Carbon Reduction Plan

Objective:

This carbon reduction plan aims to minimise the carbon footprint of TES 2000 Limited including scope 1,2 and 3 emissions. Regarding direct emissions focus maintains on reducing emissions from the vehicle fleet while maintaining operational efficiency. By implementing the following strategies, we aim to reduce greenhouse gas emissions and contribute to a more sustainable future. As part of the SBTi accreditation we are committed to meeting our Near-Term Targets by reducing our Scope 1 and 2 emissions by 50% from a 2018 baseline. To meet our Long Term targets, we are committed to a 90% reduction of our 2018 baseline Scope 1,2 and 3 emissions by 2050.

SCOPE 1 – Mobile Emissions 2022: 842.76 tCo2e

1. **Fleet Analysis:**
   Conduct a comprehensive analysis of the vehicle fleet to assess the current carbon emissions, fuel efficiency, and maintenance requirements. This analysis will provide valuable insights into areas for improvement and help prioritise actions.

2. **Vehicle Efficiency:**
   a. **Transition to Electric Vehicles (EVs)**: Replace a significant portion of the existing fleet with electric vehicles. Prioritise low-mileage and less frequently used vehicles for the initial transition. Consider the availability of charging infrastructure and the range requirements for each vehicle type.
   b. **Optimise Vehicle Utilisation:** Encourage carpooling and ridesharing programs among employees to reduce the number of vehicles on the road. Utilise fleet management software to improve route planning, reduce idle time, and maximise fuel efficiency.
   c. **Collect employee 'vehicle type' information for mileage claims**, this will allow for more accurate scope 3 emissions reporting information

3. **Alternative Fuels:**
   Biofuels: Evaluate the feasibility of incorporating biofuels into the fleet. Explore options such as biodiesel or renewable natural gas (RNG) as substitutes for traditional fossil fuels. Collaborate with local suppliers to ensure a reliable and sustainable source.

4. **Driver Training and Incentives:**
   Eco-Driving Training: Provide comprehensive eco-driving training to all drivers to promote fuel-efficient driving techniques, such as smooth acceleration and deceleration, maintaining optimal tire pressure, and reducing unnecessary idling.

   a. **Incentivise Low Carbon Behaviour:** Establish an incentive program that rewards drivers for achieving fuel efficiency targets and reducing carbon emissions. Recognise and celebrate environmentally conscious driving practices.

5. **Infrastructure and Charging:**
   Charging Stations: Install charging infrastructure at company facilities to support the transition to electric vehicles. Analyse the optimal number and locations of charging stations based on the fleet's requirements and employee commuting patterns.

   a. **Workplace Charging Policies:** Implement policies that encourage employees to charge their electric vehicles at the workplace during working hours, reducing the strain on the public charging network, and promoting efficient use of electricity. A 'Charge to Charge at work' scheme could be implemented to allocate costs to individuals.

6. **Monitoring and Reporting:**
Fleet Management Software: Utilise advanced fleet management software to monitor vehicle performance, track fuel consumption, and identify areas for improvement. The software should provide real-time data on vehicle efficiency and carbon emissions.

   a. **Regular Reporting:** Establish a reporting mechanism to monitor progress towards carbon reduction goals. Regularly communicate updates to stakeholders, employees, and customers to foster transparency and accountability.

Scope 2 – Electricity Purchased 2022: 22.43 tCo2e.

Purchasing and Tariffs.
TES 2000 should aim to purchase renewable energy to significantly reduce the carbon factor of electrical energy consumption across the organisation. During 2022 as purchased electricity was not from 100% renewable energy the applied carbon factor is 193.38g co2e per kWh whereas EDF's renewable tariff for example has a factor of 17.96g co2e per kWh a reduction of 90.71%. This means that tCo2e output for 2022 could have been 2.08 tCo2e.

Energy Management Policy
Introduce an energy management policy to all sites to reduce excess consumption of electricity from HVAC, lighting, and electrical appliances. It is believed that energy management policies can reduce consumption by around 10% according to the carbon trust.

Scope 3 – Indirect Emissions 2022: 8,700.20 tCo2e.

Value Chain Emissions Reporting

a. Ongoing monitoring of Scope 3 emissions will allow TES 2000 to maintain a full view of their total emissions profile. Maintaining the SBTi accreditation that is currently being pursued requires annual monitoring and improvement of Scope 3 emissions in line with Net Zero commitments.

b. Aim to increase the accuracy of Scope 3 emissions reporting over time to create a more exact Scope 3 profile.

