

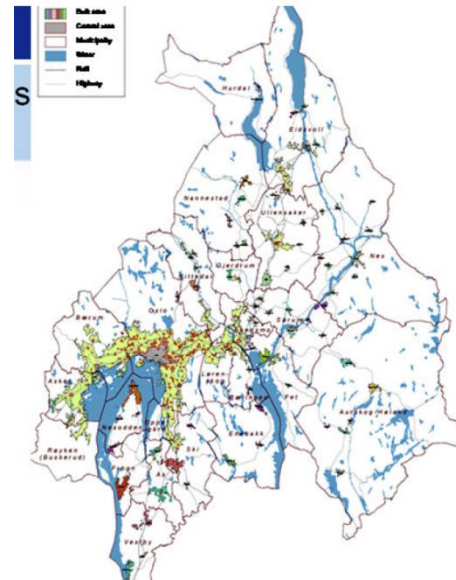
Solveig Schytz, 17<sup>th</sup> September 2014

# Vistvænar samgöngur

Electromobility in Akerhus: Achievements and policy towards the future



# Oslo & Akershus



- > 1 million inhabitants
- 1-2 % annual population growth
- Among Europe's fastest growing capital regions
- High levels of commuting into Oslo city from the region
- One region – urban and rural

# The main GHG emissions sources



## Transport sector

- 19 %
