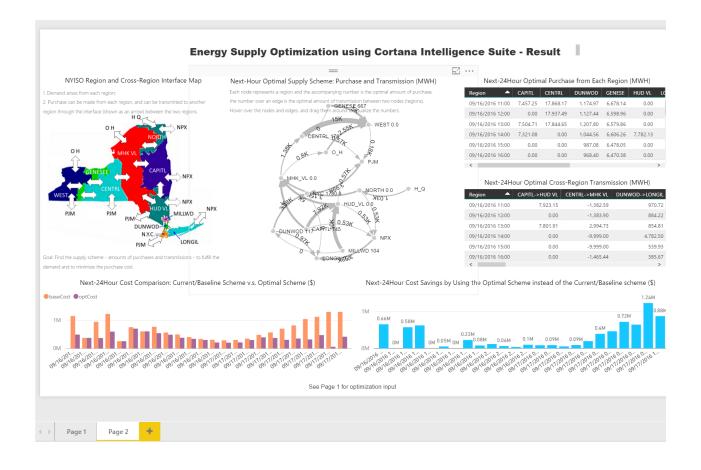
- Do the same for all the six queries.
- · Apply changes.



• Save the Dashboard [Ctrl+S]

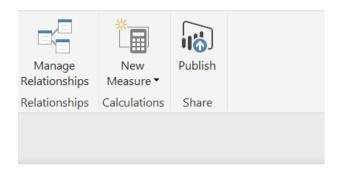
You should see a PowerBI dashboard looks like the figure below. At first, you only see the actual load data in yellow. The first set of forecasted demand will be produced within 20~30minutes. Refresh the dashboard to see the latest data. **NOTE**: If you are using Windows Authentication, you will only see one region on the dashboard, as we assumed a less powerful server is used and only created a job for one region.





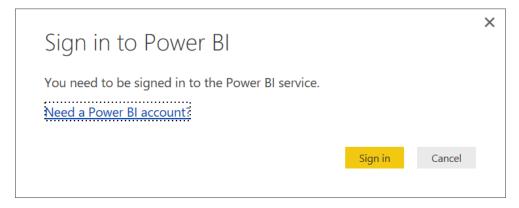
Publish Dashboard

Click on the Publish button under the Home tab on top of the Dashboard

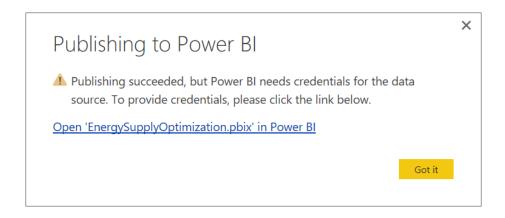


using Cortana Intelligence \$

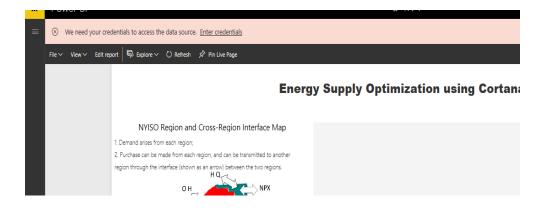
• If you are not logged in to PowerBi with your windows accound, you will be asked to Sign in



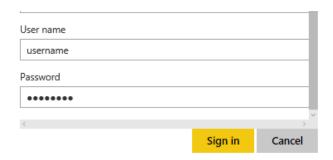
- Select your workspace in which you want this Dashboard to be
- Once done, you will get following message, requesting to provide the credentials of the SQL Server. Click on the link mentioned to update the server credintials



This will open the powerbi on your brower. Sign in with your windows account. On the top you
will see option to enter credentials. Click on "Enter Credentials"



• Click on "Edit credentials" and provide User name and Password for the SQL server and Sign in



You can find EnergySupplyOptimization under Reports on left side of the page

Share the Dashboard and Reports: Link