Project Initialization and Planning Phase

Date	1 October 2025
Team ID	SWUID20250207636
Project Name	**Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes using Power BI**
Maximum Marks	3 Marks

Customer Problem Statements for "Global Energy Trends"

This document defines the core challenges faced by key stakeholders when analyzing Global Energy Trends. By addressing these issues—which center on **data integrity** and a critical **lack of predictive foresight**—our project ensures the final Power BI solution delivers high-value, strategic insights for decision-making.

PS-1: Challenge: Unreliable Data & Inefficient Renewable Energy Tracking

- **I am:** A Data Analyst.
- **I'm trying to:** Accurately measure the growth and penetration of renewable energy capacity.
- **But:** The source data is fragmented, messy, and uses inconsistent unit measurements.
- **Because:** Manual data cleaning and modeling take excessive time, delaying actionable reports.
- **Which makes me feel:** Inefficient and doubtful about the accuracy of my final analysis.

PS-2: Lack of Strategic Predictive Foresight

- **I am:** An Energy Policy Stakeholder.
- **I'm trying to:** Forecast future energy demand and supply risk to inform strategic investment decisions.
- **But:** The current report focuses only on historical data and lacks predictive modeling capabilities.
- **Because:** I cannot dynamically test "what-if" scenarios based on external factors (price, policy).
- **Which makes me feel:** Risk-averse, unprepared for market shifts, and lacking critical strategic foresight.