

Climate Action Plans Driving Logistics Decarbonization

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Increasingly volatile weather conditions and better visibility of cryosphere loss and sea level rise are driving concerns about climate change. Recognition that global warming is happening, at record highs and climbing, is affecting consumer choice, corporate talent pools, and the investor community. It is also affecting how corporations think about the supply chain and the resilience and costs thereof. As such, corporations are setting ambitious targets for emissions reductions. For their road logistics suppliers, these targets mean a strong push toward zero-emissions vehicles such as battery EV (BEV) or fuel cell trucks and zero or low carbon fuels such as renewable electricity, biomethane, and other biofuels. Many of these solutions are immature and complicated to deploy, but leading suppliers are finding innovative ways to deploy and use these technologies. Slower-to-act suppliers risk losing business to innovative suppliers or more emissions-efficient modes, such as rail.

Context

This report covers the following:

- Corporations are moving toward climate action planning and supply chain decarbonization.
- It is time to explore reducing road fleet emissions through new zero-emissions solutions.
- The potential for emissions reductions through legacy road fleet changes.
- Switching logistic provider modes produces immediate, significant emissions reductions.

Recommendations

Guidehouse Insights recommends the following:

- Increase visibility of fleet emissions performance data.
- Inventory local biofuel options and identify untapped biofuel feedstocks.
- Make plans for an all-electric fleet.
- Invest gradually and share costs with stakeholders.

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