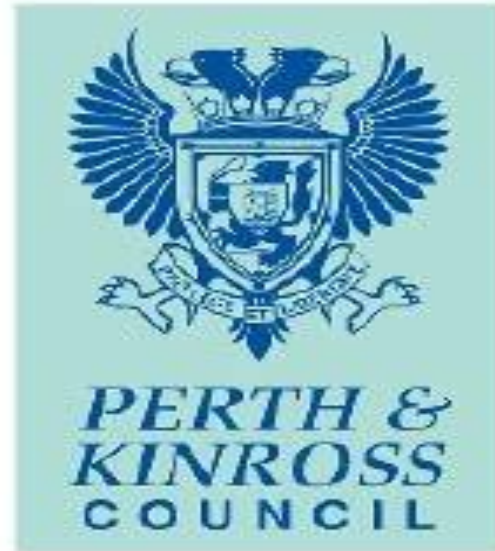


HYDROTREATED  
VEGETABLE OIL –  
PERTH &  
KINROSS  
COUNCIL UPDATE



# Getting ready to go with HVO



Perth & Kinross Council from the local authority's perspective covers an area of 5300km<sup>2</sup>.

Population = 150k.

Households = 69k.

Main depot Friarton

Other depots include:

Blairgowrie

Crieff

Kinross

Pitlochry

# Making the business case



Previous success of introducing HVO at Falkirk Council.

HVO is 100% biodegradable.

Derived from renewable and sustainable vegetable fat and oil waste.

Can be seamlessly integrated into existing vehicles.

Strong sustainability credentials.

Certification by Certas as a green fuel.

# Benefits of HVO



Reduces emissions immediately – including Nox emissions.

Can be used in vehicles without changes to the engine or infrastructure.

Tanks do not need to be drained, flushed or cleaned out.

Safer than most fuels as it is non-toxic. Low hazard Rating as all molecules are paraffinic.

Can be stored to -30 degrees.

Reduces net Co2 emissions by **up to 90%**.

# HVO trial at Friarton Depot



Three-month trial May – August 2024.

Six RCVs in trial.

Specific tank for HVO and limited access for these vehicles.

Risk assessments in place and discussed with waste teams.

Committee buy in for trial – funded from existing fuel budgets. 12-15ppl more expensive.

Filters checked prior to trial – rechecked at end, **no issues identified.**

# HVO analysis and use



Six vehicles used on multiple routes around Perth.

Analysis of fuel compared with previous years data of diesel.

Difficult to quantify as vehicles not all on the same routes.

MPG showed slight improvement – again difficult to quantify.

No issues for drivers, no adverse mechanical defects.

**Continued using HVO after trial pending update to members.**

# HVO – the next chapter



Permission given to roll out to 18 RCVs based at Friarton Depot.

Tank provision in place to support additional demand for fuel.

Outlying depots each have two RCVs based there.

All 26 RCVs will be using HVO by May / June 2025.

Operational and geographic issues around outlying depots – tank capacity etc.

Annual Co2 savings = 500 tonnes.

# Decarbonisation Strategy for PKC



DS going to committee in April 2025.

Electric fleet = pool vehicles, c70 by 2027.

CP infrastructure to be expanded. Creation of charging hubs. Publicly accessible and depots.

Hydrogen facility being built near main depot – opening summer 2027.

Likely conversions to hydrogen will be RCV, minibus and vans. No outright purchases.

Mixed model of fuels to be used – depending on Government policies.

**Subject to member approval April 2025.**



QUESTIONS?

