

EV development in Norway

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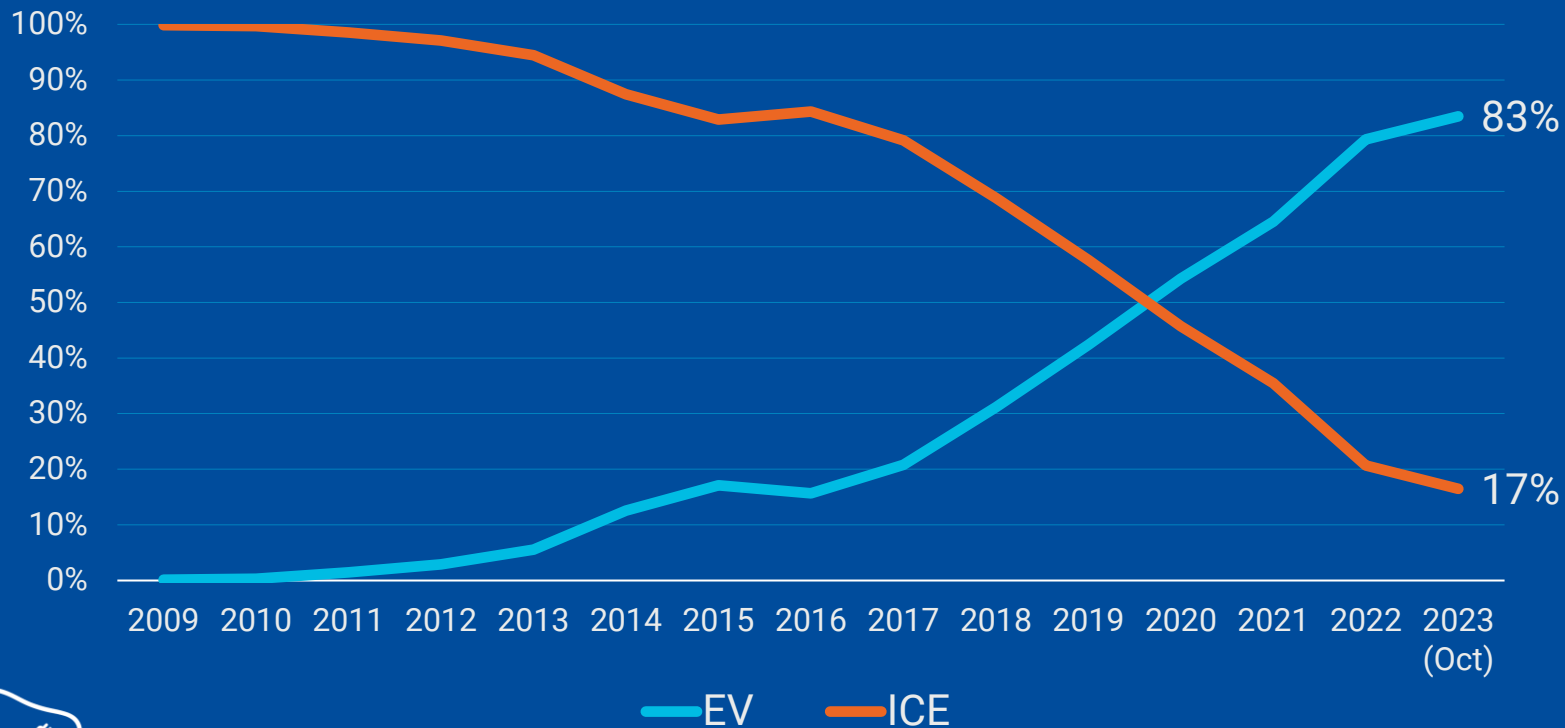
Norwegian EV Association

- Non-profit NGO
- Over 120,000 members (EV drivers)
- 55 employees

Our goal:
Electrify transport as fast as possible!



Norway new car sales



EV ICE

Source: OFV.no

Norway's 2025-goal

National Transport Plan 2018–2029:

“All new passenger cars and light vans sold in 2025 shall be zero-emission vehicles.”



