



Norwegian
Environment
Agency

Norwegian national approaches in reducing emissions from off-road equipment

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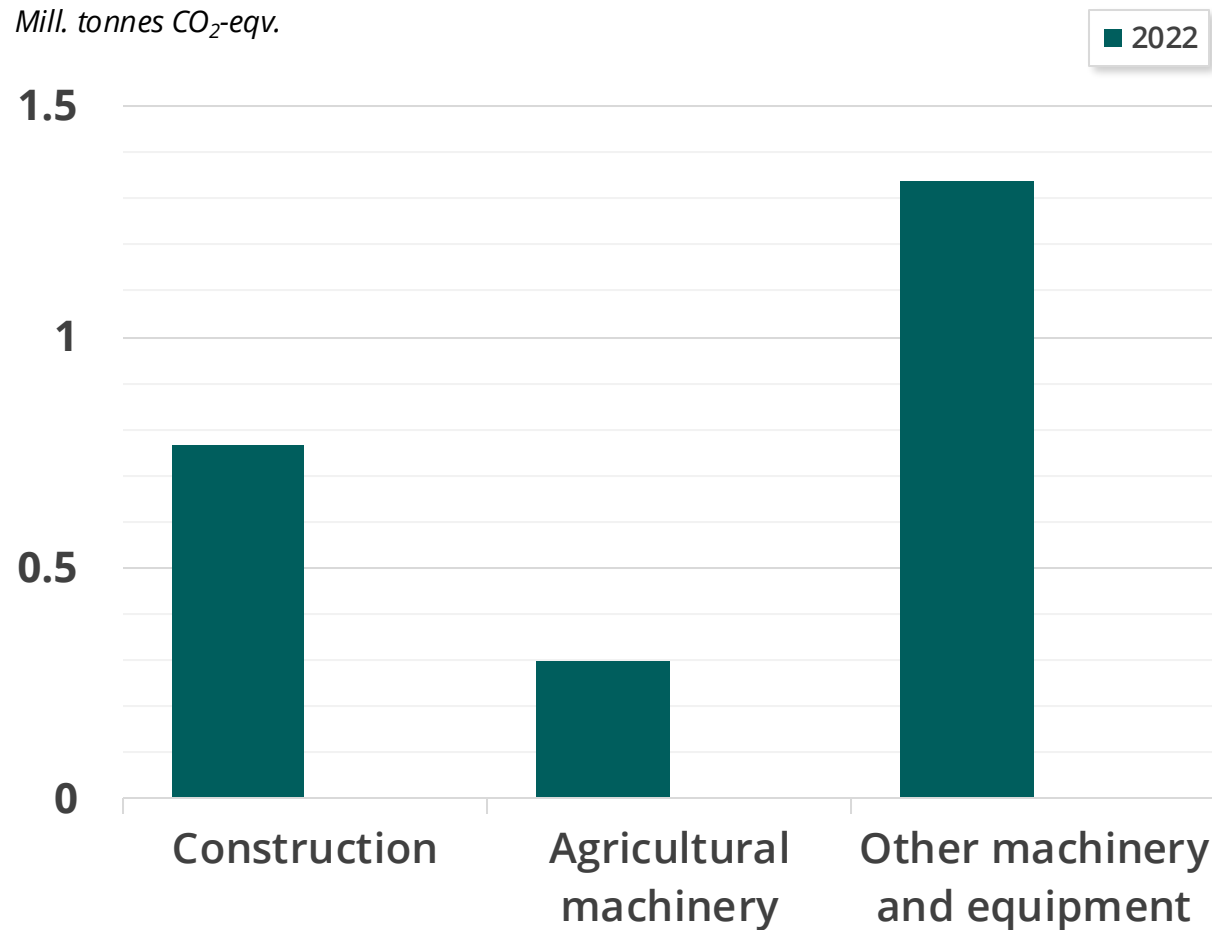
This is us

- Agency under the Ministry of Climate and Environment
- We give advice on the development of climate policy
- Perform mitigation analysis
 - Analyse possible mitigation measures, barriers and policy instruments that can reduce Norway's emissions
- Perform impact assessments of specific policy instruments

Photo: Klaudia Lech



5 % of Norway's emissions are from off-road equipment



- Machinery used in construction make up a significant share
- Public sector constitutes up to 70 % of construction machinery emissions



