



G75

75 GREEN SUPPLY CHAIN PARTNERS

Inbound Logistics editors select 75 companies going above and beyond to prioritize green initiatives and help global supply chains become more sustainable. These companies are dedicated to developing and implementing best practices that leave a positive footprint on the world.



AAA Cooper Transportation

www.aaacooper.com

AAA Cooper Transportation upgraded aerodynamic fairing packages, converted oil to lighter-weight synthetic for improved fuel economy, installed tire pressure systems designed for drive tire position to improve MPG, and installed next-generation skirting on van trailers for airflow direction. The company also designed data centers to reduce HVAC demands and overall utility consumption.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

AAA Cooper Transportation's LTL system flow improvements enhanced loaded fill rates, reducing the number of miles per shipment required.

Alliance Shippers Inc.

www.alliance.com

Alliance Shippers' refrigerated trailers and containers have two-way cellular tracking devices, drawing power from a solar-powered battery source within the company's refrigeration units. This allows the company to continuously track the GPS location on assets as well as monitor temperature, check for fuel levels, and turn the refrigeration unit on and off at any time. Alliance Shippers Inc. has been a SmartWay participant

provider since 2006 and was one of 62 companies to receive an Excellence Award distinction in 2019, representing the best environmental performers of SmartWay's 3,600 partners.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels

NOTABLE ACHIEVEMENT

Building its fleet of refrigerated equipment with the most current technology enables Alliance Shippers to move refrigerated goods via rail, reducing CO2 output by approximately 67% or 1 billion pounds vs. moving goods over the road.

Americold

www.americold.com

In 2021, Americold invested more than \$6 million to complete 45 sustainability projects, ranging from energy-saving

LED lighting to rooftop rainwater harvesting systems. It works closely with customers to optimize their supply chains with a focus on reducing transportation mileage to decrease CO2 emissions.

Americold continually evaluates technology to drive improvements in energy efficiency, water usage, greenhouse gas emission reductions, and overall stewardship of its resources. Energy teams lead Americold's sustainability efforts in direct partnerships with every operations leader in the company, engaging the entire organization to practice sustainability stewardship.

Americold converted five cold storage sites to high-efficiency lighting in 2021. This resulted in a total reduction of 2.5 million kWh of consumed energy. At year-end 2021, 179 Americold sites were operating LED lighting.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Americold was recognized as the #1 cold storage leader for energy excellence by the Global Cold Chain Alliance.



ArcBest

www.arcb.com

To maintain an efficient fleet, ArcBest regularly replaces trucks to keep its fleet age low and utilizes speed governors, engine shut offs, aerodynamic packages, and SmartWay-verified tires to reduce emissions. ArcBest has purchased two electric Class 6 trucks, two electric forklifts, and two electric yard tractors.

The company is constructing its second LEED-certified building and adding solar power to one service center, with plans to expand in the future. Recently, it completed the first phase of a data project to calculate and disclose its Scope 1 and Scope 2 emissions.

ArcBest is updating many of its 240+ service centers with LED lighting, among other upgrades, to improve efficiency.

ArcBest hired an ESG program manager to be a sustainability advocate, identify future initiatives, and facilitate reporting.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

ArcBest has been a signatory to the UN Global Compact since 2020 and has reported to CDP, a charity that runs a global disclosure system, for five years.

Arrive Logistics

www.arrivelogistics.com

Arrive Logistics eliminated 10,200 metric tons of CO2 from empty miles thanks to the growth of its private fleet and committed capacity programs. The private fleet program identifies and fills backhauls for fleet routes to minimize empty mileage and CO2 emissions. Its committed capacity program

maximizes coverage and minimizes empty miles within a carrier's network, optimizing loads and reducing emissions.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

In 2021, the freight brokerage began a partnership with Sustainable Travel International as a Climate Ranger Partner. The partnership enables Arrive to better assess its current carbon footprint and implement a new strategy to continually offset carbon emissions.

Averitt Express

www.averittpress.com/green

Averitt's measurable achievements include reducing carbon dioxide emissions by 38%, reducing nitrogen oxide emissions by 96%, and saving 6.2 million gallons of diesel fuel.

Averitt Express provides drivers access to a roadside service that enables them to reduce tractor idling when parked for long periods. The company also maintains a balance within its network to reduce empty miles, decreasing emissions and fuel usage.

The company became a charter member of the EPA's SmartWay program in 2004. As one of 52 charter members, Averitt Express agreed to meet specific environmental and energy-saving goals while sharing its progress annually with the EPA. As a result, the company has earned a SmartWay score of 1.25, which represents Outstanding Environmental Performance, according to the EPA.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage

- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Averitt has been recognized with numerous sustainability awards, including the 2020 Clean Diesel Award from the Tennessee Trucking Association.

C.H. Robinson

www.chrobinson.com

As of 2021, C.H. Robinson achieved 90% of its 2025 carbon reduction target. The company increased renewable-energy purchases year over year by 30% and reported its scope 3 emissions for the first time.

C.H. Robinson created Emissions IQ, a technology to measure, benchmark, and reduce emissions. It also helps customers redesign and optimize supply chains for sustainability. For its carriers, it enhanced its technology to recommend loads based on fewest deadhead miles.

C.H. Robinson provides a free greenhouse gas emission calculator for customers, renewable energy credits, and carbon offsetting.

An EPA SmartWay partner since 2005, C.H. Robinson collaborated with MIT and SmartWay to create a new standard of measuring LTL emissions. It joined Smart Freight Centre, the World Economic Forum, and leading companies to develop a book and claim chain of custody systems for transportation emissions reduction.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

The company was awarded the EcoVadis Bronze Medal for sustainability.



Canadian National Railway Company

www.cn.ca

CN is committed to advancing circular economy principles in all aspects of its operations. Each year, by engaging employees, customers, and suppliers, CN continues to divert approximately 90% of its waste from landfills through its reduce-reuse-recycle-renew programs.

Since 2011, its EcoConnexions program has empowered employees to reduce energy consumption, minimize waste, and improve housekeeping practices. Its \$5-million annual CN EcoFund enables the railway to implement energy-efficient upgrades in its buildings and yards. CN continues to invest in retrofits to boilers, air compressors, HVAC systems, and LED lighting, improving its carbon efficiency and cutting costs.

CN is listed on the Dow Jones Sustainability World Index.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Since 2011, CN has achieved a 30% reduction in electricity consumption at key yards, avoiding more than 171,000 metric tons of carbon. CN is the first

North American railroad to commit to setting a net-zero target by joining the Business Ambition for 1.5°C and the United Nations' Race To Zero campaign.

Cargo Transporters

www.cargotransporters.com

Cargo Transporters continues to invest in technology to improve the fuel efficiency of its tractors and trailers. With recent advancements, fuel MPGs improved 2.4% over the previous year.

The company also replaced local fleet tractors from the Cascadia P3 Sleeper to a smaller New Cascadia P4 Day Cab.

Continuing to partner with SmartWay, Cargo Transporters was a past winner of the Excellence Award. The company has been active in the North Carolina Department of Transportation's Adopt-A-Highway for 33 years.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Cargo Transporters increased shorepower connections for tractors and continued to move all facilities to energy-efficient lighting.

CEVA Logistics

www.cevalogistics.com

As part of the CMA CGM Group, CEVA Logistics maintains a three-pronged approach to its corporate social responsibility efforts: acting for the planet, people, and responsible trade. CEVA seeks to be net carbon zero by 2050.

CEVA Logistics' environmental initiatives in North America include expanded use of environmentally conscious transportation partners, tree planting programs, park trash clean-up programs, additional certified natural



gas tractors, expansion of electric materials handling equipment in facilities and electric vehicles on the road (including mid-duty and Class 8 trucks).

The company also engages in numerous recycling programs and continued LED lighting projects.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

CEVA Logistics analyzed internal ground transport data and redesigned its U.S. hub and routing guides to optimize mileage, cost, and emissions. These efforts saved 1 million miles, reducing emissions by 1,600 tons of CO₂ in 2021.