Meld. St. 33

(2016–2017)

Melding til Stortinget

Nasjonal transportplan 2018–2029



Think and Buddy, an important beginning

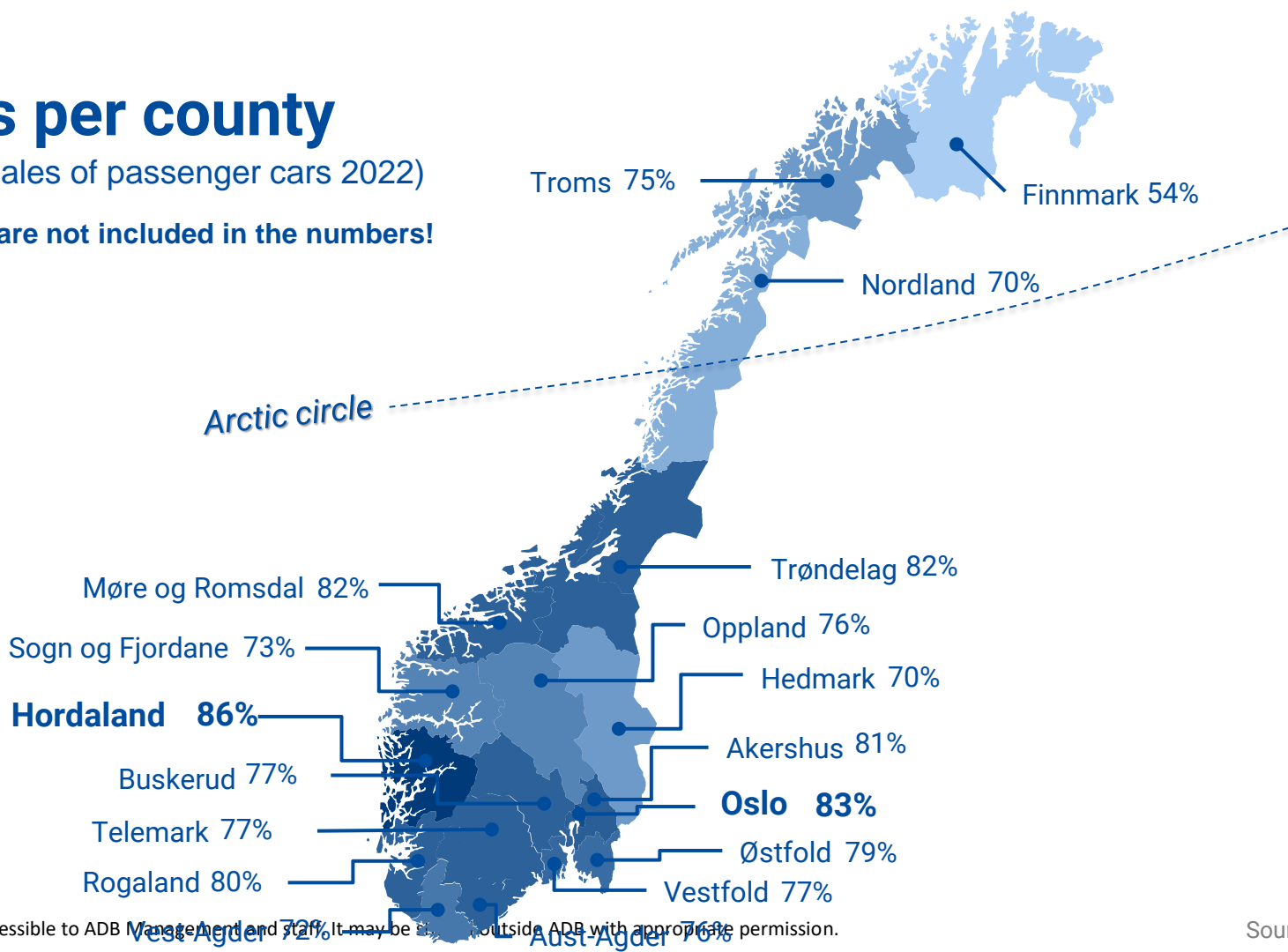




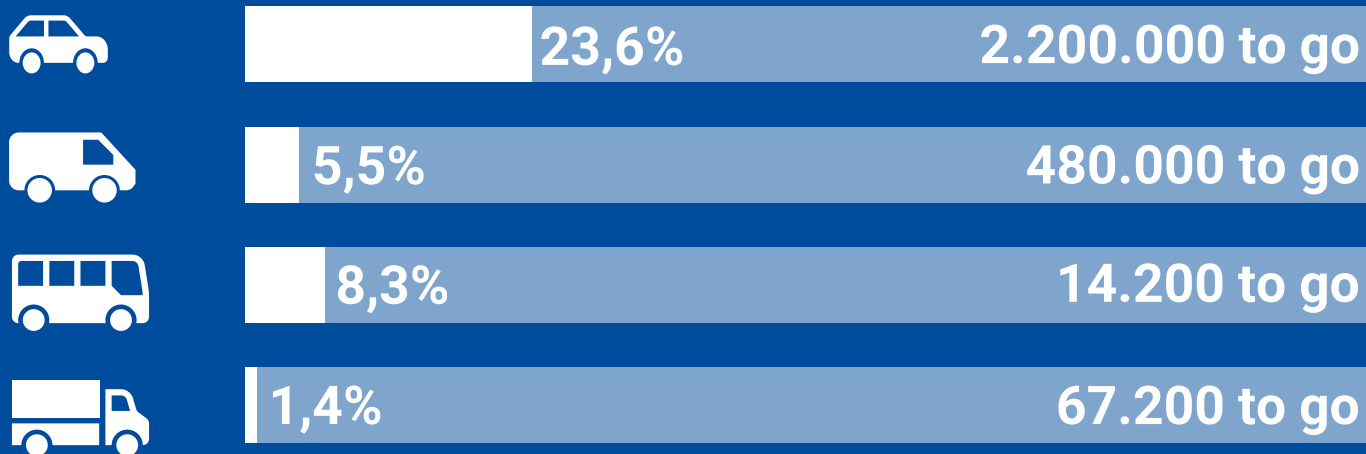
EV sales per county

(share of new sales of passenger cars 2022)

Plug-in hybrids are not included in the numbers!



Are we there yet?



How are we doing it?





Policy is key

Buying or leasing:

- No registration tax
- Zero VAT
- LCV support scheme

Using:

- Toll roads 0% to 50%
- Ferries 50%
- Discounted parking fees
- Access to bus lanes



Purchase taxes

- 25% VAT
- Registration tax based on CO2 and weight
- In 2022:
 - Average for cars with emissions: 10 250 USD
 - Higher for petrol/diesel, lower for plug in hybrids



