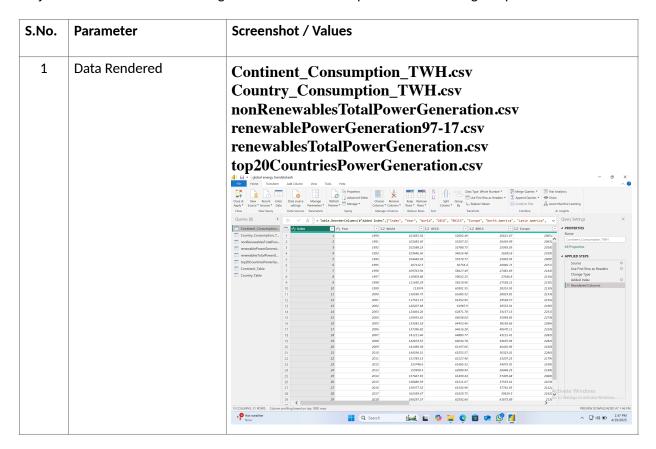
Project Development Phase Model Performance Test

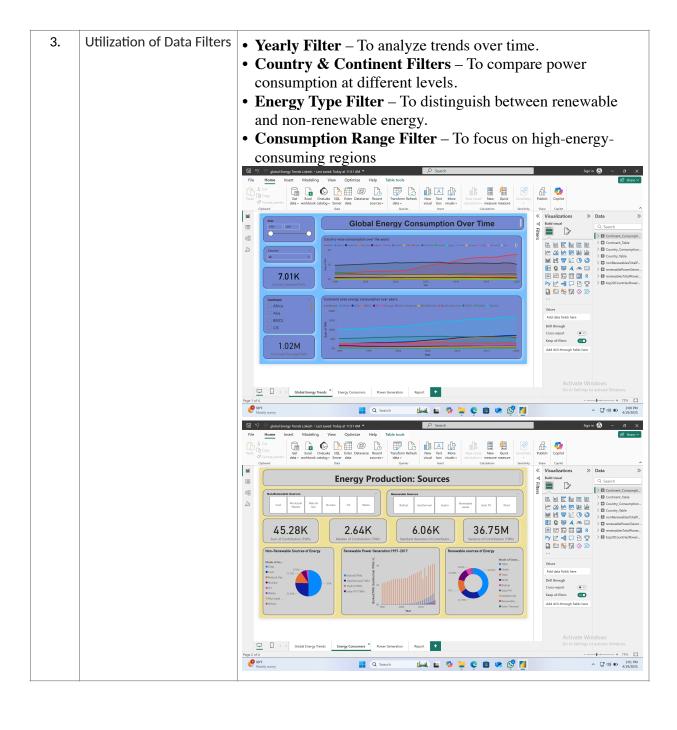
Date	16 April 2025
Team ID	PNT2025TMID07432
Project Name	Global-Energy-Trends-A-Comprehensive- Analysis-of-Key-Regions-and-GeneraKon- Modes- using-Power-BI
Maximum Marks	

Model Performance Testing:

Project team shall fill the following information in model performance testing template.



2	Data Preprocessing	• Removed Null Values – Ensured data completeness.
		• Unpivoted Table – Converted wide format data into a long format for better filtering and analysis.
		• Created Two New Tables from Existing Data:
		• Country Consumption Table – Extracted from Country_Consumption_TWH.csv for country-level insights.
		• Continent Consumption Table – Extracted from Continent_Consumption_TWH.csv for regional comparisons.
		• Added Index Columns – Assigned unique IDs to facilitate merging and analysis.



4.	DAX Queries Used	 Total Country Consumption = SUM(Country_Consumption_TWH[Total Consumption (TWH)]) Total Continent Consumption = SUM(Continent_Consumption_TWH[Total Consumption (TWH)]) Percentage Contribution = DIVIDE([Total Country Consumption], [Total Continent Consumption], 0) * 100 Rank by Country = RANKX(ALL(Country), [Total Country Consumption], , DESC, DENSE) Rank by Continent = RANKX(ALL(Continent), [Total Continent Consumption], , DESC, DENSE) Continent Average(TWh) = AVERAGEX(SUMMARIZE('Continent_Table','Continent_ Table'[Continent],"Total",SUM('Continent_Table','Country_Table','Country_Table','Country_Table','Country_Table'[Country],"Total",SUM('Count ry_Table','Country_Table',
5.	Dashboard design	 No of Visualizations / Graphs - Country-wise energy consumption Continent Energy Consumption Continent Average(TWh) Country Average(TWh) Non-renewable sources of Energy Renewable Generation 1997-2017 (TWh) Cards - Sum, Median, Standard Deviation and Variance of Contribution(TWh) Renewable Sources of Energy Cards - Geothermal, Biofuel, Hydro and Solar PV BRICS, OECD, and CIS Comparison Report Narrative Energy Consumption in African countries

