If it’s important to you to do business with sustainable transportation and logistics providers, you’ve come to the right place.

Inbound Logistics’ 75 Green Supply Chain Partners (G75) profiles companies that are demonstrating their commitment to sustainable supply chain, logistics, and transportation practices. IL editors choose the G75 by considering a company’s corporate sustainability initiatives, collaborative customer-driven projects, and participation in public-private partnerships. Four benchmarks carry weight in the decision-making: measurable green results, sustainability innovation, continuous improvement, and industry recognition.

The G75, presented alphabetically, focuses on companies that are leading by example, demonstrating measurable progress over the past few years as they integrate sustainability into their respective enterprises.
APL

APL is on target to reduce carbon exhaust emissions across its global operations by 30 percent by 2015. An influx of new green vessels featuring the latest energy-saving technology, operating at reduced speeds, will support this goal, along with initiatives such as optimizing vessel trim, speed, and routing; improving maintenance on vessel hulls to reduce drag in the water; and upgrading cargo handling equipment at APL terminals.

Agility

Agility tracks its carbon footprint in 70 percent of its worldwide operations, making each facility responsible for its resource consumption and environmental impact. Working closely with shippers, the 3PL uses strategies such as in-transit goods consolidation, which helps achieve emissions goals by reducing packaging weight and the number of pallets used, and eliminating wasted space.

Alliance Shippers

Building its fleet of 53-foot refrigerated containers with the most current technology enables Alliance Shippers to move refrigerated goods via rail, reducing CO₂ emissions by 67.7 percent compared to the same goods moved by truck. As a SmartWay partner, Alliance Shippers continuously strives to improve fuel efficiencies within its refrigerated fleet. Thanks to recent upgrades and new equipment purchases, the company’s fleet is now 95-percent CARB compliant.

American Airlines Cargo

In collaboration with Dallas/Fort Worth International Airport, American Airlines formed the Sustainability Alliance, which improves its environmental footprint through enterprise-wide sustainable practices ranging from alternative fuel vehicle fleets to responsibly managing emissions, water, and energy. In addition, the airline, working with Boeing, successfully piloted the 737-800 ecoDemonstrator program for reduced fuel consumption.

ABF Freight

Since 1976, ABF Freight has been conserving fuel and reducing emissions by voluntarily limiting the maximum speed of its trucks. And since 1994, the carrier has specified all new trucks include computerized engine shut-offs to automatically reduce idling, further limiting fuel consumption and emissions. To promote efficiency, ABF follows an equipment maintenance/replacement program, so the average age of its linehaul tractors is rarely more than two years, ensuring its trucks feature the most current fuel-saving technology.
Averitt

Since joining the SmartWay program in 2004 as a founding partner, Averitt has lowered CO2 emissions by about 27 percent, reduced nitrogen oxide emissions by 50 percent, and cut particulate emissions by 52 percent. The carrier’s fuel conservation efforts include installing electronic technology that gathers data from tractor engine computers to track and measure fuel efficiency at the individual tractor level, and equipping trucks with systems that automatically shut down idling engines. Averitt also established fleet speed limits, and governs tractors accordingly.

Cardinal Logistics

Cardinal’s fleet management comprises governing speed, installing Auxiliary Power Units, and implementing automatic idle shutdown and other modifications to increase fuel efficiency. The 3PL, a SmartWay partner since 2004, is also operating new, lower-emissions equipment and working to reduce fuel consumption, as well as testing renewable fuels, training drivers on proper maintenance and driving habits, and offering incentives for high MPG rates. In addition, dynamic routing reduces road miles and provides backhaul support.

BNSF

A range of technologies support BNSF’s carbon emissions efforts, including the GenSet locomotive – an ultra low-emission, EPA-certified diesel switch locomotive with three low-horsepower engines that only operate when needed, instead of one large engine that runs at all times. BNSF operates 74 GenSet locomotives in Texas and California, saving fuel and reducing air emissions. In addition, more than 70 percent of the railway’s 6,600 locomotives are equipped with idle-control technology, which automatically shuts down locomotives that are not in use.

Cat Lift Trucks

Cat Lift Trucks established an ongoing program to study and follow the EPA’s Tier 4 regulations, aimed at lowering the amount of particulate matter (PM), or soot, released into the environment. The initiative focuses on implementing the new standards across the Cat Lift Trucks diesel truck lineup. The company’s new Tier 4 interim compliant engines reduce PM emissions by up to 90 percent and NOx emissions by up to 50 percent. The engines also provide precise control over the combustion process, and improve fuel efficiency.

Cargo Transporters

To build a greener fleet, Cargo Transporters equipped all its trucks with battery-powered bunk cooling, and all new equipment orders include wide-based tires and aerodynamic skirting to support fuel efficiency. In addition, the carrier’s home terminal features 22 electrified truck parking spaces to power cab cooling.
Celadon
Every new tractor Celadon purchases is SmartWay certified, and equipped with technologies to promote fuel efficiency, including low rolling resistance tires, aerodynamic skirting, external fuel-operated heaters, and idle-control technologies. The carrier’s programs to reduce idling conserve approximately 12,000 gallons of fuel daily, and reduce CO₂ emissions by almost 50,000 tons annually. Reducing idling helped Celadon conserve more than five million gallons of fuel.

