Oslo kommune

Electric vehicles in Oslo – public incentives

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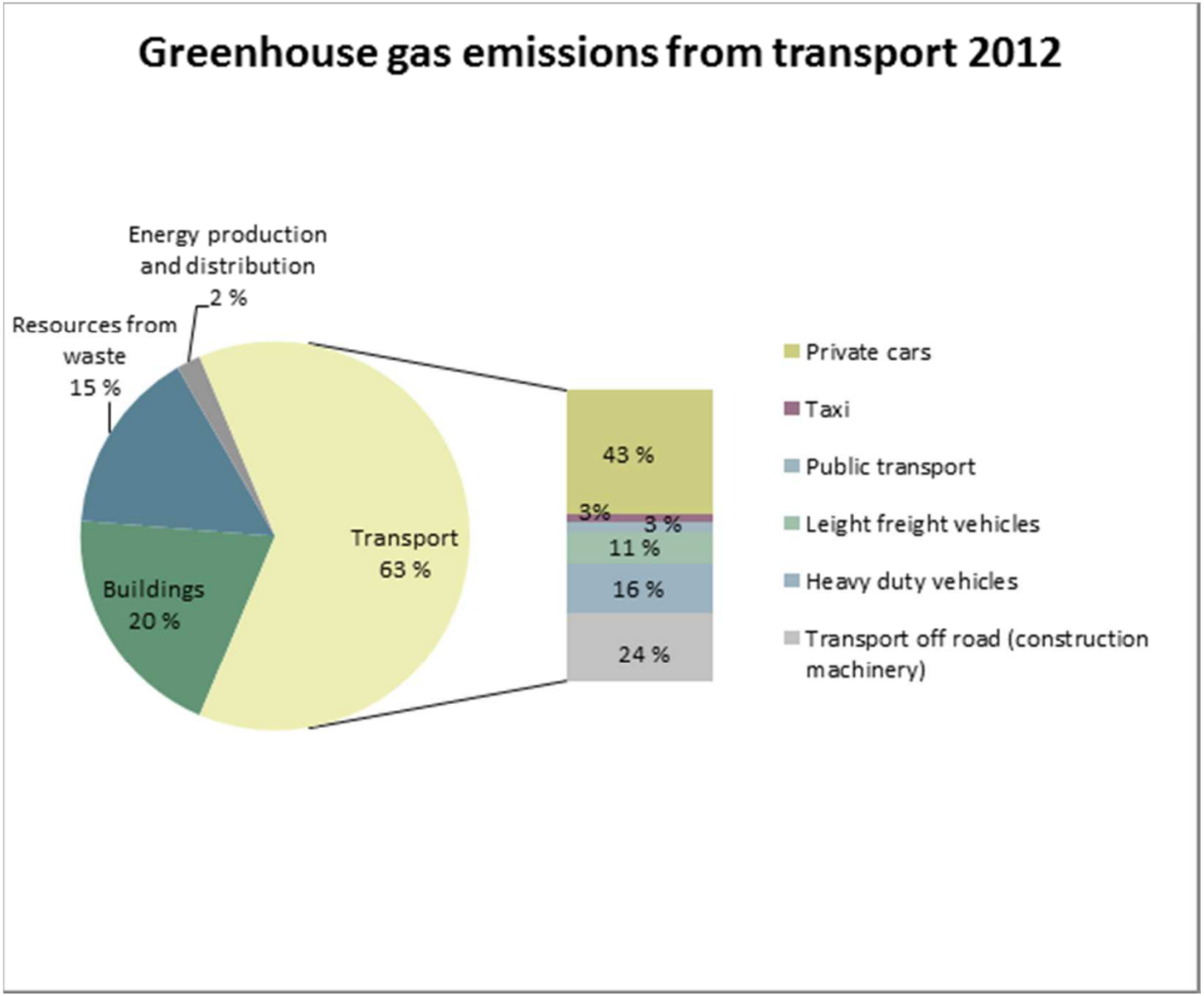
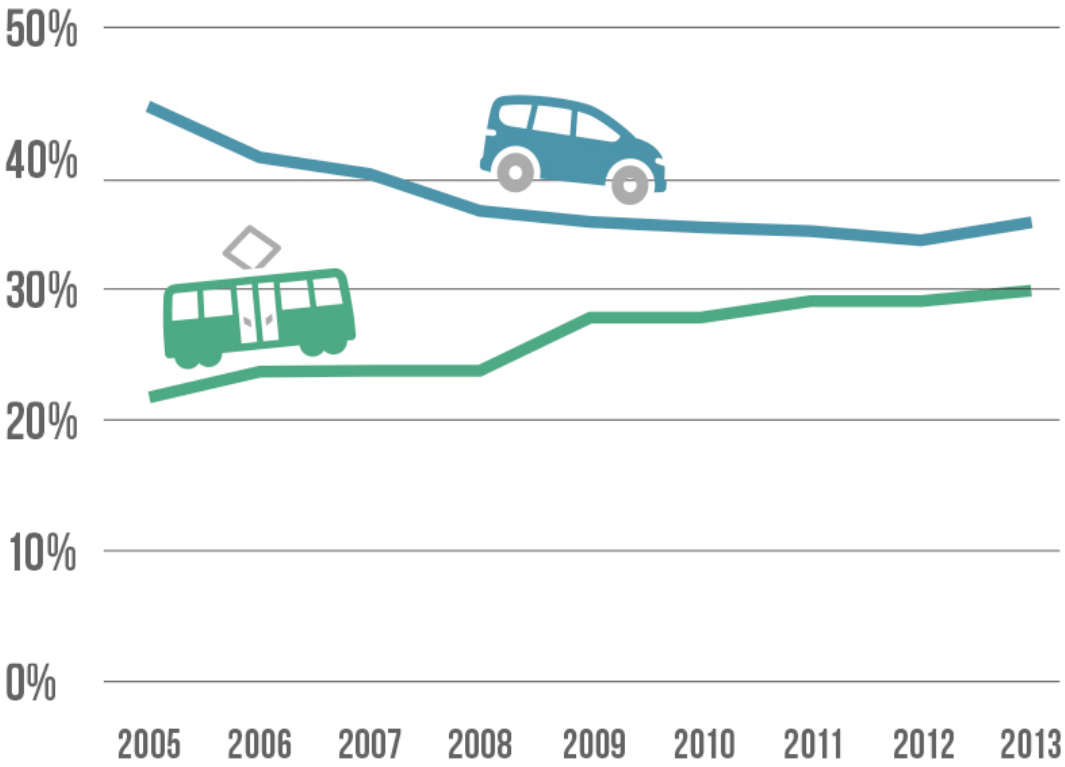
GOAL:
REDUCE GHG-EMISSIONS BY 50 % BY 2020,
AND BY 95 % BY 2030.

