Dundee City Council
Electrifying a City

Fraser Crichton
Corporate Fleet Operations Manager
Dundee City Council

Dundee is Europe's most visionary EV city
Population 150,000  **DUNDEE’S POLLUTED STREETS**  Area – 60 km sq.

“By 2032 all new petrol and diesel cars and vans to be phased out in Scotland - eight years ahead of targets set by the UK government”

Hope Street, in Glasgow, had the highest levels of CO2, with Nicolson Street, Edinburgh second.

This was followed by Seagate, Academy Street in Inverness, and Lochee Road.

Broughty Ferry Road saw one of the highest increases of emissions throughout Scotland.
Dundee City Council: “Electrifying a City” means change

Charging Infrastructure  Electric Taxis  Council EV Fleet
21% Dundee City Council vehicles electric

23% Dundee taxis electric

Large electric HGV

Increasing Public uptake
HGV Project

Electric RCVs

Major depot charging station

Renewable Energy
Dundee EV Charging Infrastructure

3 x Rapid Charging Hubs
Regional EV Infrastructure

Regionally supported infrastructure
Princes Street EV Hub

- 6 x 50kw chargers
- 3 x 22kw chargers
- 90kw Battery Storage
- 3 EV hubs across the city, 4th hub built in 2021

Office for Low Emission Vehicles
Multi Modal EV Hub
Dundee Taxi Liaison Group

- All new Private Hire taxis must be 100% electric - September 2017
- Hackney Company plates must be 100% electric - September 2017
  - NHS / Council procurement weighted for EVs
  - Free Parking in Dundee for all EVs
  - Reduced taxi testing fees for EVs
Multi-storey Car Park Charging Stations
Dynamic Loaded Renewable Charging
Local EV Policy Benefits/Enforcement

All Dundee residences with EV’s can apply to a tariff reduction scheme.

Multi-Storey Car Parks provide free parking to EVs.

All EV parking including EV hubs are subject to TROs.

Parking sensor and being installed at all EV parking bays.
Residential EV Charging Solution

Pop-Up EV Chargers
Local Leadership

Council leader – is leading the way in EVs

In August 2018, he and his wife traded in their two petrol cars for one electric-powered Nissan Leaf, a decision that is continuing to benefit the family. Used mainly for the nursery runs and driving to and from council meetings, Cllr Alexander claims his electric vehicle is “the best car” he has ever driven.
Integrated Mobility/Major Event

- Smart Travel App
- Electric Car Sharing
- Electric Bike Sharing Project
- Intercity Electric Coach
- Electric Taxis
- The Open St Andrews 2022
Dundee’s E-mobility Future

• Energy is the key to the deployment of EV infrastructure and importantly where that energy is sourced.

• Long-term public/private partnerships are required to achieve Scottish governments 2032 EV transition targets.

• Local authority EV infrastructure strategies require significant flexibility to accommodate continued innovation in vehicles and charging technologies.

• Electric vehicles are mobile energy sources on four wheels. Bi-directional charging, solar energy to car then car to office is coming.
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Fleet EV Infrastructure

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