C.H. Robinson
C.H. Robinson invests in efficiencies and innovations aimed at reducing waste and improving productivity. These efforts include reducing empty miles—and fuel consumption—by selecting efficient transportation modes and contract carriers for every shipment. The 3PL also develops transportation and network optimization strategies to help shippers achieve savings through consolidation, resulting in fewer shipments and transportation miles, which cuts greenhouse gas emissions.

Con-way Inc.
Each Con-way business unit established initiatives to procure and preserve energy, reduce waste, and recycle. Con-way Freight and Con-way Truckload adjusted speed governors and idle settings in trucks, saving diesel fuel and reducing emissions. Its 3PL business unit, Menlo Worldwide Logistics, introduced its first LEED-certified warehouse, and operates 85 percent of its network miles using SmartWay-approved carriers.

CEVA
CEVA promotes green global operations through eco-sustainable warehousing; technology that saves and generates energy; innovative CO₂ measurement capabilities; and safe, fuel-efficient driving for its vehicle fleet. The 3PL incorporated features such as increased natural light, photovoltaic roof panels, and the use of rainwater run-off into new buildings. In addition, sites in the United Arab Emirates and Singapore are LEED-certified. CEVA provides shippers timely, accurate CO₂ measurement. In 2013, the company reduced one shipper’s CO₂ emissions 60 percent by integrating nine European warehouses into one central distribution center.

CHEP
CHEP’s pallet pooling program facilitates appropriate end-of-life management, maximizing material reuse and diverting residual material from landfills. The network also enables more efficient transport distances between CHEP and shipper distribution and retail locations, which saves fuel, reduces transportation costs, and lowers CO₂ emissions. The company’s GreenLanes program helps shippers increase productivity and eliminate unnecessary empty return truck trips by working with third-party transport companies to fill empty space on shipper or transportation provider trucks.
Covenant Transport

Since mid-2013, Covenant Transport has purchased 550 Freightliner Cascadia Evolution trucks that feature the latest engine efficiency technologies and advanced aerodynamics to significantly increase fuel economy. The carrier, a SmartWay partner since 2006, plans to add another 700 new Evolution trucks to its fleet by 2015. Additional fuel-saving measures include installing trailer skirts on all new trailers, retrofitting older models with skirts to remain CARB-compliant, and using fuel-efficient tires on all tractors.

Conitex Sonoco

Conitex Sonoco’s LoadRunner corrugated pallets are 100-percent recyclable, and made from 75-percent recycled materials. In addition, the pallets’ lighter weight reduces fuel usage during transport. The company’s BulkSak FIBC bulk shipping bags are repaired, cleaned, and reused to extend the product lifecycle, then recycled at end of life. Since 2011, Conitex Sonoco’s manufacturing plant in Arkansas has been operating under a sustainability program that includes a no-landfill initiative.

C.R. England

Along with expanding its dedicated fleet with 10 new LNG tractors, C.R. England grew its intermodal network significantly, and plans to add 450 containers in 2014. The carrier is increasing tractor and trailer aerodynamics, and fuel efficiency, through the use of wheel covers, trailer tails, and side skirts. To reduce idling, C.R. England uses bunk heaters, as well as IdleAir, a service that allows a driver to turn the truck’s engine off and still have the benefit of conditioned air and 120v power without the environmental impact associated with an idling truck. The company is also testing platooning – linking two pairs of trucks that travel close together to draft off one another to increase aerodynamics.

Crown Equipment Corporation

Crown builds energy efficiency into its products. For example, its RM 6000 Series reach trucks and TSP 6500/7000 Series turret trucks reduce energy consumption by returning energy to the battery during the lowering function. This feature supports fewer battery changes, boosts productivity, increases operating time, and provides 12 to 15 percent more run-time, for improved energy utilization and reduced costs. Both eco-friendly trucks reduce the energy required to run warehouses, and, with lift heights up to 505 inches and 675 inches, respectively, allow facilities to store more product in a smaller footprint.
INBOUND LOGISTICS’ 75 GREEN SUPPLY CHAIN PARTNERS

DSC Logistics
DSC’s sustainability goals focus on three strategic areas: supply chain network modeling and design, logistics center management, and transportation management services. Designing and implementing more efficient supply chain networks has significantly reduced carbon footprints. The 3PL’s facilities maintain recycling, efficient lighting, and water and energy use reduction programs. In addition, electric forklifts make up 95 percent of DSC’s forklift fleet. The company’s goals include further waste stream reductions, Lean initiatives focused on cutting waste, and strategic supply chain modeling activities concentrated on reducing logistics center footprints.

