

TAYSIDE AND CENTRAL SCOTLAND TRANSPORT PARTNERSHIP**16 JUNE 2020****REGIONAL ELECTRIC VEHICLE STRATEGY: DELIVERY PLAN UPDATE****REPORT BY SENIOR PARTNERSHIP MANAGER**

This report seeks the Partnership's endorsement of the Tactran Regional Electric Vehicle Delivery Plan and provides an update on progress.

1 RECOMMENDATIONS

1.1 That the Partnership:

- (i) endorses the Tactran Regional Electric Vehicle Delivery Plan; and
- (ii) notes the progress made in delivering the plan.

2 BACKGROUND

- 2.1 Following discussions with the four constituent Local Authorities during autumn of 2018 it was agreed that a Regional Electric Vehicle Strategy would be beneficial to Tactran and the 4 Local Authorities.
- 2.2 At its meeting on 18 December 2018 the Partnership delegated authority to the Director and Treasurer to procure suitably qualified and experienced consultants to develop a Regional Electric Vehicle Strategy, in partnership with our constituent Councils (Report RTP/18/45 refers). Consultants Urban Foresight was subsequently procured to undertake this work which commenced in February 2019.
- 2.3 At its meeting on 17 September 2019 the Partnership approved the Tactran Regional EV Strategy and Action Plan and agreed to develop a Delivery Plan through a Regional EV Forum (Report RTP/19/35 refers).

3 DISCUSSION**Tactran Regional EV Strategy**

- 3.1 The [Tactran Regional EV Strategy](#), approved in September 2019, outlines progress to date in EV uptake and charging infrastructure, the need for action and sets out a vision by 2032 for the Tactran Region:

'To be Scotland's exemplar region for enabling the electrification of transport in the context of a smart, integrated, sustainable mobility system.'

- 3.2 The vision is supported by thirteen objectives that set out an approach to electrification of transport in the region that supports the regional economy, shaped for the people and place and utilises a holistic and integrated approach, as follows:

Economy

1. To establish a financially sustainable public charging network, scalable to growth in demand and flexible to changes in types of demand.
2. To attract private sector investment in charging infrastructure and manage a smooth transition from public management of infrastructure, capturing revenue generating opportunities for local government.
3. To achieve notable increase in economic activity in the region directly attributable to electric mobility.
4. To be an internationally recognised e-tourism destination.

People and Place

5. To ensure that electric mobility services are equitably accessible across urban and rural geographies in the region, and those with and without access to off-street parking.
6. To ensure that electric mobility services are equitably accessible across the full range of demographic groups and income levels present in the region.
7. To ensure the citizens and businesses of the region are engaged and appropriately educated in regard to the benefits and use of electric mobility.
8. To support public health outcomes through improving air quality in the region.

Holistic and Integrated

9. To support the uptake of EV's across all vehicle types and uses – from private cars to buses.
10. To ensure EVs are supported by – and contribute to – a resilient and decarbonised energy network.
11. To normalise the provision of EV infrastructure and electric mobility services within new or developed property.
12. To support the convenient and reliable journey planning, booking, payment and access of shared and public electric mobility services as part of multimodal journeys in the region.
13. To direct the development of connectivity and automation of EVs in the region towards the aims of a smart, integrated, low carbon mobility system.

- 3.3 The Strategy and actions required to meet the objectives are set out under three strands:
- Supporting Vehicle Uptake (26 Actions)
 - Developing Infrastructure (18 Actions)
 - Promoting Electric Mobility (15 Actions)

Delivery Plan

- 3.4 A Regional EV Delivery Forum has been set up to drive forward the strategy and delivery plan and develop a more detailed delivery plan.
- 3.5 The inaugural Tactran Regional EV Delivery Forum was held on 6 February 2020 at Michelin Scotland Innovation Parc (MSIP), involving over 30 participants from a range of organisations, including Local Authorities, Transport Scotland, Infrastructure Providers, Car Club Operators, MSIP, Distribution Network Operators, Bus Operators and NHS Tayside. The Forum was focussed on developing a Delivery Plan for the Tactran EV Strategy, with the intention to have an agreed Plan by spring 2020.
- 3.6 A Delivery Plan identifying short, medium and long-term actions as well as lead and partner organisations for each action as outlined in paragraph 3.3 above is included at Appendix A and the Partnership is asked to endorse the Delivery Plan.

