



An Roinn Iompair
Department of Transport

zevi Zero Emission
Vehicles Ireland

Implementation Plan



Implementation Plan

This Implementation Plan is an initial set of actions and deliverables that support the delivery of the Electric Vehicle Charging Infrastructure Strategy, spanning charging schemes, policies, and strategy-related work. The Implementation Plan consists of four sections: National EV Charging Network Plan, Schemes (particularly funding), Policy & Strategy, and Communications and Reporting.

Overview of the Implementation Planning Process

The Implementation Plan, in its current and future iterations, will provide a comprehensive range of new and expanded measures to support the delivery of electric vehicle charge point infrastructure. In turn, this infrastructure will support the Climate Action Plan ambition that nearly 1 in 3 private cars will be an electric vehicle by 2030.

The outcomes of the plan will be supported by complementary actions from other relevant national policies and strategies, which will support delivery of the Climate Action Plan goals.

The Implementation Plan will be reviewed on a regular basis (at least annually) up to 2025 to measure how we are delivering our goals. This will allow us to adopt any lessons learned into any revisions in relation to new or updated plans as we progress to 2025. In future revisions, there will be milestones

related to the EV Policy and Pathway working group and other policy areas such as EV related taxation topics.

The strategy will be implemented in collaboration with other public agencies including Transport Infrastructure Ireland, the National Transport Authority, the Sustainable Energy Authority of Ireland, ESB Networks, the Commission for Regulation of Utilities, and local authorities, as well as private stakeholders.

The implementation actions listed below comprise priority activities for 2023 in particular, with some high-level activities for 2024 and 2025 also specified. Specifically, scheme development and capital-funding support for infrastructure for the years 2024 and 2025 will be reviewed and considered at the end of 2023.

The Implementation Plan

1. National EV Charging Network Plan:

The focus of this section is to produce a national EV charging network plan and a related demand-supply assessment according to the electricity grid's readiness to meet the projected demand over 2023 to 2025. The plan will incorporate the planning and tracking tasks required to help Ireland achieve its commitments under the Europe Union's Alternative Fuel Infrastructure Regulation (AFIR), part of which relates to the availability of EV charging infrastructure.

This plan will involve engagement with stakeholders including Transport Infrastructure Ireland (TII), regional assemblies/local authorities (RAs/LAs), charge point operators, and ESB Networks (ESBN), as well as key industry stakeholders such as the freight and logistics sector. The intention is to have

an iterative planning process over several phases between 2023 and 2025. The list of milestones below covers the first phase/iteration of the planning exercise. The milestones for subsequent phases will be contained in future editions of the Implementation Plan and will reflect feedback from the previous planning phase.

As part of the planning process, the risks identified in the EV Charging Infrastructure Strategy (electricity grid capacity, site availability, resources, and funding) will be considered along with associated dependencies and actions to mitigate those risks. In addition, other risks that are identified as part of the process will be managed.

Reference Number	Category	ZEVI Workstream	Milestone/KPI	Owner	Support	Timeline	Outcome / Details
1.	National Demand / Supply plan (En-Route Charging)	Infrastructure	Delivery of the first iteration of the National EV Charging Network Plan (En-Route Charging) to meet user needs and deliver AFIR TEN-T requirements for both LGVs and HGVs by 2025	ZEVI	TII, Regional Assemblies/ Local Authorities, ESBN, Charge Point Operators, Freight Sector	Q2 2023	<p>For each of the three categories of the National EV Charging Network Plan an agreed set of charging demand and supply assessment guidelines will be developed that will be re-used in the annual National EV Charging Network Planning process to deliver the updated national plan.</p> <p>For the en-route category, this includes a guiding document on developing en-route charging plans including site selection, level of charge point cover, and grid connections. The main outcome for June will be the first iteration of the National EV Charging Network Plan (EN-Route Charging).</p>

Reference Number	Category	ZEVI Workstream	Milestone/KPI	Owner	Support	Timeline	Outcome / Details
2.	National Demand / Supply plan (Residential & Destination)	Infrastructure	Delivery of the first iteration of the National EV Charging Network Plan (Residential & Destination)	ZEVI	Regional Assemblies/ Local Authorities, ESNB, and Charge Point Operators, SEAI	Q3 2023	<p>Specific guidelines for the development of the residential and destination charging point category of the National EV Charging Network Planning process will be developed. This will include a guidance on developing residential and destination charging plans including site-selection, level of charge point cover, and grid connections.</p> <p>The main outcome will be the first iteration of a National EV charging Network Plan for Residential and Destination charging for the delivery of this infrastructure.</p>
3.	National Demand / Supply plan (Remote Areas)	Infrastructure	High-powered charger provision in remote areas to enable just transition	ZEVI	ESNB, TII, Regional Assemblies/ Local Authorities, Charge Point Operators	Q3 2023	<p>Specific guidelines for the development of the remote areas charging point category of the National EV Charging Network Planning process will be developed. The intention is to enable just transition in remote areas for the availability of charging points. The first and subsequent iterations of the National EV Charging Network Plan will include provision of high-power infrastructure for remote areas.</p>