DB Schenker
DC Schenker’s corporate goals target attaining Eco Pioneer status by 2020, which includes reducing CO₂ emissions by 20 percent. To attain this goal, the company developed fuel-efficient driver training programs, resource-efficiency programs to reduce resource consumption at warehouse facilities, and intermodal initiatives aimed at determining the best modal shift, optimal route, and most suitable carrier for every load.

CSX
Applying friction modifiers and idle-reducing technologies to its locomotives allows the railway to increase fuel savings and reduce greenhouse gas emissions. CSX is also using trailing unit shutdown to optimize locomotive horsepower. This technology depowers non-lead locomotives when not in use, creating significant fuel savings without any effect on velocity or reliability. In 2013, the company saved 1.8 million gallons of fuel by implementing trailing unit shutdown.

Deutsche Post DHL
In 2013, Deutsche Post DHL launched its StreetScooter electric delivery vehicle pilot project in Germany. In addition, the company offers shippers a range of GoGreen environmental service solutions worldwide. Both efforts support the goal Deutsche Post DHL set in 2008: to achieve 30-percent CO₂ efficiency improvement by 2020. To date, the company has improved its CO₂ efficiency by 18 percent compared to the 2007 base year.

FedEx
In 2013, FedEx implemented six new Fuel Sense initiatives, which collectively saved 6.15 million gallons of jet fuel, and avoided 59,423 metric tons of CO₂ emissions. The company’s 40 total Fuel Sense initiatives saved 59.8 million gallons of jet fuel and 636,160 tons of CO₂ emissions in 2013. Since 2007, the Fuel Sense program has saved 247 million gallons of jet fuel and reduced annual fuel burn by five percent.
Geodis Wilson
In 2008, global transportation provider Geodis Wilson established its Blue Attitude sustainable development program, working with customers to help them maintain their own green strategies. The company also adheres to its constant commitment to minimize pollution and consumption of fuel, paper, energy, and water, and reduce the environmental impact of whatever waste it must dispose of.

Freightliner
As part of Daimler AG’s Shaping Future Transportation initiative, which strives to dramatically reduce fuel consumption and exhaust emissions in commercial vehicles of all classes, Freightliner Trucks offers one of the only conventional natural gas truck solutions in the industry. Available with liquefied natural gas or compressed natural gas fuel tanks, Freightliner’s natural gas trucks and tractors are designed for high performance in a broad range of applications. The company’s Cascadia 113, M2 112, and 114SD trucks are all available in natural gas-fueled day cabs.

GENCO
GENCO’s Sustainability Commitment is to make sustainability an element of its entire operation. GENCO has recycled more than 12,000 tons of material; reduced electric consumption by more than 50 million kWh; and achieved zero-waste-to-landfill in two facilities, with additional facilities in process. Additionally, GENCO has achieved Class-G Facility Certification at 53 facilities; initiated an Energy Usage Tracking portal on the GENCO intranet; and participates in the EPA’s SmartWay program.

Georgia Ports Authority
The Georgia Ports Authority recently created 13.8 acres of wetlands over a period of 2.5 years. The project treats 100 million gallons of stormwater annually, and creates natural wildlife habitats in the heart of the Port of Savannah. Other sustainability initiatives at the port include 16 silt suspension units, the release of 212,000 turtle hatchlings, and electrifying all 27 of the port’s ship-to-shore cranes to save more than 1.8 million gallons of diesel fuel annually.

Hub Group
Hub Group’s intermodal conversion initiative focuses on helping shippers shift cargo to modes that reduce emissions and fuel consumption. Another initiative is to shift 75 percent of Hub Group Trucking’s 550 tractors to day cabs by the end of 2014 to save on idle time. In addition, some of the company’s trucking terminals are reducing environmental impact by operating on biodiesel. Hub Group’s corporate headquarters in Oak Brook, Ill., has been LEED Gold certified. The company is also an EPA SmartWay partner.
Kenco Logistic Services

In 2013, Kenco upgraded lighting at two facilities in Tennessee and Pennsylvania. The lighting array saved about 222,170 kWh annually, and is anticipated to reduce greenhouse gas emission by 137.2 tons annually (the air-scrubbing equivalent of a 37.9-acre forest). Additional sustainability initiatives at Kenco include employing a full-time Leader of Sustainability to oversee and drive sustainability initiatives; recycling materials; using LEED-certified buildings; conserving energy using modern technology; utilizing hybrid automobiles in the company fleet; optimizing networks to reduce waste; installing new window film at corporate headquarters.

IFCO Systems

IFCO Systems’ returnable plastic containers (RPCs) provide produce shippers a sustainable packaging alternative to corrugated boxes. When compared to shipping the same amount of produce in corrugated boxes, the RPCs generate 82 percent less solid waste, consume 92 percent less water, require 49 percent lower energy demand, and reduce ozone depletion by 76 percent. For every 1,000 pounds of produce shipped in IFCO RPCs instead of standard boxes, growers and retailers save 13 pounds of solid waste, more than 200 kWh of energy, and 360 gallons of water.