A green transport shift is needed!



DISTRIBUTION OF MODES OF TRANSPORT IN OSLO



- 65 % of daily trips are eighter by public transport, walking and biking.

Incentive package EVs Oslo and Norway

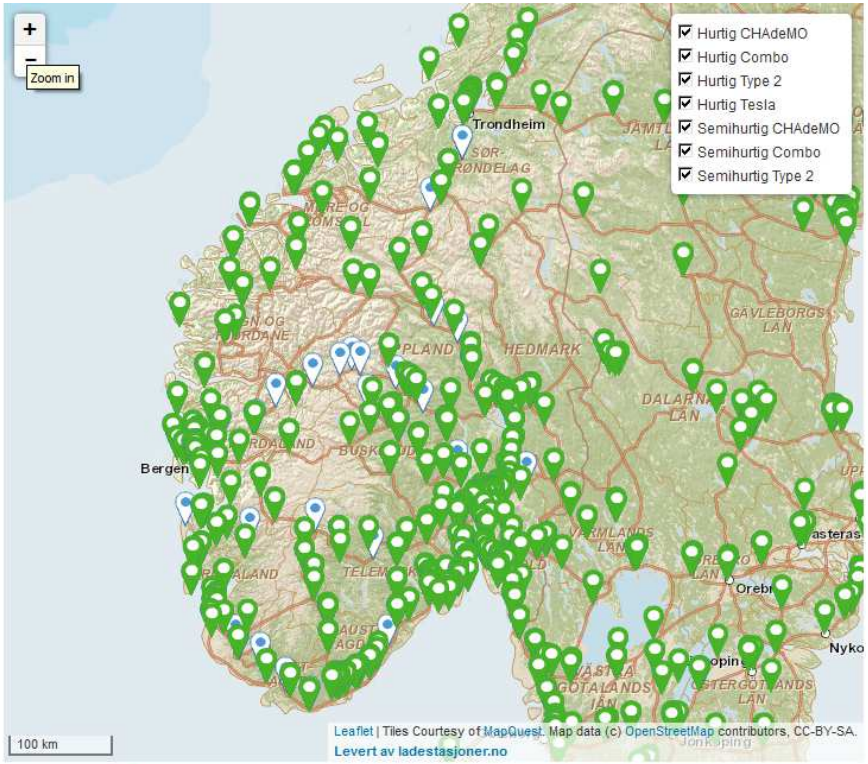
- Zero purchase tax and VAT (since 2001). Low annual road license fee.
- Free toll roads (since 2009)
- Drive in the bus lane (since 2004)
- Free public parking and charging (since 2008)
- 50 % reduced company car tax
- No tax on leasing
- Public procurement – 1000 electric vehicles in the municipality.

