

Carbon Reduction Plan

Company Name: ...mElimu LLC dba MapleLMS.....

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Our Commitment:

MapleLMS is committed to reducing its carbon footprint and contributing to global efforts to combat climate change. As a company that operates predominantly in the digital space, we recognize our responsibility to minimize the environmental impact of our operations. This Carbon Reduction Plan outlines our strategy for reducing greenhouse gas (GHG) emissions, with a goal of achieving **net-zero emissions by 2050**. This plan will guide our actions as we strive to become a more sustainable organization.

Current Emissions Baseline:

We have established our emissions baseline for the year 2022, which serves as the reference point for measuring our progress. The baseline and the reporting year emissions are as follows:

2022 (Baseline Year) -

Total Emissions: 277 metric tons CO₂e

2023 (Reporting Year) -

Total Emissions: 232 metric tons CO₂e

This represents a reduction of 16.24% from 2022 to 2023, reflecting our early efforts to implement more sustainable practices.

Emissions Breakdown:

Scope 1 Emissions (Direct Emissions):

2022: 32 metric tons CO₂e

2023: 26 metric tons CO₂e

Scope 2 Emissions (Indirect Emissions from Purchased Energy):

2022: 85 metric tons CO₂e

2023: 70 metric tons CO₂e

Scope 3 Emissions (Other Indirect Emissions):

2022: 160 metric tons CO₂e

2023: 136 metric tons CO₂e

Carbon Reduction Targets:

Our long-term objective is to reach net-zero carbon emissions by 2050. To achieve this, we have set the following interim targets:

2025: 25% reduction in total emissions from 2022 levels

2030: 50% reduction in total emissions from 2022 levels

2040: 75% reduction in total emissions from 2022 levels

2050: Net-zero carbon emissions

Strategies for Carbon Reduction:

To meet our carbon reduction targets, MapleLMS will implement the following strategies:

1. Energy Efficiency Improvements:

- a) Optimize energy use in our offices and data centers, including better insulation, energy-efficient lighting, and HVAC systems.
- b) Implement server optimization strategies to reduce energy consumption in our AWS-hosted services.

2. Transition to Renewable Energy:

- a) Gradually transition to renewable energy sources for our office locations and data centers.
- b) Purchase renewable energy credits (RECs) to offset the remaining non-renewable energy use.

3. Sustainable Transportation:

- a) Continue promoting remote work to reduce emissions from employee commuting.
- b) Encourage the use of public transport, carpooling, and electric vehicles for employees who need to commute.
- c) Reduce business travel by increasing the use of virtual meetings.

4. Sustainable Procurement:

- a) Work closely with suppliers to ensure they are committed to reducing their own carbon footprints.

- b) Prioritize suppliers who have strong environmental credentials and reduce Scope 3 emissions.

5. Waste Reduction and Recycling:

- a) Maintain our paper-free environment and continue to digitize all processes.
- b) Implement comprehensive recycling programs in our offices.

6. Carbon Offsetting:

- a) Invest in carbon offset projects, such as reforestation, renewable energy projects, and other environmental initiatives to compensate for unavoidable emissions.

Monitoring and Reporting:

MapleLMS will regularly monitor and report on our carbon reduction progress. We will review our emissions annually and adjust our strategies as necessary to ensure we remain on track to achieve our targets.

- **Annual Emissions Audit:** Conduct an annual audit of our GHG emissions, comparing them against our baseline and previous years.
- **Progress Reports:** Provide an annual report on our carbon reduction progress, including detailed analysis and updates on the implementation of our strategies.
- **Stakeholder Engagement:** Engage with employees, clients, and other stakeholders to communicate our progress and encourage collaboration in our carbon reduction efforts.

Governance and Responsibility:

The implementation of this Carbon Reduction Plan is overseen by the Environmental Sustainability Committee at MapleLMS, which includes senior leadership and key department heads. This committee is responsible for:

- Setting and reviewing carbon reduction targets.
- Overseeing the implementation of carbon reduction strategies.
- Ensuring compliance with relevant environmental regulations.
- Engaging with external stakeholders to align our carbon reduction efforts with broader industry standards.