J.B. Hunt

J.B. Hunt provides shippers with its Cool Transport service, designed in cooperation with BlueSource LLC, which offsets verified emission reduction credits with existing J.B. Hunt transportation offerings to create carbon-neutral transportation solutions. The company also focuses on converting over-the-road shipments to intermodal shipments, saving more than 200 gallons of fuel and two tons of carbon gas emissions per shipment. Other innovations include reducing empty miles and engine idling, governing top speed, optimizing mileage, using biodiesel fuels when available and appropriate, installing aerodynamic body moldings on tractors, and training drivers to be more efficient.
Lufthansa initiated a weight loss program on its cargo fleet to reduce fuel consumption. Through the initiative, all objects not absolutely required on board were expelled from the airline’s MD11 cargo planes, reducing the weight of the plane by 77 pounds. While the accomplishment seems small, the fuel requirement of the MD11 fleet drops by 88 tons, which corresponds to 275 tons of carbon emissions. Lufthansa has also been researching biofuels in its flight operations, and has made a commitment to reduce emissions 25 percent by 2020.

Landoll offers multiple products that support greener warehouse and manufacturing operations. For example, the company provides lift trucks powered by lower-emissions fueling alternatives such as liquefied petroleum gas. Additionally, Landoll’s Bendi Electric Narrow Aisle line of lift trucks helps save fuel and reduce an operation’s carbon footprint without sacrificing lifting power.

LEGACY Supply Chain Services
LEGACY is committed to improving its facility and office operations to support green practices and integrate an environmentally friendly business model, and understands that every green practice, whether large or small, creates an impact on the environment. The SmartWay partner supports its sustainability mission through its own facility operations, as well as by helping its customers develop environmentally friendly initiatives in their own facilities. LEGACY also implements green practices in its maintenance facilities by recycling fluids, batteries, tires, and other appropriate products.

Kenworth provides fuel-saving technology solutions that help increase fuel efficiency and reduce emissions. The company’s green fleet initiatives include the use of aerodynamic trucks, compressed and liquefied natural gas trucks, and medium duty diesel-electric hybrids. Among the company’s natural gas truck offerings is the T680 natural gas truck, in both sleeper and daycab configurations, to provide the option of using natural gas in both short- and long-haul operations. In addition to its green truck initiatives, Kenworth’s parent company, PACCAR, reduced greenhouse gas emissions intensity at manufacturing facilities worldwide by 29 percent.
Lynden
Lynden’s sustainability policy calls for meeting or exceeding environmental regulations, maximizing fuel efficiency, and monitoring and guarding against accidents, emissions, and avoidable pollution. The company has been an EPA SmartWay partner since 2008, and its truck fleet is among the most fuel efficient in the nation, according to SmartWay’s program criteria. The use of routing software, side skirts, wide-base single tires, and idle-reduction equipment has also contributed to achieving Lynden’s fuel savings and emissions reduction goals.

Maryland Port Administration
With a grant from the U.S. Environmental Protection Agency (EPA), the Maryland Port Administration can continue the Port of Baltimore’s dray truck replacement program to March of 2016. The grant will help Baltimore replace at least 22 older dray trucks with newer, cleaner trucks that meet or exceed 2010 EPA emission certified engine standards. The EPA also recognized the Maryland Port Administration for several other environmental initiatives, including its dredged material management program, which reuses dredged material in innovative ways such as wetland restoration and island re-creation; and the clean diesel program, which installs cleaner-running engines in port equipment including locomotives and harbor craft.

Maersk Line
Since the Maersk Group launched its first sustainability strategy in 2010, it has made demonstrated progress based on a systematic approach of integrating sustainability into its operations. Maersk Line set a target in 2007 to reduce CO₂ emissions by 25 percent by 2020. The shipping line met that goal eight years early in 2012, and has adjusted the goal to a 40-percent reduction from 2007 levels by 2020.

Murphy Warehouse Co.
Murphy Warehouse Company has made environmental sustainability a cornerstone of its long-term business strategy. Through a comprehensive environmental management system, the company has made significant investments to upgrade its campuses sustainably. Murphy earned LEED Gold, LEED Silver, ISO 14001:2004 and ENERGY STAR certifications at many of its facilities, while two more facilities are currently in the process of earning these certifications, with one targeted for LEED Platinum.

