
Improving Efficiency and Reducing Emissions at Ports

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SmartWay Transport Partnership

- In 2004, we were approached by IKEA, a major shipping company, and encouraged to join SmartWay
- Upon joining SmartWay in February 2004, we began evaluating ways through which we could improve efficiency at ports and decrease emissions. Methods we began evaluating include:
 - Idle reduction programs
 - Installation of APUs or direct-fired heaters in the sleeper bunks.
 - Our pre-pass devices in our Express trucks to avoid delays waiting in line at the truck scales across the state.
 - Smith System -Defensive driving and fuel efficiency program
- IKEA now has a company-wide policy in place—they will only ship freight with SmartWay carriers. In fact, we are meeting with them this week to discuss our participation in SmartWay

SmartWay Initiatives

We have learned a great deal from implementing the SmartWay IKEA fleet model.

- Need for improved Truck and Trailer Aerodynamics
- Low rolling resistance tires
- Automatic truck/trailer tire inflation devices
- Improved motor oils and additives to help conserve fuel
- Improved engines that don't work harder, but smarter
- Idle reduction programs and cost savings

→ Savings

- Fuel
- Emissions
- Environment

Challenges We Are Facing

- **Challenge: Long wait at harbor: Wastes fuel, time, and money**

Potential Solutions:

- Chassis pools (Containers already on wheels)
- Improved logistics
- Use of waiting area parking lot (Eliminate idling tractors)
- Establish computer monitors (Example DMV) and advises driver what window to go to for service.
- Open more problem solving windows at the terminals



Challenges We Are Facing

- **Challenge: Owner-Operators lack capital to purchase technologies that reduce fuel consumption and emissions**
 - Potential Solutions:
 - SmartWay Upgrade Kit for ports drayage trucks
 - State programs for complete replacement of older vehicles
 - Low-interest loan or lease-to-own programs for owner-operators and small trucking companies
 - Provide 800 number for information on truck purchasing program
 - Provide written (English/Spanish) explanation of truck program.



For More Information

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