

hedmark trafikk



Zero Emission Conference

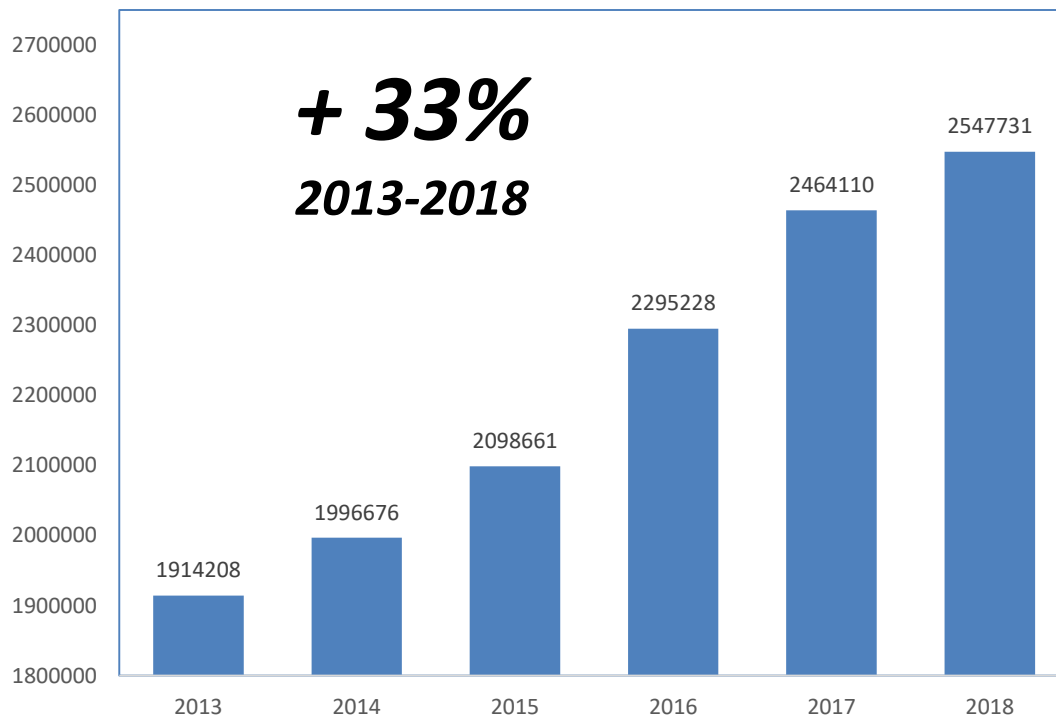
Oslo 28 August 2019

Arne Fredheim/MD

Key facts 2018

- 7 000 000 Travelers in total (school transport included)
- 275 buses in daily operation
- 250 small vehicles (minibus/taxi)
- 10,2 mill. route kilometres
- 4200 facilitated transport users

Ordinary Travelers



Vision - The smart choice of travel



390.000 bus departures
1.725 daily departures
3.184 stops

Zero Emission Buses - from 1. of July 2020 in Hamar-region



Kurskyl under de gamle buskene opp i Rusland eller Afrika. Eller som rullebussar. Men ikke i ordrett naturfikk i Oslo og Akershus. I mellomtiden blir de stående på busstoppet på Rosenhoffen
Brosjøen, den rene busstoppet. FOTO: ALLE ROLF SIMSEN

- Velkommen til busskirkegården

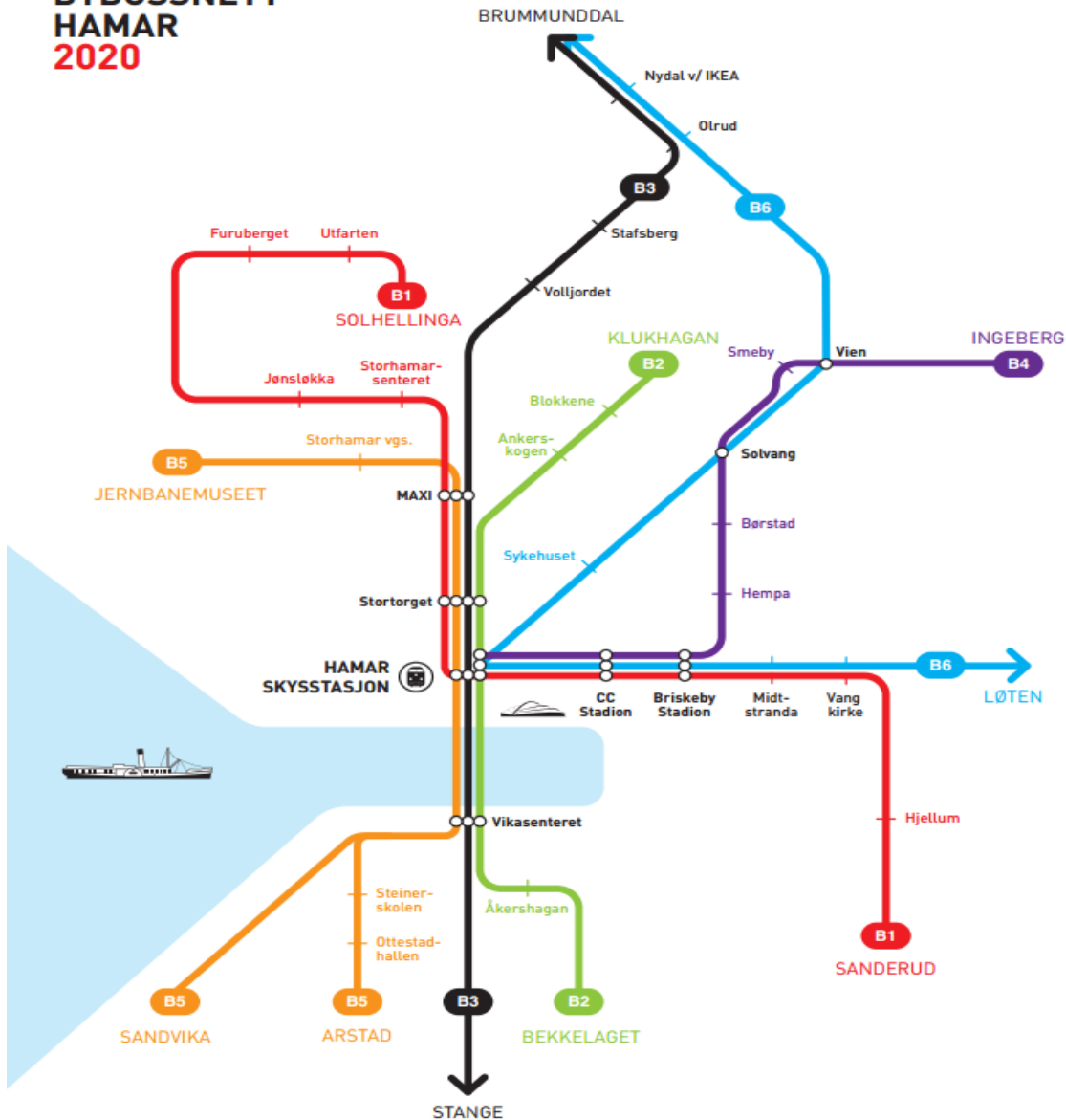
Her står over 50 fullt kjørbare busser, parkert for godt.