CJ Logistics America

www.cjlogisticsamerica.com

CJ Logistics monitors energy usage and identifies sustainability projects to implement in its warehouses in partnership with customers.

Transportation efforts include consolidated shipping, SmartWay certification, and a strict no-idle policy. Consolidating multiple customers with a single destination onto a shared truck reduces trucks on the road, miles traveled, and cost.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting
- Donate damaged food items

NOTABLE ACHIEVEMENT

CJ Logistics regularly engages in large-scale network modeling projects for customers. While network redesign yields efficiency and cost reduction, better-placed warehouses and optimized transportation routes also result in a more sustainable network with a reduced carbon footprint.



Crowley

www.crowley.com

Crowley has designed and started construction on the first fully electric tug, which will operate in the Port of San Diego in 2023.

In 2021, the company expanded its EPA Tier IV tugboat fleet on the West Coast to help reduce emissions in harbors. Its Alaska truck fleet has been updated to increase fuel efficiency, and equipment in Latin America and the Caribbean leverage tire reuse programs in order to limit landfill and production emissions impacts.

Crowley's sustainable solutions in its daily operations include a reuse and recycle program, sustainable packaging and LED technology in offices, warehouses and facilities. Its terminals are embarking on electrification strategies toward decarbonization.

A founding member of Blue Sky Maritime Coalition, Crowley was awarded the biennial William M. Benkert Environmental Protection Award by the U.S. Coast Guard. The award recognizes outstanding achievements in marine environmental protection that go beyond compliance with industry and regulatory standards.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

As part of its net-zero commitment, Crowley became the first maritime company to implement Salesforce's Net Zero Cloud in partnership with PwC to account for and reduce greenhouse gas emissions throughout its operations and total supply chain.

Crown Equipment

www.crown.com

Crown works to deliver energy-efficient lift trucks that use fewer parts, require less maintenance, produce less waste, and last longer, offering improved productivity, lower costs, and reduced environmental impacts. For example, the company offers lithium-ion battery technology as an alternative power solution.

By designing energy-efficient features into its products, Crown helps customers meet their own sustainability goals. By manufacturing up to 85% of the parts used in its lift trucks, Crown achieves a high level of environmental compliance.

Crown commits to recycling and reusing materials, preserving natural resources, and reducing waste and energy consumption.

GREEN INITIATIVES

- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater

- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Crown has won more than 20 sustainability awards. Multiple facilities achieved zero-landfill status and ISO 14001 certification.

CSX

www.csx.com

CSX practices transparency and adopts new technologies to achieve its goal of reducing Scope 1 and 2 greenhouse gas emissions intensity by 37% between 2014 and 2030. This goal, approved by the Science Based Targets initiative, has led freight rail and other transportation companies to adopt strategic and significant goals of their own.

CSX is also investing in near-term efficiency efforts and long-term transformational technologies to drive the company toward achievement.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

The Center for Climate and Energy Solutions and The Climate Registry named CSX as a 2021 Climate Leadership Award recipient in recognition of the company's commitment to reduce greenhouse gas emissions.





CT Logistics

www.ctlogistics.com

CT Logistics invested in software developments throughout 2022 to provide shippers the tools to make greener choices in their supply chain. CT enhanced its FreitRater Lion software to help shippers drive energy efficiency with supply chain routing analysis technologies that maximize lane effectiveness and facilitate optimal transportation mode selections.

CT Logistics developed the FreitRater Lion software to consolidate small shipments into a truckload with stop-offs to reduce costs and fuel. This software enables shippers to choose environmentally conscious routings, mode selections, and carriers with the shortest transit times to reduce fuel consumption and lower CO2 emissions.

GREEN INITIATIVES

- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

At least 40% of the company's 6-acre corporate campus will remain undeveloped and wooded. CT Logistics utilizes intelligent thermostats in its buildings, incorporating off-hour energy conservation. Additionally, the company embraces internal green initiatives such as recycling all cardboard and paper, copier/printer toner/ink cartridges, and outdated technology.

DHL Supply Chain

www.dhl.com

As part of Deutsche Post DHL Group, which has announced a global commitment to net zero logistics-related emissions by 2050, DHL Supply Chain has set specific targets and initiatives such as additional expenditures of up to \$8 billion in sustainable operations by 2030, 60% e-vehicles in pick up and delivery by 2030, 30% share of sustainable fuels in air/ocean freight and road transport, and all new buildings climate neutral. DHL also promotes environmentally



friendly packaging options. EcoVadis rates Deutsche Post DHL Group among the top 3% of evaluated companies industry-wide.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

DHL Supply Chain North America purchased 100% of electricity from renewable sources in 2021. It has mandated that new yard trucks be electric and has invested in green heavy-duty vehicles.

Dimerco Express Group

www.dimerco.com

Dimerco adjusted work practices to lower the carbon impact of activities on the environment. In recognition of its initiatives and efforts, Dimerco is certified with ISO 9001 (quality), ISO



27001 and NIST CSF (information security), ISO 45001 (health & safety), and ISO 14001 (environment).

Dimerco prioritizes mode optimization, developing green logistics solutions to shift to more eco-friendly freight options, such as direct flight, cross-border road freight in Southeast Asia, China-to-Europe rail, and sea/air combination services. It also consolidates shipments to reduce fuel use and carbon footprint.

The Green Building Council introduced Dimerco's certified green building in Jakarta, Indonesia, in 2018. In 2019, Dimerco supported the installation of Villanueva Solar Park in Mexico. Additionally, the company has applied LED tubes to all its offices in Taiwan and keeps air conditioning at 25°C for all 167 offices worldwide.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Through its business intelligence technology applications and data integration efforts, Dimerco supports paperless processes and e-freight projects. For example, it reduced the project time for booking, milestone update, and electronic billing by more than 50% with an EDI/API integration.

Dimerco implemented a reduce/reuse/recycle green policy for 167 operating units around the world, including eco-friendly purchasing and deploying electric trucks and forklifts.

Echo Global Logistics

www.echo.com

Echo works with its shipper and carrier partners to adopt procedures that reduce waste through recycling practices, minimize impact by reducing pollutants, increase the use of environmentally acceptable materials,

and actively promote environmental awareness. Echo is certified in the ISO standard 14001:2015. This means that Echo's environmental management system meets ISO's thorough requirements. Since 2010, Echo has partnered with the EPA's SmartWay program to measure, benchmark, and improve its environmental footprint. Echo shares its freight activity with the EPA, which tracks emissions of carbon dioxide, nitrogen oxide, and particulate matter. Echo's emissions scores rank above average and continue to improve over time.

Internally, Echo promotes company-wide recycling efforts, encourages employees to use public transportation when commuting, and provides staff with health and wellness options that benefit them and the environment.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Echo is reducing its environmental footprint by identifying energy efficiencies within its facilities, leveraging renewable energy, and participating in conservation projects including single-sort recycling in its offices; e-recycling, with the goal of recycling all electronic devices; procuring Energy Star electronic devices; and paperless invoicing.

enVista

www.envistacorp.com

enVista fosters sustainability across labor, inventory, transportation, and network design. enVista completed a project designing and optimizing a \$300+ million retailer's supply chain network and inventory management strategy. It implemented tools to maintain inventory and ship from stores, eliminating the need for costly DC operations and saving an average of \$4.1 million per year.

enVista optimizes less-than-truckload and truckload freight, and models private fleets. Its analysis and

implementation is designed to reduce total miles and required assets to move freight, which reduces CO2 emissions.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reduce energy usage

NOTABLE ACHIEVEMENT

enVista offers EPA-aligned carbon emissions and sustainability reporting, analyzing shippers' carbon footprint by mode, carrier, account, service level, and lane. The report provides insight into total transportation-based emissions, cost to offset, and what-if modeling, revealing opportunities to reduce emissions.



Estes

www.estes-express.com

Estes has acquired more than 190 renewable natural gas tractors and continues to expand its fleet of alternative fuel vehicles. It built solar-powered systems in four of its terminals, and has plans to begin installation on four additional solar-powered systems in 2022.

