MEASURE ENERGY CONSUMPTION

Phase 2

Methodology:

1. Identify the Device or Area: Determine whether you want to measure the energy consumption of a specific device (e.g., refrigerator) or an entire area (e.g., your home or office).

2. Choose a Measurement Tool: You can use an energy meter or a smart energy monitoring system. Energy meters are simple devices that you plug into an electrical outlet, and they display real-time energy usage. Smart energy monitoring systems may offer more features and connect to your smartphone or computer for remote monitoring.

3. Install the Device: If you're measuring a single device, plug it into the energy meter. If you're monitoring an entire area, you may need to install a smart energy monitoring system, which usually involves connecting it to your electrical panel.

4. Monitor and Record Data: Start monitoring the energy consumption over a period of time.Note the energy usage in kilowatt-hours (kWh). You can typically view this data on the device's display or through a mobile app or web portal if you're using a smart system.

5. Analyze the Data: Review the data to identify trends, peak usage times, and areas where you can reduce energy consumption.

6. Take Action: Based on your analysis, implement energy-saving measures, such as using energy-

efficient appliances, sealing drafts, or adjusting thermostat settings.

7. Monitor Continuously: Regularly check and record energy consumption to track your progress and make further adjustments as needed.