2. Schemes

This section provides details on schemes planned to support increased EV charging infrastructure.

All key strategy principles underpin the development of these schemes, namely:

- Principle 1: EV infrastructure will form part of a wider sustainable transport network;
- Principle 2: EV charging infrastructure will work for everyone, regardless of age, health, income, or other needs;
- Principle 3 For the majority of EV users, home charging will remain the main solution;
- Principle 4: Options will be provided for those who cannot charge at home;
- Principle 5: Across the EV charging network, EV charging systems will be interoperable and as simple as possible to use.

Reference Number	Category	ZEVI Scheme	Milestone	Owner	Support	Timeline	Outcome / Details
4.	Scheme	Shared Island Sports Club Scheme	Online grant application process is live	Pobal	ZEVI	End of January 2023	Destination charging infrastructure installed in sports clubs for communities across the island
5.	Scheme	Shared Charging Scheme Pilot	Scheme launched	ZEVI	Fáilte Ireland	Q2 2023	Provision of another option for home charging in the community for those who can't charge at home
6.	Scheme	European Union Just Transition Framework Community Centre Charging Scheme	Scheme launched	ZEVI	Pobal	End of June 2023	Destination charging infrastructure installed in community centres in the midlands region
7.	Scheme	Neighbourhood Charging Scheme	Design local authority support package	ZEVI	Local Government Management Agency (LGMA), Regional Assemblies/Local Authorities	Q3 2023	Local neighbourhood charging
8.	Scheme	Destination Charging Scheme	Scheme launched	ZEVI	Private and Public Sector	Q3 2023	Provision of funding in support of destination charging

Reference Number	Category	ZEVI Scheme	Milestone	Owner	Support	Timeline	Outcome / Details
9.	Scheme	E-Mobility Hubs	Completed Scope of funding requirements for EV charging infrastructure for e-car clubs and e-mobility hubs in communities	ZEVI	Sustainable Mobility Policy, Department of Transport, Local Authorities, and Private Sector	Q4 2024	Work with local authorities and car club providers to develop business cases for funding EV charging infrastructure for e-car clubs and e-mobility hubs.
10.	Scheme	Innovation	Identify pilot projects to support the rollout of innovative EV charging solutions	ZEVI	LGMA, Local Authorities, Private and Public Sector, SEAI	2023 to 2025 Ongoing	Identify, trial and implement innovative solutions to the provision of charging infrastructure
11.	Scheme	EV Home Charging Grant Scheme	Continued delivery & review of 'Electric Vehicle Home Charger Grant' scheme	SEAI & ZEV		Ongoing	Operation & periodic review of the EV home charger grant scheme & standards for smart home charging.
12.	Scheme	Apartment Charging Grant	Delivery of 'Electric Vehicle Apartment Charger Grant'.	SEAI & ZEV		Ongoing	This scheme was launched by ZEVI in July 2022 and is delivered by SEAI. The scheme assists residents and owners of apartments and other multi-unit developments to install EV home chargers.
13.	Scheme	Destination Charging Schemes	Alignment of schemes delivered through SEAI and ZEVI funding	SEAI & ZEV		Ongoing	Structured liaison to co-ordinate grants for destination chargers and SEAI community and business grants

3. Policy & Strategy

This section includes deliverables and related milestones for delivering the necessary policies in support of the expansion of EV charging infrastructure, together with policies related to electric vehicles and EV transition. Some of the ZEVI policy/strategy deliverables will cover the appropriate governance of the implementation of the AFIR in Ireland. The AFIR is expected to be finalised later in 2023. The regulation will come into force 6 months after it is finalised. The dates below may be moved subject to the finalisation date. The

main principle (from Chapter 2 in the strategy document) underpinning the development of these actions is:

- Principle 5: Across the network, EV charging systems will be interoperable and as simple as possible to use

* The timelines in relation to AFIR assume that it will be finalised in Q1 and will come into force in Q3:

Reference Number	Category	ZEVI Workstream	Milestone	Owner	Support	Timeline*	Outcome / Details
14.	Strategy	Accessibility and Safety	Publication of draft accessibility standards and completion of public consultation research paper	ZEVI	Charge Point Operators, Charge Point User Groups, the National Standards Authority of Ireland (NSAI)	Q4 2023	Provision of minimum accessibility and safety standards for charge-point operations to ensure ease of access and quality experience for the public
15.	Infrastructure	AFIR Implementation	Standards covering displays at charge points and fuel stations	ZEVI		Q3 2023*	
16.	Policy/ Infrastructure	Interoperability	Develop agreed standards for interoperability of charging points – consulting with users and operators Develop regulatory regime to ensure standards met	ZEVI	Public and Private Sectors, and User Groups	Q4 2023*	Improved standards covering <ul style="list-style-type: none"> • Payment methods • Price transparency • Reasonable, and non-discriminatory pricing • Easily-comparable pricing

Reference Number	Category	ZEVI Workstream	Milestone	Owner	Support	Timeline*	Outcome / Details
17.	Strategy	AFIR Implementation: Data Strategy	Publish Data Strategy for consultation	ZEVI		Q4 2023*	Develop a Data Strategy setting out measures to be implemented to effectively collect, use, and make data available to appropriate stakeholders and end users
18.	Strategy	AFIR Implementation: Overarching National EV Policy Framework	Publish National EV Policy Framework (for consultation and EU consideration)	ZEVI	All Stakeholders	End of January 2024	Draft National EV Policy for the development of the EV market and the deployment of the relevant infrastructure
19.	Policy	AFIR Implementation	Identification of Registration Organisation and National Data Access Point	ZEVI		End of October 2024*	Agreed Registration Organisation and National Data Access Point
20.	Strategy	AFIR Implementation	Availability of Charge Point data on an open basis to all stakeholders and the public	ZEVI		End of December Q4 2024*	The relevant data will be made available via an open-access platform
21.	Strategy	AFIR Implementation	AFIR Implementation National Policy Framework (With EU feedback)	ZEVI	Stakeholder Groups	End of January 2025	Develop final National EV Policy Framework following public consultation and feedback from EU
22.	Infrastructure	Charge Point Reliability	Develop standards and KPIs for minimum performance standards for charge point operators Develop regulatory regime for monitoring and compliance	ZEVI	ZEVI	End of March 2025	To ensure a quality experience for the public when using Charge Point operations

4. Communications & Reporting

This section includes deliverables that support reporting and communications (on the progress being made in expanding EV charging infrastructure in

Ireland) to the public and to the European Union under AFIR regulations.

Reference Number	Category	ZEVI Workstream	Milestone	Owner	Support	Timeline*	Outcome / Details
23.	Governance	Engagement and Collaboration	Engagement and collaboration with international counterparts including the Northern Ireland Executive & United Kingdom Office for Zero Emission Vehicles (OSEV)	ZEVI	Collaboration with other international bodies as meetings are scheduled	Ongoing	Meetings to commence by end of February 2023 at agreed intervals
24.	Governance	Engagement and Collaboration	Engagement and collaboration with stakeholders through delivery groups.	ZEVI	All Stakeholders	Ongoing	Extensive collaboration and knowledge sharing to deliver solutions and overcome barriers to the common goal of delivering the EV Charging Infrastructure Strategy and Implementation Plan
25.	Infrastructure/ Vehicle	Principle 2: EV charging infrastructure will work for everyone, regardless of age, health, income, or other needs	AFIR Implementation Progress Tracking	ZEVI	RAs/LAs, CPO's, SEAI, Mobility Service Providers	March each year	Develop an annual report for the EU Commission, including: <ul style="list-style-type: none"> • The total aggregated charging-power output • The number of charge points • The number of battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs)

Reference Number	Category	ZEVI Workstream	Milestone	Owner	Support	Timeline*	Outcome / Details
26.	Governance	Engagement and Collaboration	ZEVI report to Government in Q4 annually	ZEVI		Q4 annually	Part of the ZEVI Governance programme
27.	Infrastructure	Engagement and Collaboration	ZEVI annual review and publication of updated Implementation Plan	ZEVI		Q4 annually	Part of the ZEVI Governance programme
28.	Infrastructure		Agreed Charge Point Performance monitoring approach	ZEVI		End of March 2025	Once data is available, monitor performance and if any measures are needed to regulate it