- 1990-2013: +30 %
- ≈ 60 % in Akershus
- Urban smog in winter



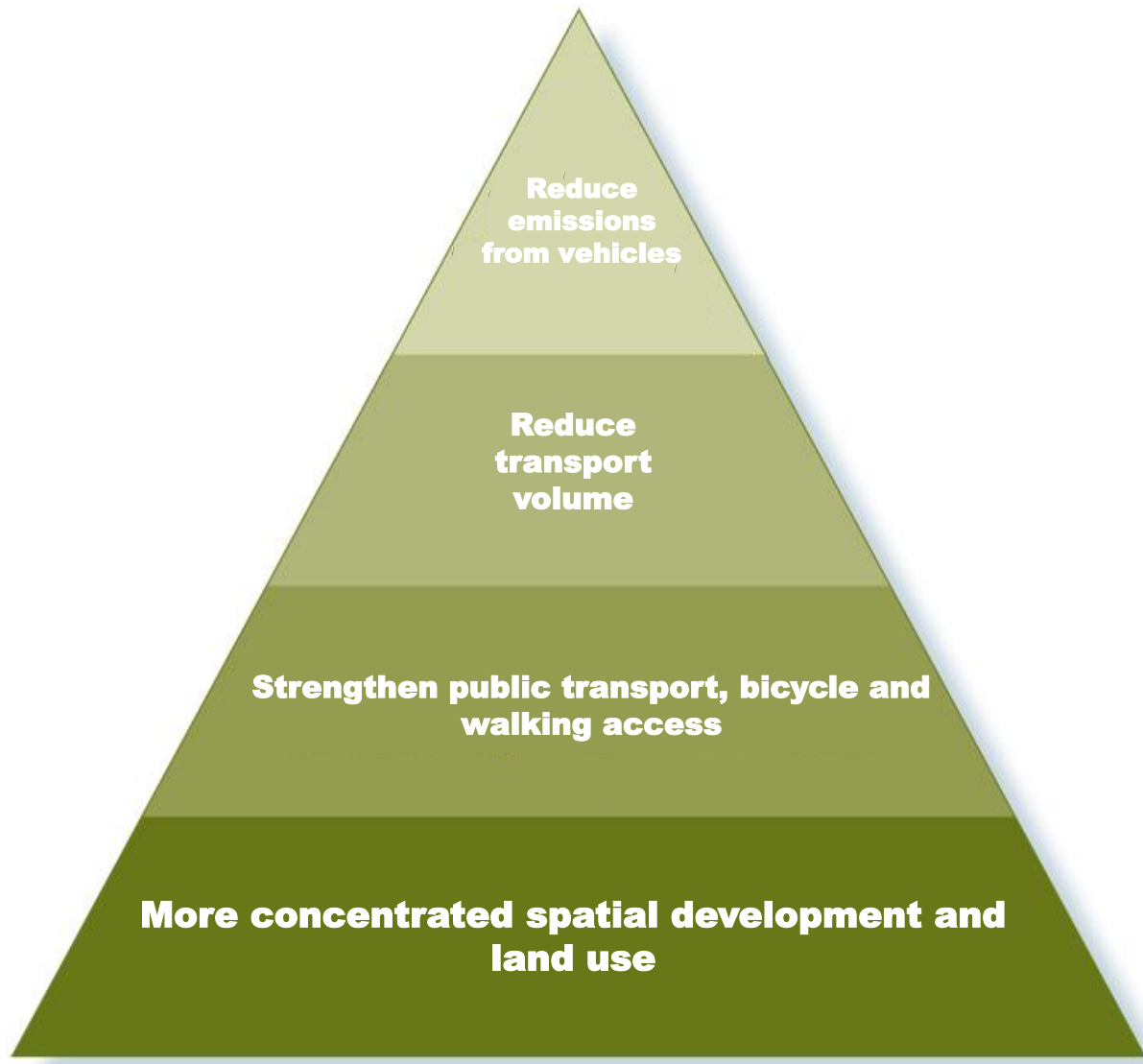
## Oil and gas

- 27 %
- 1990-2013: +81 %

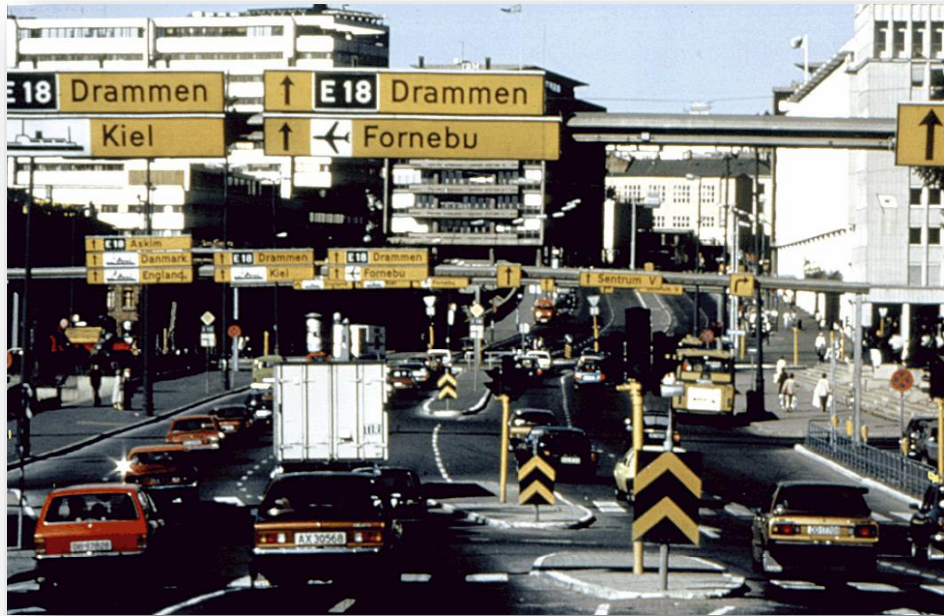


## Industry

- 22 %
- 1990-2013: -39 %



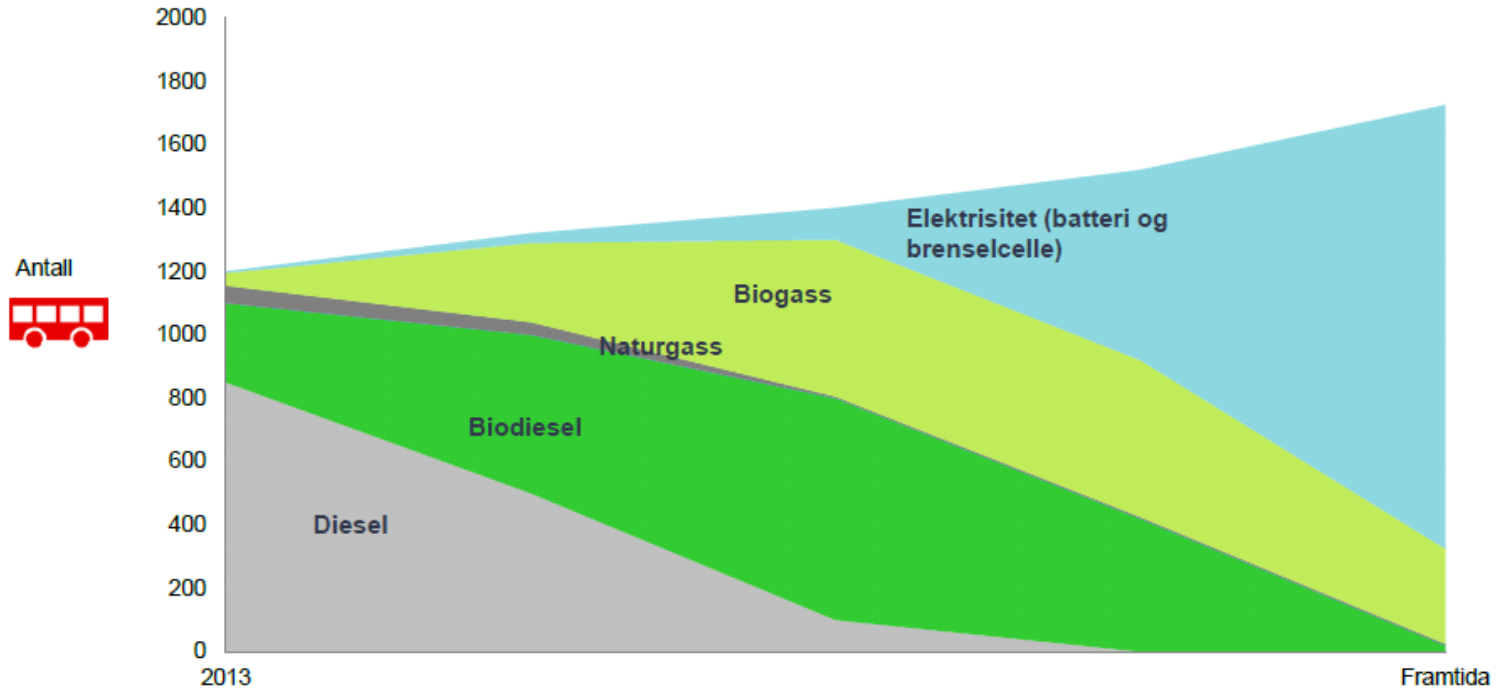




*The front area at the Town Hall prior to the opening ...*



*... of the road tunnel under the city.*



Antall  


**Ruter#**





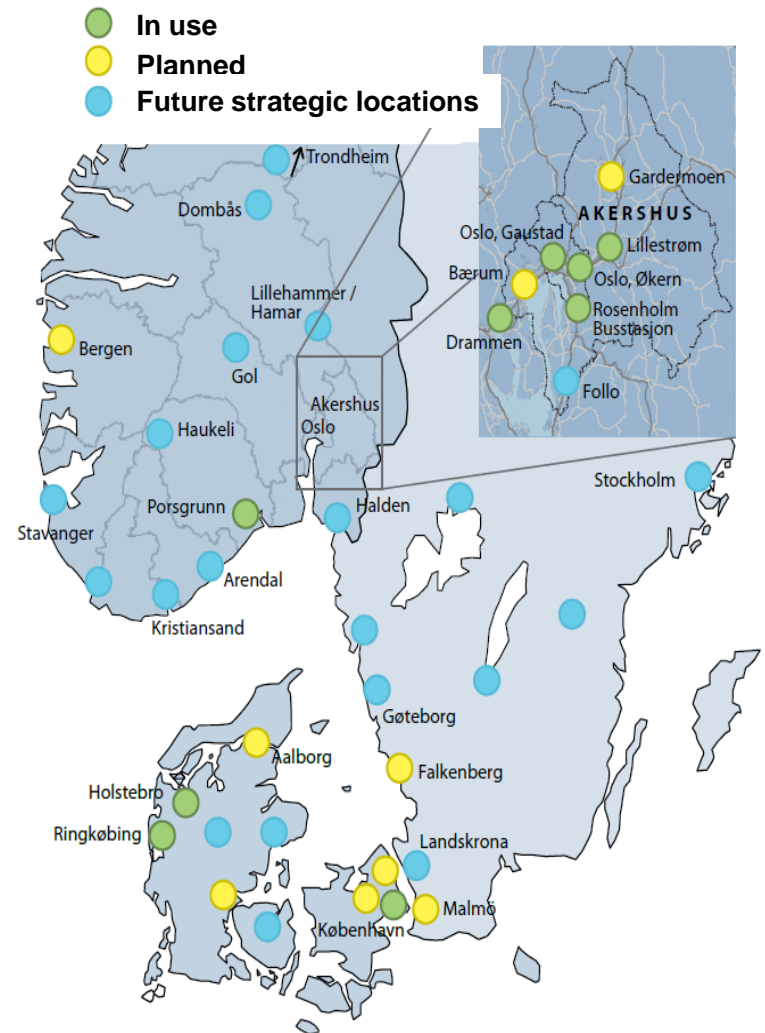