Estes continues to grow its fleet of electric forklifts and implement strategies to reduce, reuse, and recycle in its day-to-day logistics. Estes reduces emissions by using newer equipment and through route optimization.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Carbon-capture technology

NOTABLE ACHIEVEMENT

Estes is the first LTL carrier to participate in the 2022 inaugural pilot of Remora, a new carbon capture technology that vastly reduces the amount of CO2 a semi-truck releases into the earth's atmosphere. It was also one of the first trucking companies to join the EPA's SmartWay Transport Partnership in 2004.

Evergreen Line

www.evergreen-line.com

Evergreen's corporate social responsibility policy focuses on environmental protection, social commitment, ethical compliance and risk management, and sustainable procurement. Evergreen seeks to provide sustainable marine transportation services and adapts these measures in its daily operations. The company also develops and utilizes state-of-the-art technology to help safeguard marine ecology and ports.

Evergreen is seeking to reduce its fleet's CO2 emissions rate by 50% in 2030 and by 70% in 2050 from a 2008 baseline, with overall CO2 emissions reduced by 50%.

GREEN INITIATIVES

- Reuse/recycling program
- Reduce energy usage
- Sustainably source materials
- Use scrubbers to reduce sulfide emissions

NOTABLE ACHIEVEMENT

Evergreen practices sustainable procurement, defining and applying its supplier code of conduct to the global supply chain. It evaluates suppliers on environmental protection, regulation compliance, health, and safety.





FedEx

www.fedex.com

FedEx invested more than \$2 billion in three key areas—vehicle electrification, sustainable energy, and carbon sequestration—to achieve its goal of carbon neutral global operations by 2040.

FedEx is converting its entire parcel pickup and delivery fleet to zero emission electric vehicles by 2040. This will be accomplished through phased programs to replace existing vehicles. For example, by 2025, 50% of FedEx Express global parcel pickup and delivery vehicle purchases will be electric, rising to 100% of all purchases by 2030.

The company is also building on its Fuel Sense initiatives to continue working to reduce aircraft fuel consumption.

FedEx continues to invest in alternative fuels, efficient facilities, renewable energy, and long-term transformational solutions.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

In 2020, the company's aircraft modernization and Fuel Sense programs saved more than 255 million gallons of fuel and avoided more than 2 million metric tons of carbon dioxide equivalent emissions.

Flock Freight

www.flockfreight.com

Flock Freight's shared truckload solution, FlockDirect, helps shippers emit fewer greenhouse gases by maximizing truck space and skipping processing facilities during transit.

FlockDirect shipments use advanced algorithms to identify shared truckloads (STL) that optimize multi-stop routes and fill trucks to capacity, ensuring freight moves faster, safer, and more efficiently without compromising price or service. STL reduces carbon emissions by up to 40% per shipment compared to traditional truckloads and up to 15% compared to less than truckload through streamlined transit.

Additionally, every time a customer books FlockDirect, Flock Freight buys carbon credits that offset the shipment's remaining impact at no extra cost.

GREEN INITIATIVES

- Reduce greenhouse gas emissions

NOTABLE ACHIEVEMENT

A certified B Corporation, Flock Freight appointed employee impact teams that focus on improving sustainability efforts at its office locations, as well as within its communities. These efforts span from recycling programs to leveraging 100% renewable energy at the company's Encinitas, California, headquarters.

Forward Air

www.forwardair.com

Forward Air reduces emissions and energy consumption through several programs, including installing LED lighting in various facilities, installing skirts on all trailers to improve gas

efficiency and reduce fuel usage, and using electric lifts for its intermodal and final mile divisions' facilities.

Forward Air is also aligning with industry certifications and continues to be a SmartWay-certified company.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Forward Air published its first ESG report in 2021 and is committed to reporting annually moving forward. Aiming to reduce vehicle idling, Forward Air focuses on education and communication, with training campaigns at the driver level and the use of telematic data to evaluate improvement and progress.

GEODIS

www.geodis.com

GEODIS aims to achieve a 30% reduction in its greenhouse gas emissions by 2030 through low-carbon transport and multimodal solutions that combine air, road, maritime, inland waterways, and rail, as well as natural gas and electric vehicles.

GEODIS offers customers a sustainable alternative fuel for air and sea freight, in addition to the solutions already available for road freight.

In 2021, GEODIS offered 330 light commercial vehicles and heavy trucks from Iveco running on bioNGV fuel to help reach the target of ensuring 100% carbon-free deliveries in the city centers of 37 metro areas by 2023.

Additionally, its Green Team and Green Site Certification programs promote sustainability and implement recycling initiatives at its facilities to prevent waste from going to landfills. In 2021, Green Teams assisted in diverting landfill waste by 75%. All GEODIS facilities also are green-site certified.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

GEODIS offers carbon offsets and renewable energy certificates. Its free online emissions calculator performs calculations that take into account the goods being shipped, their origin, destination, and transportation mode before providing a quantitative evaluation of the shipment's greenhouse gas and air pollutant emissions.



Hub Group

www.hubgroup.com

Hub Group provides a broad suite of sustainability focused services, including intermodal, LTL consolidation and network optimization to drive a meaningful impact on customers' carbon dioxide footprint.

The company proactively conducts an analysis of each customer's supply chain to identify opportunities to implement an efficiency program.

Hub Group's sustainability strategy focuses on reducing greenhouse gas emissions for customers, and investing in equipment and technology to offset its own emissions. The company invested to reduce the age of its trucking fleet by adding newer, more energy-efficient equipment with the latest safety technology.

A successful electric truck pilot resulted in a plan to convert some diesel-powered trucks to electric.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting
- Rainwater harvesting
- Mode conversion
- Reporting and visibility

NOTABLE ACHIEVEMENT

In 2021, Hub Group helped its customers avoid nearly 3.1 billion pounds of CO2 emissions by converting truckload shipments to more efficient intermodal transportation.



Hyster Company

www.hyster.com

Hyster helps operations in intensive industries mitigate environmental impact and meet strict emission standards with alternative power options. Hyster recently launched the J40XNL, a 4,000-pound capacity integrated lithium-ion lift truck built for application in the trucking industry that is rapidly electrifying and demands high efficiency and smart sustainability.

Innovations from Hyster include solutions for heavy-duty applications that have historically depended on internal combustion engines. Hyster has introduced multiple counterbalanced lift trucks engineered around factory integrated lithium-ion power, in load capacities up to 36,000 pounds.

Several of its lithium-ion forklift models deliver performance comparable to diesel power without the emissions during operation or off-gassing during charging.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse / recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Hyster's global emissions decreased 21% in 2021 compared to its 2015 baseline, representing 70% progress toward its 2026 goal.

iGPS Logistics

www.igps.net

iGPS rents out plastic pallets that are 100% recyclable. Should an iGPS pallet be damaged (which is rare), it is simply remolded into a "new" one with no added material. In addition, because iGPS pallets are 35% lighter than wood-block alternatives, considerably less fuel is used and fewer emissions are produced during their transport.

iGPS's business model ensures that its pallets are used and reused by customers in the same geographic area, minimizing deadhead miles or pallets being shipped long distances.

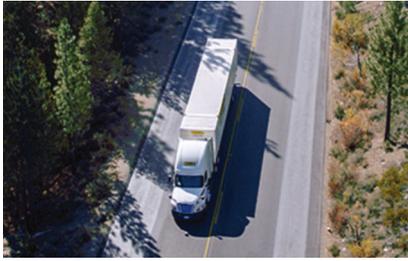
In 2021, iGPS repurposed more than 32,000 pounds of post-consumer plastic into new pallets. By shipping lighter pallets, iGPS customers saved more than 1,000 gallons of fuel from being burned, and kept more than 28,000 pounds of greenhouse gas out of the atmosphere.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

iGPS plastic pallets have 28% less impact on global warming—for every 100,000 shipped iGPS pallets, nearly 1,000 gallons of fuel are saved, and more than 20,000 pounds of greenhouse emissions (based on EPA fuel usage data) are prevented.