Progress

- 3.7 Following the development of the Delivery Plan, a steering group comprising officers from the 4 constituent Councils and Transport Scotland, supported by Urban Foresight through an extension of their commission, was formed to take forward the short-term actions and to commence some of the higher priority medium and long-term actions within the Delivery Plan.
- 3.8 Work being undertaken to date includes:
- Creating a set of key targets and milestones to form an EV infrastructure roadmap to meet the ambition to phase out new petrol and diesel cars by 2032.
 - Developing a shared set of principles for EV charging tariffs to assist in a co-ordinated introduction the across the Tactran region.
 - Creating a forum for sharing of public authority fleet data and learning from EV deployment.
 - Developing a scheme to support local businesses in understanding and considering the benefits of EV vehicles.

- 3.9 The intention is that this work will assist in delivering the objectives of the strategy and provide a co-ordinated approach to implementation. It will also provide a sound basis for the development of potential regional funding bids to maximise external funding opportunities for the region.
- 3.10 It is intended that work on all the short-term actions and some of the higher priority medium and long-term actions within the Delivery Plan will feed into a second Regional EV Delivery Forum, provisionally scheduled for November 2020. The Partnership is asked to note the progress made in delivering the plan.
- 3.11 Following endorsement of the Delivery Plan, and throughout its delivery, each Local Authority will ensure its elected members are kept informed of progress through their own reporting processes.

4 CONSULTATIONS

- 4.1 This report has been developed in consultation with the relevant officers from the 4 constituent Councils.

5 RESOURCE IMPLICATIONS

- 5.1 The development of the Regional EV Strategy and Delivery Plan was met from the RTS revenue budget allocation for Climate Change utilising £20,000 in 2018/19 and £10,000 in 2019/20.
- 5.2 A 2020/21 RTS Revenue budget provision of £10,000 was agreed in March 2020 to support the development and implementation of the Regional Electric Vehicle Strategy and Delivery Plan (Report RTP/20/15 refers). Urban Foresight support in progressing the actions within the Delivery Plan is being funded by Tactran, Angus Council and Perth & Kinross Council, each providing £4,933.

6 EQUALITIES IMPLICATIONS

- 6.1 An Equalities Impact Assessment has been undertaken and any issues identified have been addressed and contributed to the development of the Regional Electric Vehicle Strategy.

Niall Gardiner
Senior Partnership Manager

For further information contact email niallgardiner@tactran.gov.uk or tel. 01738 475674.

NOTE

Background papers, as defined by Section 50D of the Local Government (Scotland) Act 1973 (and not containing confidential or exempt information) which were relied on to a material extent in preparing the above Report :-

Report to Partnership RTP/18/45 2018/19 Budget and Monitoring, 18 December 2018

Report to Partnership RTP/19/35, Regional Electric Vehicle Strategy and RTP/19/37, 2019/20 Budget and Monitoring, 17 September 2019

Report to Partnership RTP/20/14 2019/20 Budget and Monitoring, 17 March 2020

Report to Partnership RTP/20/15 2020/21 Budget and Programme, 17 March 2020

Tactran Regional EV Strategy: Delivery Plan

In September 2019, the Tactran Partnership Board approved an Electric Vehicle Strategy for the region. This Delivery Plan captures delivery timescale, ownership and progress in relation to each of the actions defined within the strategy.

Actions are grouped according to the three elements of the strategy: supporting electric vehicle uptake across the variety of users in the region, developing charging infrastructure across the region, and promoting electric mobility to multiple audiences through a variety of channels.

