

The Benefits of “Greening” Transportation in the Supply Chain

Wednesday, July 29, 2015

Presented by:

Melissa Klein, U.S. EPA Center for Corporate Climate Leadership

Denise Kearns, U.S. EPA SmartWay Program

Guest Speakers:

Brad Pierce, Corporate Transportation Manager, Tyson Food

Robert Damon, Senior Director Transportation and Logistics, Bacardi

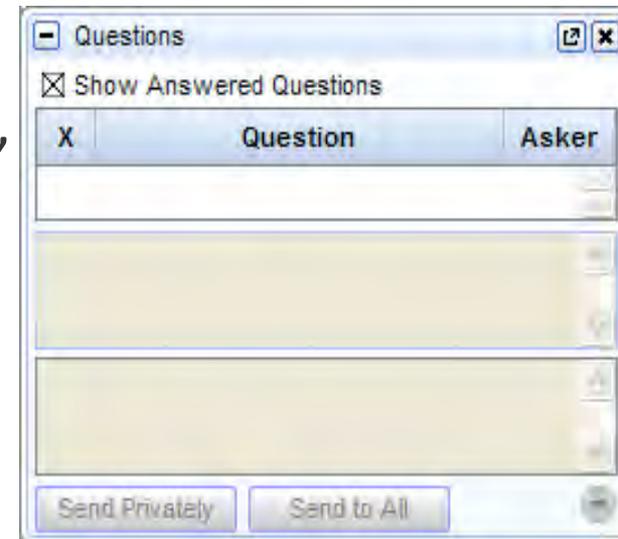


Webinar Agenda

- Introduction and webinar logistics
- Speakers:
 - Denise Kearns, SmartWay Program, U.S. EPA (Moderator)
 - Brad Pierce, Corporate Transportation Manager, Tyson Food
 - Robert Damon, Senior Director Transportation and Logistics, Bacardi
- Q&A
- Post-webinar survey

Webinar Logistics

- Attendees are muted to reduce background noise.
- Submit questions and comments in writing via the online control panel. →→ →
- To minimize or maximize the control panel, click on the button at the top left of the tool bar.
- Post-webinar survey on this webinar and topics for future webinars.
- Today's presentations will be available at: <http://www.epa.gov/climateleadership/events/>





About the Center

- A resource center for organizations of all sizes looking to expand their work in the area of greenhouse gas (GHG) measurement and management.
- Provides technical tools & guidance, educational resources, opportunities for information sharing (e.g., Webinars) and peer exchange.
- Promote practices that reduce GHG emissions, drawing upon the successes of Climate Leadership Award recipients and innovations by organizations.
- Support the implementation of E.O. 13693.



Climate Leadership Awards

Climate Leadership Awards (CLA) recognize outstanding voluntary work that organizations and individuals pursue in reducing GHG emissions and building resilience to climate change. **Categories:**

- *Excellence in Greenhouse Gas Management (Goal Setting Certificate)*
- *Excellence in Greenhouse Gas Management (Goal Achievement Award)*
- *Innovative Partnerships Certificate*
- *Supply Chain Leadership Award*
- *Individual Leadership Award*
- *Organizational Leadership Award*

- 2016 Award application period closes September 25, 2015
- Awards dinner takes place during 5th annual Climate Leadership Conference, Seattle, WA, March 8-10, 2016
- epa.gov/climateleadership/awards



About EPA's SmartWay Program

SmartWay = Freight Movement Efficiency

- **Goal:** *Move more freight, more miles, with less emissions and less energy*
- **How:** Accelerate adoption of advanced technologies and operational practices in the freight supply chain
- **Measured by saving:** \$, Gallons of fuel, barrels of oil; CO₂, NO_x, PM emissions

SmartWay Provides:

- Turn-key, uniform, integrated approach to assess supply chain efficiency and emissions.
- Standardized tools and methods to assess the environmental performance and to establish goals.
- Information on validated technology and strategies that can help partners achieve their environmental performance goals.
- Recognition for top performing partners.

