

Sustainability Ambitions

Decarbonisation Initiatives

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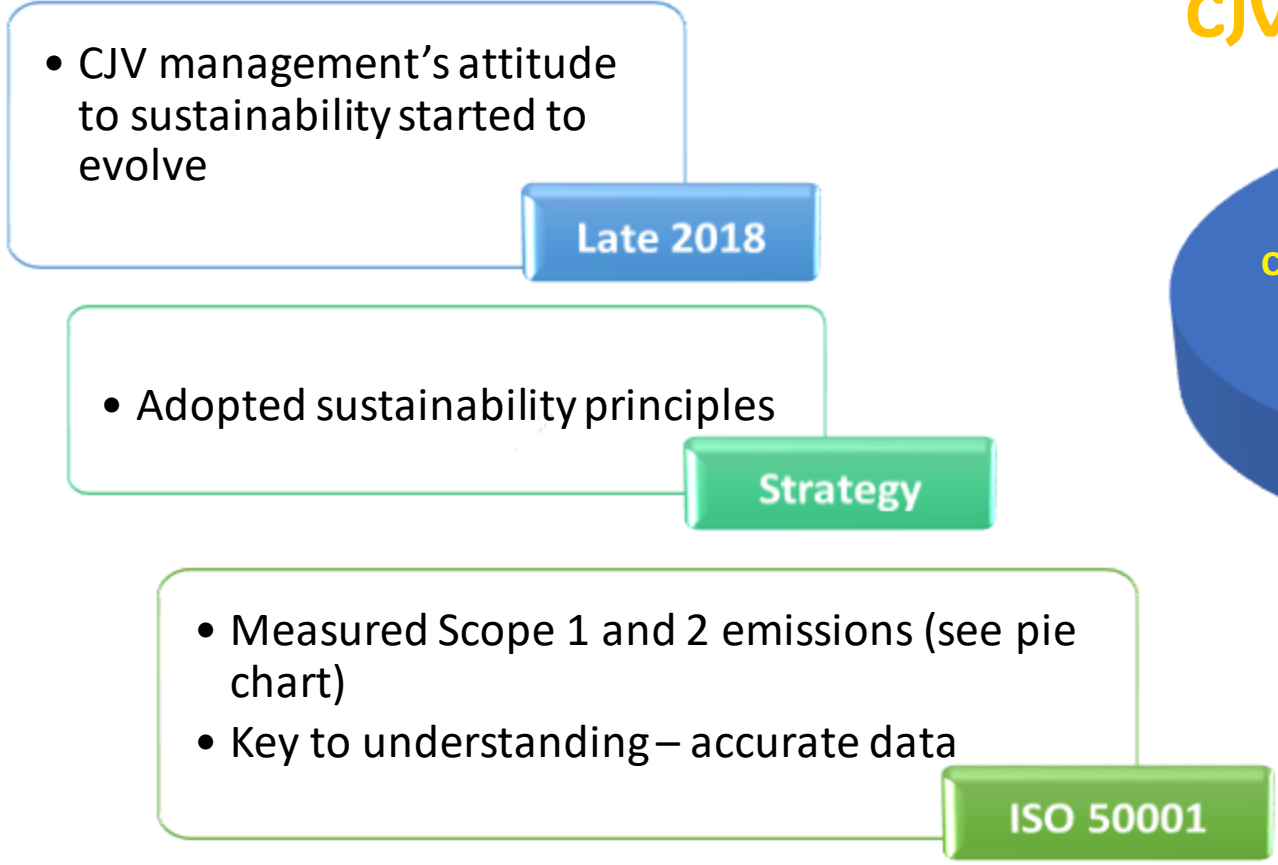


