

Energy Monitoring/Carbon Reduction Plan

In preparation for

Kitchen Prep Ltd Unit 1b Smiths Yard, New Tythe Street, Long Eaton, Nottingham
NG10 2GD

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Emily Willis – Company Director - 1/11/23

Introduction

- Purpose of the document
- Importance of energy monitoring for the business

Energy Consumption Profile

- Overview of the energy consumption patterns in the business
- Types of energy sources used (e.g., electricity, natural gas)
- Monthly or quarterly energy consumption data (kWh or other relevant units)
- Historical energy consumption trends

Energy Monitoring System

- Description of the energy monitoring system used
- Details of energy meters, sensors, or monitoring devices installed
- Software or tools utilised for data collection and analysis

Key Energy Performance Indicators (KPIs)

- Identification of relevant KPIs to monitor energy consumption
- Examples of KPIs:
 - Total energy consumption (kWh) per month or quarter
 - Energy consumption per unit of production (e.g., kWh/kg)
 - Energy cost as a percentage of total expenses

Data Collection and Analysis

- Procedures for collecting energy consumption data
- Frequency of data collection (daily, weekly, monthly)
- Methods for analysing energy data and identifying trends
- Responsibility for data collection and analysis

Energy Efficiency Initiatives

- Description of current energy efficiency initiatives or projects
- Results or outcomes achieved through these initiatives
- Planned or potential energy-saving measures

Energy Conservation Tips

- Recommendations for employees to conserve energy in their daily activities
- Tips for optimising equipment usage, lighting, and HVAC systems
- Promoting a culture of energy awareness and sustainability

Reporting and Communication

- Frequency and format of energy consumption reports
- Target audience for energy reports (e.g., management, employees)
- Communication channels for sharing energy-related information

Targets and Goals

- Setting energy reduction targets and goals
- Specific actions or measures to achieve the targets
- Timeline for implementing energy-saving initiatives

Training and Education

- Training programs or resources to educate employees on energy conservation
- Awareness campaigns or workshops to promote energy-saving practices
- Involvement of employees in energy monitoring and improvement efforts
- Appointment of Energy Champion within organisation

Budget and Resources

- Allocation of resources for energy monitoring and efficiency projects
- Consideration of energy-saving investments and payback periods
- Collaboration with external partners or energy efficiency programs

Challenges and Opportunities

- Identification of barriers or challenges to energy conservation
- Potential opportunities for renewable energy sources or technologies
- Strategies for overcoming obstacles and leveraging opportunities

Continuous Improvement

- Commitment to continuous monitoring, evaluation, and improvement
- Regular review of energy monitoring processes and results
- Periodic reassessment of energy goals and targets

Conclusion

- Recap of the importance of energy monitoring for the small food business
- Encouragement for employees to actively participate in energy conservation efforts