

Packaging waste in Norway

Framework for EPR and impacts of new regulations

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Today's topics

- **Looking back: Framework for EPR and Norwegian waste regulations**
 - Role of the municipalities
 - Role of the EPR companies
 - Implementing PPWD through voluntary agreements
- **Collection and recycling**
 - Sorting facilities
 - Energy recovery vs. recycling
 - Needs in the future
- **New regulation for packaging waste in Norway**
 - Competition and new elements
 - National regulation, but still challenges
 - WEEE regulation in mind

First: Scope of packaging in Norway



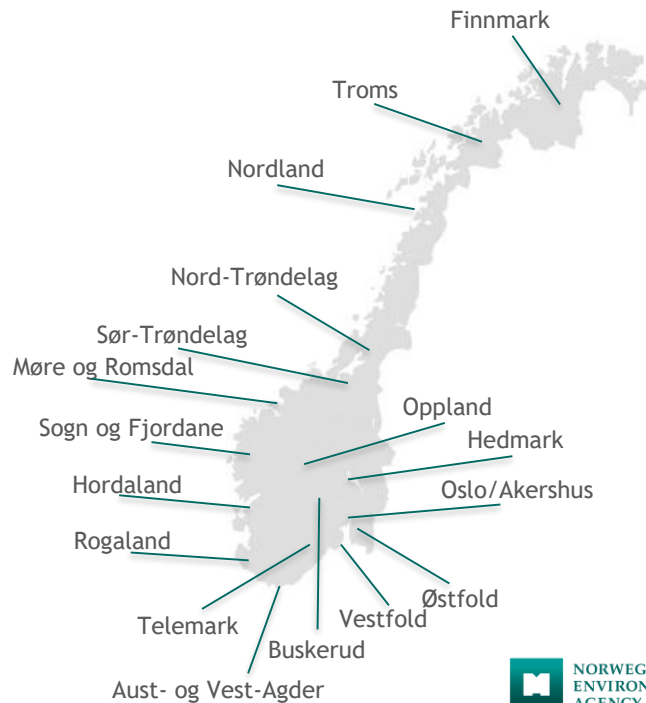
Looking back: Framework for EPR and Norwegian waste regulations

Norwegian municipalities

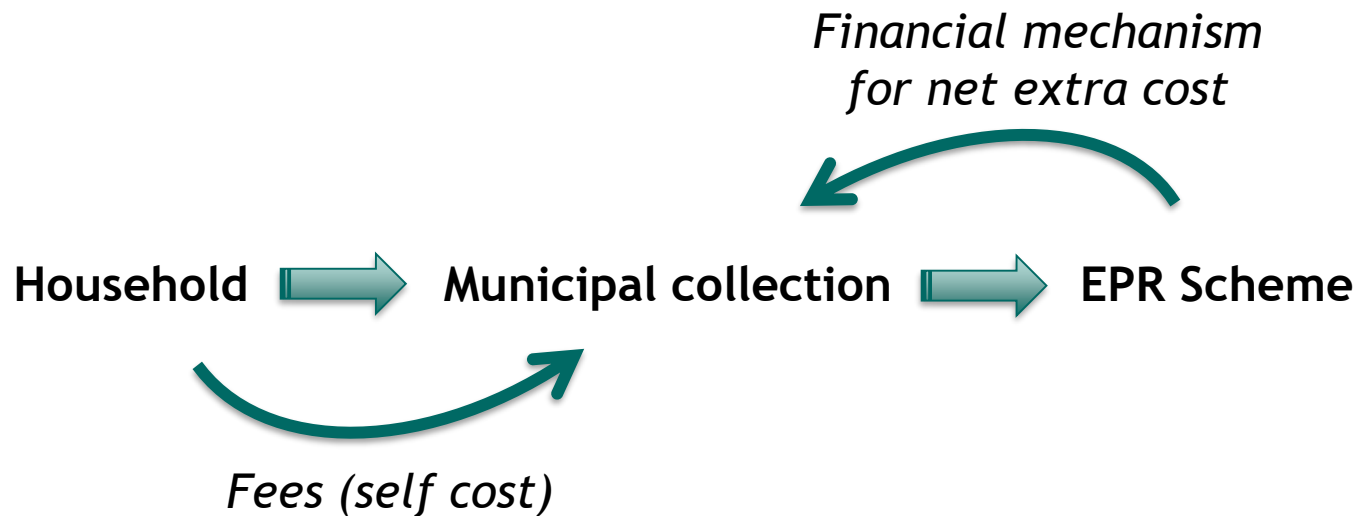
- Responsible for the collection and treatment of household waste
- Finance the costs through fees paid by the households (self-cost)
- Competing on commercial waste, but must keep commercial waste financial separated from household waste
- Often organized as inter-municipal companies (cooperations)
- Large degree of freedom on issues like source separation
- Agreements and cooperation with EPR schemes is necessary

The 18 County Governors

- Constitute the Regional State Government
- Giving permits to and supervision of
 - Waste sorting plants and operators
 - Landfills
 - Waste incineration plants
 - Biological treatment plants
- Guide the municipalities



The EPR companies/schemes



The EPR companies/schemes



- Collection by municipalities and private companies
- No competition with collectors
- Relies on agreements with municipalities and private collectors
- EPR schemes on packaging waste in Norway today: Plastics, glass, metals, paper/board - **not** wood.