04 Innovation and Collaboration

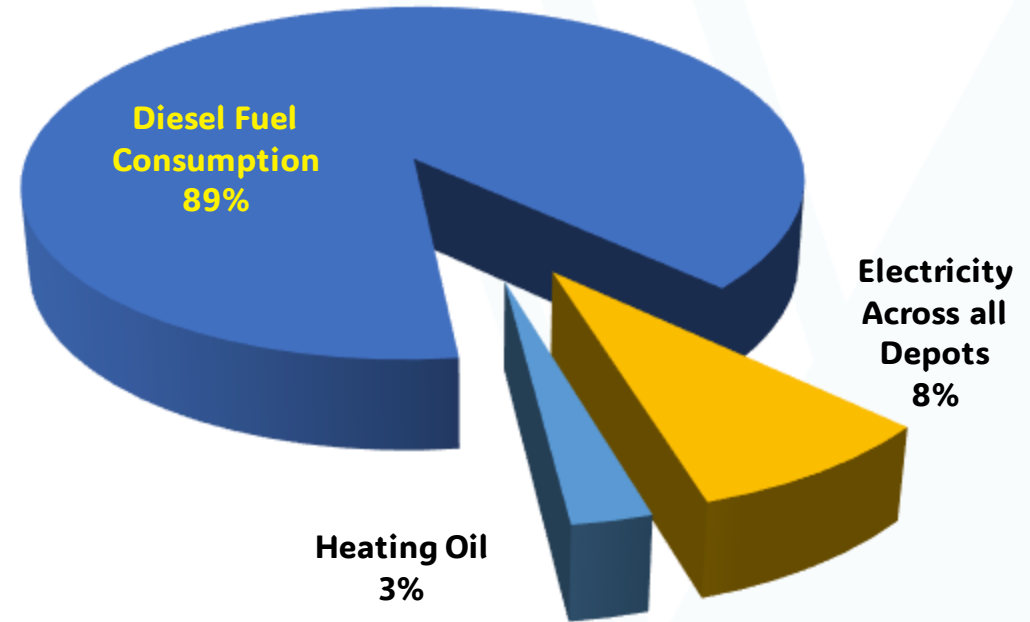


Introduction

Background to CJV's Sustainability Ambitions



CJV Scope 1 & 2 Carbon 2018



A successful attempt to reduce Carbon emissions in coming years ³ →



Decarbonisation

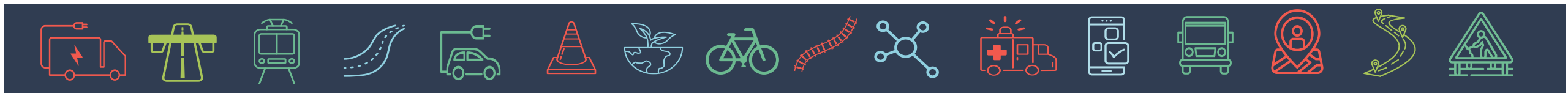
Priority areas



What we are doing now

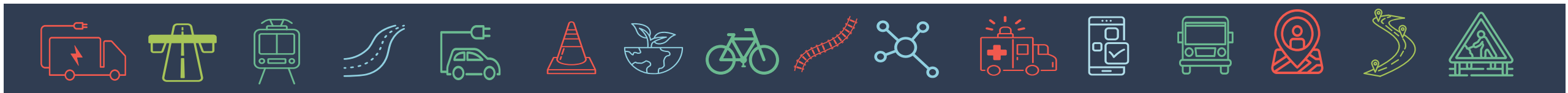
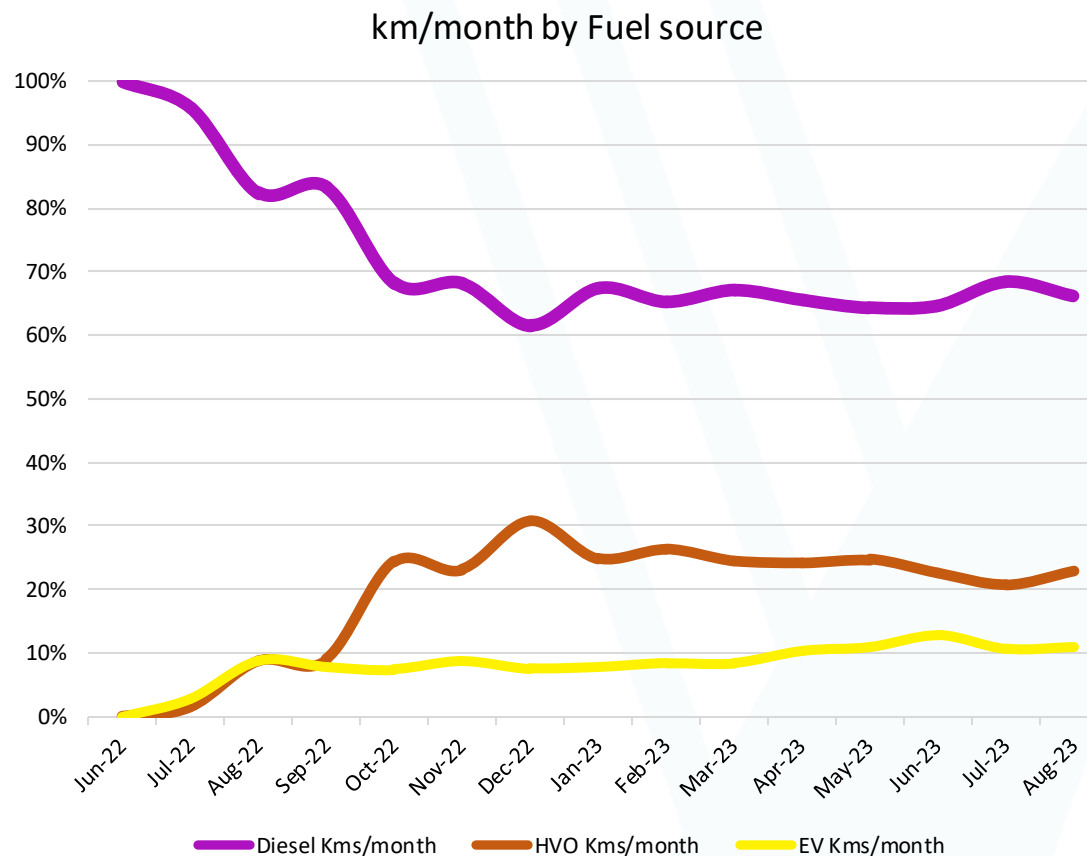


