



Laurence Kenney
Head of Low Carbon Vehicles
Transport Scotland



24 October 2017

#### **Overview**

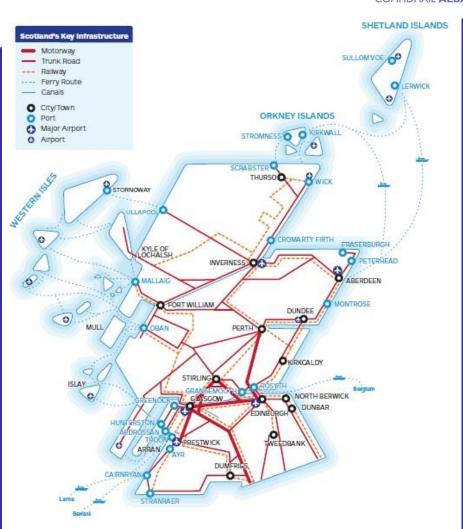


- Who we are?
- Why Electric Vehicles?
- Switched on Scotland Action Plan
- Energy Issues

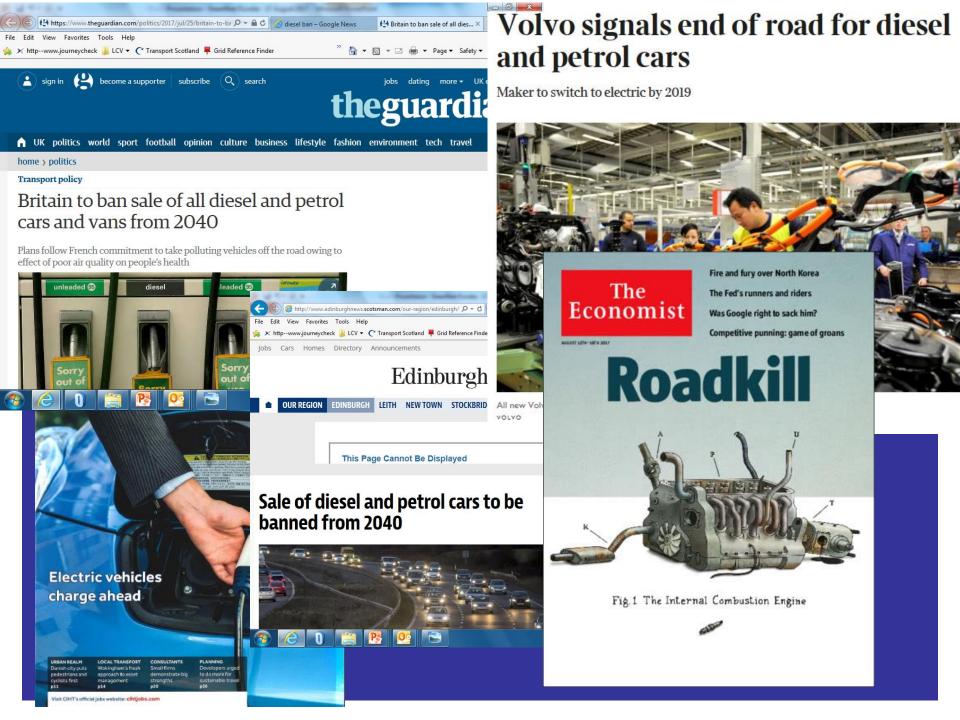




- The national transport agency for Scotland
- We deliver to the Scottish Government's purpose
- "To focus government and public services on creating a more successful country, with opportunities for all of Scotland to flourish, through increasing sustainable economic growth."







