

## Strategies to Green Your Supply Chain

Adopting green designs and processes enables companies to reduce risk, build value for customers, and ultimately become more efficient, agile, and profitable. Ryder is actively leveraging its industry expertise and the latest technologies to help customers execute environmentally sound operational practices.

Specific hard-dollar returns depend on many factors. The most successful green initiatives set targets, benchmark performance, and measure progress. Many goals address larger business issues and non-financial gains, including environmental and customer service objectives.

Of course, significantly reducing the environmental impact of supply chain activities requires the collaboration of like-minded partners who are willing to look at their businesses differently and make necessary investments to green their supply chain footprint.

Below are several ways companies can begin to reduce waste, conserve energy, improve efficiencies, and control emissions. For additional strategies, visit [www.ryder.com/greencenter](http://www.ryder.com/greencenter).

### Warehousing and Distribution

#### **Integrate energy conservation strategies in the warehouse to reduce reliance on greenhouse gas-producing sources**

- Set targets for reduction of energy consumption and conduct annual audits to ensure progress
- Use low-voltage lighting and install motion sensors or timers on lighting systems
- Conduct regular facility inspections to identify opportunities to upgrade the building envelope (i.e. roofing, doors, and windows) or to repair leaking water pipes and irrigation systems

#### **Integrate real-time inventory visibility in the warehouse to reduce unnecessary trips and wasteful inventory obsolescence**

- Leverage innovative technology to streamline and improve the accuracy of inventory levels
- Create a closed-loop system for reporting and reconciling inventory levels with front-office

#### **Optimize distribution networks to require fewer trips, less idling, and lower overall delivery costs**

- Establish regional distribution centers to serve customers based on demand
- Optimize and consolidate routes to reduce the number of loads overall

## Transportation

### **Align inbound and outbound shipments to reduce carbon emissions with less fuel and speed cash-to-cash cycles**

- Connect in real-time to customers to synchronize returns with maximized fleet use (i.e. backhauls)
- Coordinate supplier shipments to consolidate freight costs and negotiate better rates

### **Automate transportation management systems**

- Switch to an electronic freight, bill, audit and payment process to reduce or eliminate paper transactions
- Synchronize with warehouse operations to extend efficiency

### **Consider a dedicated fleet solution**

- Control routes, fuel consumption, and idle time
- Enhance driver training with courses that improve driving skills and performance, and teach drivers simple techniques to reduce fuel consumption

## Assets & Equipment

### **Spec equipment to maximize fuel efficiency and reduce emissions**

- Retire and replace old engines in fleets with newer, lower emission engines
- Configure trailers with aerodynamic features and weight-saving designs
- Follow guidelines provided by the Environmental Protection Agency's SmartWay® Transport program when specifying vehicles

### **Leverage vehicle diagnostics and other telematics-based solutions**

- Tap into web-based fleet data to analyze trends in real time and recognize opportunities for increased efficiencies
- Monitor for excess speed, braking, fuel usage, and idling
- Ensure driver compliance with route optimization

### **Implement rigorous preventative maintenance to optimize fleet performance**

- Create rigorous fleet maintenance schedules for even the most routine care
- Check tire conditions and inflation rates every time a vehicle stops to fuel

### **Modify fuel sourcing strategies to reduce carbon emissions**

- Look at alternative fuel sources such as ultra-low sulfur diesel
- Monitor fuel storage tanks for leaks