



Maryland
Green Registry
MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

Volvo Group Trucks



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Manufacturing
Member since April 2014

Management and Leadership

Environmental Policy Statement

<https://www.volvogroup.com/content/dam/volvo-group/markets/master/about-us/company-values/code-of-conduct-other-policies/English-Environment-I-Policy-PROOF.pdf>

Environmental Team

Our Environmental, Energy & Sustainability team is led by our Environmental, Energy & Sustainability Manager, Mark Pannell and supported by Environmental, Energy & Sustainability Engineer, Dee Spolarics. The team includes cross-functional resources. Our mission is to focus on the Volvo Group Environmental Care vision – characterized by a holistic view, technical development, continual improvement, and resource efficiency.

Annual Environmental Goals

Volvo Group Trucks in Hagerstown is part of the Department of Energy - Better Plants Challenge Program. Our initial commitment of 25% energy efficiency improvement by the end of 2020 was achieved five years early in 2015. This was followed by an additional pledge of 25% energy efficiency improvement by the end of 2025, which was achieved in 2023. The company plans to repledge again.

Volvo Group Trucks in Hagerstown received our Superior Energy Performance – Platinum certification in 2014 and again in 2017, 2020, and 2023. This is a combined ISO 50001 / ANSI/MSE 50021 certification for an Energy Management System (EnMS).

Volvo Group Trucks in Hagerstown has set Key Performance Indicators (KPIs) to achieve improvements in Waste reduction, Energy consumption, Water consumption, and CO₂ emissions.

Environmentally Preferable Products and Services

Volvo Group Trucks in Hagerstown develops and produces the cleanest heavy-duty diesel engine in the world. We were the first engine manufacturer to be 2010-certified by the EPA and the California Air Resources Board (CARB). Today, our engines focus on climate change, targeting Carbon Dioxide (CO₂), Nitrous Oxide (N₂O), and Methane (CH₄) with CO₂ reduction being the predominant objective. Meanwhile, the engines we produce are creating value for our customer by providing even greater fuel efficiency than anticipated.

Environmentally Preferable Purchasing

Volvo Group Trucks in Hagerstown utilizes reusable/returnable shipping containers for component and unit transports.

Environmental Management System (EMS)

Volvo Group Trucks in Hagerstown is ISO 14001 certified. Additionally, the site is ISO 50001 Certified (Energy Management System) and has received elevated recognition of Platinum for DOE's Superior Energy Program (SEP) four consecutive times.

Aspirational or Long-Term Environmental Goals

Volvo Group committed to a pathway towards a Volvo Group net-zero value chain greenhouse gas emissions by 2050 as part of the Science Based Targets initiative (SBTi). Our target is to reach this by 2040, ten years earlier than the Science Based Targets initiative (SBTi) commitment, and ultimately make Volvo Group carbon neutral.

Waste

Solid Waste Reduction and Reuse

Volvo Group Trucks Hagerstown not only focuses on enhanced recycling, but also reducing waste overall by utilizing returnable packaging where possible. Waste that cannot be recycled efficiently is sent to Waste-To-Energy facilities, diverting all production waste from the landfill.

Recycling

2023 Recycled materials and quantities:

Metal: 3,081 tons

Cardboard: 449 tons

Recycled Pallets and Wood: 884 tons

Universal Waste: 3.12 tons

E-waste: 2.48 tons

Used Oil: 4,425 gallons

Recycled Totes and Drums: 6.15 tons

Energy

Energy Efficiency

Volvo Group Trucks in Hagerstown continues to implement a variety of projects to reduce energy and CO₂ emissions:

- 1. Lighting System Retrofits: Over 10 million kWh conserved*
- 2. Crankshaft Grinder replacements: 1.16 million kWh conserved*
- 3. Flange Grinder replacement: 190,000 kWh conserved*
- 4. Regenerative dynamometers utilization: 2.2 million kWh conserved*
- 5. Condenser Pump VFD upgrade: 1.15 million kWh conserved*
- 6. Crankshaft Induction Hardening Unit Upgrade: 636,000 kWh conserved*
- 7. Crankshaft Mill Replacement: 349,000 kWh conserved*
- 8. Boiler Efficiency Increase – 75 MT CO₂ Reduced*
- 9. North Wall Window Pane Replacement – 10 MT Reduced*
- 10. RTU Replacement to VRV – 26 MT Reduced*
- 11. Double Overhead Dock Doors – 26 MT Reduced*
- 12. Renewable Diesel for Production Engine Testing: 1,152 MT CO₂ reduced*

Renewable Energy

Since 2019, Volvo Group Trucks Hagerstown has been purchasing renewable energy certificates (RECs) for all the electricity used on-site since 2019. Additionally, there are two solar installations on-site which generate about 14% of the electricity used site-wide:

- *1.32 MW Solar Canopy installed in 2015.*
- *2.2 MW Solar Farm installed 2016.*

Transportation

Efficient Business Travel

Volvo Group Trucks in Hagerstown utilizes Microsoft Teams for video/audio conference calls and presentations to reduce the amount of international and domestic travel.

Profile Updated April 2024



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at green.maryland.gov