Supporting Vehicle Uptake (26 Actions)	Developing Infrastructure (19 Actions)	Promoting Electric Mobility (15 Actions)
Private cars (4 actions)	Long Term Management (2 Actions)	Short-term engagement (5 Actions)
Shared Mobility (7 Actions)	Deploying EV infrastructure (4 Actions)	Long-term engagement (2 Actions)
Public Sector Fleets (3 Actions)	Charging Hubs (3 Actions)	Promotion for Business (3 Actions)
Taxi & Private Hire Fleets (3 Actions)	On-street Charging (4 Actions)	Second-hand Market (2 Actions)
Business Fleets (1 Action)	Home Charging (2 Actions)	An Exemplar Region (3 Actions)
HGV & Large Service Vehicles (3 Actions)	Emerging Technologies (4 Actions)	
Buses & Coaches (5 Actions)		

Each action is assigned a timescale for delivery, defined as being either Short Term (0-6 months), Medium Term (6-18 months) or Long Term (18-48 months). The objectives within the Strategy related to each action are also indicated.

The overarching ownership of this Delivery Plan rests with the Regional EV Delivery Forum. For each action a Lead Partner is proposed, to be reviewed and agreed by the Forum.

Supporting Vehicle Uptake

Description		Progress		Approach
Integrated parking and charging tariffs				
1.1.1 Adopt a shared set of principles that EV charging tariffs are based on across the Tactran region and coordinate their introduction.		Dundee City Council implemented tariffs on 1 st November 2019. Impact being monitored by Urban Foresight and approach being shared with other local authorities.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner DCC	Other Partners PKC, SC, AC, Urban Foresight, EVAS, CPS, TS	Related objectives 1, 2, 5, 6	Proposed Timescale Medium	Priority High
1.1.2 Contribute to the national coordination of EV charging tariffs.				Lead Partner to action on behalf of Forum.
Lead Partner DCC	Other Partners PKC, SC, AC, Urban Foresight, EVAS, CPS, TS	Related objectives 1, 2	Proposed Timescale Medium	Priority Med
1.1.3 Agree a set of principles which parking policy and management should consider to support EV uptake		Each local authority has its own policy on parking for electric vehicles. Approaches and benefits to be collated.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC	Related objectives 9	Proposed Timescale Medium	Priority High
1.1.4 Pilot integrated parking and charging payments through a shared platform		Clean Streets Innovate UK project in Dundee looking to integrate charging and parking as part of a demonstrator project.		Lead Partner undertaking. Progress reporting to Forum.
Lead Partner DCC	Other Partners PKC, SC, AC, Urban Foresight, CPS, Appy Parking, Urban Electric, Just Park	Related objectives 9	Proposed Timescale Medium	Priority Low
Shared mobility				

Description		Progress		Approach
1.2.1 Support user interoperability between car club platforms		Dundee City Council's MILL project is developing the ShareMORE platform which will enable data sharing and integration between mobility services.		Lead Partner undertaking. Progress reporting to Forum.
Lead Partner Urban Foresight	Other Partners PKC, SC, AC, ShareMORE partner	Related objectives 12	Proposed Timescale Medium	Priority Low
1.2.2 Explore with local planning authorities the provision of electric car club vehicles (and associated charging infrastructure) as part of new housing developments.		Next step: To collate the current policies in each local authority relating to planning conditions for new developments.		To be facilitated by Forum Coordinators
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC, Scottish Government	Related objectives 8, 11	Proposed Timescale Long	Priority High
1.2.3 Work with car club operators to address some the barriers to greater levels of uptake, e.g. dependence on a back-to-base model		Next step: Gather information on current car club provision in each authority and the organisations providing it.		Forum Coordinator to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC, Car Club Operators	Related objectives 5, 6, 8, 12	Proposed Timescale Short	Priority Med
1.2.4 Work with car club operators to improve information (including in-vehicle information) on using electric car club vehicles		Next step: Engage with existing and potential car club operators tin the region.		Forum Coordinator to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC, Car Club Operators	Related objectives 7, 12	Proposed Timescale Short	Priority Med
1.2.5 Agree a minimum percentage of electric car clubs across the region that must be introduced when procuring a new service provider.		Dundee has a number of electric cars in its car club provision. No other authority currently has electric car club vehicles.		To be facilitated by Forum Coordinators and enacted by Partners
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC, Car Club Operators	Related objectives 3, 8, 9	Proposed Timescale Long	Priority Low

