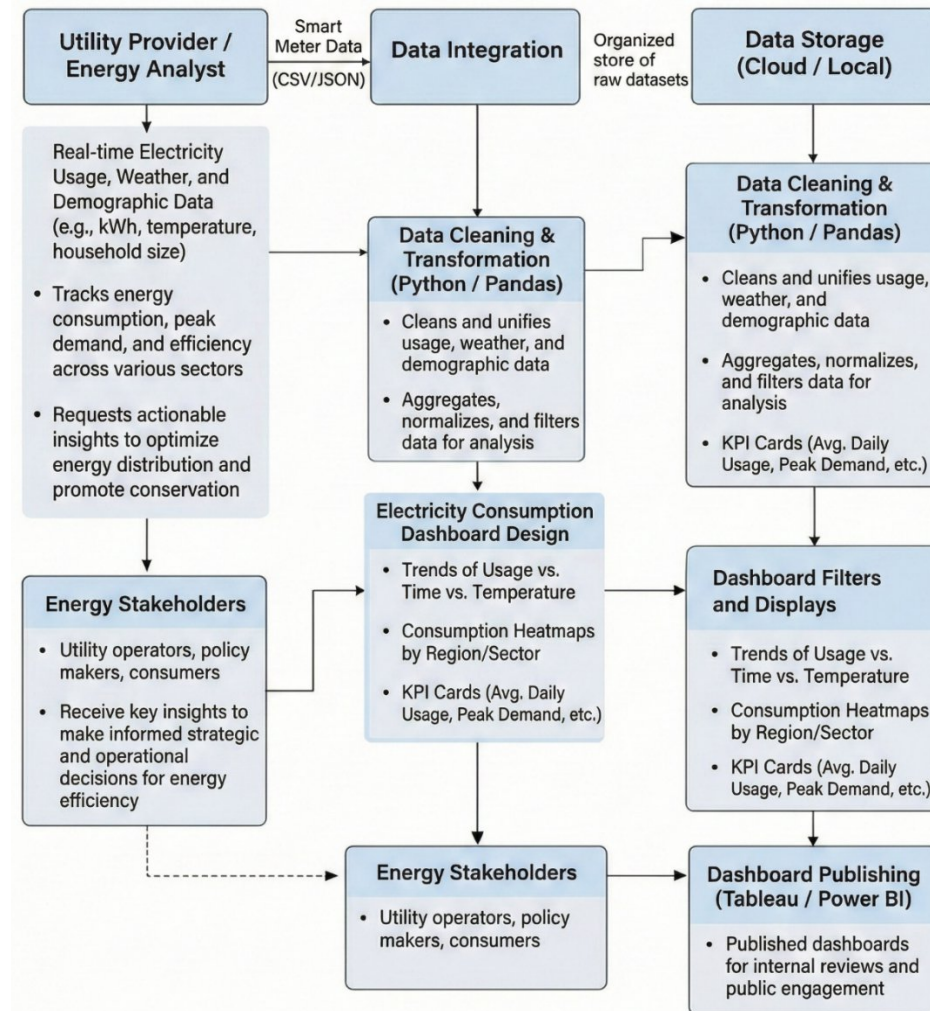


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	16 February 2026
Team ID	LTVIP2026TMIDS55781
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	4 Marks

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



### User Stories:

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Energy Planner	Data Access & Integration	USN-1	As a user, I can import electricity consumption data from CSV/Excel files	Data loads successfully and is available for analysis	High	Sprint-1
Energy Planner	Data Cleaning	USN-2	As a user, I clean and standardize regional and time data	Clean dataset is structured and free of inconsistencies	High	Sprint-1
Utility Manager	Dashboard Overview	USN-3	As a user, I can view total electricity consumption and key KPIs	KPI cards display totals, growth %, and peak demand	High	Sprint-1
Utility Manager	Regional Analysis	USN-4	As a user, I can compare electricity consumption by state and region	Region-wise visualizations update accurately	High	Sprint-1
Policy Maker	Time-Based Trends	USN-5	As a user, I can view yearly, quarterly, and monthly consumption trends	Trend charts reflect correct time-based changes	High	Sprint-1
Market Analyst	Filters & Interaction	USN-6	As a user, I can filter data by state, region, and year	Dashboard updates dynamically based on filters	High	Sprint-1
Grid Operator	Peak Demand Analysis	USN-7	As a user, I can identify peak consumption periods	Peak demand periods are clearly highlighted	Medium	Sprint-2
Sustainability Planner	Insight Generation	USN-8	As a user, I can identify high-consumption zones for efficiency planning	High-usage areas are visually distinguishable	Medium	Sprint-2

Senior Executive	Story & Reporting	USN-9	As a user, I can view story-driven insights for presentations	Tableau Story displays insights with caption	Medium	Sprint-2
Administrator	Dashboard Publishing	USN-10	As an admin, I can publish dashboards to Tableau Public/Server	Dashboard is accessible to stakeholders	Medium	Sprint-2