NFI
NFI ranks in the top 20 percent of SmartWay partners for overall environmental performance, and the EPA awarded NFI the SmartWay Excellence Award three times in recognition of its sustainability efforts. NFI runs natural gas fleets in California and Texas, with a Pennsylvania fleet launching soon, and the company’s trucks use AirTabs, trailer skirts, and speed limiters to decrease fuel usage. Many of NFI’s facilities, including its corporate headquarters, run on solar power, and these initiatives have eliminated more than 13 million pounds of CO₂. NFI recycles 360 tons of plastic and 11,000 tons of cardboard each year, and it reduced plastic film usage by 57 percent in 2013 by converting to high-performance stretch film.
Norfolk Southern

Norfolk Southern works carefully to achieve balance between the environment and business operations. The railway has completed a large portion of its Trees and Trains project, an initiative to reforest 10,000 acres with more than six million native hardwoods and cottonwoods in the Mississippi Delta. The reforested land eventually will generate 1.12 million tons of carbon-offset credits, equivalent to one-fifth of Norfolk Southern’s annual carbon emissions. The company has also made significant infrastructure investments. For example, its Crescent Corridor spans 11 states, and has the potential to divert long-haul freight from trucks to trains, and reduce greenhouse gases by 1.9 million tons annually, when fully developed.

Old Dominion Freight Line

In 2013, Old Dominion Freight Line’s sustainability initiatives saved the company 60,911 tons of CO₂, the equivalent of removing 11,633 cars from the road or saving enough electricity to power 7,601 homes per year. Green initiatives for this EPA SmartWay partner include use of wide-based tires, reduced highway speeds, idle reduction, automatic tire inflation, improved freight logistics, improved aerodynamics, longer combination vehicles, side skirts for trailers, and special driver training programs. Combined, these initiatives enabled Old Dominion to reduce fuel consumption more than six percent since the initiative launched.

ORBIS Corporation

As a manufacturer of reusable plastic packaging, pallets, containers, dunnage, and bulk systems, ORBIS Corporation helps users design solutions and execute reusable packaging programs for long-term sustainability. ORBIS offers environmental and economic analysis services that help companies calculate the impact of reusable packaging on efficiency and bottom lines. Through lifecycle assessments to compare reusable and single-use packaging, ORBIS helps companies reduce greenhouse gas emissions, solid waste, and energy usage. The company also tracks and measures its own resource utilization to continuously conserve natural resources and reduce waste.

OOCL

OOCL won the Green Flag and Green Ship awards from the Port of Long Beach for slowing down in the harbor and reducing smog-forming emissions and diesel particulates from ships. Additionally, OOCL equips its facilities with Alternative Maritime Power Systems, which allow vessels to use shore-supplied electricity instead of burning fuel when at berth. The shipping line also is a member company of the Clean Cargo Working Group, which actively works to improve environmental performance in marine container transport through measurement, evaluation, and reporting.
In 2013, PITT OHIO improved miles per gallon by 1.8 percent in its fleet. The carrier also reduced its electricity usage by almost 0.5 percent, and reduced carbon output by 1.4 percent over 2012 levels. PITT OHIO is currently working toward a clean fuel CNG truck pilot, and installed green solutions at its buildings where possible. The installation of solar panels made the company’s East Windsor facility energy-neutral. The carrier uses its carbon calculator to help shippers understand their Scope 3 greenhouse gas emissions. PITT OHIO received the Heinz Endowment’s First Breathe Award, and qualified at Challenger level for Sustainable Pittsburgh’s Business Compact.

Port of Los Angeles

The Port of Los Angeles continues to develop innovative programs and partnerships to reduce ocean-going vessel (OGV) emissions. The port has made significant progress on pre-existing OGV emissions reduction programs, such as the Vessel Speed Reduction Incentive Program, use of low sulfur fuel, and use of Alternative Maritime Power. The Port of Los Angeles has been instrumental in launching the Environmental Ship Index, which rewards ocean carriers for bringing their newest and cleanest vessels to the port. In 2005, the Port of Los Angeles implemented the Clean Truck Program, which replaces older polluting drayage trucks with cleaner trucks, through a progressive ban on older technologies.

Performance Team

Performance Team (PT) continuously evaluates and implements processes, technologies, and products to drive green efforts and generate measurable results. PT relocated its South Carolina transload facility to an on-port terminal, eliminating 50 round-trip miles of drayage to inland Charleston operations. The 3PL recently implemented the Ride-On Tire Protection System across its fleet. This non-toxic, non-flammable, readily biodegradable/recyclable tire additive acts as a balancer, pressure maintainer, and flat preventer to improve fuel efficiency by up to three percent, and extend the useful life of tires by up to 25 percent. Performance Team is a member of the Coalition for Responsible Transportation, and a SmartWay partner.

Penske Logistics

Penske Logistics’ sustainability efforts include ongoing evaluation and implementation of new technologies including alternative fuels, proper specification of late-model vehicles, idle-control and aerodynamic devices, rigorous management controls, and monitoring of fuel economy at the driver and route level. These fleet efficiencies reduced CO₂ by 32 percent, NOx by 33 percent, and particulate matter by 60 percent since 2008, and earned Penske Logistics the 2013 SmartWay Excellence Award from the EPA. In addition, Penske implements solid waste reduction initiatives, supports renewable energy generation, conducts an annual greenhouse gas emission inventory, and discloses greenhouse gas emissions to the Carbon Disclosure Project.