Coming:

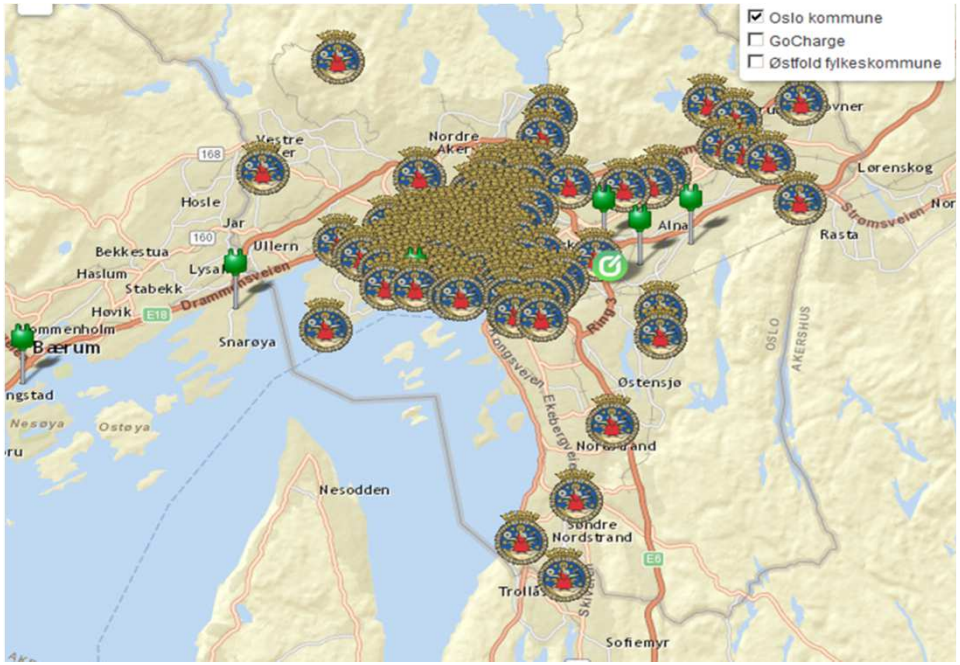
- Fossil free zone/Low-emission zone
- Toll ring with differentiated taxes depending on emissions