Description		Progress		Approach
1.2.6 Ensure that there is the inclusion of an electric car sharing vehicle at the site of any significant charging infrastructure, i.e. there is an electric car club vehicle at every charging hub.		Dundee currently has 1 electric car club vehicle at its Princes Street hub. The Clean Streets project intends to deploy more electric vehicles at pop-up charger hubs throughout the city.		To be facilitated by Forum Coordinators and enacted by Partners
Lead Partner DCC/Urban Foresight	Other Partners PKC, SC, AC, Car Club Operators	Related objectives 8, 9, 11	Proposed Timescale Short - Long	Priority Med
1.2.7 Promote the inclusion of EVs and electric mobility services as part of Mobility as a Service initiatives in the region		The region currently has 2 bids in to Transport Scotland's MaaS Investment Fund.		To be enacted by Partners
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, Maas delivery agents, Urban Foresight	Related objectives 9	Proposed Timescale Medium	Priority Med
Public sector fleets				
1.3.1 Develop a shared procurement strategy to try and drive down the overall costs of vehicles		Local Authorities currently use a variety of national or local frameworks to procure vehicles and take advantage of joint procurement.		To be facilitated by Forum Coordinators and enacted by Partners
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC, Scotland Excel, Crown Commercials	Related objectives 9	Proposed Timescale Long	Priority Low
1.3.2 Deliver a forum for the public authority fleets to share data and learning from EV deployment to accelerate the transition and identify barriers to adoption.		The Tactran EV Strategy Steering group has met a number of times and begun the process of information sharing in the region.		Forum Coordinators to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC, Tactran	Related objectives 9	Proposed Timescale Short	Priority Med
1.3.3 Set up the region as a recognised testing ground for new vehicles with the mix of urban and rural settings being ideal to prove technology		The MILL is set up in Dundee to promote the city as a Living Laboratory for new mobility technologies.		Lead Partner undertaking. Progress reporting to Forum.

Description		Progress		Approach
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC, Tactran, The MILL	Related objectives 9	Proposed Timescale Short	Priority Med
Taxi and private hire fleets				
1.4.1 Identify current best practice across the region and share with other authorities to again give consistent and progressive approach.		Dundee currently have converted 18% of taxis and private hires to electric vehicles.		To be facilitated by Forum Coordinators
Lead Partner DCC	Other Partners PKC, SC, AC	Related objectives 9	Proposed Timescale Short	Priority High
1.4.2 Consider a regional set of conditions to the vehicle rules to try and encourage the switch to electric vehicles		Each local authority has its own set of conditions for taxis. Work has been undertaken between Dundee and Angus to look to standardise.		To be facilitated by Forum Coordinators
Lead Partner DCC	Other Partners PKC, SC, AC	Related objectives 3, 9	Proposed Timescale Long	Priority Med
1.4.3 Deliver a consistent approach to the procurement of local services from the authorities which encourages the use of electric vehicles to deliver the tendered services.		Next Step: Gather information of procurement strategies in each local authority in regards to taxi contracts.		To be facilitated by Forum Coordinators and enacted by Partners
Lead Partner Delivery Forum	Other Partners PKC, SC, AC, DCC	Related objectives 3, 9	Proposed Timescale Medium	Priority Med
Business fleets				
1.5.1 Introduce a scheme to directly support local businesses to help them understand and consider the benefits of driving an electric vehicle.		No local schemes. Urban foresight run a Fleet Revolution scheme in the North East of England which could serve as a template.		Forum Coordinators to action on behalf of the Forum
Lead Partner Urban Foresight	Other Partners DCC, PKC, AC, SC	Related objectives 3, 9	Proposed Timescale Short	Priority Low
HGVs and Large Service Vehicles				

