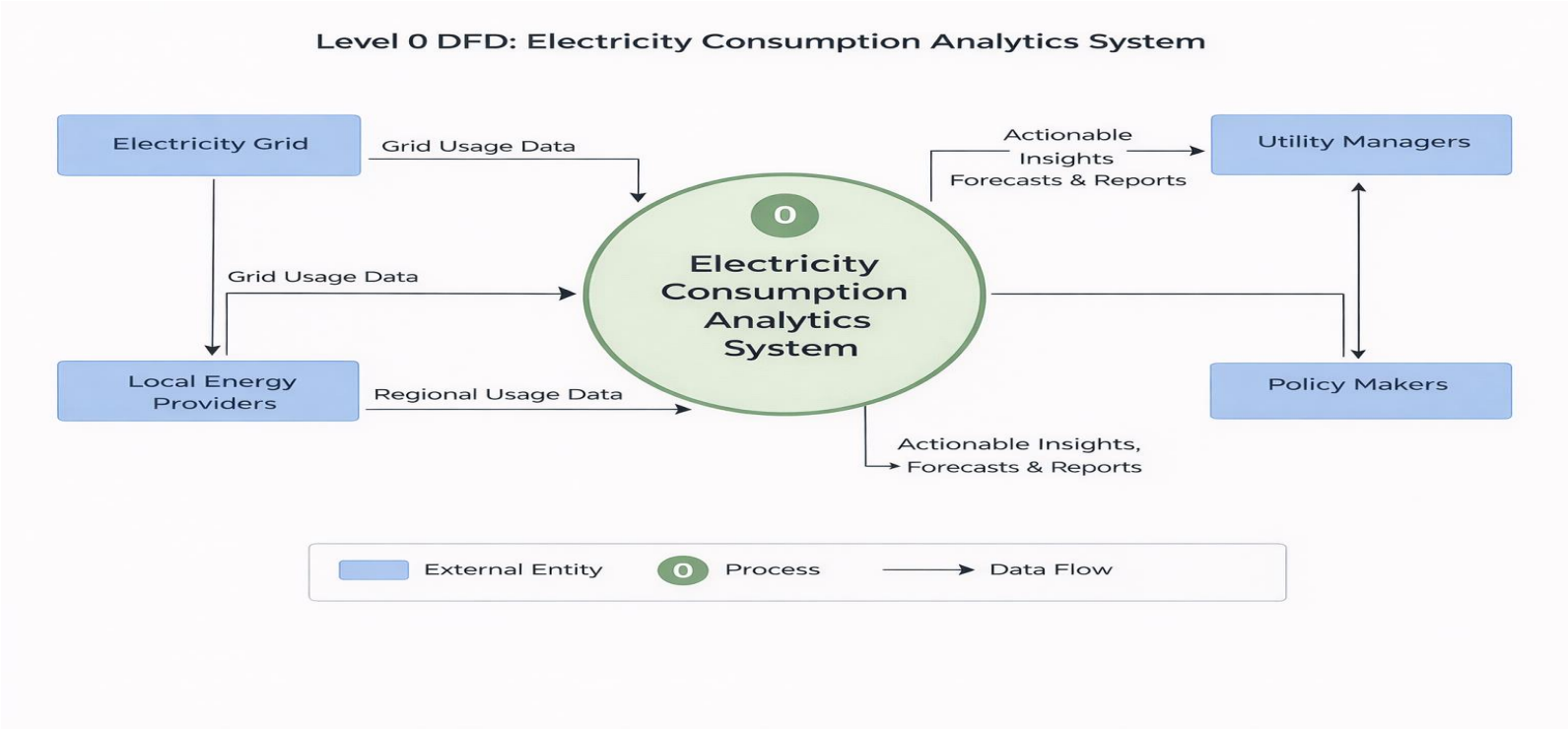
Project Design Phase-II
Data Flow Diagram & User Stories

Date	19 February 2026
Team ID	LTVIP2026TMIDS80013
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.



The Level 0 Data Flow Diagram represents the overall Electricity Consumption Analytics System as a single main process. The system collects electricity usage data from external entities such as the Electricity Grid and Local Energy Providers. The collected data is processed and analysed to generate insights, reports, and forecasts. These outputs are then provided to Utility Managers and Policy Makers to support decision-making, energy planning, and efficient power distribution.

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 Analyst	Data Collection	USN-1	As an analyst, I can collect electricity consumption data from public datasets	I am able to downloadand view raw data	High	Sprint-1
Data Preprocessor	Cleaning & Formatting	USN-2	As a team member, I can clean	Cleaned data is structured with no missing values	High	Sprint-1

			and organize data for dashboard use			
Designer	Dashboard Design	USN-3	As a designer, I can layout the dashboard structure in Tableau	Wireframe/mock- up is approved by stakeholders	Medium	Sprint-2
Planner	Visual Insights	USN-4	As a planner, I can view sector-wise electricity consumption in Tableau	Dashboard loads charts for each sector filter	High	Sprint-2
Public User	Access Dashboard	USN-5	As a public user, I can view electricity usage trends on the dashboard	Dashboard is accessible and interactivewith filters	High	Sprint-3
Admin	Deployment	USN-6	As an admin, I can publish the dashboard to Tableau Public	Published dashboard is live and sharable	Medium	Sprint-3