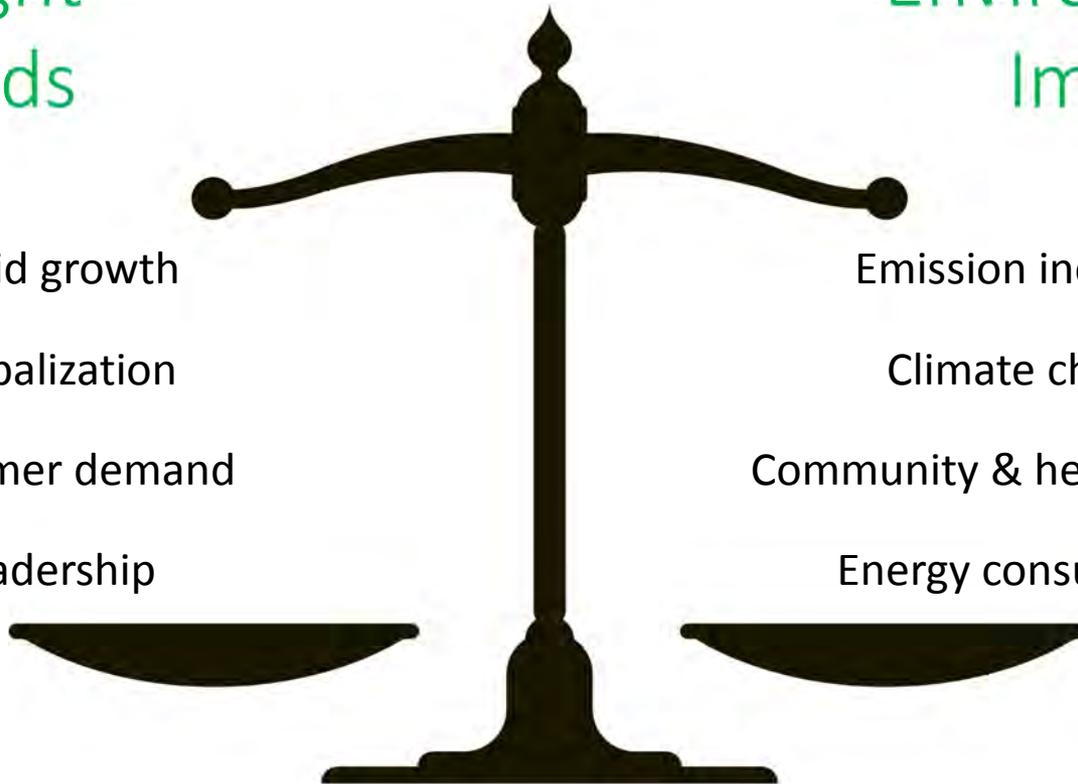
Freight Trends, Environmental Impacts

Freight Trends

Rapid growth
Globalization
Consumer demand
Leadership

Environmental Impacts

Emission increases
Climate change
Community & health impacts
Energy consumption



EPA Approach

Regulatory

- Heavy Duty GHG Phase 1
- Heavy Duty GHG Phase 2

Clean Diesel Campaign

- Grants
- Clean Diesel Projects





Key Partnership Elements

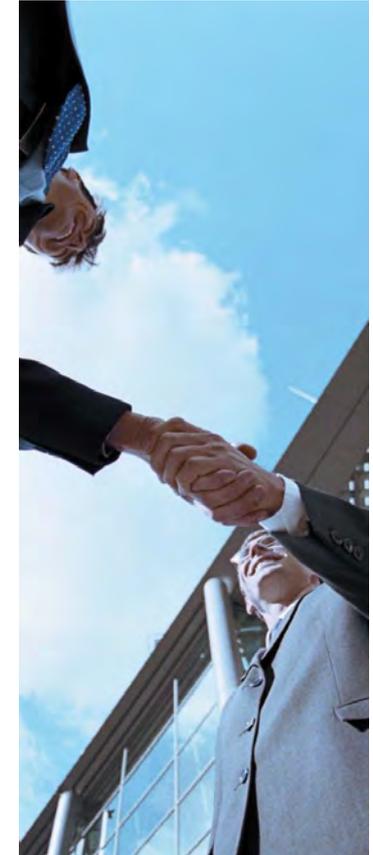
SmartWay Transport Partnership

A Building Block for Freight Supply Chain Sustainability

- Collaboration
 - Carriers
 - Shippers
 - Logistics
 - Affiliates
- Tools & Metrics
 - Assess
 - Track
 - Report
- Raise awareness around benefits of efficient transportation
 - Share best practices
 - Identify and verify fuel-saving technologies
 - Case studies on operational strategies
- Provide incentives and recognition for good freight management

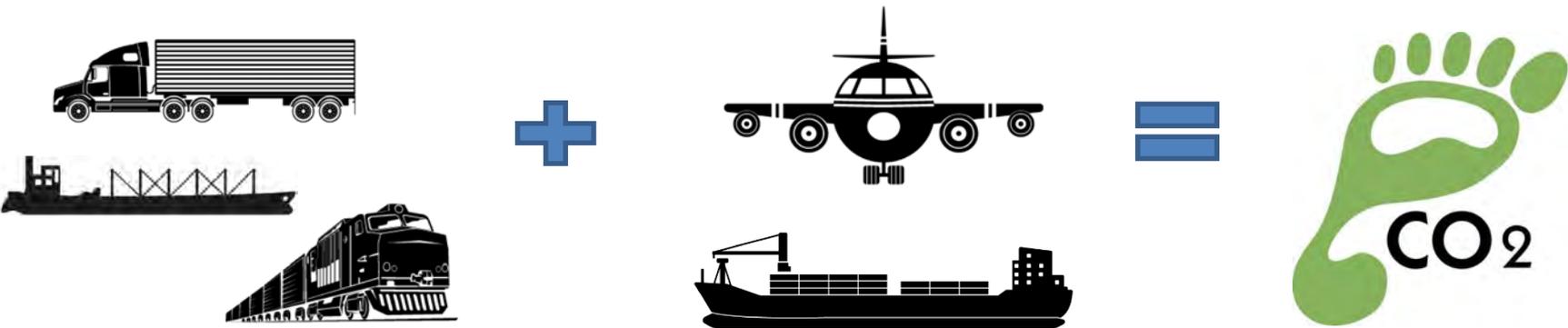
Platform for Shipper-Carrier Collaboration

- Encourage shipper/carrier engagement
- Showcase technology and operational strategies
- Facilitate information exchange, share best practices
- Collaboration