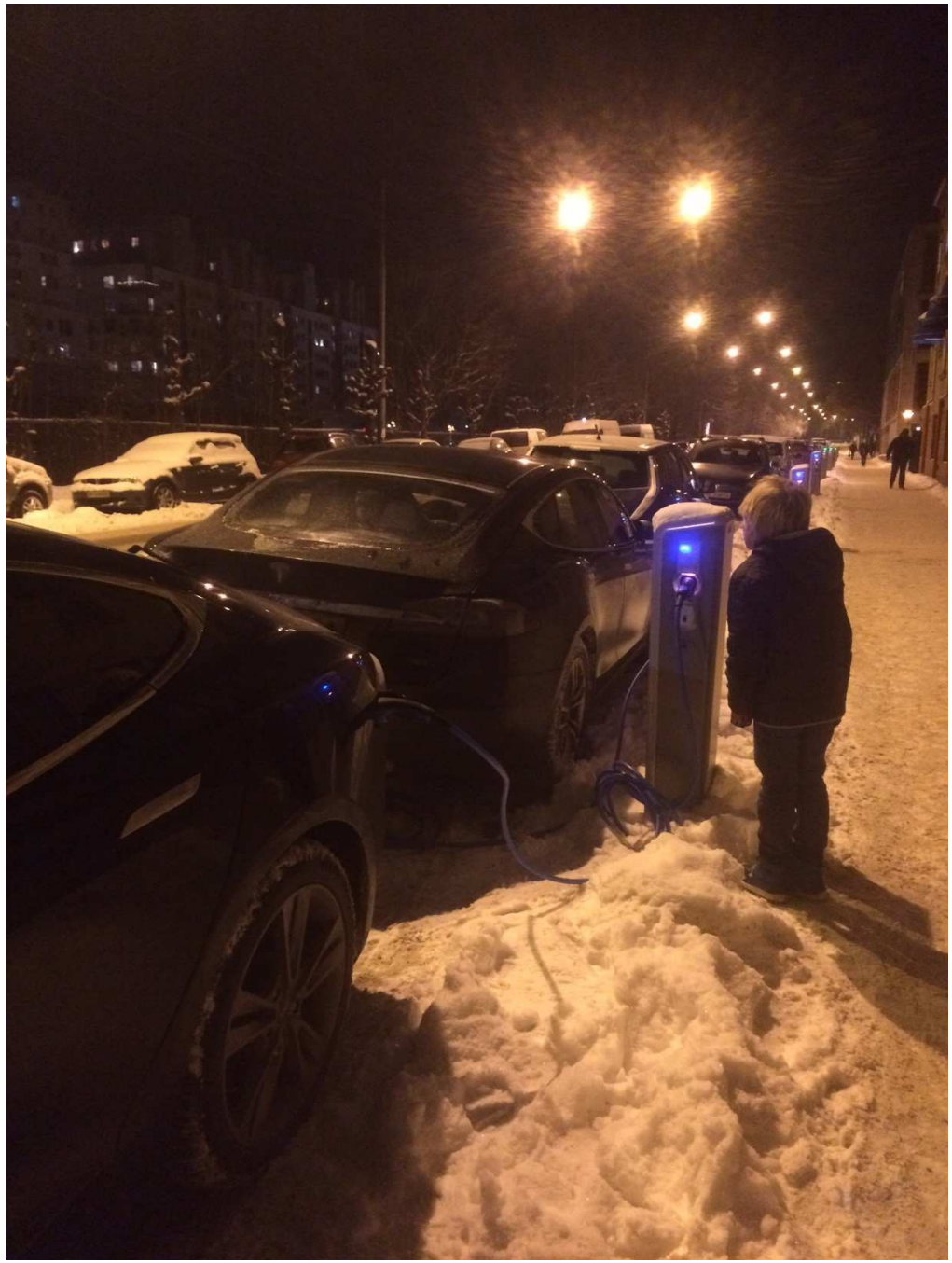
Charging infrastructure Norway and Oslo

The City of Oslo is today the country's largest owner of charging infrastructure with <u>1000 on-street charging point</u> on public ground. <u>200</u> new charging points will be deployed within 2016.