Foto: Ruter AS



# The Akershus-Oslo Region is prepared

- 5 years of testing HRS and FCEV
- Increasing HRS infrastructure, 2 new HRS next year
- Zero emissions hydrogen production
- Early regional charging infrastructure roll-out



# The Hydrogen Strategy for the capital region

Hydrogen strategy for 2015 to 2025 to help early introduction of fuel cell electric vehicles in the Oslo Region. Prepared together with the City Government of Oslo.

Priorities:

1. Increasing the filling station (HRS) network
2. Stimulating demand and vehicle access.
3. National and international cooperation

2 phases; 2014-18, 2019-25

HRS investments (2014-2025) needed  $\approx$  85 mill. €.

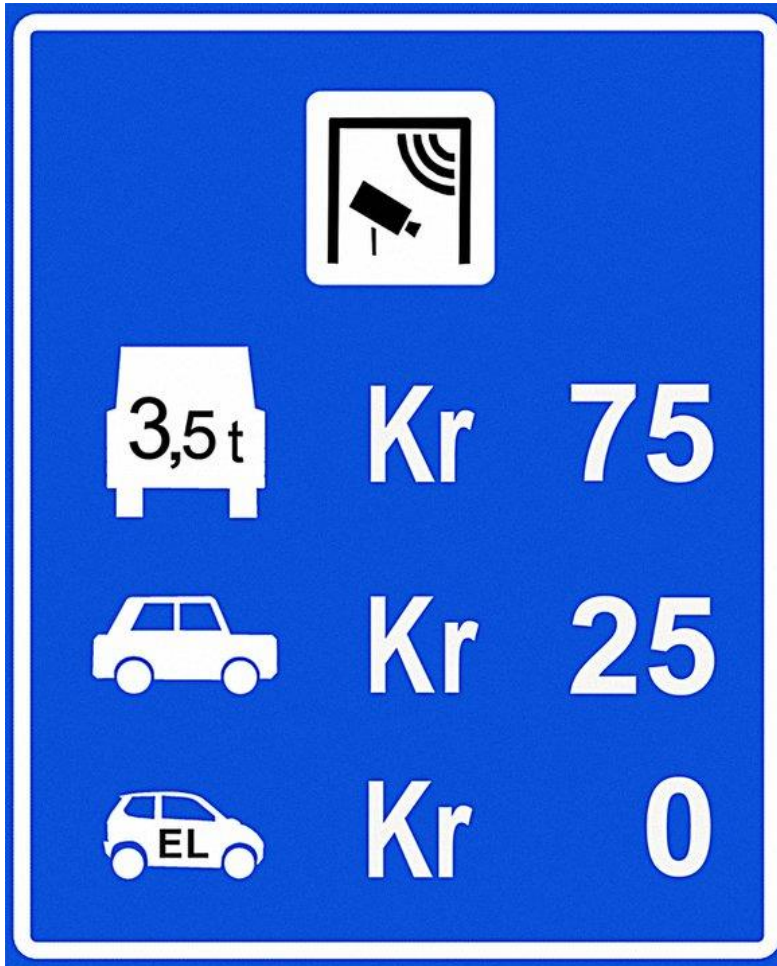
In our projects Next Move and What's Next we are well ahead in planning for hydrogen infrastructure along a (TEN-T) corridor that connects Norway to Sweden, Denmark and Germany.