J.B. Hunt Transport Services

www.jbhunt.com

In 2021, J.B. Hunt reduced CO₂ emissions (versus an all-truck alternative) by approximately ~3.9 million metric tons by converting over-the-road loads to intermodal. Since 2020, J.B. Hunt has avoided nearly 6 million empty miles by successfully matching the empty segments with unutilized trucks through its technology platform, J.B. Hunt 360.

Recently, J.B. Hunt announced plans to expand its intermodal fleet to 150,000 containers in the next three to five years as part of a joint initiative with BNSF Railway. JB Hunt's CLEAN Transport program provides intermodal customers with a flexible method to acquire carbon offset credits equivalent to the emissions created by their shipments. Analysts calculate environmental impact and connect customers with verified climate-protection projects to reduce their footprint in a customer-focused format.

Additional company sustainability initiatives include reducing engine idle time, governing top speed limits, and using biodiesel fuels.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

J.B. Hunt has received the SmartWay Excellence Award from the U.S. Environmental Protection Agency for 12 consecutive years.

Kamps

www.kampspallets.com

For internal green initiatives, Kamps focuses on two areas that deliver the greatest impact: transportation and wood resource solutions (WRS). Kamps invested time and resources to further optimize fleet routes and reduce idle time, which decreased average trip time by 15% year-over-year.

Kamps' WRS team is responsible for end-of-life sustainable solutions that deliver the greatest carbon offsets and ensure zero wood waste. Kamps expanded this division through organic growth and acquisitions—generating more than 31,600 tons of biofuel.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Sustainable packaging
- Sustainably source materials
- Improve sustainability reporting and data collection

NOTABLE ACHIEVEMENT

Kamps recycled 200 million pallets in 2021, saving 5.6 million metric tons of CO₂ from being released and reducing landfill waste by 3.7 million tons.

Kenan Advantage Group (KAG)

www.thekag.com

Kenan's tire recycling program eliminates ~1.7 million pounds of waste annually. Company-wide recycling policies are in place for both electronics and paper waste, and energy-efficient LED lighting is installed in most facilities to reduce overall energy consumption.

Kenan partners with third-party specialists to ensure the proper removal of hazardous waste.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Kenan Advantage Group is an EPA SmartWay participant and has improved mileage to reduce CO₂ emissions by ~15% over the past five years.

Kenco Logistics

www.kencogroup.com

Kenco Logistics is focused on balancing economic performance with responsible environmental stewardship—it engages stakeholders from executive management to warehouse workers.

Kenco reduces greenhouse gas emissions for warehousing, transportation, and other businesses by utilizing data analytics and optimization to improve efficiency throughout its operations.

The company reduced its carbon footprint from transportation solutions by 7% to 15% through network and transportation optimization, inventory planning, and packaging redesign.

In addition, Kenco Logistics reduced its warehousing carbon footprint by 10% to 25% through the use of LED lighting, sensor switches, energy-efficient heating and cooling systems, electric material handling equipment. It also employs energy-efficient kitchen equipment and office appliances, and waste recycling.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Kenco Logistics operates LEED-certified facilities, uses hybrid vehicles in the company fleet, and implements Lean Six Sigma methodology to minimize waste and cost.



Lufthansa Cargo AG

www.lufthansa-cargo.com/green

Lufthansa Cargo has completed its fleet rollover from the MD11F and operates a single B777F freighter fleet with an average age of 5.2 years. After this rollover, Lufthansa achieved a 52% fuel efficiency increase in the past 25 years. Three B777Fs and seven new-generation B777-8Fs will add further capacity and efficiency for both the short and long term.

To reach its goal of halving CO₂ emissions by 2030 and achieving CO₂ neutrality by 2050, Lufthansa Cargo is deploying new technology throughout its fleet such as “sharkskin” on aircraft, light nets in handling, sustainable aviation fuel, and other innovations.

As an add-on service, Lufthansa customers can opt to minimize CO₂ emissions if desired, allowing for additional reduction in greenhouse gases.

Lufthansa recently completed its 100th biofuel flight, and also signed an acceptance agreement with refineries and customers for future-oriented electricity-based aviation fuels.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

In 2021, Lufthansa Cargo joined with the Science Based Targets Initiative—a collaboration between the CDP, the

United Nations Global Compact, the World Resources Institute, and the World Wide Fund for Nature. Lufthansa Cargo also received an award from the journal *Verkehrsrundschau* for its multi-company Green Mobility trainee program, where Master’s graduates can work on solutions toward more sustainable, future-oriented action within logistics and mobility.

Lynden

www.lynden.com

Despite operating in some of the most steep terrain and extreme conditions, Lynden’s fleets consistently score among the most efficient in the nation in terms of CO₂ per ton mile as measured by SmartWay.

Lynden’s bulk tanker company consistently scores in the top 1% of tanker carriers in the nation for low carbon monoxide, nitrous oxide, and particulate matter emissions per ton mile. Lynden also redesigned its locations for energy efficiency, including replacing more than 100 propane forklifts with electric models.

Lynden’s procedures and equipment are designed to prevent accidental spills and manage stormwater pollution. All trucks and planes are designed with aerodynamic features to reduce drag, and more than 80% of the fleet is less than five years old.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Lynden is the first Alaska-based transportation company to be recognized by SmartWay (2008) and the first trucking company to earn the Green Star Award for Alaskan businesses. The company was also named Contributor of the Year by Alaskans for Litter Prevention and Recycling for its recycling efforts.

Marten Transport

www.marten.com

Marten reduces overall mileage via internal equipment changes, temperature initiatives, network restructuring, and multimodal carrier conversions from truckload to intermodal, reducing carbon footprint by more than 60% per load. The carrier created the Loading Warm & Reefer Run initiative using temperature technology to educate customers and reduce reefer usage.

Marten has added solar panels at all 14 terminals and on tractors, has converted all lighting to LED, and has installed a lithium battery bank at its Jurupa Valley, California, terminal.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Marten has made the Smartway High Performance list year after year for improving freight efficiency. The company has also been awarded Pioneer in Intermodal Development from CSX, Energy Efficiency Leader from Thermo King, and the most Progressive Carrier of the Year from Coca-Cola.





Matson Logistics

www.matson.com

Matson Logistics' environmental strategy focuses on reducing greenhouse gas emissions to mitigate climate change, improving air quality, recycling retired ships responsibly, and protecting ocean health and biodiversity. The freight transportation provider has been a member of the EPA SmartWay Partnership since 2008.

Additionally, Matson Logistics has invested in green building features in its warehouses. Its warehouse in Pooler, Georgia, is LEED certified. Other facilities use "passive night air" cooling systems and will upgrade from fluorescent lighting to more efficient LED lighting.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Matson is nearing the completion of its Hawaii fleet renewal program, where the company commissioned four new state-of-the-art vessels with multiple environmental features designed to help reduce emissions. With this initiative, Matson is now retiring seven older and less efficient steamships, where the ships were recycled at U.S. facilities that comply with international ship recycling standards.

MPO

www.mpo.com

The MPO platform offers smart order management for minimal environmental impact. Customers can incorporate greenhouse gas emissions into their planning, allocate emissions to shipments, input personalized parameters, and optimize flows in line with EN 16258 regulations and GLEC



methodology. The company offers real-time CO2 analytics per order to help execute flows against the lowest carbon footprint.

MPO enables sustainability as a quantitative metric through carrier scores and factoring greenhouse gas emissions into carrier selections based on fuel efficiency.

The MPO platform offers the ability to include carbon footprint considerations in e-stores for e-commerce vendors, and its smart business logic allows teams to choose the most environmentally friendly way to handle returns.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels

NOTABLE ACHIEVEMENT

MPO uses smart energy technology in its facilities company-wide.

NFI

www.nfiindustries.com

NFI is investing to grow its clean vehicle fleet and create scalable zero-emission transportation solutions, partnering with industry leaders DTNA, Volvo, and Hylion. NFI is an award-winning SmartWay partner and High Performer.