Description		Progress		Approach
1.6.1 Undertake a pilot of plug-in electric refuse collection vehicles within an urban area		Dundee will introduce to full electric RCV's into their fleet in 2020.		Lead Partner undertaking. Progress reporting to Forum.
Lead Partner DCC	Other Partners PKC, SC, AC, Urban Foresight, TS	Related objectives 8, 9	Proposed Timescale Short	Priority High
1.6.2 Ensure activity taken to support EV adoption in the region complements and integrates with a Regional Framework for the Development of Hydrogen Refueling Infrastructure		Proposals for Hydrogen refueling being developed in Perth and Dundee		To be facilitated by Forum Coordinators and enacted by Partners
Lead Partner Delivery Forum	Other Partners DCC, PKC, SC, AC, Urban Foresight, TS	Related objectives 1	Proposed Timescale Long	Priority Med
1.6.3 Support the development of showcase project for utilising hydrogen infrastructure on a multi-use basis a key development sites within the region, such as the Michelin Scotland Innovation Parc and the Perth West Eco Innovation Park		Proposals for Hydrogen refueling being developed in Perth and Dundee		Lead Partner undertaking. Progress reporting to Forum.
Lead Partner Delivery Forum	Other Partners DCC, PKC, SC, AC, Urban Foresight, TS, MSIP	Related objectives 1	Proposed Timescale Long	Priority Med
Buses and coaches				
1.7.1 Collectively learn lessons from Xplore Dundee's electric bus pilot as well as international best practice.		Next step: Gather data from Xplore in relation to trial.		To be facilitated by Forum Coordinators
Lead Partner DCC	Other Partners PKC, SC, AC	Related objectives 5, 6, 9	Proposed Timescale Short	Priority Med
1.7.2 Explore potential use cases for electric buses (e.g. as part of a Park & Ride service) and the potential for pilot projects in the region.		Castleview Park & Ride currently under development in Stirling.		Lead Partner undertaking. To be supported by Forum Coordinator

Description		Progress		Approach
Lead Partner SC	Other Partners DCC, PKC, AC, TS. Tay City Deal	Related objectives 3, 9	Proposed Timescale Long	Priority Med
1.7.3 Define and produce a clear direction of development for the region in relation to future zero emission buses		Next step: Meet with regional bus companies to understand current position.		To be facilitated by Forum Coordinators and enacted by Partners
Lead Partner Delivery Forum	Other Partners DCC, PKC, SC, AC	Related objectives 9	Proposed Timescale Long	Priority High
1.7.4 Create an opportunity to share best practice concerning electrification across bus operators regionally and ensure a consistent approach to local discussions.		Next step: Meet with regional bus companies to understand current position.		Forum Coordinators to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners DCC, PKC, SC, AC, Explore, Stagecoach	Related objectives 9	Proposed Timescale Long	Priority Med
1.7.5 Share learnings from JIVE2 project to date and engage with Aberdeen City Council to understand challenges and opportunities arising from their work in this area.				Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner Delivery Forum	Other Partners DCC, PKC, AC, SC, AC, TS, First Bus, Co-Wheels	Related objectives 9	Proposed Timescale Long	Priority Med

Developing Infrastructure

Description		Progress		Approach
Long term management of public charging assets				
2.1.1 Develop an infrastructure roadmap to 2032 consisting of a set of key targets and milestones for regional wide infrastructure delivery.		Each local authority has details of current infrastructure and future plans. These are to be collated and mapped.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner Tactran	Other Partners DCC, PKC, AC, SC, TS,	Related objectives 3	Proposed Timescale Short	Priority High
2.1.2 Assess the feasibility of future delivery models available to local authorities.		Urban Foresight have developed a number of operating models for other UK regions.		Forum Coordinators to action on behalf of the Forum
Lead Partner Urban Foresight	Other Partners DCC, PKC, AC, SC, TS	Related objectives 3	Proposed Timescale Medium	Priority High
2.2.1 Create a tool kit for use by the local authorities that gives guidance on best practice for where infrastructure should be situated		Develop the procedure currently used by Stirling to identify sites. Clean Streets project will deliver toolkit for on-street charger identification.		Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner SC	Other Partners DCC, PKC, AC, SC, Urban Foresight	Related objectives 4, 5	Proposed Timescale Medium	Priority High
Deploying public charging infrastructure				
2.2.2 Develop a checklist to assess and support the site selection process as well as the choice of infrastructure		Develop the procedure currently used by Stirling to identify sites. Clean Streets project will deliver toolkit for on-street charger identification.		Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner SC	Other Partners DCC, PKC, AC, SC, Urban Foresight	Related objectives 4, 5	Proposed Timescale Medium	Priority Med