# Electric vehicles in Norway







*Toll ring signpost. Not official design.*

Norwegian incentives a package of fiscal incentives *and* user friendly incentives (no direct subsidies!).

- Free passing in toll road stations.
- Low annual vehicle fee.
- No registration fee or VAT.
- Free public parking.
- Access to public transport lanes.
- Free charging at most public charging stations.

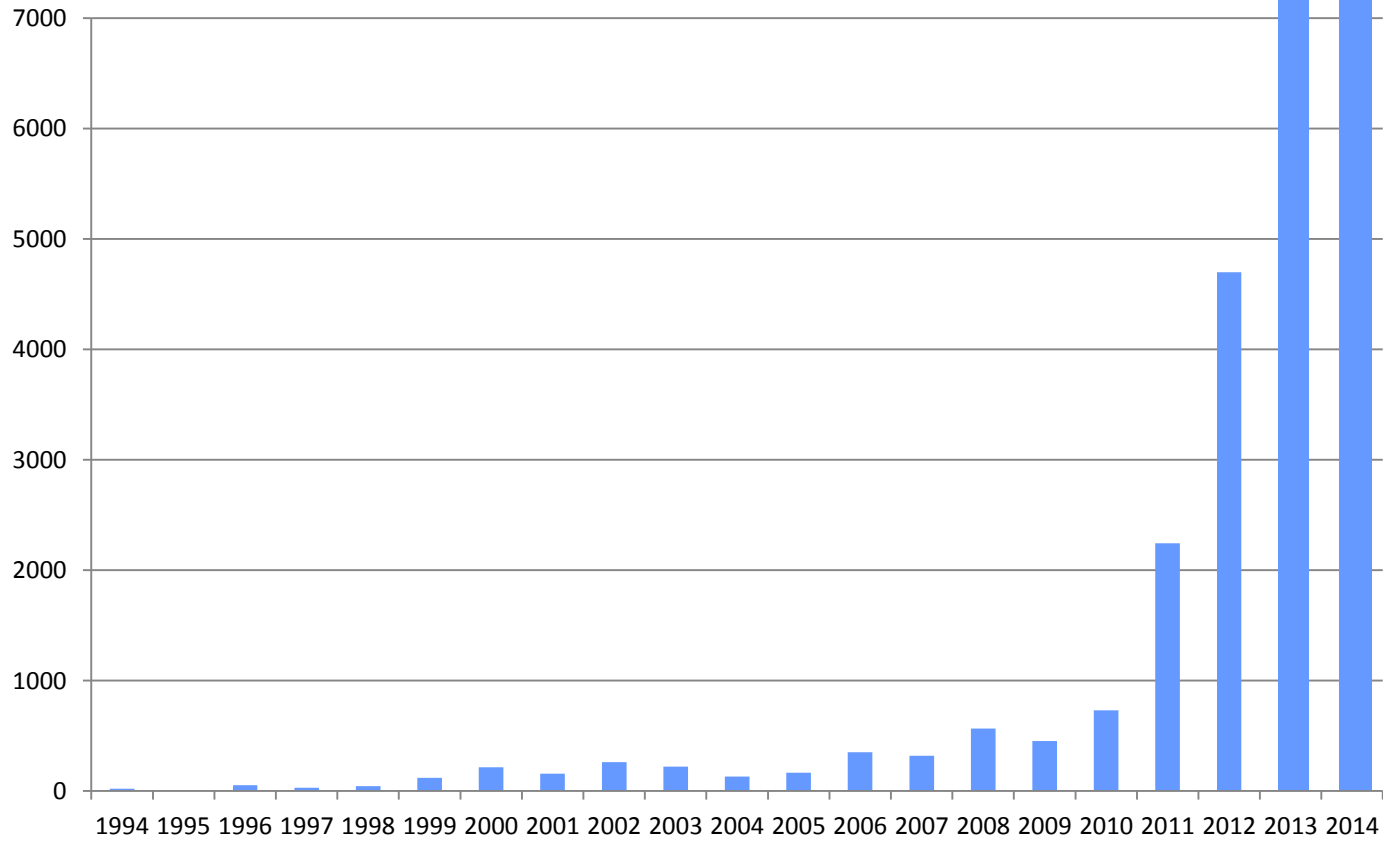
Transnova.