By 2023, NFI will operate the first 100% zero-emission drayage fleet in the United States. This deployment will help establish the first zero-emission goods movement corridor in the country.

NFI will also develop one of the United States' largest networks of commercial fleet chargers including 38 high-capacity DC fast chargers, and will install 5MWh of energy storage and solar energy capable of generating 2.4 million kWh of zero-emission energy annually.

Green equipment—electric and propane-powered forklifts, lithium battery forklift demonstration units, robotic stretch wrapping, and recycling programs—is in place across NFI distribution centers.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

NFI has already operated more than 750,000 miles on battery-electric tractors and has won more than \$107.7 million in competitive grants with its partners to build a foundation to scale zero-emission technologies.

Northwest Seaport Alliance

www.nwseaportalliance.com

The Northwest Seaport Alliance (NWSA) unites port stakeholders and communities across the Puget Sound to reduce environmental impacts.

With the company's Clean Truck Program, all drayage trucks serving NWSA terminals are 2007 models or newer, resulting in 90% cleaner trucks. The program reduced diesel particulate matter emissions by more than 90% since 2005 and brought zero-emission cargo handling trucks to the NWSA in 2022.

The company is also installing shore power on terminals and building an electrification roadmap to reach a zero-emission goal by 2050. In addition, NWSA keeps waterways clean with innovative stormwater treatment systems, tenant education, and technologies to efficiently manage stormwater in an industrial setting.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Since 2016, the NWSA has been an active member of Green Marine, North America's largest voluntary environmental certification program for the maritime industry. The NWSA is currently working toward its Quiet Sound underwater noise reduction program to protect the Puget Sound's orca population from seafaring vessel noise.

Odyssey Logistics & Technology

www.odysseylogistics.com

Odyssey announced impressive first-year results from its Cloverleaf Sustainability Program aimed at reducing carbon emissions in supply chain logistics. Using advanced data collection tools and European Chemical Industry Council and European Chemical Transport Association guidelines, Odyssey estimates the program reduced carbon emissions for its clients by 489,831 tons in 2021—surpassing the original projection of 300,000-plus tons.



In 2022, Odyssey expects even greater declines in carbon emissions through the Cloverleaf Program, with an anticipated reduction target of 529,017 tons in 2022.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources

NOTABLE ACHIEVEMENT

Odyssey leverages innovative applications of electrification such as alternative fuel vehicles, internet of things (IoT)-enabled devices, predictive/prescriptive analytics, telematics, and other evolving technologies to enhance supply chains.

Old Dominion Freight Line

www.odfl.com

Old Dominion Freight Line is investing in new technologies and processes that drive environmental stewardship. As part of the company's ongoing investment in its fleet and service center network, OD purchases new equipment, adopts new technologies, implements efficient process improvements, and makes alterations to facilities and fleets that improve efficiency and reduce environmental impact.

OD strives for continuous improvement through capital investments and by assessing and managing energy usage, waste levels, emissions, and carbon footprint.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources

- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting
- Custom built tractors

NOTABLE ACHIEVEMENT

OD's fleet is kitted out with custom gearing, speed limiters, trailer skirts, air dams, deflectors, low-rolling resistance tires, telematics systems, and other technologies to achieve maximum fleet efficiency.

Onepak

www.onepak.com

Onepak greens the reverse supply chain through managing IT asset recovery and loop logistics as part of the circular economy. The company minimizes the carbon footprint of all managed client logistics by optimizing routing and load consolidation.

Onepak calculates and offsets all emissions from its activities to provide documented carbon-neutral reverse logistics services for both freight and parcel shipping. This includes providing shipping kits for individual IT asset returns that are made from at least 40% post-consumer waste and are 100% recyclable.

In 2022, the company will debut a reusable laptop shipping kit to further reduce the carbon impact of individual asset recovery activity.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Sustainable packaging
- Sustainably source materials
- Provide guidance and resources to supply chain partners

NOTABLE ACHIEVEMENT

To date, Onepak has collected more than 600 million pounds of consumer e-waste and transported it to R2-certified facilities for responsible recycling.



ORBIS Corporation

www.orbiscorporation.com

ORBIS Corporation drives the circular economy through environmentally friendly product design, sustainable operations, and material usage.

Designed to replace single-use packaging in the supply chain, 100% of ORBIS' packaging solutions are developed with sustainability in mind. Using life-cycle assessments to compare reusable and single-use packaging, ORBIS helps customers reduce their overall environmental impact. In its own operation, ORBIS reuses 99% of water in the manufacturing process.

At the end of a long service life, ORBIS packaging can be recovered, recycled, and reprocessed into new packaging. In 2021, ORBIS' buyback program saved 85 million metric tons of CO2 emissions.

Additionally, ORBIS' Ocean in Mind program repurposes plastic waste at risk of entering the oceans into reusable packaging. Each year, this program diverts ~1 million lbs. of single-use plastic waste from oceans and waterways.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting
- Use ocean-bound plastic waste in manufacturing

NOTABLE ACHIEVEMENT

ORBIS' reusable totes are proven to reduce energy usage by 31%, solid waste by 79%, and greenhouse gas emissions by 38% for packaging suppliers.

PECO Pallet

www.pecopallet.com

PECO's pallet pooling model is based on reusing, repairing, and recycling pallets to reduce the waste and



inefficiency associated with single-use or low-quality pallets. In addition to providing sustainable solutions for customers, PECO Pallet also implements environmental initiatives within the company to conserve resources and reduce its carbon footprint.

PECO has installed wood waste shredders at its larger pallet depots to divert material from the landfill. The wood chips are hauled to a wood recycler to be reused, often for animal bedding. PECO also uses a Fleet Recovery app to optimize pallet recovery routes and reduce wasted miles, fuel consumption, and emissions.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

PECO Pallet completed its first-ever GRESB Asset Assessment in 2021 and received a score of 88 out of 100 (over the average of 72) to earn an overall 4-star rating. PECO also earned a 2021 EcoVadis Silver rating, ranking in the top 22% of companies in its market segment.

Penske Transportation Solutions

www.gopenske.com

Penske has been supporting and maintaining alternative fueled vehicles for more than 30 years. The company continues to work with OEM partners to incorporate alternative fuel vehicles into

the Penske fleet. The company will take delivery of 750 all-electric Ford E-Transit cargo vans in 2022.

Penske is also implementing numerous facility-level sustainable programs, such as renewable energy infrastructure, energy efficiency upgrades, and waste reduction policies that will reduce the carbon footprint of facilities, including refrigerated distribution centers.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Penske's dedicated contract carriage fleet has been awarded the EPA SmartWay Excellence Award for sustainably delivering goods for each of the past five years. The EPA's Green Power Partnership program also recognizes that Penske's energy portfolio currently comprises 22% renewable energy.



Performance Team, A Maersk Company

www.performanceteam.net

A SmartWay partner and member of the Coalition for Responsible Transportation, Performance Team pushes for greater fleet fuel efficiency, lower-emission trucks, and the adoption of alternative fuel sources.

To reduce its carbon footprint, the company makes maximum use of recycled materials and utilizes energy-efficient technology. Performance Team requires waste reduction from

its business partners and promotes the use of environmentally friendly products.

Performance Team maintains a Clean Truck fleet that operates environmentally friendly trucks in the Ports of Long Beach and Los Angeles.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Performance Team uses more than 65 clean diesel tractors and clean equipment in its dedicated retail fleet operations and is expanding its electric truck fleet.



PITT OHIO

www.pittohio.com

In 2021, PITT OHIO continued to improve efficiency and reduce carbon emissions. The company saw an increase in business as the economy opened up in 2021, but gallons of fuel only went up 4.6% for an estimated savings of over 200,000 gallons of diesel fuel.

PITT OHIO accomplished this by utilizing straight trucks over tractors and updating preventive maintenance schedule intervals to ensure vehicles and tires perform optimally. The estimated reduction to oil was 12,000 gallons annually.