PICO Pallet

PICO Pallet was founded on the principle of reusing pallets to conserve resources. PICO’s wood block pallets are built from responsibly forested timber, and are continually repaired, reused, and recycled. No harmful chemicals or hazardous materials are used on PICO pallets, and all materials are eventually reused or recycled. By efficiently managing a controlled pallet pool, PICO pallets are turned an average of four times per year. Strict control and maintenance standards extend pallet life to more than 10 years. PICO Pallet’s operations and logistics teams work closely with manufacturers, retailers, and depots to reduce miles, ensure full truckloads, and improve efficiency.

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Port of Long Beach

In 2006, the Ports of Long Beach and Los Angeles adopted The Clean Air Action Plan. In addition to that initiative, the Port of Long Beach began landscaping projects, conducted in accordance with the port’s Sustainable Landscape Palette, which describes appropriate native and drought-tolerant species for the locale. A pilot solar car port has been up and running at the port for almost one year. The car port is the first step in a process that will maximize renewable energy through the Harbor District. The port also incorporates green building principles into new building design through the U.S. Green Building Council’s LEED certification program.

Port of Tacoma

Among its sustainability efforts, the Port of Tacoma cleaned up legacy contamination to return more than 420 acres of property to productive use under protective measures; preserved more than 70 acres of open space to serve as a natural buffer between industrial operations and residential areas; pioneered low-impact development technologies to treat industrial stormwater runoff; purchased offsets to support renewable green power projects in Washington and Oregon; retrofitted a marine cargo terminal to allow ships to plug into electric shore power to reduce diesel and greenhouse gas emissions; and developed the Northwest Ports Clean Air Strategy, in partnership with the ports of Seattle and Metro Vancouver, B.C., to reduce port-related emissions.

Railex

As a SmartWay partner, Railex provides cold chain 3PL services that reduce environmental impact. Railex’s temperature-controlled private rail system is an environmentally friendlier alternative to cross-country truck shipments. Since 2006, Railex has removed the need for more than 429 million long-haul truck freight miles, which saved approximately 68 million gallons of diesel fuel and more than 1.4 million tons of carbon emissions from being released into the atmosphere.

The Raymond Corporation

To help warehouses and DCs achieve more sustainable materials handling operations, The Raymond Corporation delivers Eco-Performance, an approach to designing and engineering forklift solutions for maximum economic and ecological benefits. According to United States Auto Club testing, the Raymond Swing-Reach forklift uses up to 40 percent less energy; the Raymond Reach-Fork forklift uses up to 21 percent less energy; and the Raymond Model 4250 stand-up counterbalanced forklift uses up to 17 percent less energy than other models. Raymond forklifts enable less forklift battery charging, increasing materials handling equipment uptime; reduce CO2 emissions, reducing carbon footprint; and offer faster material handling cycle times, allowing for more pallet moves.

Port of Seattle

The Port of Seattle has undertaken several policies to support its environmental stewardship and energy efficiency. It plans to reduce air pollutant emissions by 50 percent from 2005 levels; reduce carbon emissions from all port operations by 50 percent from 2005 levels; and reduce aircraft-related greenhouse gas emissions at Sea-Tac by 25 percent. The Port of Seattle will meet future growth in energy usage through conservation and renewable sources. It also is working to prevent sprawl in less-developed areas of Puget Sound by anchoring the region’s urban industrial land use.
Ruan

Ruan utilizes a variety of environmentally friendly strategies, including idle reduction and auxiliary power unit usage, low-viscosity lubricants, reduced highway speeds, lightweight equipment, paperless technologies and processes, and driver training with an emphasis on safety and fuel consumption. The carrier continually investigates new, sustainable fuel options such as compressed natural gas (CNG), and currently operates one of the largest heavy-duty CNG fleets in the country hauling dairy products in Indiana. The use of CNG at this operation eliminates 1.8 million gallons of diesel fuel annually. Ruan is a longstanding SmartWay partner, and a SmartWay Excellence Award winner in 2012 and 2013.

Ryder

Ryder has been committed to energy conservation for more than one decade. The 3PL is currently tracking energy use and measuring greenhouse gas emissions from select Ryder-owned/operated stationary sources in the United States and Canada, utilizing an external utility specialist. The new RydeGreen line of tractors and trailers, designed to reduce fuel consumption and greenhouse gas emissions, offers shippers the latest technology and design to help reduce idling and improve fuel efficiency. In 2006, Ryder committed to a “one-fuel” policy, converting all fueling locations to low emissions Ultra Low Sulfur Diesel (ULSD) fuel. The company is currently delivering 100 percent ULSD at all fueling locations.

Saddle Creek Logistics Services

Sustainability is an integral part of Saddle Creek’s supply chain strategies. Examples include: a new compressed natural gas fleet that helps to reduce carbon footprint while making deliveries in Florida and Georgia; strategically positioning distribution centers to minimize shippers’ transportation requirements and carbon footprint; adding trailer skirts to make tractors more aerodynamic; and using low-resistance tires. Saddle Creek decreased electricity, water, and fuel consumption across all its facilities nationwide, and recycles thousands of pounds of materials each year.

