



Mobility Package 2017: initiatives for low-emission alternative fuels vehicles and infrastructures

DG MOVE



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Mobility and
Transport

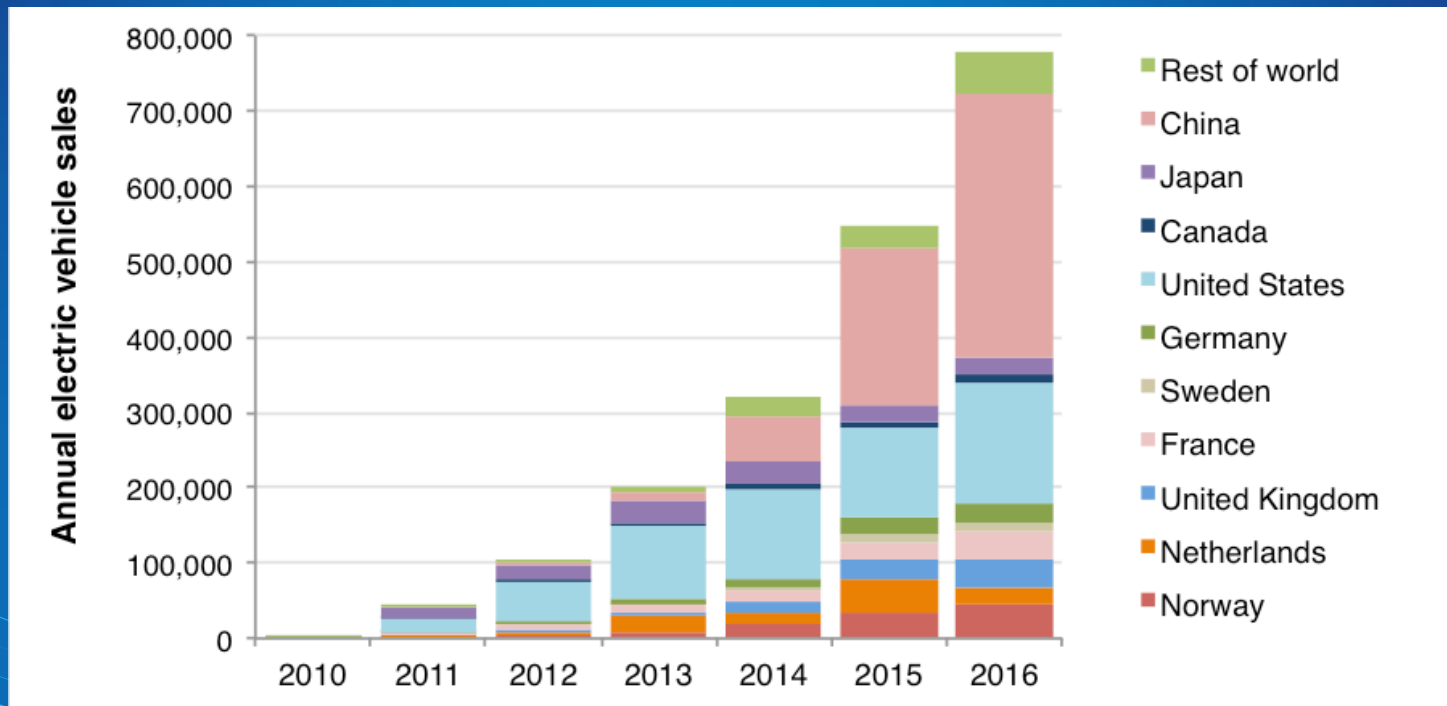
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European Strategy for Low Emission Mobility (July 2016)

- by mid-century, greenhouse gas emissions from transport will need to be at least 60% lower than in 1990 and be firmly on the path towards zero.
- Emissions of air pollutants from transport that harm our health need to be drastically reduced without delay.
- Key approach:
 - Increasing the efficiency of the system
 - Speeding up the deployment of low-emission alternative energy for transport
 - Moving towards zero-emission vehicles
 - White Paper urban targets

Annual electric vehicle sales 2010-2016





Alternative fuels infrastructure

Implementation of Directive 2014/94/EU

- A minimum infrastructure to be implemented through national policy frameworks for:
 1. Electricity: publicly accessible recharging points to be built by 2020 to allow the circulation of EVs Union-wide, both in urban and sub-urban areas, as well as on the TEN-T Core Network.
 2. Liquefied Natural Gas (LNG): publicly accessible Natural gas/bio-methane refuelling points for road vehicles and ships/vessels, with common standards, on the TEN-T Core Network;
 3. Compressed Natural Gas (CNG): publicly accessible refuelling points to allow the circulation of CNG vehicles Union-wide, both in urban and sub-urban areas, as well as on the TEN-T Core Network;
 4. Hydrogen: sufficient number of publicly accessible refuelling points, with common standards, in the Member States who opt for hydrogen infrastructure.





Communication "Europe on the Move", May 2017

Need for stepping up action, in particular on alternative fuels and their infrastructure

"An EU backbone charging infrastructure by 2025: the Commission will address the issue of investment financing in the context of an **Alternative Fuels Infrastructure Action Plan** to support the deployment of an EU backbone charging infrastructure, with the aim of providing full coverage of the Trans-European Networks-transport (TEN-T) corridors' core network with charging points by 2025."



Action Plan for alternative fuels infrastructure

- Increase the level of ambition
 - Recommendations to MS on implementation of NPFs
 - TEN-T flagships – European Alternative Fuels Corridor
 - Enabling measures in urban areas (SUMP, access rules)
- Increase the scale and impact of finance
 - CEF blending call and other instruments
 - Guidelines on finance and business models
- Increase consumer acceptance

Interoperability of services



Alternative Fuels Infrastructure

Standardisation of charging infrastructure

- Agreed: common plug for slow & fast recharging stations
- In the November package – delegated act on standards for L-category vehicles, electricity shore connection inland vessels, gaseous hydrogen, certain bunkering LNG vessels

Methodology for fuel price comparison

Directive 2009/33/EC on the promotion of clean and energy-efficient road transport vehicles (Clean Vehicles Directive)

- The "CVD" is part of the EU transport policy and a sectorial complement of the horizontal EU procurement legislation (2014/24/EU, 2014/25/EU).
- Lifetime impacts have to be taken into account on a mandatory basis in purchase decisions on public transport vehicles:
 - ✓ Energy consumption
 - ✓ CO2 emissions
 - ✓ Pollutant emissions (NO_x, NMHC, PM)



Clean Vehicles Directive

- Outcomes of evaluation: Relevant, but not fit for purpose
 - Limitations in scope
 - Different options led to patchwork at MS level
 - Current monetisation methodology has deficits
- IA roadmap distinguishes several measures that are now part of the IA:
 - *Extension of scope* including thresholds, types of procurements and actors
 - *Changes to mechanisms*, including a comprehensive definition, targets and revised monetisation methodology
- Extensive consultation process in Q1 & Q2 2017
- Proposal due 8 November 2017
- Strong interlinkage with the forthcoming CO₂ emission performance standards for cars and vans.



Funding and financing support

- Ongoing support for R&I (Horizon 2020) and deployment (Connecting Europe Facility, European Structural Investment Funds)
 - Note: budget for grants will be decreasing
- New opportunities for deployment financing under the Clean Transport Finance Facility with the European Investment Bank (1st December 2016)
 - Alternatively fuelled buses a priority area
- Blending call under CEF (150 million under 1st call 2017 for innovation)