PITT OHIO also continues moving older vehicles out of the fleet. In addition,

these older vehicles were often used to help offset supply chain impacts to truck parts.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

At two of its terminals, PITT OHIO patented a renewable energy microgrid that transfers wind and solar energy into a battery system to generate, store, and consume renewable energy on-site. Excess renewable energy is sent back to the utility when generation exceeds demand, allowing the terminal to function autonomously and indefinitely.

Plastic Pallet Pros

www.plasticpalletpros.com

Plastic Pallet Pros' Buy-Back program provides customers the opportunity to recycle their plastic pallets and bins when they are no longer serviceable. The company gives a credit toward the purchase of new plastic pallets and bins.

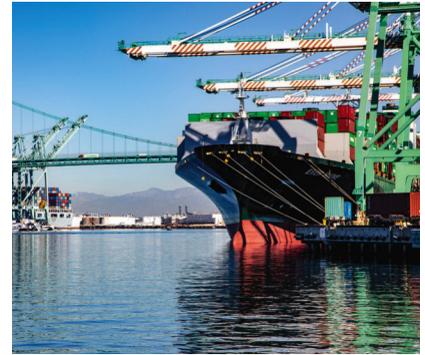
Pallets account for 90% of wood waste that heads to the landfill. The average time that wood takes to decompose in the landfill is 13 years. The durability of plastic pallets compared to wood, 250 trips versus 6, means fewer pallets are produced and less waste goes to the landfill. It also reduces cost per trip for customers.

GREEN INITIATIVES

- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

The majority of products that Plastic Pallet Pros provides are made with 100% recycled plastic and are recyclable.



Port of Los Angeles

www.portoflosangeles.org

The Port of Los Angeles, along with Port of Shanghai and C40 Cities, is working with leading industry partners to create the world's first transpacific green shipping corridor, including a goal to begin transitioning to zero-carbon fueled ships by 2030.

Additionally, the Port of Los Angeles and neighboring Port of Long Beach have debuted a new Clean Truck Fund, a major initiative designed to help incentivize the development and deployment of zero-emission trucks and infrastructure at the ports. Approximately \$90 million is expected to be collected the first year, moving the San Pedro Bay port complex toward a goal of being serviced by a 100% zero-emission drayage truck fleet by 2035.

Since 2005, port-related air pollution emissions in San Pedro Bay have dropped 90% for diesel particulate matter, 63% for nitrogen oxides, and 97% for sulfur oxides.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

To date, the port has installed nearly 3 megawatts of photovoltaic solar power systems, including installations at the World Cruise Center, CRAFTED at the Port of Los Angeles, and at other locations on port property.



Prospensive Logistics

www.prospensive.com

Prospensive Logistics' sustainability committee meets quarterly to discuss current and future state initiatives, benchmarks, and metrics to deliver a more sustainable supply chain. This committee is focused on advancing operational goals, employee recycling programs, technology initiatives, local community engagement and clean-up efforts, and independent office benchmarks.

The company constantly finds innovative ways to optimize routes and identify the most efficient lanes to limit driving time and maximize fuel usage, reducing carbon emissions while preserving shipment quality.

Prospensive Logistics installed Nest thermostats in all offices for more efficient heating/cooling and motion sensor-activated lighting for more efficient use of energy.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Prospensive Logistics has launched a "35 by 35" program—a commitment to reduce greenhouse gas emissions by 35% by 2035.

Raymond Corporation

www.raymondcorp.com

Across the organization, Raymond works to minimize its direct and indirect impacts on the environment through formalized environmental goals. To achieve these goals, Raymond associates participate in shutting down equipment during rest breaks and weekends to eliminate power draw.

Raymond has upgraded software for automated logic and lighting control programs to zone and control factory and office lighting, as well as



heating and air conditioning, based on utilization. The company has also incorporated LED lighting systems and adopted a reuse/recycle program.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting
- Reduced compressed air leakage system
- EPA Energy Star Treasure Hunt
- ISO 14001 certification

NOTABLE ACHIEVEMENT

Energy Essentials Distributed by Raymond lithium-ion batteries provide a comprehensive lithium-ion, high-performance energy solution that enhances productivity, including increased uptime and reduced electricity consumption, by allowing for more time between charges.

Redwood Logistics

www.redwoodlogistics.com

Redwood has been working toward sustainability since its inception in 2001 and has been a Smartway partner for more than 10 years.

The company introduced an innovative sustainability tool, Redwood Hyperion, that provides freight emissions

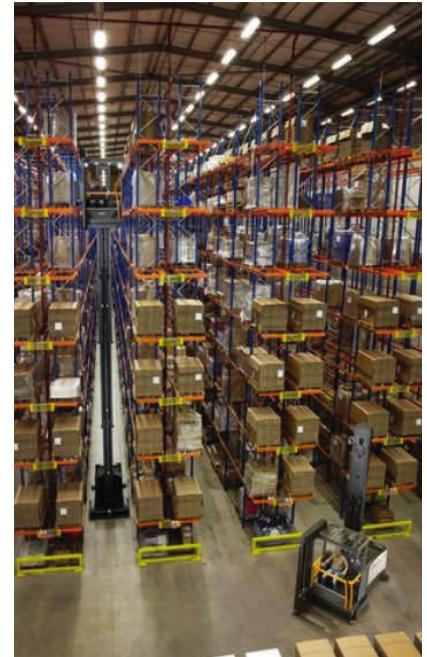
calculations and access to verified carbon credits. The program provides a customizable suite of carbon visibility, reduction, and offsetting tools to provide actionable insights that help shippers reach sustainability goals.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Redwood's asset division, F/X, reduced 907,522 pounds of CO2 in the first quarter of 2022. The company has decommissioned 800+ servers since 2020, reducing CO2 even further.



Rinchem Company

www.rinchem.com

The company has installed solar panels at its Marlborough, Massachusetts, location and installed LED and motion sensor lights in 19 facilities across the United States. It also recycles all cardboard and pallets.

Eighty-five percent of Rinchem's forklift fleet is electric and it uses automatic trucks to reduce carbon footprint and miles per gallon.

Rinchem is a Smartway partner and California Air Resource Board compliant. The company operates on a just-in-time model, bringing in only as much material as needed to avoid excessive inventory and transportation.

It also maintains a reverse logistics program that supports the use of returnable totes/drums, which reduces waste and disposal of plastics.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Rinchem offers paperless transactions through ChemStar, its custom online system.

RJW Logistics Group

www.rjwgroup.com

RJW cultivates efficient business practices that yield long-term sustainable benefits for customers and stakeholders.

RJW's retail consolidation program and in-house value-added services limit the number of trucks on the road, eliminating an average of 13 LTL shipments that would otherwise make multiple stops throughout one route.

RJW's recycling program averages 100 tons monthly across its network. Its trucks are fuel efficient and recent vintage with clean diesel emissions

technology and they operate with no-idle policies.

The company's facilities are LEED-certified and equipped with motion sensor lighting, skylights, and battery-operated equipment. RJW is recognized as a SmartWay carrier.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

RJW provides employee incentives for sustainable practices.

Romark Logistics

www.romarklogistics.com

Romark Logistics continues to make significant investments in renewable energy and has implemented many sustainable practices in collaboration with its customers that aid in reducing its carbon footprint. The company has a primary goal to operate all its locations as landfill- and carbon-free facilities.

Romark has invested in and operates solar installations at several locations, utilizes energy-efficient technology including LED lighting, water conservation equipment, cooling towers, and high-efficient battery chargers that reduce energy costs up to 30%.

The company increased rack density at its facilities and improved MHE monitoring for safety and maintenance. Company-wide recycling requirements



are in place for paper/cardboard, plastics, glass, and metal.

Idling and speed management policies reduce unnecessary fuel consumption and energy costs.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Romark Logistics owns and operates a 2-megawatt rooftop solar array on one of its refrigerated locations consisting of 8,512 solar panels and replaces 40% of the total facility utility usage.



