School Energy Management Plan

1. Introduction: Why Energy Management Matters in Schools

Purpose of the Plan

- The role of schools in sustainability and climate action
- Benefits of energy management
    - Reduced energy consumption
    - Lower operational costs
    - Environmental protection
    - Increased awareness among students and staff

Who Can Use This Plan?

- Vocational schools
- General education schools
- School leaders
- Teachers
- Technical staff
- Local authorities

How to Use This Guide

- Adaptation to local contexts
- Flexible implementation according to school size and resources

2. Energy Efficiency and Renewable Energy Solutions

Energy-Efficient School Buildings

- Insulation
- Efficient windows and doors
- Heating and cooling systems
- LED lighting

Renewable Energy Technologies

- Solar photovoltaic systems
- Solar thermal systems
- Heat pumps
- Other locally appropriate solutions

Smart Energy Management

- Energy monitoring systems
- Smart thermostats
- Digital tools and applications

Low-Cost Measures

Quick wins that every school can implement regardless of budget

3. Building an Energy-Conscious School Culture

Creating an Energy Management Team

Suggested members:

- School leadership

- Teachers
- Students
- Maintenance staff
- Community representatives

Roles and Responsibilities

Promoting Sustainable Behaviours

Examples:

- Turning off lights and equipment
- Responsible heating and cooling practices
- Reducing unnecessary energy consumption

Student Participation

- Energy ambassadors
- Student projects
- School energy committees

4. Educational Resources and Practical Activities

Training Materials

- Presentations
- Technical guides
- Instructional videos

Practical Exercises

Examples:

- Classroom energy audits
- Measuring electricity consumption
- Monitoring heating and cooling efficiency

Sample Lesson Plans

- STEM activities
- Sustainability projects
- Renewable energy topics

Project-Based Learning Activities

Case Examples from Partner Schools (optional)

5. Ensuring sustainability

Awareness Campaigns, Action Planning and Monitoring

- Designing an Energy Awareness Campaign (e.g. Energy-saving stickers, posters, classroom reminders, student-led campaigns)
- Developing a School Action Plan (e.g.

Objective	Action	Responsible Persons	Timeline	Indicator

- Monitoring Progress: Suggested indicators: Energy consumption, participation rates, behavioural changes, cost savings
- Recommendations for Schools
  Starting small
  Engaging the whole school community
  Integrating energy management into school policies

Collaborating with local/national organisations and authorities

6. Conclusion-Recommendations

- School leaders: policy integration, investment priorities
- Teachers: curriculum integration strategies
- Practitioners/technical staff: maintenance and optimization
- Policy level: energy management plans

Annexes

A. Technical Instructions

B. Sample Monitoring Templates

C. Campaign Materials (stickers, posters, signs)

D. Lesson Plans

E. Training Presentations

F. Video Resources

G. Photo Examples from Partner Schools