

Carbon Reduction Plan for Piedro Ltd

Executive Summary

This Carbon Reduction Plan outlines the strategies and actions that Piedro Ltd, will implement to reduce its carbon footprint and contribute to national and global efforts to combat climate change. Our goal is to achieve netzero carbon emissions by 2050, with interim targets to ensure steady progress.

1. Introduction

Piedro Ltd recognizes the importance of reducing greenhouse gas emissions to mitigate climate change. This plan details our commitment to sustainability, the measures we will take to reduce our carbon emissions, and the timeline for achieving our goals.

2. Baseline Emissions Assessment

Our baseline emissions have been calculated based on data from the fiscal year 2023. This assessment includes:

- Scope 1: Direct emissions from owned or controlled sources (e.g., fuel combustion).
- Scope 2: Indirect emissions from the generation of purchased electricity, steam, heating, and cooling consumed by the company.
- Scope 3: All other indirect emissions that occur in the value chain (e.g., logistics, employee commuting).

3. Emissions Reduction Targets

To achieve net-zero emissions by 2050, we have set the following interim targets:

- 2025: Reduce total emissions by 25% from the baseline year.
- 2030: Reduce total emissions by 50% from the baseline year.
- 2040: Reduce total emissions by 75% from the baseline year.
- 2050: Achieve net-zero emissions.

4. Reduction Strategies and Initiatives

4.1. Energy Efficiency

- **Lighting:** Upgrade to LED lighting in all facilities.
- **HVAC Systems:** Optimize heating, ventilation, and air conditioning systems to improve energy efficiency.
- **Building Insulation:** Improve insulation in warehouses and offices to reduce heating and cooling demands.
- **Energy Management Systems:** Implement smart energy management systems to monitor and optimize energy usage.

4.2. Renewable Energy

- **On-site Renewable Energy:** Install solar panels where possible.
- **Green Energy Procurement:** Purchase electricity from renewable sources.

4.3. Transportation and Logistics

- **Fleet Management:** Transition to electric or hybrid vehicles for our workforce.
- **Route Optimization:** Use advanced route planning software to reduce fuel consumption and emissions.
- **Supplier Engagement:** Collaborate with suppliers to encourage the use of low-emission transportation options.

4.4. Waste Management

- **Recycling Programs:** Enhance recycling programs for packaging materials and office waste.
- **Waste Reduction:** Implement strategies to minimize waste generation through better inventory management and packaging redesign.

4.5. Employee Engagement and Training

- **Sustainability Training:** Provide training for employees on sustainability practices and carbon reduction.
- **Incentive Programs:** Create incentives for employees to participate in carbon reduction initiatives, such as carpooling or using public transport.

5. Monitoring and Reporting

- **Annual Reporting:** Publish an annual sustainability report detailing progress towards carbon reduction targets.

6. Collaboration and Partnerships

- **Government Programs:** Participate in government programs and initiatives aimed at reducing carbon emissions and promoting sustainability.

7. Investment in Carbon Offsets

- **Offset Projects:** Invest in verified carbon offset projects, such as reforestation and renewable energy projects, to compensate for unavoidable emissions.

8. Review and Improvement

- **Regular Reviews:** Conduct annual reviews of our carbon reduction plan to assess progress and make necessary adjustments.
- **Continuous Improvement:** Stay informed about new technologies and methods for carbon reduction and incorporate them into our plan as appropriate.

Conclusion

Piedro Ltd is committed to taking bold and effective actions to reduce its carbon footprint. Through the implementation of this Carbon Reduction Plan, we aim to contribute significantly to the global effort to combat climate change and ensure a sustainable future for generations to come.

SIGNED:



NAME: GEMMA WALTON, Managing Director

DATE: 15th July 2024