

Stanley Black & Decker Uses SmartWay Tools to Reduce Freight Footprint

Company Profile

Stanley Black & Decker, an S&P

500 company, is a diversified global provider of hand tools, power tools and related accessories, mechanical access solutions and electronic security solutions, healthcare solutions, engineered fastening systems, and more. Learn more at www.stanleyblackanddecker.com.

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StanleyBlack&Decker

Why Stanley Black & Decker Joined SmartWay

"Our success in measuring, and then shaving, energy demand and resultant Scope 1 and Scope 2 emissions associated with our brick-and-mortar operations has allowed us to apply the same productivity lens to reducing Scope 3 tailpipe emissions from vehicles that transport our finished goods and our employees. Our SmartWay Transport Partnership is the most well established of our Scope 3 emissions reduction initiatives and has stimulated parallel efforts around the globe."

Deborah Patterson, Vice President of Environment, Health, and Safety, Stanley Black & Decker

Stanley Black & Decker 2010-2011 SmartWay Emissions Factor Scope 3 CO₂ Emissions

2010		2011			
MODE	E-FACTOR (CO ₂ G/M)	CO ₂ (CO ₂ TONS/YR)	MODE	E-FACTOR (CO ₂ G/M)	CO ₂ (CO ₂ TONS/YR)
Truck	1946	596,921	Truck	1730	493,038
Multi-modal	1623	49,212	Multi-modal	1706	20,677
Logistics	1968	19,480	Logistics	2007	16,074
TOTAL		665,613	TOTAL		529,789

SmartWay Focus

Stanley Black & Decker was introduced to the SmartWay program by Solutions Engineers at Menlo Worldwide Logistics and has been a SmartWay Partner since 2009. Our percentage of miles driven by EPA Transport Partners has increased from 78% in 2009 to 93% in 2011. The SmartWay emissions factor of our truckloads has decreased 11% from 2010 to 2011, reflecting increased fuel efficiency across our fleet, including the addition of high performing SmartWay carriers. The environmental footprint of our North America transportation (Scope 3 emissions) decreased by 135,824 tons of CO₂e from 2010 to 2011, a 20% reduction. 117 SmartWay carriers transported SBD finished goods nearly 257 million miles in 2011.

Benefits & Results

Our SmartWay Transport Partnership is one of several ongoing initiatives to shave our energy demand, increase our efficiency, and reduce the environmental load of our logistics and distribution network.

Modal Shifts and Shortened Routes - Efficiencies to Reduce the Footprint of Our Transportation Network

SBD European transportation staff pioneered the transition from truck-to-rail and truck-to-barge for the regional transport of inbound finished product arriving at our North Sea ports.

Truck-to-rail and truck-to-barge modal changes took 4760 full container loads of inbound product off European highways

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Stanley Black & Decker



In 2013, employees from MAC Tools, SBD Corporate Freight, UPS, Menlo Worldwide Logistics and Expeditors International gathered for a lean freight event at SBD's Columbus Fulfillment Center. Drawing on the principles of the Stanley Fulfillment System (SFS), the team identified 30 projects to reduce SBD's transportation demand and optimize logistics. Going forward SBD will assess and implement those projects that hold the most promise for increasing freight efficiency in the company's global supply chain.

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in 2011, with a resultant 893,350 less miles driven translating to 2300 mT in Greenhouse Gas avoidance.

North America transportation staff applied the same modal shift principle to both inbound and outbound freight, transitioning more than 1,040,000 million 2012 miles from truck to rail across 4 outbound lanes alone.

Direct shipping to Canadian customers has also shortening shipping routes, with a single route change saving 84,240 highway miles in 2012.

Sustainable Packaging - Efficiencies to Reduce Our Transportation Demand

SBD is using Walmart's Sustainable Packaging 3.0 software to characterize the current state of our shipping and selling unit packaging, in order to set enterprise-wide packaging reduction goals. Quantification is based on Key Performance Indicators including packaging material sustainability profile (footprint), transport distance, package: product ratios, and cube utilization.

Looking Ahead

Stanley Black & Decker is committed to sustainable business policies and initiatives that reduce our impact on the environment and improve the quality of life in every community we reach.

SmartWay's transportation management tool has allowed us to increase the fuel efficiencies of our transportation and decrease the emission factors of that transportation, delivering a more sustainable logistics and distribution footprint for Stanley Black & Decker.

Partnerships like SmartWay with verifiable results have helped Stanley Black & Decker achieve recognition as a Dow Jones Sustainability Index company for North America, and recognition as our Sector Mover in 2012.