Prop. 1 LS

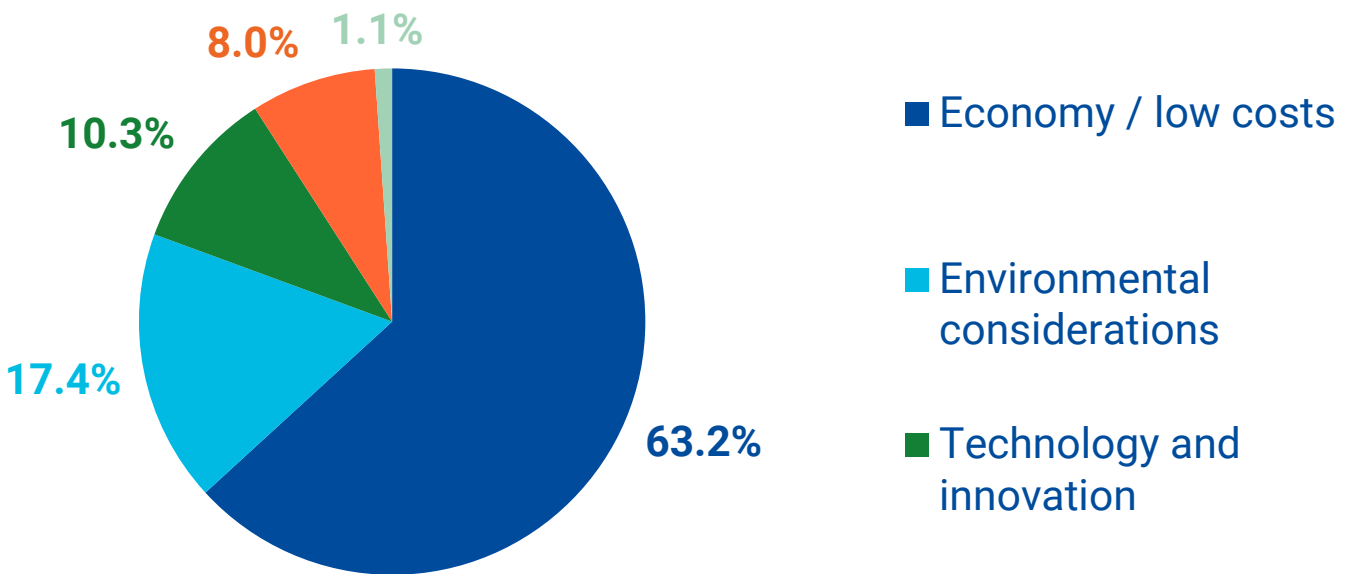
(2022–2023)

Proposisjon til Stortinget (forslag til lovvedtak og stortingsvedtak)

FOR BUDSJETTÅRET 2023

Skatter, avgifter og toll 2023

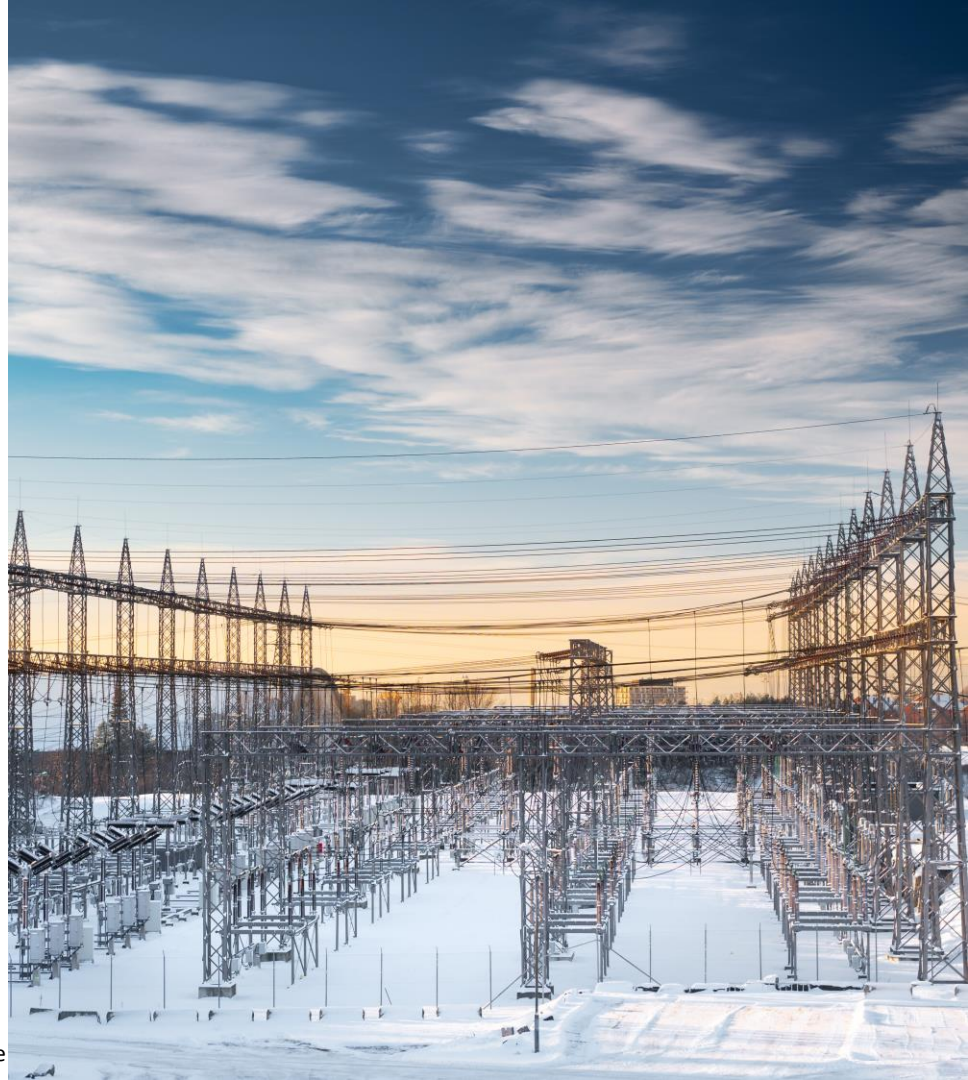
Which of these four were most important to you in your decision to start driving an EV?