## Why electric vehicles?





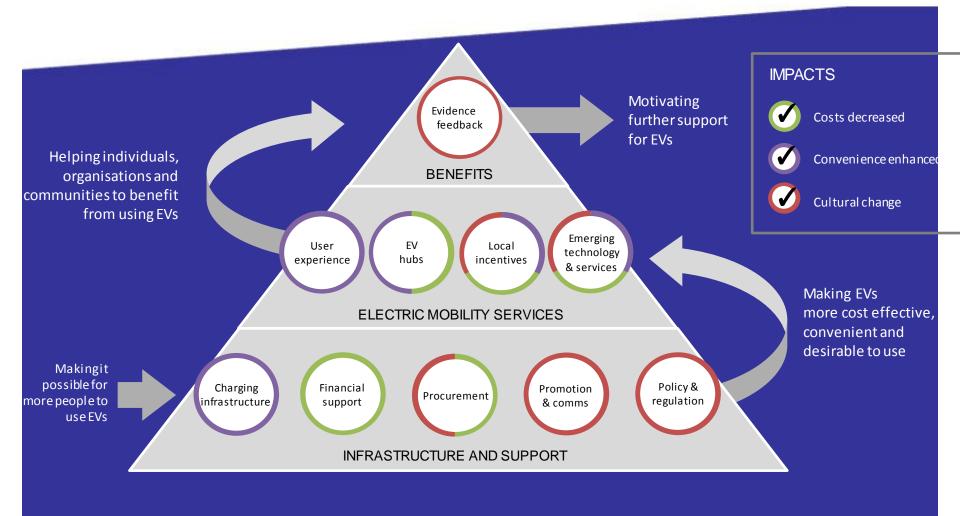
## **Switched on Scotland**















"..the public sector to lead the way"









# ChargePlace Scotland electric vehicle charging. Action 1 — Charging Infrastructure TRANSPORT SCOTLAND COMHOHAIL ALBA









#### So far:

- Over 326,000 charging sessions
- 2,534,800 kwh power drawn
- Up to 1929 tonnes of CO2 in emissions saved



## Rapid

Siemens QC45

ABB Terra 53

APT/Evolt Compact Tri Rapid



Chargemaster Ultracharger





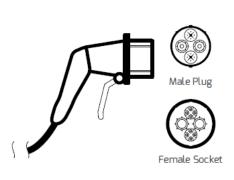


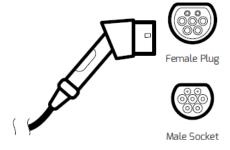


Tri Rapid Compact Charger

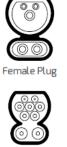












Male Socket

CHAdeMO

Type 2

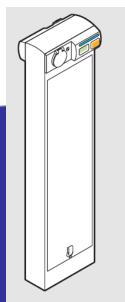
CCS

## AC





Electrobay



Chargemaster



Male Plug Pin-out

Live 2\*

**Proximity Pin** 

Earth

Live 1

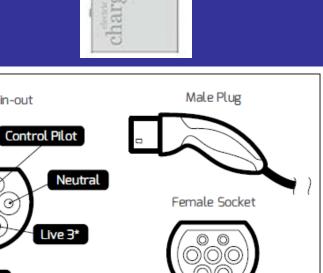
#### Siemens

**TRANSPORT** 

**SCOTLAND** 

CÒMHDHAIL ALBA







## Action 2 – Financial Support



- Switched on Fleets
- 400 vehicles so far





## Action 3 – Procurement





### Action 4 – Promotion





**6th May Royal Highland Centre, Edinburgh** 

THE MOTOR SHOW WHERE YOU GET TO DRIVE ROUTEMONKEY





#### Action 7 – EV hubs



- Public, community/third sector eligible
- Round 1 awards (May 2017) Falkirk stadium & Broxden
- Round 2 launch October 2017
- Eligible projects costs from £250k £2m
- Projects to bring match funding
- Projects to be delivered by Dec 2019







## **Action 8 – Local Incentives**





Parking



Road Access & Charging



**Planning** 



Taxis & Private Hire

## **Energy Issues**



- Locations for charge points
- DNO upgrades
- Renewables & battery storage
- Smart charging
- V2X (Vehicle to Grid etc), revenue
- Shift in energy, petrol/diesel to electricity

## **Thank You**



Laurence.Kenney@transport.gov.scot