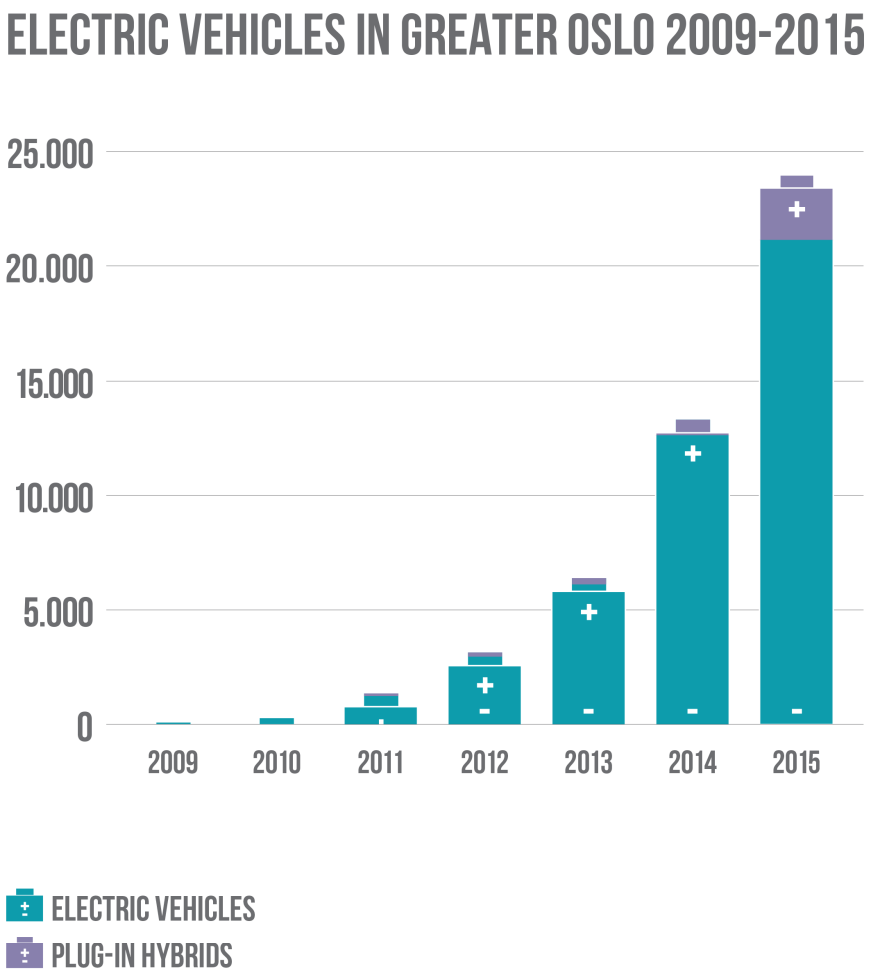


Nålforklaring: Eksisterende ☑ Kommende ☑ Invilgede søknader ☑



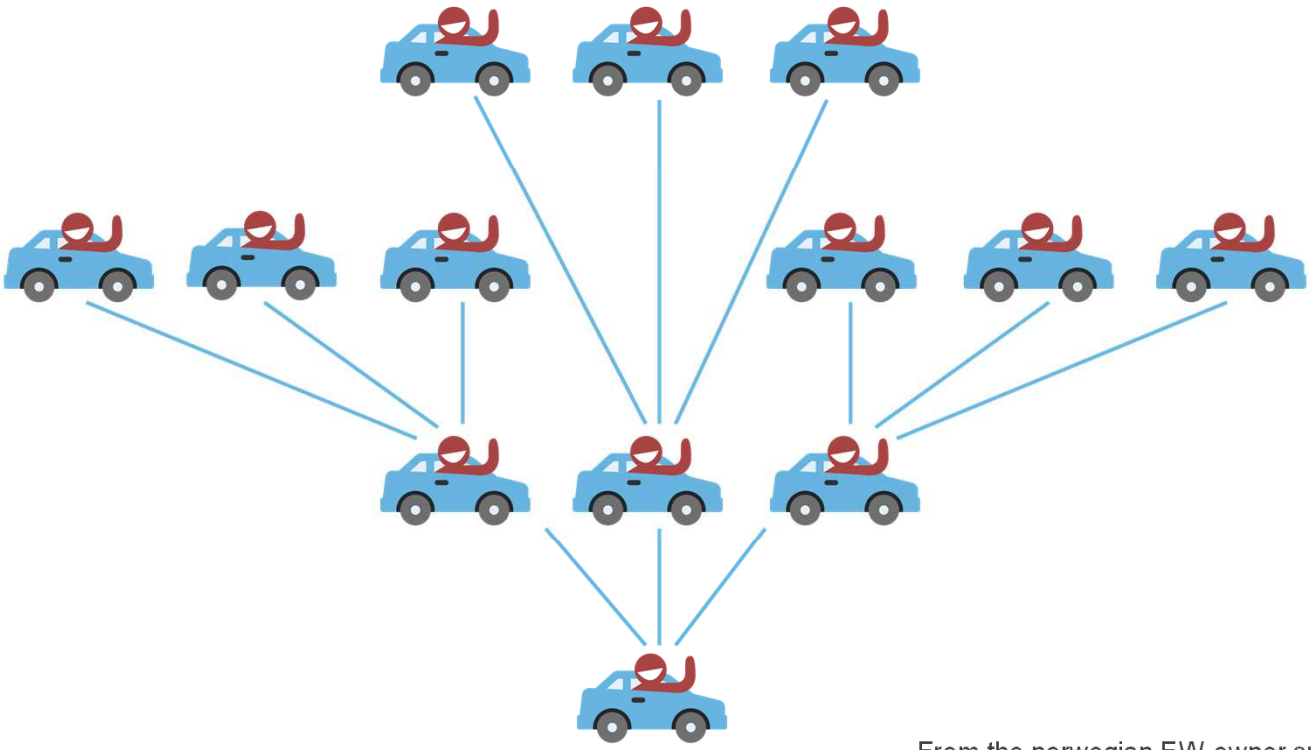


Seeing- is believe. Easily available charging infrastructure made the driving an EV attractive and convenient, but also helped to raise public awareness and increase understanding about EVs.