Charging



INTERNAL! This information is accessible to ADB Management and staff. It may be shared outside

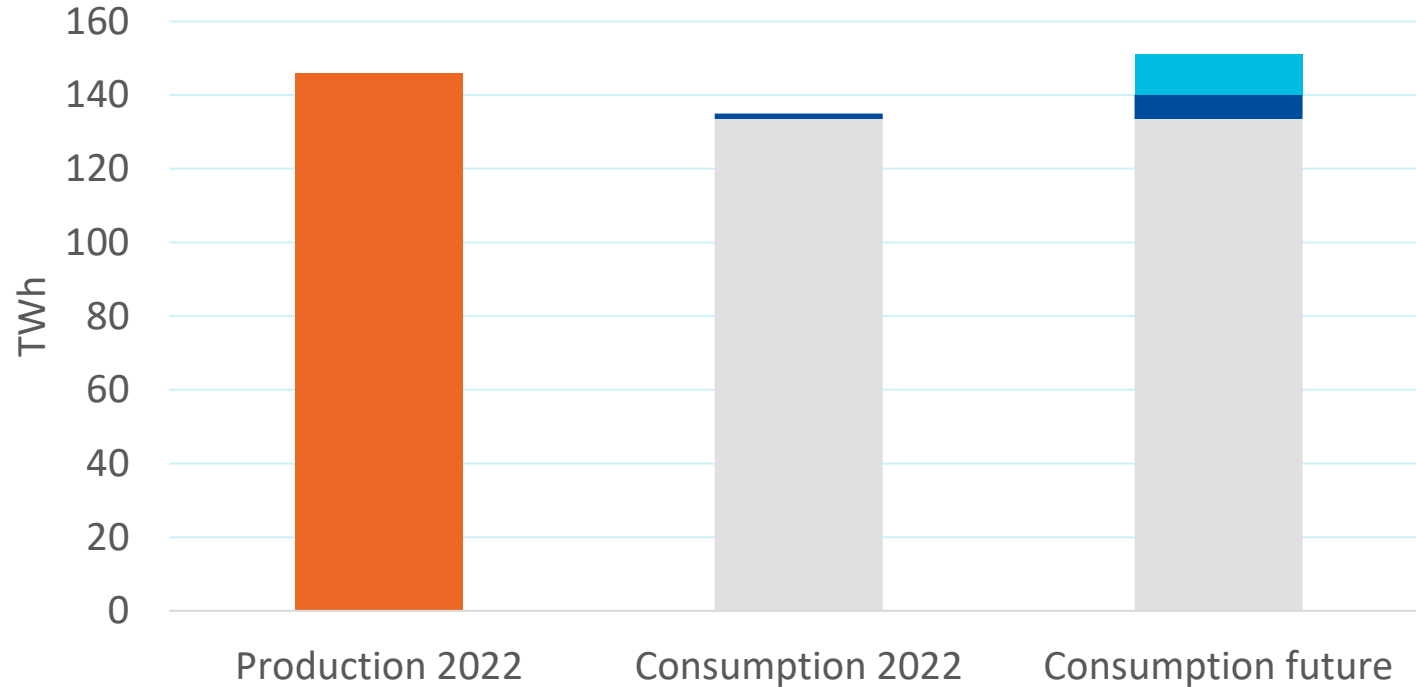


Fast charging network

- Initial public support to private companies, mostly done by 2017
- Total support 350 mill NOK (32 mill USD)
- Fast charging stations every 50 km on all main roads (7 500 km)
- Commercial success after 2017



