



JUNE 8-11

2020 SUMMIT

A Virtual Leadership Symposium

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U.S. DEPARTMENT OF
ENERGY



Best of the Betters: 2020 Better Project and Better Practice Presentations

Wednesday, June 10
11:00 am-12:30 pm ET



Bert Hill

Volvo Group North America

Submit Questions
www.slido.com event code **#bbsummit**
then go to room **“Best of the Betters”**

Landfill Free Directive and Certification Process



Bert Hill
2020 Better Buildings Better Plants Summit

Volvo Group



We employ some **100,000 PEOPLE**,
have production facilities in **18 COUNTRIES**
and sell our products in more than **190 MARKETS.**

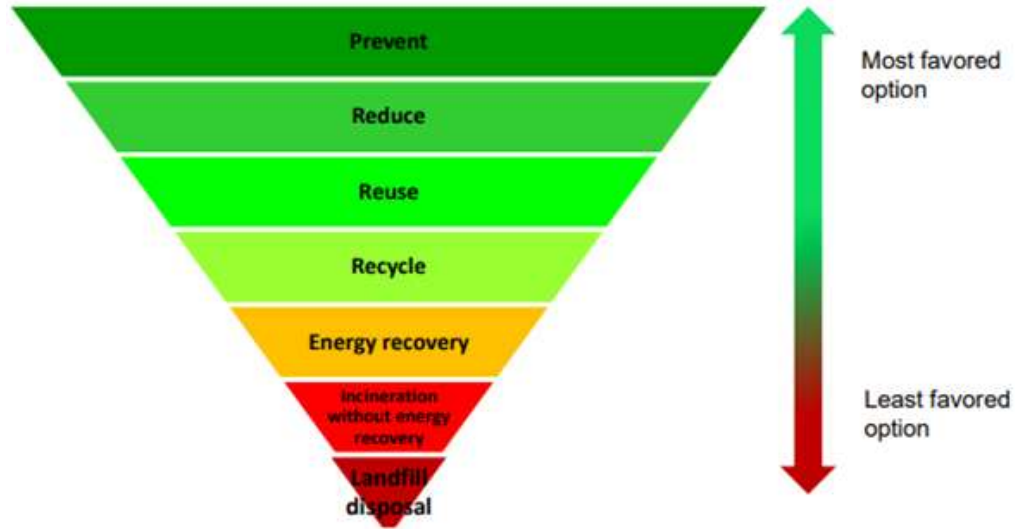


OUR MISSION

Driving prosperity through transport solutions

Modern logistics is a prerequisite for our economic welfare: transport helps combat poverty. Transport is not an end in itself, but rather a means allowing people to access what they need, economically and socially.

The Waste Hierarchy



Waste Prevention and Reduction Initiatives

- Studies to determine the amount and types of packaging delivered with major components to identify reduction opportunities;
- Returnable/Reusable Volvo Emballage
- Plant-level initiatives focused on recycling/composting infrastructure, signage, employee training, technical support and waste audits to facilitate waste reduction, reuse and recycling;
- Benchmarking with peer companies in the manufacturing industry to identify best practices in corporate waste management, with a particular focus on reducing long-term liability;
- Creation of a national account with a single waste vendor to reduce the number of different facilities that receive the final waste fraction that cannot be re-used or recycled;
- Creation of a Volvo Group **Landfill Free Facilities – Operational Waste Directive and landfill free certification process.**



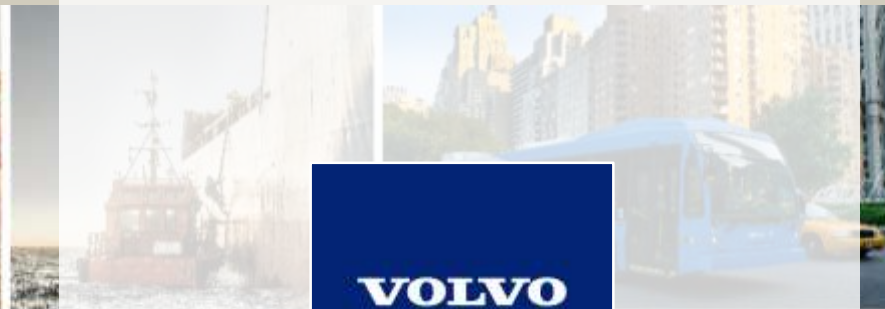
Landfill free certification process

- **Landfill Free Footprint** – Documentation and mapping of all waste types.
- **Active Waste Reduction, Reuse and Recycling Program** – Program implemented and maintained, using the waste management hierarchy as a basis for decision-making.
- **Sustained Landfill Free Program** – Volvo Landfill Free definition has been met for a minimum of 12 months. Landfill alternatives include source reduction, reuse, recycling, energy recovery, incineration and fuel blending.
- **Reuse and Recycling Assurance** - Where waste is provided to a business to be reused or recycled off-site, any residue or waste fraction that cannot be reused or recycled and must be landfilled must not exceed 1%.

Results

- Four manufacturing plants in the U.S. have achieved Landfill Free Certification: New River Valley, Middletown, Lehigh Valley Operations, Volvo CE Shippensburg
- Three additional U.S. manufacturing/distribution facilities are within the 12-month evaluation period for certification.
- In 2019, only 6% of the waste from Volvo Group North America facilities was landfilled; 78% of operational waste was recycled.
- Middletown/Charlotte Remanufacturing and DEX Heavy Duty Parts complete the circle in the Circular Economy.





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Thank You!