«Frozen» until end of 2017 – or 50 000 registered EVs.

In addition municipalities with incentives on their own. Oslo, maybe Asker, targeted towards building complexes.

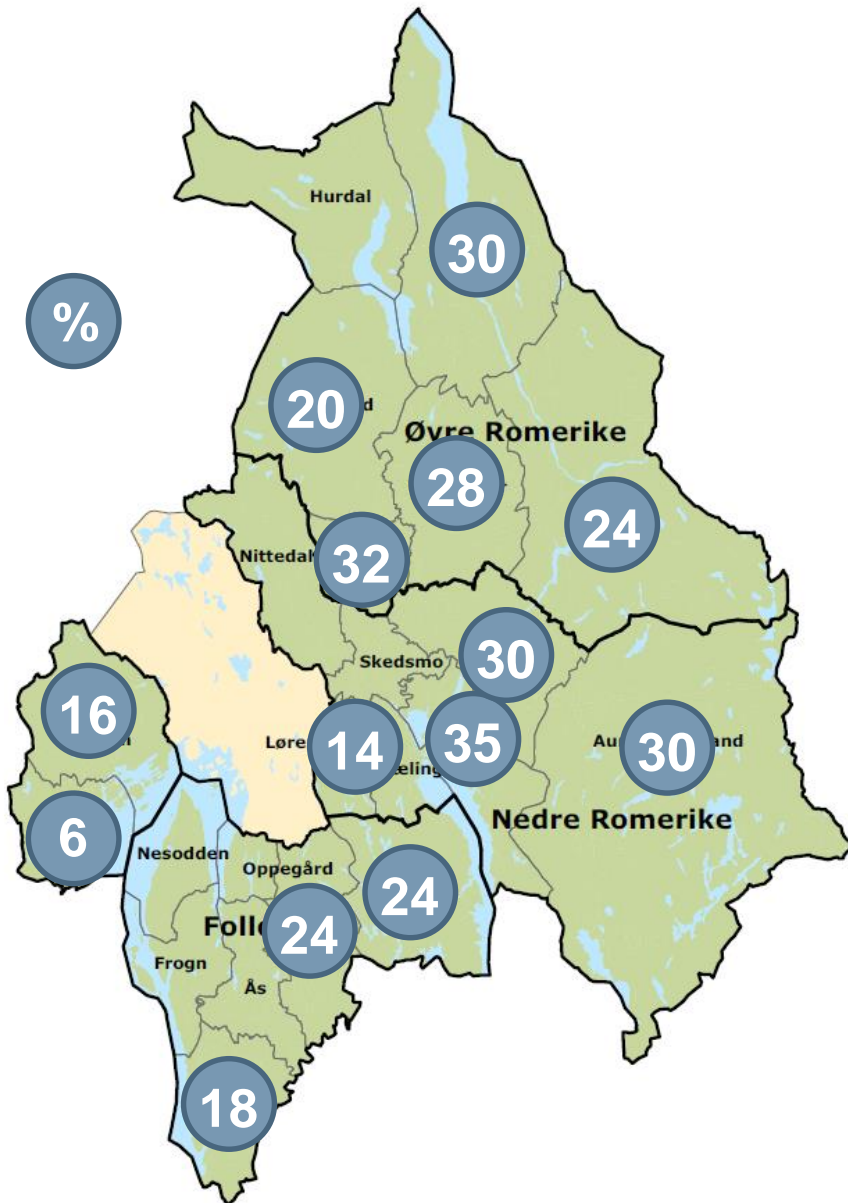


### Annual registered EVs Norway





2009  2014



Increase in sales, last quarter (in %).

App. 14 000 out of 34 000 EVs registered in the capitol region of Oslo (yellow) and Akershus (green).