What we are doing next



1- Fleet - Hydrotreated Vegetable Oil

- 2022**
 - Commercial vehicles in Northern Network switched to HVO
- > 2023**
 - All commercial vehicles in Southern Network switch to HVO
- Challenges**
 - Mechanical issues
 - Supply
 - Cost
- Other areas**
 - Electric Vehicles



2- Buildings - Solar Power Panel Installation

Supply & Install

- 1 338no. Solar PV Panels
- 2 4no. 25kwh solar battery storage
- 3 2no. 14kW heat pumps

Switched out all luminaire fittings at Maintenance Depots (old inefficient CFL & Sons models) with LED



3- Operations

Sustainable operations

Reduced non-essential maintenance activities

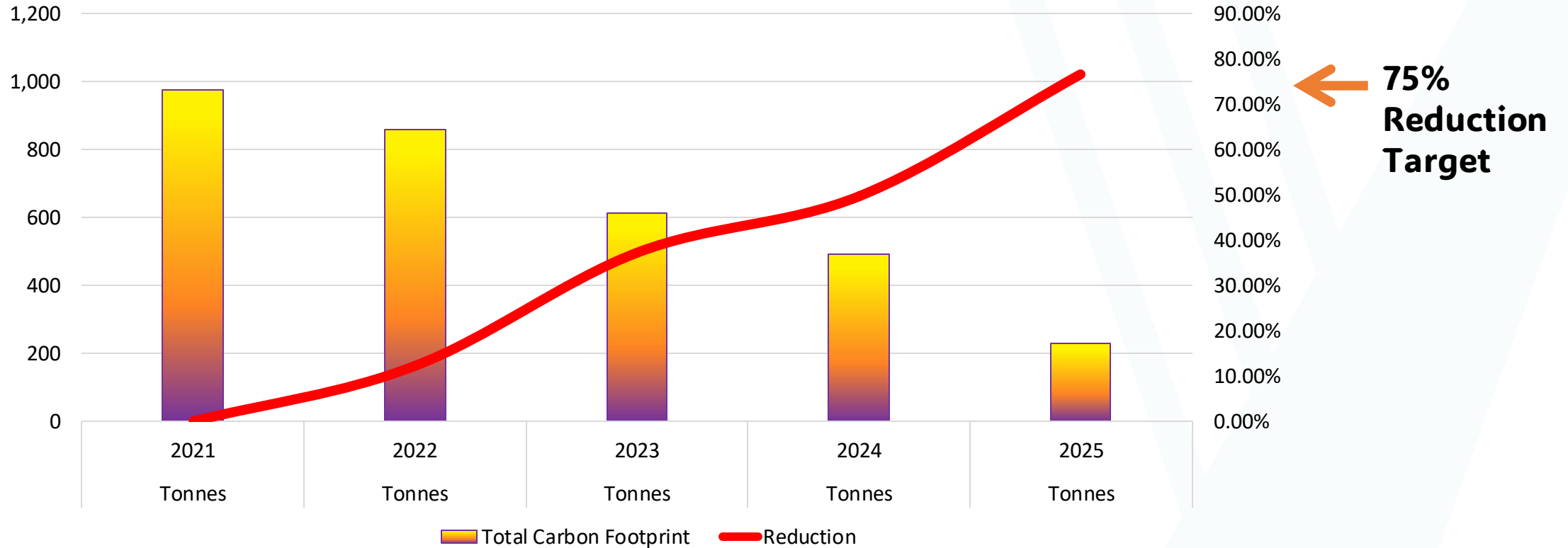
Promoting pavement preservation technologies (Colas PenTack Active Sealing™)



Future Reductions

5-year Carbon Reduction plan (2021-2025)

CJV Target Carbon Footprint



Galway Hydrogen Hub (GH2)

Effective alternative for **Heavy-Duty Vehicles (HDVs)**

- "Proof of Concept" **Pathfinder Project**
- Galway as a '**Hydrogen Valley**' that can be replicated across the country
- Colas JV will pilot the use of hydrogen in our trucks and heavy vans



Clean Hydrogen
Partnership



GH2 MEMBERS





ASSET MANAGEMENT

