

## Carbon Reduction Plan to Achieve Net Zero by 2040

### 1. Introduction

Elevated Knowledge is committed to achieving net zero carbon emissions by 2040. This plan outlines the strategies and actions required to reduce our carbon footprint across scope 1, 2, and 3 emissions. The plan focuses on improving energy efficiency, reducing material usage, promoting sustainable practices, and engaging stakeholders in our carbon reduction efforts.

### 2. Current Carbon Footprint

Total Carbon Footprint:

- Scope 1 Emissions: 58,239.45 kg CO<sub>2</sub>e (58.24 tonnes CO<sub>2</sub>e)
- Scope 2 Emissions: 10,277.55 kg CO<sub>2</sub>e (10.28 tonnes CO<sub>2</sub>e)
- Scope 3 Emissions: 55,513.48 kg CO<sub>2</sub>e (55.51 tonnes CO<sub>2</sub>e)

### 3. Carbon Reduction Targets

To achieve net zero by 2040, we will aim to reduce our carbon emissions by approximately 10% per year. This target will guide our annual reduction strategies and actions.

### 4. Strategies and Actions

#### A. Reduce Emissions from Material Usage

##### 1. Sustainable Procurement:

- Source recycled or sustainably produced steel and paper.
- Establish procurement policies that prioritize suppliers with strong environmental credentials.

##### 2. Reduce Material Usage:

- Implement digital solutions to reduce paper usage.
- Optimize material usage through improved lesson planning and resource management.

#### B. Improve Energy Efficiency

##### 1. Energy Audits and Upgrades:

- Conduct energy audits to identify areas for improvement.
- Upgrade to energy-efficient equipment and lighting.

##### 2. Renewable Energy:

- Transition to renewable energy sources such as solar or wind power.
- Purchase renewable energy certificates (RECs) to offset non-renewable energy use.

### 3. Energy Management Systems:

- Implement energy management systems to monitor and reduce energy consumption.

## **C. Reduce Employee Commuting Emissions**

### 1. Promote Remote Work and Virtual Learning:

- Encourage remote work for administrative tasks.
- Expand virtual learning options to reduce the need for physical commuting.

### 2. Flexible Working Hours:

- Introduce flexible working hours to reduce peak-time commuting.

## **D. Enhance Waste Management**

### 1. Waste Reduction:

- Implement waste reduction programs to minimize material waste.
- Encourage recycling and reusing materials wherever possible.

### 2. Sustainable Disposal:

- Partner with waste management companies that prioritize recycling and energy recovery.

## **E. Supplier and Stakeholder Engagement**

### 1. Supplier Collaboration:

- Work closely with suppliers to reduce their emissions, which impact our scope 3 footprint.
- Include environmental performance in supplier evaluations.

### 2. Stakeholder Education:

- Educate stakeholders on sustainability practices and encourage their participation in carbon reduction efforts.

## **F. Carbon Offsetting and Sequestration**

### 1. Carbon Offsetting:

- Invest in verified carbon offset projects to compensate for unavoidable emissions.
- Prioritize offsets that provide social and environmental co-benefits.

### 2. Carbon Sequestration:

- Explore opportunities for carbon sequestration through afforestation and reforestation projects.

## 5. Monitoring and Reporting

### 1. Regular Monitoring:

- Implement a system for regular monitoring of carbon emissions.
- Track progress against reduction targets and adjust strategies as needed.

### 2. Annual Reporting:

- Publish an annual sustainability report detailing progress towards net zero.
- Transparently communicate successes and challenges.

## 6. Timeline

### 2024-2028:

- Focus on quick wins in energy efficiency, waste reduction, and employee commuting.
- Establish partnerships with suppliers and stakeholders.

### 2029-2033:

- Implement major upgrades to renewable energy sources.
- Scale up sustainable procurement practices.

### 2034-2038:

- Achieve significant reductions in scope 3 emissions through supplier engagement and material optimization.
- Increase investment in carbon offsetting and sequestration projects.

### 2039-2040:

- Finalize the transition to net zero.
- Ensure all remaining emissions are offset or sequestered.

## 7. Conclusion

Achieving net zero by 2040 is an ambitious but achievable goal for Elevated Knowledge. By implementing the strategies outlined in this plan, we can significantly reduce our carbon footprint and contribute to a more sustainable future.