Description		Progress		Approach
2.2.3 Adopt a standardised approach to utilise all available data to create an evidence base for best practice infrastructure provision		Transport Scotland carried out detailed analysis on each local authority data and shared with them.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner TS	Other Partners DCC, PKC, AC, SC	Related objectives 2	Proposed Timescale Medium	Priority Med
2.2.4 Develop a GIS based map of the EV infrastructure in the region that includes future proposed additions to allow for a comprehensive overview of all the chargers in the region.		A number of sources hold data on current infrastructure in each area, Charge Place Scotland, Zap Map and local authorities. Planning applications can be viewed.		Forum Coordinator to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners DCC, PKC, AC, SC, Urban Foresight	Related objectives 5, 6	Proposed Timescale Short	Priority Med
The development of charging hubs				
2.3.1 Create a toolkit to ensure that all the future developments of charging hubs have fully considered how this integrates with the current public transport and active travel provision.		Queen Street hub in Broughty Ferry can be used as a model to fully integrate charging hubs with other travel activities.		Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner DCC	Other Partners PKC, SC, AC, Urban Foresight	Related objectives 12	Proposed Timescale Medium	Priority Med
2.3.2 Engage with local communities when identifying where to place charging infrastructure.		Dundee City council have carried out engagement with local community in recent months, this can be developed across the region.		To be enacted by Partners
Lead Partner DCC	Other Partners PKC, SC, AC, Urban Foresight	Related objectives 7	Proposed Timescale Long	Priority Med
2.3.3 Formulate a regional off the shelf “shopping list” for the development of charging hubs in the region, allowing for quick and easy pricing of projects at development stage.		Next step: Each local authority to provide a list of completed infrastructure projects, to include costs and equipment deployed.		Lead Partner undertaking. To be supported by Forum Coordinator

Description		Progress		Approach
Lead Partner Urban Foresight	Other Partners DCC, PKC, AC, SC	Related objectives 1, 2	Proposed Timescale Short	Priority High
On-street charging solutions				
2.4.1 Introduce the on-street charging toolkit to include feeder pillar design and support large scale adoption		Clean Streets project in Dundee will deliver toolkit and design challenge for feeder pillar to be shared across the region.		Lead Partner undertaking. Progress reporting to Forum.
Lead Partner Urban Foresight	Other Partners DCC, PKC, AC, SC	Related objectives 5, 6	Proposed Timescale Medium	Priority Med
2.4.2 Develop a region wide approach to supporting the trials of new technologies in this area and a formal process for sharing the learning with all other partners.		The MILL in Dundee provides the framework to trail new technologies within the city and possibly wider region.		Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner Tactran	Other Partners DCC, PKC, AC, SC, The Mill	Related objectives 9, 10	Proposed Timescale Medium	Priority Med
2.4.3 Develop a region wide framework for the use of council owned car parks to support EV adoption		Gather current practice in each authority in relation to EV parking in council owned car parks.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner Delivery Forum	Other Partners Tactran, PKC, DCC, SC, AC	Related objectives 1, 12	Proposed Timescale Long	Priority Med
2.4.4 Engage in a project to identify the most suitable places to introduce on-street charging infrastructure		Toolkit will be produced as part of Clean Streets project in Dundee to support the delivery of on-street chargers.		Lead Partner undertaking. Progress reporting to Forum.
Lead Partner Urban Foresight	Other Partners PKC, DCC, SC, AC	Related objectives 2	Proposed Timescale Medium	Priority Med

