

# **plugging into the future: an exploration of electricity consumption patterns using tableau**

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TEAM ID	LTVIP2026TMIDS89110
PROJECT NAME	plugging into the future: an exploration of electricity consumption patterns using tableau
MAXIMUM MARKS	4 MARKS

## **3.2 Solution Requirements**

### **Data Requirements**

- Comprehensive Consumption Data:** Historical electricity usage data across residential, commercial, and industrial sectors.
- Regional and Temporal Granularity:** Data segmented by regions, states, cities, and time intervals (daily, monthly, yearly).
- Energy Source Information:** Breakdown of consumption by renewable and non-renewable sources.
- Demographic & Economic Indicators:** Population, urbanization rate, industrial growth, and economic activity for correlation analysis.
- Data Quality:** Accurate, complete, and consistent datasets, preferably in CSV, Excel, or database formats compatible with Tableau.

By meeting these solution requirements, the project aims to transform complex electricity consumption data into actionable insights, enabling stakeholders to make informed, strategic, and sustainable energy management decisions using Tableau.