Construction machinery emissions

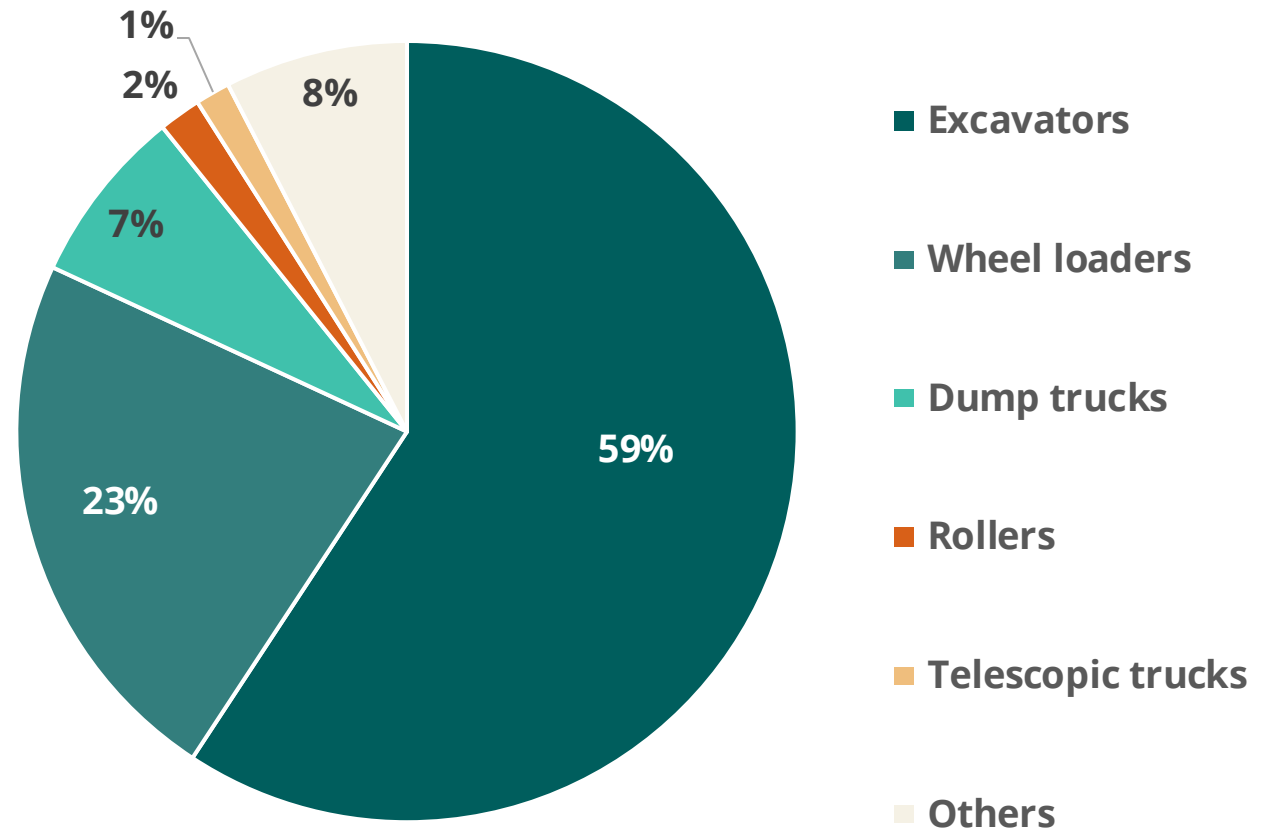
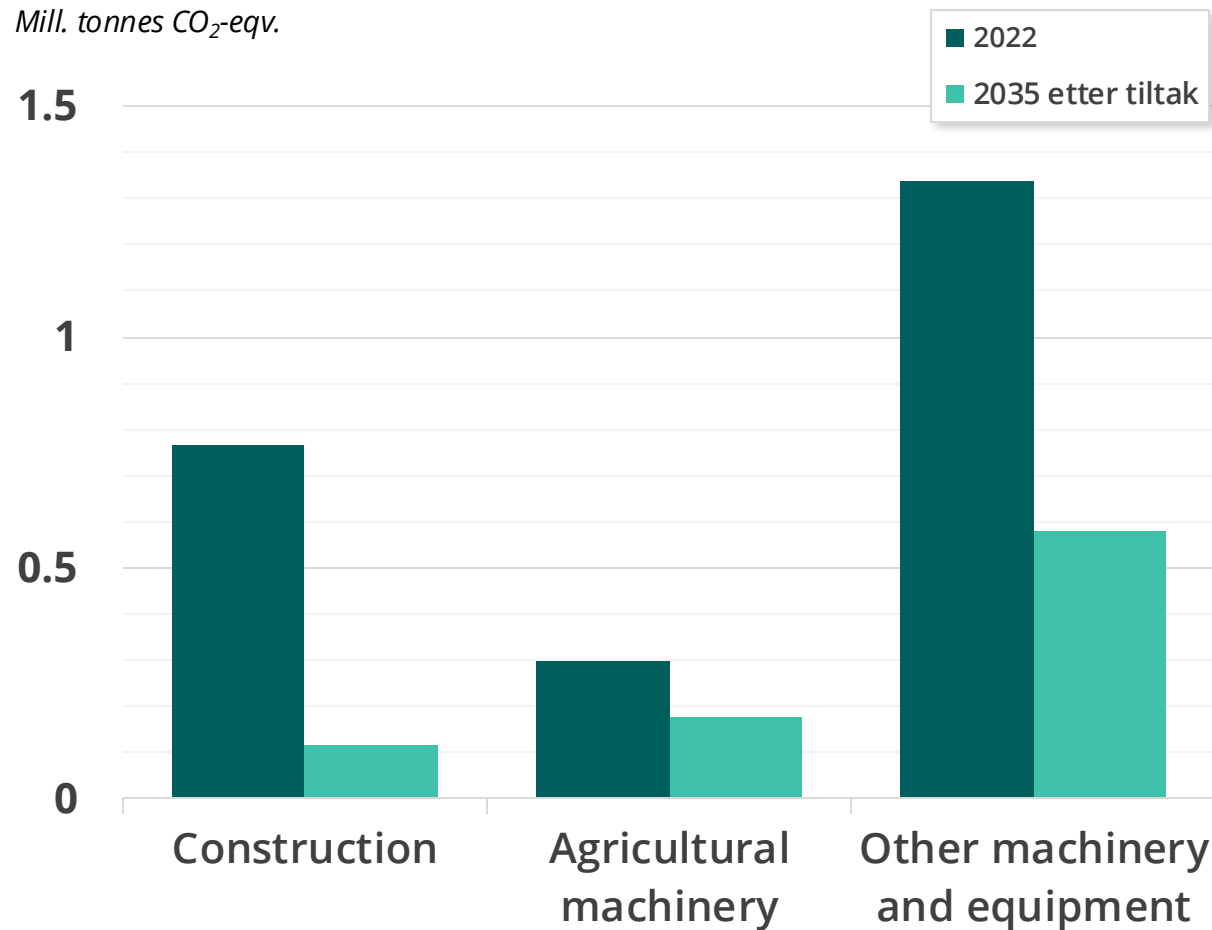