SmartWay Tools & Metrics

Transportation Supply Chain Footprint



Raise Awareness: Benefits of Freight Efficiency

Business-to-Business



UPS @UPS

Congrats! MT @MenloLogistics: Menlo hon SmartWay Excellence Award for leadership in #ow.ly/q6c5P

Expand



Menlo Logi: Menlo honors its leader:

Expand



The U.S. Environmental Protection Agency recognizes
Heniff Transportation Systems, LLC.
As a Registered
SmartWay® Transport Partner

SmartWay ID: 01004754
Expires: 04/08/2016

Cheryl Eysen
Director, SmartWay Transport Partnership



EPA CENTER FOR CORPORATE
**CLIMATE
LEADERSHIP**
U.S. Environmental Protection Agency

Consumers



 **SmartWay®**
Transport Partnership
U.S. ENVIRONMENTAL PROTECTION AGENCY



BACARDI LIMITED

Bacardi

“Good Spirited: Building A Sustainable Future”



Program Vision of Net-Zero Impact

0%

**Strive for Net-Zero Impact.
Return to the environment at least
as much as we take away. Achieved
through our three focus areas:**

SOURCING



OPERATIONS



PACKAGING



Calendar of Stories

Developed an editorial calendar of more than 100 stories showcasing how brands and employees are building a more sustainable future.