- **20 full-electric buses (reserves included)**
 - Depot charging only
- **20 new region buses/long distance buses (Euro 6)**
- **5 new Minibuses (Euro 6)**
- **70 used buses - Euro 5 (mainly for school transport)**
- **100% HVO diesel on all region buses/long distance buses**
- **Operator: Vy Buss AS**

Tender evaluation:

Price:	50 %
Environment:	30 %
Quality:	20 %

BYBUSSNETT HAMAR 2020



- More direct and efficient lines from July 2020
- Zero-emission buses on line:
 - B1
 - B2
 - B4
 - B5
- Requires 18 buses due to depot charging

Effects

- **Climate:**
 - **reduction of 1313 CO₂-ekv. (tonnes/year)**
 - i.e. a reduction **44,2%**
 - i.e. **75 %** reduction in direct emissions
- **Noise:**
 - **Significant reduction**
- **And:**
 - Increased no. of “rute km”
 - Reduced “tomkjøring”
- **Svanemerket “buswash”:**
 - Reduces the emissions of Zink, Cadium, Led, Oil etc up to **90%**
 - **Reduces the use of water with 60-75%**

Background/Objectives

NTP 2018-2029: All new city buses shall be zero emission vehicles after 2025.

70% of new long-distance buses shall be zero-emission vehicles by 2030.

Regional Plan Strategy 2016-2020: A climate-neutral Hedmark in 2030.

More environmentally friendly transport (...)

County Council's declaration of cooperation (2015): Zero emission in the county of Hedmark by 2025

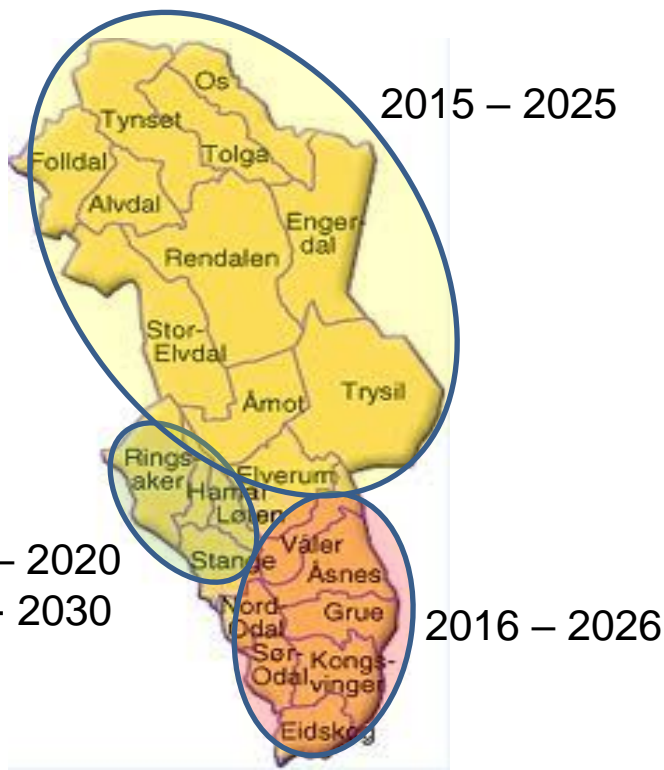
Board resolution HET case 4/16 (8.2.2016)

Future choice of bus technology and renewable fuels: Electric buses one of three recommended bus technologies from 2020.



How to reach «zero emission» objectives by 2030

- 18 city buses in Hamar 100 % zero emission from July 2020
 - New contract in Hamar region from 2030...
- New contract in the Elverum region from 2025.....
- New contract in the Kongsvinger region from 2026.....





And now Hedmark Trafikk is about to
merge with Opplandstrafikk and
become
INNLANDSTRAFIKK (01.01 2020)

Thank you for your attention

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