Photo: Svein Magne Fredriksen



Deep emissions cuts are possible by 2035



Mitigation measures:

- Improved logistics and efficiency in construction projects
- All new purchases of machinery for construction sites are zero emission in 2030
- Electrification of agricultural machinery
- 70 % of new off-road mobile machinery purchases are zero emission in 2030



Main barriers for zero emission machinery

- High investment cost
- Cost of charging infrastructure
- Limited access to zero emission machinery / technological immaturity
- Access to power, both electrical infrastructure and sufficient capacity



Existing national policy measures

- Financial support schemes
 - Investment in new machinery
 - Support for municipalities for procurement/use of zero emission machinery
- Public sector procurement
 - Environmental concerns must be weighted 30 %
- Prohibited to use mineral oil for heating and drying on construction sites for buildings
- CO₂-tax on diesel
- Biofuel mandate of 10%

Policy measures under development

- **Prohibit** the use of fossil gas for heating and drying on construction sites for buildings
- To **give municipalities authority to demand zero emission** on construction sites in their municipalities
- **Regulation of public procurement** – obligatory to use zero emission equipment in all public procurement of construction sites
- **Prohibit** the use of fossil fuels on all construction sites / **ban on the sale** of new fossil fuel construction machines from 2035





Other possible policy measures

- Continued financial support, also for charging infrastructure
- Zero emission zones
- Awarding transport reduction and energy efficiency in public procurement of construction sites

Photo: Aase Marie Lund Evensen





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