South Carolina Ports Authority

The South Carolina Ports Authority (SCPA) demonstrates its commitment to sustainability through several initiatives. Its Clean Truck Certification Program requires that all dray trucks calling the container terminals must certify that their engine year is 1994 or newer. By keeping the oldest, dirtiest trucks off the terminals, SCPA is improving air quality on the terminal and throughout the Charleston region. In addition, SCPA operates a network of air monitors in its container terminals, ensuring that port-related activity does not create air quality problems around its facilities. The port enforces a no-idling policy around its facilities, and is aggressively pursuing the use of natural gas for port operations.

Saia LTL Freight

Saia LTL Freight operates and maintains green initiatives, including a no-idling policy, aggressive equipment maintenance schedule, and trailer skirt installation. Through investing in technology and driver training for a progressive shifting program, more than 75 percent of Saia drivers make 85 percent of shifts in the optimal range. Three years into this progressive shifting program, Saia’s fleet increased to 6.3 MPG, which reduces the amount of diesel fuel consumed by approximately 775,000 gallons. In 2013, Saia invested $122 million in new fuel-efficient equipment that produces cleaner emissions; in 2014, the carrier plans to spend close to $100 million on new equipment and technology.
Transplace

As a non-asset based 3PL, Transplace’s primary means to reduce emissions and save on fuel is determined by the transportation service providers and modes it chooses. Transplace utilizes proprietary technology that allows it to search for SmartWay carriers as a carrier selection criterion. In addition, Transplace is continually looking at opportunities to convert truckload freight to intermodal or rail providers. It also employs technology that enables shippers to consolidate orders into environmentally conscious routings, mode selections, and carrier assignments. The company also works with private/ dedicated fleet operations and other private fleets to increase backhauls and reduce the number of trucks on the road.

Toyota Material Handling U.S.A. Inc.

All Toyota Material Handling U.S.A. internal combustion and sit-down electric lift trucks sold in North America are produced at the Toyota Industrial Equipment Mfg. Inc. manufacturing facility in Columbus, Ind., a zero-landfill plant. During the manufacturing process, Toyota analyzes and minimizes the environmental impact of each product at every stage of the production cycle. This process helped Toyota’s lift truck plant in Columbus reduce volatile organic compound emissions by 33 percent, cut hazardous air pollutant emissions by 80 percent, reduce energy consumption by 40 percent, and lower natural gas consumption by 65 percent.

TransGroup Worldwide Logistics

TransGroup was the first 3PL to become a SmartWay partner, and continues to evolve that partnership with new services and technologies. TransGroup is committed to improving its environmental knowledge and impacts by collaborating with shippers, the SmartWay Transport Partnership, and its carrier base to identify and reduce the environmental impacts of its collective freight transportation and logistics operations. TransNeutral, TransGroup’s eco-responsible transport logistics solutions, help to do just that. Examples of TransNeutral services include limiting greenhouse gas emissions in warehousing and distribution operations; asset recovery and reverse logistics; end-of-product-lifecycle disposition; and shipment emission metrics.

SDV

SDV’s SAVE PROGRAM helps shippers design and maintain an eco-responsible supply chain. This solution regularly monitors the carbon footprint of shipments, with a CO₂ calculator directly linked to SDV’s transportation management system; optimizes the supply chain and reduces CO₂ emissions with a comprehensive diagnosis of shippers’ logistics systems; offers consultancy to help shippers progress toward continuous sustainability improvement; and aims to achieve a carbon-neutral logistics system and contribute to global sustainable development initiatives.

Schneider

Through new technology improvements such as low-emission engines, aerodynamic tractors and trailers, and low-rolling resistance tires; and operational improvements including increased tire inflation standards and more frequent maintenance, Schneider has improved fuel efficiency 13 percent since 2008. The carrier annually saves more than 26 million gallons of fuel, and reduces carbon dioxide emissions by more than 300,000 tons. It also voluntarily slowed its fleet to 60 MPH, which saves an additional 3.6 million gallons of diesel fuel and eliminates 42,000 tons of carbon dioxide emissions annually. Schneider was recognized with the SmartWay Award of Excellence five times since 2005.

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Transportation Insight

Transportation Insight provides shippers Lean supply chain solutions that result in reduced carbon emissions, lower mileage, and lower fuel costs, while optimizing their supply chain. Through use of the company’s Insight TMS, shippers achieve green supply chain results via optimal transportation mode and carrier selection. It also streamlines and optimizes supply chain networks based on simulation with historical data, reducing energy costs, mileage, and fuel usage. Transportation Insight is a SmartWay partner, and works with the EPA on programs designed to increase energy efficiency while significantly reducing greenhouse gases and air pollution.