Description		Progress		Approach
Home charging				
2.5.1 Develop a guidance document for local authorities to deploy when faced with any new housing developments		Authorities currently provide some guidance on EV infrastructure provision for new developments.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner Delivery Forum	Other Partners Scottish Government, DCC, PKC, AC, SC	Related objectives 11	Proposed Timescale Long	Priority High
2.5.2 Develop a business case for local authorities for the inclusion of electric vehicle charging and associated renewable technology with any new developments				Forum Coordinator to action on behalf of the Forum
Lead Partner Urban Foresight	Other Partners DCC, PKC, AC, SC	Related objectives 11	Proposed Timescale Medium	Priority Med
EVs in relation to other emerging technologies				
2.6.1 Engage with industry to identify and attract large scale trials of technologies such as V2G and V2X in the region		Dundee are currently in discussion with Nissan regarding V2G trial in the city.		Lead Partner undertaking. Progress reporting to Forum.
Lead Partner DCC	Other Partners Urban Foresight, PKC, SC, AC, Nissan	Related objectives 10	Proposed Timescale Long	Priority Low
2.6.2 Develop a regional strategy to link these new technologies to energy production within the region and how this may support community Energy Projects				Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner Tactran	Other Partners DCC, PKC, SC, AC, Urban Foresight	Related objectives 10	Proposed Timescale Long	Priority Low

Description		Progress		Approach
2.6.3 Develop a roadmap for the region to ensure that it has the infrastructure in place to support the deployment of CAVs and to ensure the correct strategic decisions are taken when rolling out new infrastructure projects in the region.				Forum Coordinator to action on behalf of the Forum
Lead Partner Urban Foresight	Other Partners Tactran, DCC, SC, AC, PKC	Related objectives 13	Proposed Timescale Long	Priority Low
2.6.4 Identify a number of specific projects in the Tactran area that would be suitable to support CAV's deployment and market the area as a test bed.				Forum Coordinator to action on behalf of the Forum
Lead Partner Urban Foresight	Other Partners Tactran, DCC, SC, AC, PKC	Related objectives 13	Proposed Timescale Long	Priority Low

Promoting Electric Mobility

Description		Progress		Approach
Short-term engagement strategies				
3.1.1 Develop a region wide communication strategy		Dundee currently have a specific campaign to promote electric vehicles “Drive Dundee Electric”.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner DCC	Other Partners Tactran, PKC, AC, SC, Urban Foresight	Related objectives 7	Proposed Timescale Medium	Priority Med
3.1.2 Identify the appropriate body to deliver the communication strategy and to fully integrate with Transport Scotland’s engagement strategy as well as other back office providers engagement strategies.		Each local authority is currently responsible for its own communication regarding electric vehicles as well as national communication from Transport Scotland.		Lead Partner to action on behalf of Forum.
Lead Partner Tactran	Other Partners DCC, PKC, AC, SK, Urban Foresight	Related objectives 7	Proposed Timescale Short	Priority Low
3.1.3 Create and maintain a list of the key benefits and incentives available across the region to support the uptake of electric vehicles.		Each local authority currently provides a number of incentives for EV users, this data needs collated.		Forum Coordinator to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners DCC, PKC, AC, SK, Urban Foresight	Related objectives 7	Proposed Timescale Short	Priority Med
3.1.4 Fully integrate any communication strategy with existing promotional activities in the region, such as the Electric A9.		Perth & Kinross are currently working closely with Transport Scotland to deliver aspects of the Electric A9 project.		Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner PKC	Other Partners DCC, Tactran, AC, SK, Urban Foresight, TS, HC, FC	Related objectives 7	Proposed Timescale Short	Priority Med

