

Carbon-Efficient Logistics with SmartWay partners

SmartWay Workshop

Sept. 13, 2013



EDF's Green Freight

Kate Hanley





CLIMATE



OCEANS



ECOSYSTEMS



HEALTH

A Call to Excellence

We are engaging with shippers to:

- Set and achieve **measurable targets** for sustainability in logistics operations.
 - Establish and use **metrics** to track progress.
 - Implement cost- and carbon-saving **strategies**.
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Five Principles for Greener Freight

1. Support “Hot Spot” Clean Up.
 2. Choose the most carbon-efficient transport mode possible.
 3. Collaborate! Internally and externally.
 4. Redesign your logistics network.
 5. Get the most out of every move, every day.
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MIT-EDF Case Study Series



CATERPILLAR[®]

BOISE[®]



GROWING *Sustainability*



Keli Sanford

SEPT 13, 2013

About Ocean Spray



- Cooperative since 1930 – 700+ growers
- \$2.2 Billion sales
- No. 1 Juice brand in North America





Since 1930
2006 1930



"My plants were there long before I was and hopefully are going to be there long after I am"



GROWING *Sustainability*



Grower Owned



Since 1930

Since 1930



GROWING Sustainability



Supply Chain Sustainability



- Reduction Goals:
 - 25% reduction in non-renewable energy usage by 2015 from 2008 baseline.
 - 25% reduction in carbon emissions by 2015 from 2008 baseline
- Supply Chain View at Ocean Spray
 - Carbon emission reductions = Cost Savings



The farm is one of the greatest opportunities for positive impact.



Carbon Efficiency Initiatives



SHIFTING TO RAIL

Intermodal Backhaul
Fruit Co. + CSX + 3PL

40% cost
Savings

65% CO₂
Savings

External
Collaboration

NETWORK REDESIGN

Reduced Miles
Florida DC

15% cost
Savings

18% CO₂
Savings

Internal
Project



Supply Chain CO₂ Savings



1 $$$$$ = D \times W \times \text{Rate}$

2 $\text{CO}_2 = D \times W \times \text{EF}$

3 $\downarrow \text{Rate} \approx \downarrow \text{EF}$



Sustainability in Our Supply Chain



- **Integrated Internal Reporting**
 - Tracking our carbon emissions in monthly supply chain scorecard
- **Shift to Rail Opportunity**
 - Reduction of truck transportation
 - 14,000 tons of CO₂ savings per year
 - Tool to aid future logistics decisions



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