- **30 % of new cars sold in Oslo in 2015 are electric.**
- **24000 electrical vehicles in Oslo and the commuter region**
- **75 000 EVs in Norway**
- **500 electrical vehicles in the municipal car fleet by 2015. Heading towards 1000.**

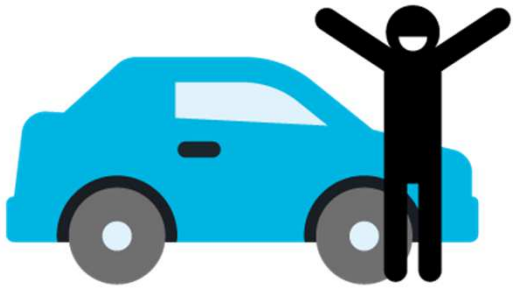
EV-ambassadors – for every happy EV-owner there will be three more.



From the norwegian EW-owner survey:
How many in your social sircle do you think you have inspired to buy an EV?

Source: The Norwegian EV Association

The EV positively surprised me



THE ELECTRIC CAR
POSITIVELY SURPRISED ME
91% AGREE

I OFTEN EXPERIENCE
RANGE ANXIETY
22% AGREE

The Norwegian EV owner survey 2015: How much do you agree or disagree?

Norwegian
EV Association

Why do people choose electric vehicles?

- 48 % of respondents states that economy is the most important reason for their choice of an EV
- 27% it is saving the environment
- For 12% it is saving time

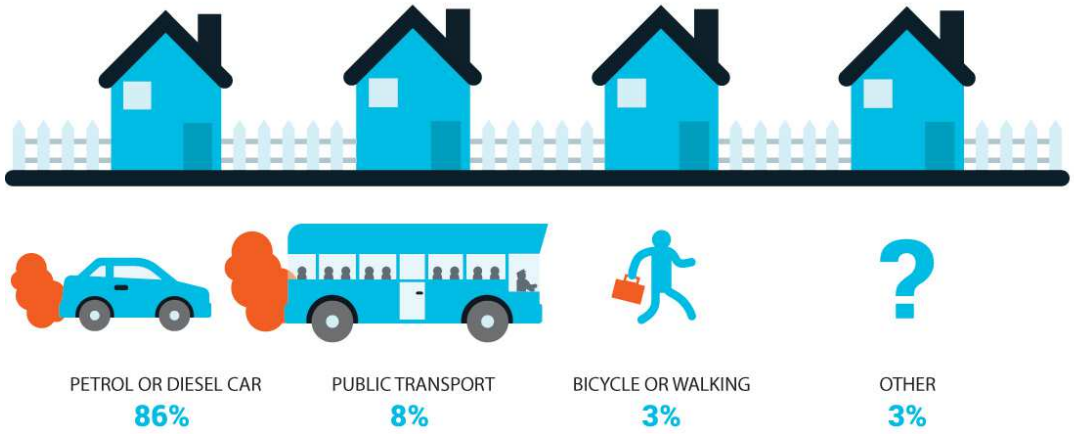
91% SAYS THEY ARE SATISFIED OR SUPERSATISFIED WITH THEIR EVs!

Source: The Norwegian EV Association 2015

How can you motivate politicians?

- Reduction of air pollution, ghg-reductions, less noise
- Reduced dependency of oil
- Fits well with new growing renewable energy, like wind and sun
- The EVs need start help but it can be payed by the polluting cars – like in Norway!
- The selection of EVs is growing big, they get better range and can cover different needs.
- The EV is not replacing public transport, walking and biking.

Electric cars replaces petrol an diesel cars, not bus and bicycle



The Norwegian EV owner survey 2015: How would you have traveled daily without an electric car?

Norwegian EV Association

Concluding remarks, lessons to be learned

So far so good, but we still want more EVs. We need more cities world-wide and nations to do the same.

We also need to speed up the green shifts for commercial vehicles; like light freight vehicles, heavy duty vehicles, taxies, buses, green car sharing, construction machinery etc.

This work has started, for instance trough the transformation of the buses to sustainable fuel such as biogas, hydrogen and electricity.

When the green choice is the best, in terms of economy, in terms of timeuse and, in terms of comfort and design, people will choose it! It is so simple, but so hard!

The future is electric..