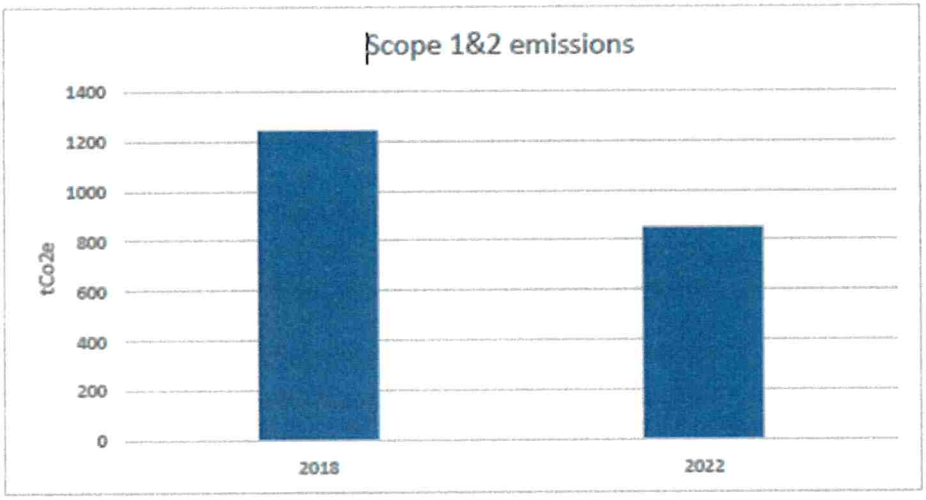
Engage with key value chain partners

a. By engaging with key value chain partners and emissions liabilities TES 2000 will be able to update their Scope 3 profile more accurately. It is most likely that this will include requesting product specific carbon factors from suppliers.

b. Identify emissions from 'Required Sources' i.e. suppliers that are dictated by the customer for reasons such as speciality or quality assurance

Continuous Improvement:

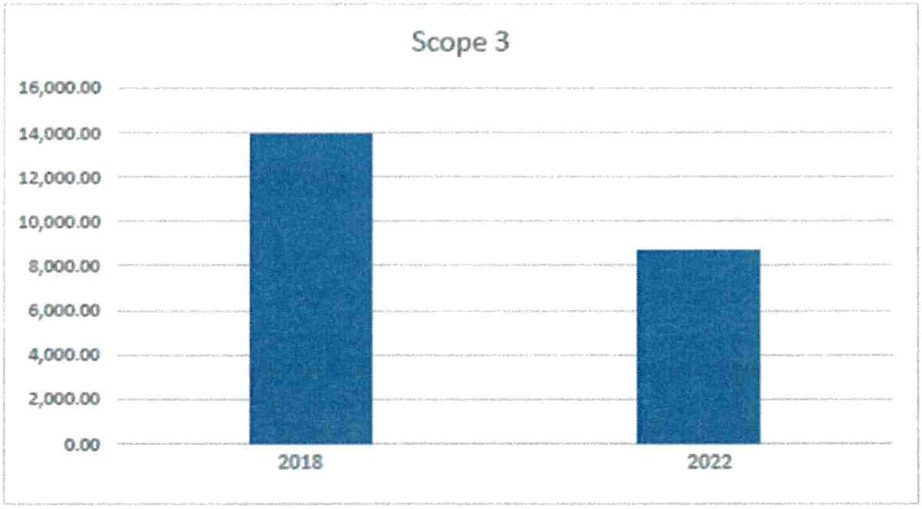
Regularly review and update the carbon reduction plan to incorporate new technologies, best practices, and regulatory changes. Stay informed about emerging trends in sustainable transportation and implement relevant strategies to further reduce carbon emissions. By implementing these measures, TES 2000 can significantly reduce the carbon footprint of its vehicle fleet and contribute to a greener and more sustainable future.



The graph above shows the current scope 1 and 2 emissions reduction from the 2018 baseline highlighting a **31.54% reduction in tCo2e.**

Scope 3:

The scope 3 emissions that were able to be assigned and calculated for the 2018 baseline totalled13,933.7 tCo2e, during 2022 the same Trial Balance Codes and categories were evaluated and Scope 3 emissions dropped to 8,700.20 tCo2e. This is a reduction of 60.15%. It is likely that Scope 3 emissions will fluctuate in line with turnover and therefore for 2023 we will aim to create a relevant metric to measure Scope 3 emissions against.



Summary:

This document outlines steps that TES 2000 should address in order to meet Near Term and Net Zero emissions commitments, the implementation of these steps will require strategic planning and, in some cases, considerable financial investment therefore the commercial viability of these steps can only be understood fully by the directors of the organisation. It should be noted that this document does not provide a complete list of suggestions however, it does provide thought leadership and actionable recommendations that will have both direct and indirect effects on TES 2000's overall emissions profile.

Signed on behalf of TES 2000 Limited:

Tony Evans
Managing Director

Date: 25th October 2024