Ruan

www.ruan.com

Ruan focuses on utilizing cleaner fuel options, including compressed natural gas (CNG), renewable natural gas, biodiesel blends (primarily B20) and renewable hydrocarbon diesel.

Since starting its CNG program in 2011, Ruan has operated more than 160 CNG trucks that have logged 100 million+ miles on natural gas power, including 80 million miles on renewable natural gas derived from cattle manure. The renewable natural gas has resulted in greenhouse gas reductions of 70,000+ metric tons and millions of pounds of CO₂ emissions reductions. Ruan has recently retrofitted 10 CNG tractors with new ultra-low NO_x engines for operation in California, running on renewable natural gas.

Ruan has purchased well over 150 million gallons of biodiesel blends since 2014, resulting in CO₂ emissions reductions in excess of 350,000 metric tons. Ruan purchases approximately 1 million gallons of renewable diesel annually.

Overall, Ruan has made great strides in improving its MPG percentage, with an 11% increase over the past three years.



GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Ruan has been a SmartWay member since 2014 and has been honored with the SmartWay Excellence Award numerous times. In addition, Ruan is one of only three for-hire transportation companies selected for the National Clean Fleets Partnership (NCFP) membership and participates in their Clean Cities annual study. The NCFP helps fleets implement strategies to advance alternative fuels and energy-efficient vehicle technologies.

Ryder System

www.ryder.com

Ryder invests in alternative fuel technology and other emerging technologies that improve fuel economy and reduce emissions. The company collaborates with electric vehicle manufacturers and companies providing charging infrastructure.



Ryder facilities employ Lean methodologies that continually improve operating processes, maximize efficiency, and minimize waste.

For automotive waste, Ryder contracts vendors who recycle or refine and reuse most of its wastes, including nearly 3 million gallons of used oil from Ryder maintenance and fueling locations.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Ryder has received significant awards and recognition from customers, industry associations, and regulatory communities, such as the U.S. EPA SmartWay High Achiever Award (2020) and SmartWay Excellence Award (2013-2014, 2017, 2021).

Saia LTL Freight

www.saia.com

Saia LTL Freight reduces the impact its operations have on the environment through sustainable business practices, equipment optimization, and more. For instance, in 2021, Saia deployed its first zero-emission, all-electric tractors and launched five compressed natural gas tractors.

Saia sits on Daimler Trucks North America's Electric Vehicle Customer Council and



is evaluating how electric vehicles can support its sustainability goals.

The company is a SmartWay partner and continues to invest in various conservation and recycling efforts.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Saia LTL Freight partnered with Daimler Trucks North America to test a battery electric Freightliner eM2 box truck in its Portland, Oregon, pickup and delivery operations.

Scan Global Logistics

www.scangl.com

Scan Global Logistics has been a SmartWay partner since 2007. In addition to early adoption of the SmartWay partnership program, Scan Global Logistics has been a signatory to the United Nations Global Compact since 2015.

The company's approach to climate change and environmental issues is anchored in science; to that end, Scan Global joined the Science Based Targets initiative and committed to a goal of limiting global warming to 1.5°C and reaching net-zero emissions by 2050.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

In 2021, Scan Global Logistics partnered with Neste, the world's largest producer of sustainable aviation fuel (SAF), to provide an independent solution to decarbonize customers' air freight emissions. Neste's SAF is made from sustainably sourced 100% renewable waste and residue raw materials and can reduce greenhouse gas emissions by up to 80% over the lifecycle compared to fossil jet fuel.

Schneider

www.schneider.com

Schneider has set sustainability goals to reduce CO2 emissions by 7.5% per mile by 2025; achieve a 60% reduction in CO2 emissions per mile by 2035; double its intermodal size by 2030, thus reducing CO2 emissions by an additional 700 million pounds per year; and reach carbon neutrality in all company-owned facilities by 2035.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Schneider has received the SmartWay Award of Excellence from the Environmental Protection Agency every year since its inception.

The Shippers Group

www.theshippersgroup.com

The Shippers Group has been more purposeful in focusing on reducing or eliminating consumer emissions and sustainable living plans for fair compensation, health, and safety. The company helps food and consumer packaged goods companies reduce their carbon footprint through its contract packaging services.

Warehouse customers who use the company's co-packing services substantially reduce the consumption of fuel and emissions by eliminating freight movements.

The Shippers Group bases its procurement decisions on products that minimally impact the environment.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting
- Contract packaging operations

NOTABLE ACHIEVEMENT

In the past year, The Shippers Group has invested nearly \$260,000 in just the recycling of about 7.2 million pounds of recyclable plastics and cardboard.





Southeastern Freight Lines

www.sefl.com

Southeastern Freight Lines' fleet services and operations teams continuously make improvements across its fleet and operations to conserve fuel and reduce environmental impact.

By investing millions of dollars each year in new tractors and trailers, SEFL maintains trade cycles that provide an efficient and dependable fleet. SEFL has been a SmartWay partner since 2004 and remains focused on reducing mobile greenhouse gas emissions.

The company harvests rainwater for irrigation at its South Houston and Fort Lauderdale service centers, and its Support Center and 80 service centers are fully equipped with LED lighting and occupancy/daylight harvesting sensors. Four additional LED retrofits will be completed in 2022.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

The company produces solar energy at three of its service centers and has produced more than 16,400 MWh of electricity since 2013. SEFL will continue to expand renewable energy production in 2022 with a 191.3 kW roof-mounted solar panel system at its support center in Lexington, South Carolina.

Symbia Logistics

www.symbia.com

In 2021, Symbia planted 3,000 trees (20 for each of its 150 clients), with a goal of 50 trees per client in 2022, or 7,500 trees.

The company acquired 130,000 square feet of LEED-certified warehouse

space in Bolingbrook, Illinois, and in Kansas City it attained Warehouse and Repacking Organic Certification for 66,000 square feet of storage.

At each of its warehouses, Symbia operates recycling programs and has installed LED and motion-activated lighting.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting
- Educational outreach

NOTABLE ACHIEVEMENT

Symbia Logistics' forklift fleet is now 92% electric (77 electric, 6 propane).

TCI Transportation

www.tcitransportation.com

With the help of REP Solar, TCI Transportation installed solar PV systems in three of its 10 locations, and counting. This will lead to a decrease in the cost of annual energy bills, as these panels are the equivalent of 38,004 gallons of gas per year, 45 cars off the road per year, planting 275 trees, and powering 62 homes per year.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting



NOTABLE ACHIEVEMENT

TCI Transportation has purchased electric trucks/tractors from GreenPower Motor Company, Nikola, Phoenix Motorcars, and Electric Freightliners.

Transportation Insight Holding Company

www.tiholdco.com

The company runs a robust community affairs program that partners with environmental groups to plant trees and clean rivers in local communities. In 2022, Transportation Insight and Nolan Transportation Group (NTG) employees will plant more than 2,000 trees and remove more than 1,000 lbs. of debris from local waters.

In working with a third-party sustainability party, TI is actively developing programs and guidelines to reduce the carbon footprint of its carriers and shippers.

The company's Beon Shipper and Beon Carrier products and digital solutions limit empty miles, map more efficient routes for carriers and perform load consolidation across LTL and partial loads to reduce trucks on the road.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

NTG is a Smartway Transport Partner. In 2021, the company launched its "Go for Neutral" sustainability program designed to help shippers and carriers reduce their carbon footprint through operations, technology, community affairs, and office space initiatives.

Trinity Logistics

www.trinitylogistics.com

Trinity Logistics is focusing on sustainability through its Responsible Care partnership and EPA Smartway partner membership. Trinity

offsets its carbon footprint through carbonfund.org.

In recent years, Trinity has updated its facilities to more energy-efficient LED lights and uses thermostats on a timer to reduce wasted energy. All of the packaging for Trinity’s lunchwagon program and paper products are recycled as well

GREEN INITIATIVES

- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Trinity Logistics became part of the Responsible Care Partnership in 2009 and strategically develops operating procedures in line with its key principles to ensure the safe arrangement of chemical shipments.