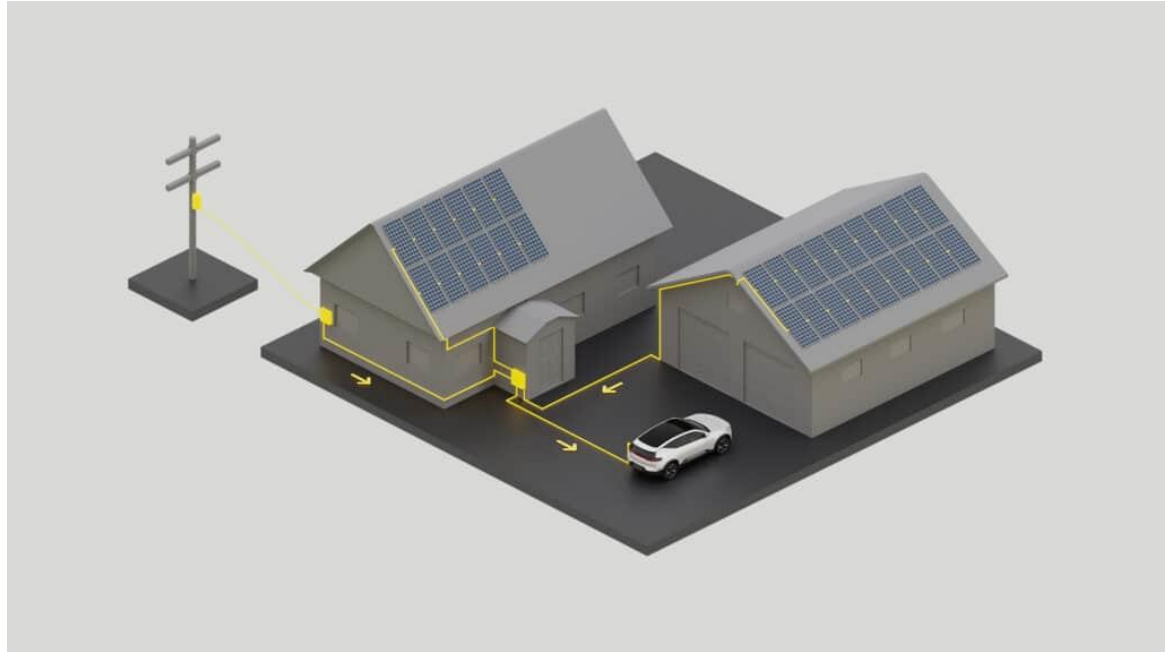
Norway's electricity market



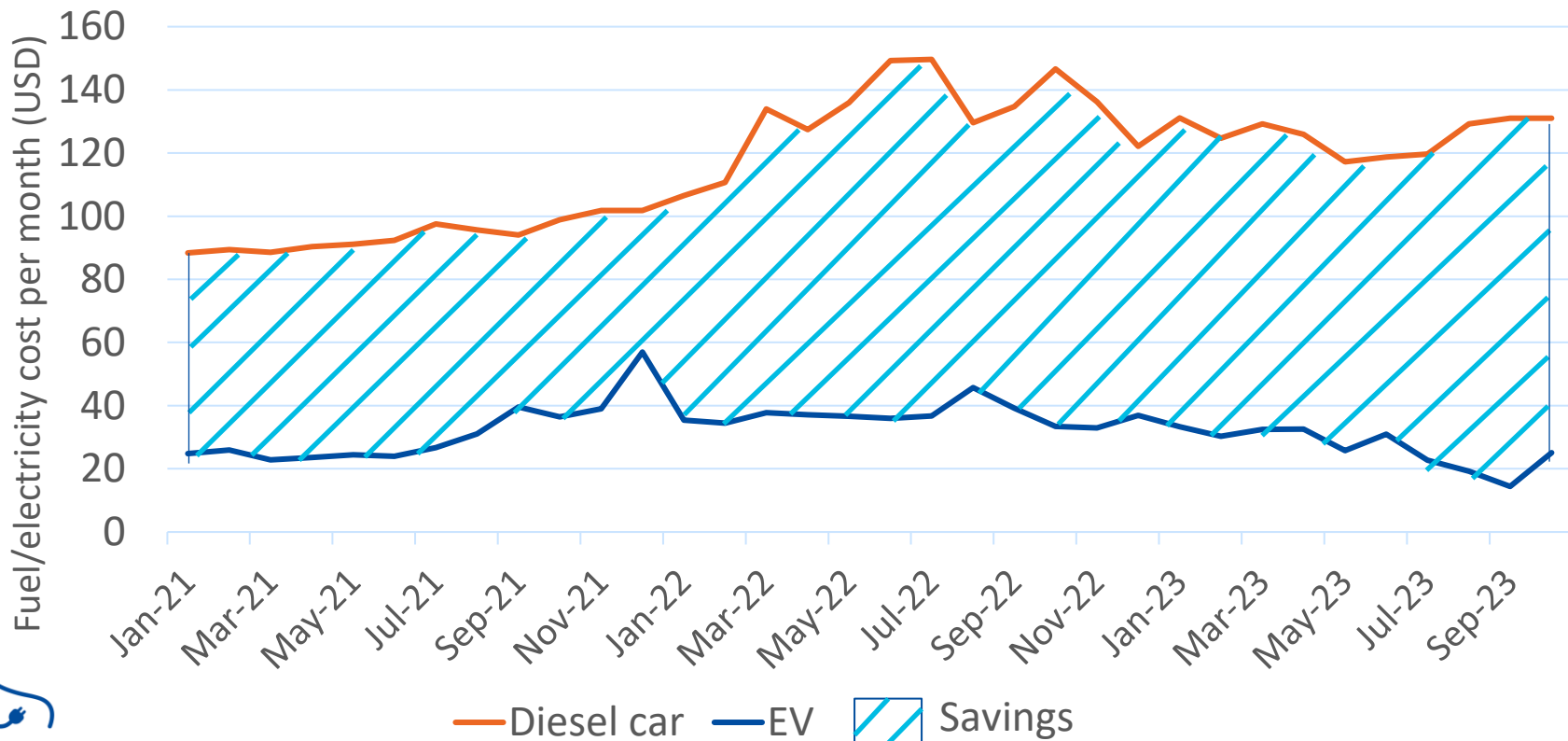
■ Production ■ Other consumption ■ Passenger cars ■ LCV and Heavy duty

Smart charging opportunities

- Dynamic charging
- Grid balancing?
- Electricity backup?



Monthly expenses – Diesel car vs. EV



Motor vehicles per 1000 people

CAREC countries

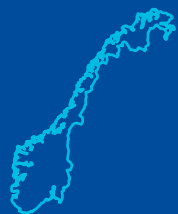
	Population (mill)	Motor vehicles per 1000 people
Georgia	4,0	281
Kyrgyzstan	6,5	223
China	1 439,3	214
Kazakhstan	18,8	207
Azerbaijan	10,1	124
Turkmenistan	6,0	107
Uzbekistan	33,5	98
Mongolia	3,3	71
Afghanistan	38,9	47
Tajikistan	9,5	38
Pakistan	220,9	26

Selected other countries

	Population (mill)	Motor vehicles per 1000 people
United States	331,0	816
Poland	37,8	642
Japan	126,5	590
Germany	83,8	574
Norway	5,4	522
Russia	145,9	388
Brazil	212,6	298
Colombia	50,9	126
Egypt	102,3	109
Nigeria	206,1	64
India	1 380,0	44



From 2% to 10% market share



Norway



UK



Germany



Thank you!

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