U.S. Xpress

U.S. Xpress continues to develop and strengthen its policies and programs relative to environmental sustainability. The carrier’s focus on conservation and research helped develop green initiatives that offer a payback in savings to both the bottom line and the environment through truck alterations such as fuel-efficient tires, aerodynamic mud flaps, engine controller-based fuel incentive program, road speed limit policies, and a true GPS dual-mode satellite communications system to improve routing and conserve fuel. In addition, in 2013, U.S. Xpress saved 65 tons of paper, 1,100 trees, 450,000 gallons of water, 270,000 kWh of electricity, and 30,000 gallons of oil through its sustainability efforts.

UTi

UTi crystallized the implications of its business activities on the environment into UTi thinkgreen. Current thinkgreen activities include calculating shippers’ carbon footprints based on greenhouse gas protocol standards; integrating sustainability into UTi’s global ISO 9001:2008 quality compliance effort, and piloting ISO 14001 in some regions; expanding network and route optimization capabilities to analyze and report the green impact of various scenarios for shippers; and working with shippers to establish LEED-certified buildings.

Union Pacific

Union Pacific’s environmental initiatives and accomplishments include: eliminating an estimated 33.7 million metric tons of greenhouse gases due to shippers choosing rail over truck transportation; diverting from landfills more than 830,000 million tons of waste, which accounts for an estimated 77 percent of the company’s waste; recycling or distributing more than 400,000 pounds of electronic equipment and nearly 1.4 million pounds of signal batteries; and testing an ultra-low emitting GenSet locomotive fitted with diesel particulate filters to further reduce particulate matter emissions beyond its normal low level.

UPS

The UPS global network reduces the supply chain emissions of 8.8 million customers daily through intermodal shifting, network optimization, and fleet/facility efficiency measures. UPS intermodal shifting avoided approximately 3.3 million metric tons of carbon emissions in 2012 alone, while UPS maintains one of the largest private alternative fuel fleets in the industry with more than 3,100 alternative fuel and advanced technology vehicles. Measures such as retrofitting Boeing 767 aircraft with winglets to boost aerodynamic efficiency allow UPS to reduce more than 68,000 tons of CO₂ annually through its air fleet.
**Weber Logistics**

Since 2009, Weber has reduced fleet carbon emissions by 37 percent — the equivalent of removing 2,047 cars from the road every year. Weber was one of the first members of the EPA SmartWay emissions reductions program, and its fleet maintains the highest EPA rating available. Weber’s drayage solution uses only clean-certified trucks at ports and rail yards, meeting EPA standards for 2007-model clean-diesel trucks. Innovative lighting solutions in Weber warehouses cut electrical consumption. To reduce empty miles, the company continuously optimizes last-mile logistics and uses partner carriers in some areas to reduce travel. Inside the warehouse, Weber replaced many gas-powered materials handling units with battery-powered units.

**Yale**

Yale’s commitment to all environmental initiatives is reinforced through participation in developing industry standards to adopt green technologies safely and reliably. Yale has used low Volatile Organic Compound (VOC) paints for more than 10 years, and introduced powder coating as an alternative to traditional painting to further reduce VOCs. Electrical and natural gas usage is monitored as part of an energy consumption management program. All Yale sites have focused programs for extensive recycling, and maintain programs to recycle lift truck batteries, tires, and oil, both for internal operations and for customers. Yale’s manufacturing facilities are ISO 14001 certified.

**YRC Worldwide Inc.**

The transportation providers of YRC Worldwide aggressively address greenhouse gas reduction strategies by limiting truck speeds to 62/63 MPH, extensively using intermodal service with railroad providers, setting limits on daily idling with over-the-road and city operations, using environmentally efficient longer combination vehicles where allowed, and practicing one of the most aggressive tire pressure inflation and monitoring programs in the industry. YRC’s large-scale network optimization strategy continually reduces empty mile percentages, and creates new lane densities that optimize equipment use. The network of service centers allows YRC to effectively “car pool” for shipments.

**Yusen Logistics (Americas)**

To improve energy efficiency and reduce environmental impact, Yusen Logistics (Americas) installed a SmartWatt Energy lighting system in its 225,000-square-foot warehouse in Port Murray, N.J. The company replaced more than 300 lamps with energy-efficient T5 and T8 lamps combined with electronic ballasts and sensors to improve lighting standards, as well as generate significant energy and maintenance cost savings. Yusen Logistics expects an 81.7 percent reduction in total annual lighting costs, including a power savings consumption of 83 percent compared to the previous year. In addition, the system will eliminate 762,678 pounds of carbon dioxide each year.

**Werner Enterprises**

Werner continues to significantly improve miles per gallon and reduce emissions through advanced sustainability initiatives and capital investments. Since 2007, Werner has conserved more than 100 million gallons of fuel, and reduced its carbon footprint by more than one million tons based on MPG improvements alone. A winner of the 2013 SmartWay Excellence Award, Werner utilizes industry-leading sustainability technologies, such as diesel-fired heating systems to reduce truck idle time; aerodynamic trucks; its own ArrowShield trailer skirts; tire inflation systems; and the newest diesel technology. Recently, Werner announced it would add 10 compressed natural gas trucks to its fleet.