PPWD in Norway



- Partly implemented through voluntary agreements between the Ministry of Climate and Environment and the industry from 1992
- One EPR Scheme per fraction
- Agreements have established a successful management of packaging waste in Norway

Results reported to Eurostat (2015)

Type of packaging	Recycling rate (%)
Glass	87
Plastics	37
Paper and board	82
Metals	81
Wood (estimated)	8

Collection and recycling

Recent trends

- Landfill ban in 2009
- Municipalities invested in energy recovery facilities
 - Increase in energy recovery
 - Competition with Swedish plants and increased exports
- Need for more recycling of municipal waste
- New investments in sorting technology is important to reach ambitious EU targets

Sorting technology in development



Photo: Kunnskapsbyen Lillestrøm

- 4 existing/planned advanced sorting plants in Norway today
- Output from RoAF plant outside Oslo is 7 plastic fractions from mixed municipal waste

New regulation for packaging waste in Norway

Overview

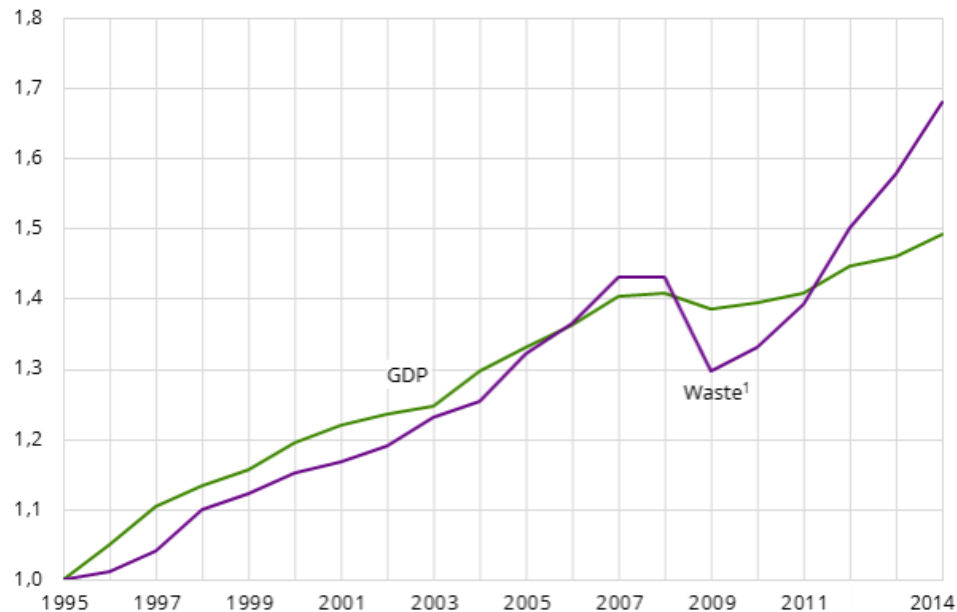
Laws	Regulations	Financial instruments	EPR
The Pollution Control Act	The Waste Regulation	Tax on final treatment of waste (abolished)	Waste electronics
The Product Control Act		Tax on beverage packaging	ELV
		Tax and deposit on ELV	Batteries
		Tax and deposit on lubricating oils	Packaging
			Tires
			PCB containing insulation glass

This is new (proposal)

- Producers of more than 1000 kg packaging are required to become members of a EPR Scheme/company
- EPR Schemes (companies) need approval from the Norwegian Environment Agency
- EPR Schemes should be nation-wide, non-profit and promote recycling following set targets
- New regulation replaces voluntary agreements
- Governmental supervision of EPR Schemes

Minimization of packaging waste?

”The growth in the quantity of waste generated shall be considerably lower than the rate of economic growth”



¹ Contaminated soil and stones are excluded.
Source: Statistics Norway.

The future for packaging waste in Norway

- Norwegian Waste Regulation is a framework for successful EPR schemes on packaging waste
- Cooperation and mutual dependency between EPR Schemes and municipalities important
- EPR Scheme for wood packaging following new regulation
- EU targets are binding and lead way for new measures
- Still challenges related to POM and clearing



Thank you for
your attention

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