Description		Progress		Approach
3.1.5 Develop a promotional strategy for e-tourism in the region		Urban Foresight and Dundee are working on a project with SSE in relation to electric vehicles and tourism in Scotland.		Lead Partner undertaking. To be supported by Forum Coordinator
Lead Partner Tactran	Other Partners Urban Foresight, SSE, DCC, PKC, AC, SC	Related objectives 4	Proposed Timescale Medium	Priority Low
Long term engagement strategies				
3.2.1 Develop the tools and resources to deliver a programme of support to all the primary and secondary schools in the region.		Several schools in the region are signed up to Eco-Schools which is the largest sustainable schools programme in the world.		Forum Coordinator to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners Urban Foresight, Eco-Schools, DCC, PKC, AC, SC	Related objectives 7	Proposed Timescale Long	Priority Med
3.2.2 Deliver a region wide programme to install charging infrastructure at all educational premises		Local authorities are currently looking to deploy infrastructure at schools as part of the current roll out of infrastructure.		To be enacted by Partners
Lead Partner Delivery Forum	Other Partners DCC, PKC, AC, SC	Related objectives 1	Proposed Timescale Long	Priority Med
Promotion for business				
3.3.1 Fully integrate a scheme to directly support local businesses to help them understand and consider the benefits of driving an electric vehicle with the “Travel Know How” scheme.		Travel Know How is a scheme run by Tactran which allows people to make more sustainable transport choices.		Lead Partner to undertake. To be supported by Forum Coordinator
Lead Partner Tactran	Other Partners DCC, PKC, AC, SC	Related objectives 7, 9	Proposed Timescale Medium	Priority Low
3.3.2 Undertake a feasibility study into the creation of a region wide vehicle sharing system				Lead Partner to undertake. To be supported by Forum Coordinator

Description		Progress		Approach
Lead Partner Tactran	Other Partners DCC, PKC, AC, SC, Urban Foresight	Related objectives 12	Proposed Timescale Medium	Priority Low
3.3.3 Build a network of champions from across the business community to promote the benefits of fleet electrification.				Forum Coordinator to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners DCC, PKC, AC, SC	Related objectives 7	Proposed Timescale Short	Priority Low
Second-hand market				
3.4.1 Provide new and used car dealers with the knowledge, information and resources on the local benefits of transitioning to electric vehicles		Drive Dundee Electric have been providing literature to a number of dealers in the city to help promote electric vehicles.		Lead Partner to undertake. To be supported by Forum Coordinator
Lead Partner DCC	Other Partners PKC, AC, SC	Related objectives 7, 9	Proposed Timescale Medium	Priority Med
3.4.2 Understand the changing nature of vehicle purchasing and ownership in the longer term		Next Step: Speak to local dealers and see what support may be required.		Forum Coordinator to action on behalf of the Forum
Lead Partner Delivery Forum	Other Partners DCC, PKC, AC, SC, Urban Foresight	Related objectives 9	Proposed Timescale Long	Priority Med
Creating an exemplar region				

Description		Progress		Approach
3.5.1 Consider agreeing a Memorandum of Understanding across all appropriate organisation in the region and nationally to commit to promoting the region as an international exemplar region in the deployment and promotion of electric vehicles.		The MILL was set of formally in Dundee to promote and deliver projects in the city and make it an exemplar city in regards to electric mobility.		To be facilitated by Forum Coordinator and enacted by Partners
Lead Partner Tactran	Other Partners DCC, PKC, AC, SC, The MILL	Related objectives 4, 7, 9	Proposed Timescale Medium	Priority Low
3.5.2 Identify the requirements to formally create an exemplar region and create a road map with detailed action plan to support the delivery of this ambition.		The regional EV strategy describes a number of areas that should be included in the detailed action plan to deliver the exemplar region.		Lead Partner to undertake. To be supported by Forum Coordinator
Lead Partner Tactran	Other Partners DCC, PKC, AC, SC, The MILL	Related objectives 3, 7, 9	Proposed Timescale Medium	Priority Med
3.5.3 Deliver a programme of events and productions to support the status as an international exemplar in the Tactran region.		Next step: Gather data on current events planned.		Lead Partner to undertake. To be supported by Forum Coordinator
Lead Partner Tactran	Other Partners DCC, PKC, AC, SC, The MILL	Related objectives 7	Proposed Timescale Long	Priority Low