Green-Certified Distillery



Protecting the Great Sea Reef



Hydro-Powered Production



Carbon Footprint Reduction



Customer Programs Drive Sales

- Green Champion in the USA developed a partnership with American Forests – a non-profit dedicated to conservation and restoration of forests
- Three-month sales promotion of “Buy BACARDÍ, We Plant A Tree” (launched January 2015) tells consumers that we will plant a tree for every bottle sold in Idaho and cases sold in Oregon
- Within 1 month of launch:
 - BACARDÍ rum sales were up 11% in Idaho and 7% in Oregon
 - 88 sustainability displays are up in stores
 - Participating stores are supporting the cause by displaying nearly 3,000 cases on the floor
- Sales teams in California and Washington state are now planning to launch program



Team member in Portland, Oregon displays point-of-sale promotional flyer and tree that will be planted as a result of BACARDÍ rum sales.

Recognized By CR Community

Positioning Bacardi as sustainability thought leader:

- **Featured in case studies** related to sustainable business practices including publications by Tesco Knowledge Hub, Ethical Corporation, Flora & Fauna
- **Invited to presented at CR events** – Bacardi sustainability efforts and leaders participated in panels and presentations for Responsible Business Summit, Global Water Summit, Sustainability Live, among others



SmartWay Initiative

Bacardi USA and their Lead Logistics Provider, Ryder Supply Chain Solutions, in the spirit of collaboration and through this partnership, instituted our SmartWay Program and has been a SmartWay Shipper Partner since 2008. Below results clearly show how serious Bacardi USA has taken the Carbon Emissions Reduction Program:

- March 2008: Bacardi USA directed Ryder to inform our over-the-road transportation carriers that they must be SmartWay Certified. We allowed one year to achieve this objective.
- CY 2009: We shipped from our two facilities in Jacksonville, FL, approximately 7000 trailers. Our over the road volumes represented over 60% of this volume and our intermodal were just under 40%. The majority of our over-the road carriers were SmartWay Certified.
- That same year we launched an internal campaign to strategically move the current profiled over-the-road lanes to be intermodal. Goals were set to achieve this initiative.
- CY 2010: we shipped 48.1% of our volume via over-the-road and shipped 51.9% of our volume via intermodal.
- CY 2011: we shipped 45.2% of our volume via over-the-road and shipped 54.8% of our volume via intermodal.

SmartWay Initiative

- CY 2012: our over-the-road shipments resulted in 43.8% of actual volume shipped with a goal of 40% and intermodal volumes resulted in 56.2% our goal was 57%.
- CY 2013: our over-the-road volumes were reduced to be 39.8%, and our intermodal volumes result was 60.2%. This exceeded our objective.
- CY 2014 ESTIMATED: intermodal to be 62.5% of our total volume and over-the-road volumes to be 37.5%
- The results of this initiative to move from the reliance of over-the-road carriage to intermodal; Bacardi along with our partner Ryder Logistics and the SmartWay tool to achieve the calculation for all Scope 3 emissions; has since CY 2009 through CY 2103 decreased our carbon footprint by over 20% to 16,798 ton per year.
- For CY 15 our goal is to ship from Jacksonville, FL, 67% of our volumes via intermodal.
- Bacardi USA has also been tracking the SmartWay implementation in Canada, and we have made the SmartWay contacts within the Canadian reporting silo and are currently awaiting next steps. We will be including our Bacardi Canada division as a SmartWay in Canada Shipper Partner in 2015.



**Enjoy our world-class brands and join in our SmartWay
and
Good Spirited endeavors to protect the environment.**

www.bacardilimited.com/good-spirited

ENJOY RESPONSIBLY.

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Tyson Foods Shipper / Carriers Strategies For Reducing Green House Gasses

July 29, 2016



▶ We are multi-national.



We currently operate in the United States, Brazil, China, India, and Mexico and sell food all over the world.



▶ We are a diversified, multi-protein business.