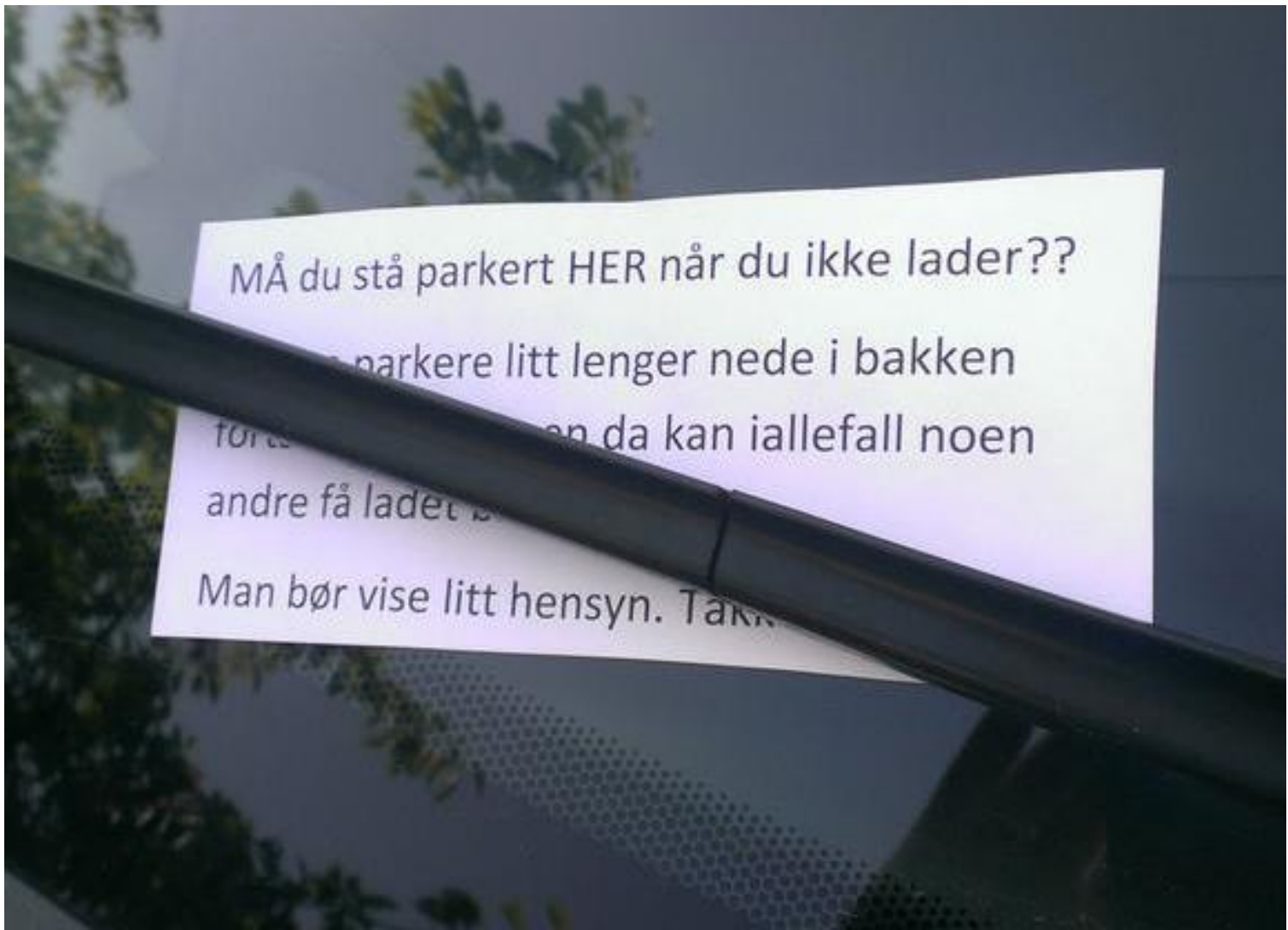


Foto: Norsk Elbilforening








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 [solveig.schytz@akershus-fk.no](mailto:solveig.schytz@akershus-fk.no)

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