Through Responsible Care, Trinity commits to improve company performance through community awareness and emergency response, security, distribution, employee health and safety, pollution prevention, and process and product safety.

Union Pacific

www.up.com

UP’s commitment to sustainability dates back more than 35 years with the establishment of an industry-first Environmental Management group and is reflected today in its target to reduce absolute Scope 1 and 2 and locomotive well-to-wheel greenhouse gas emissions by 26% by 2030 from a



2018 baseline on the path to net zero emissions by 2050.

UP also will begin using a higher biodiesel blend in locomotives acquired from Wabtec, which helps it work to increase the percentage of low-carbon fuels consumed to 10% of total diesel consumption by 2025 and 20% by 2030.

In 2021, UP estimates its customers eliminated about 22.9 million metric tons of greenhouse gas emissions by choosing rail over truck transportation.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Union Pacific plans to purchase 20 battery-electric locomotives

for testing in yard operations—the largest investment in battery-electric technology by a major U.S. railroad.

UPS

www.ups.com

UPS has committed to 100% carbon neutrality in 2050 and set goals and plans along the way, offering solutions such as carbon neutral shipping, supply chain optimization, and carbon calculators to help shippers with their sustainability journey.

The company’s innovation-driven investments include 30+ urban logistics projects to improve last-mile deliveries in cities, 9,400+ compressed natural gas vehicle purchases, up to 10,000 custom-built all-electric delivery vans from Arrival, 100% renewable electricity in all U.S. data centers (as of Jan. 1, 2022), and 70% renewable sources in European facilities.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels or energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Solar panels

NOTABLE ACHIEVEMENT

Since 2016, UPS has purchased 150 million gallon equivalents of renewable natural gas—the largest purchase commitment in U.S. history.



USA Truck

www.usa-truck.com

USA Truck has been a SmartWay partner since 2005. Among other sustainability initiatives, the company tightened tractor-to-trailer gaps to reduce aero drag, partnered with engine and transmission manufacturers to optimize vehicle parameter settings for optimal fuel economy, and implemented automated transmissions for fuel economy gains.

USA Truck also implemented an ambient air temp-controlled idle control system to reduce idle time for battery charging; tested solar power battery charging for reduced idle, fuel burn, jump starts, and increased capacity; installed trailer skirts to maintain aerodynamic advantage and increase fuel economy; replaced incandescent lighting with LED in all facilities; and purchased 10 electric tractors in 2022.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

In recent years, USA Truck has reduced CO2 emissions by more than 8,800 metric tons and has recycled more than 85 tons of metal.

Wabtec Corporation

www.wabteccorp.com

Wabtec helps its customers reduce their overall carbon footprint through the development of low-emitting

locomotives, such as its Tier 4 and battery-electric locomotives, and the use of alternative fuels such as biodiesel, renewable diesel, and hydrogen.

In 2021, Wabtec delivered the first heavy-haul, 100% battery-electric locomotive, called FLXdrive. Throughout its pilot, the FLXdrive successfully reduced overall fuel consumption by more than 11%—the equivalent of 6,200+ gallons of diesel fuel saved and approximately 69 tons of CO2 emissions reduced.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources

NOTABLE ACHIEVEMENT

In late 2023, Wabtec plans to deliver the next version of the FLXdrive, which is anticipated to further reduce fuel consumption and emissions by up to 30%.



Werner Enterprises

www.werner.com

Werner announced its Environmental, Social & Governance (ESG) initiative in 2020, which enhances efforts to communicate ESG progress to associates, customers, shareholders, suppliers and the general public. The company set a goal to reduce carbon emissions by 55% and plans to double intermodal usage by 2035.

Werner continues to concentrate on sustainability focused advanced equipment technology/features, fuel conservation training, and on-site fuel tank removals to eliminate spillage and contamination risks.

Werner is piloting a number of emerging technologies—battery electric vehicles, renewable diesel, autonomous technologies—to work toward moving a minimum of 30% of its total miles in zero emission vehicles by 2035. In 2021, Werner earned the SmartWay Excellence and SmartWay High Performance awards.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainably source materials
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Since 2007, Werner has eliminated 348 million gallons in fuel consumption, improved fuel efficiency by over 30%, and reduced more than 3.9 million tons of CO2.

Wesco

www.wesco.com

Wesco's approach to sustainability is two-fold: minimize the negative impacts of its own operations and help customers and suppliers attain their sustainability goals through its products and services.

Specifically, from 2016 levels, Wesco reduced landfill waste at its locations by 13%, reduced greenhouse gas emissions by 23%, reduced facility energy intensity by 9%, and improved the fuel efficiency of its trucks by 3%. Wesco also supplies customers with LED lighting, smart building controls, and electric vehicle charging stations.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Use wastewater
- Reduce energy usage
- Solar panels
- Energy-efficient lighting
- Smart building controls

NOTABLE ACHIEVEMENT

In partnership with its customers, Wesco has provided solar and wind

energy products that produced more than 200 million kilowatts of renewable energy generation capacity, with the potential to reduce greenhouse gas emissions equal to 141,883 metric tons of carbon dioxide equivalent.

WSI (Warehouse Specialists, LLC)

www.wsinc.com

WSI is a Responsible Care certified and Responsible Distribution verified 3PL and participates in Ecovadis' Together for Sustainability program, a global program to assess, audit, and improve sustainability practices in the supply chain.

The program's assessments and audits are conducted based on a pre-defined set of criteria and shared across its 30 member chemical companies. These assessments streamline chemical companies' processes to analyze their sustainability efforts and increase visibility for supply chain partners with exemplary practices. Maintaining these certifications holds WSI accountable as a supply chain steward.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reduce energy usage
- Energy-efficient lighting
- Spill prevention

NOTABLE ACHIEVEMENT

The company built a large, state-of-the-art industrial agricultural distribution facility designed to contain and safely drain any spills should there ever be an incident. This was a significant undertaking, requiring the collaboration of a large team of engineers, safety professionals, government officials, and various other stakeholders. Concurrently, other projects focus on improving existing facilities and processes.

Yale Materials Handling Corporation

www.yale.com

Yale continues to add to its lineup of integrated lithium-ion lift trucks, expanding power options throughout the warehousing industry. Innovations in lift truck power have meaningful sustainability and operational benefits. Lithium-ion batteries generate zero harmful emissions while in operation or charging, and a lithium-ion battery pack can last more than four times longer than a lead-acid battery, helping reduce recycling waste.

Going beyond a single source, the Yale Power Suite offers power options across a comprehensive range of lift trucks, for unrestricted choice of hydrogen fuel cells, lithium-ion batteries, internal combustion engines and lead-acid batteries. This choice enables a solution built around an operation's cost, labor, maintenance,

emissions, and space requirements. The result is a more sustainable option that helps eliminate harmful emissions, off-gassing and other hazardous chemicals.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Energy-efficient lighting

NOTABLE ACHIEVEMENTS

Yale's key performance metrics include offering alternatives that enable customers to cost-effectively reduce carbon emissions such as fuel cell engine development and lithium-ion battery powered products. The company aims to reduce carbon emissions by 30% and to achieve zero waste to landfill at all sites.

Yusen Logistics

www.yusen-logistics.com

Current examples of Yusen Logistics' initiatives to reduce greenhouse gas emissions include promoting the use of sustainable aviation fuels and carbon offsetting for ocean freight forwarding services. The company has switched to environment-friendly vehicles in many locations and continues to transition all operations.

Yusen actively promotes the use of LEDs, has installed solar panels and conducts tree-planting activities in cooperation with local governments.

GREEN INITIATIVES

- Reduce greenhouse gas emissions
- Use alternative fuels/energy sources
- Reuse/recycling program
- Reduce energy usage
- Sustainable packaging
- Sustainably source materials
- Solar panels
- Energy-efficient lighting

NOTABLE ACHIEVEMENT

Yusen Logistics set a goal of achieving net-zero emissions for all services it provides to customers by 2050. As an interim goal, it aims to start providing net-zero emissions services by 2030.

