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## **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

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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

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- **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 advise driver what window to go to for service.
- Open more problem solving windows at the terminals



## Challenges We Are Facing

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- **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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