We produce:

• **Value-Added Foods**

Value Added Chicken, Beef, and Pork, Pepperoni, Pizza Toppings, Bacon, Deli Meats, Hams, Franks, Snacks, Appetizers, Side Items, Prepared Meals, Meal Kits, and Fully-cooked Dinner Meats

• **Prepared Foods**

Pizza Crusts, Tortillas, Soups, Sauces, Appetizers, and Side Items

• **Commodity Meat and Poultry**

Fresh Chicken, Beef, and Pork, and Speciality Meats

TEAM MEMBERS



124,000

CONTRACT POULTRY FAMILY FARMS



5,000

MARKET SHARE

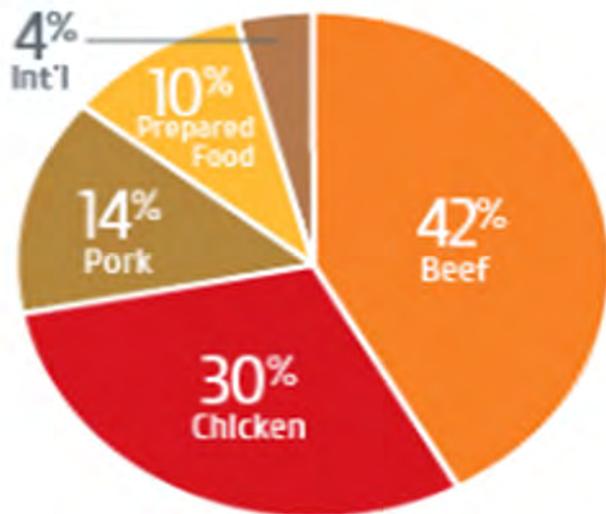
Tyson Foods produces approximately
1 in 5 pounds
of chicken, beef, and pork in the U.S.



SALES

\$37.6 Billion

SALES BY SEGMENT



SALES BY DISTRIBUTION CHANNEL



Tyson Food Transportation Quick Facts

- Tyson Private Fleet and Contract Carriers deliver on average 16,000 shipments per week
- Tyson Certified Contract Carrier Network consist of over 240 Quality Carriers who are all required to participate in the Environmental Stewardship EPA SmartWay program
- Tyson Private Fleet and Contract Carriers will log over 420,000,000 million miles annually with a freight spend in excess of 1 Billion dollars
- Tyson Fleet 7th largest Private fleet in the U.S.
- EPA recognizes Tyson Foods, Inc. as a SmartWay Certified Carrier and Shipper for our efforts to improve fuel-efficiency, improve environmental performance, and improving supply chain sustainability



Tyson Strategies Designed to Reduce Greenhouse Gas Emissions

- Required SmartWay Participation
- Transportation Value Index (KPI's)
- Tyson Newsletters
- eTyson SmartWay Learning Center
- Rail
- Ultra Light Equipment
- Direct to Customer Shipments
- Driver Coaches
- Driver Scorecards
- Driver Training Simulators
- Fuel Saving Equipment Technologies





Truck Tool Time

<http://www.epa.gov/smartway/forpartners/index.htm>

SmartWay's Truck Tool due dates are quickly approaching.

Tyson would like to remind all Carriers to make sure their Tool is submitted in a timely manor.

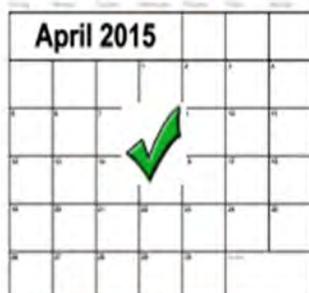
Also, that they send us a copy of their renewed certification.

Group 1



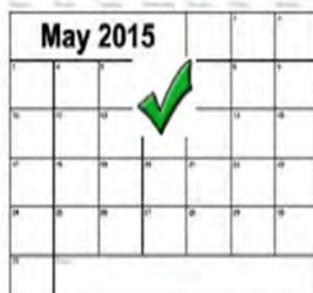
3/4/15

Group 2



4/8/15

Group 3



5/6/15

If you have any questions about the Tool contact your SmartWay Representative or email: Ashley.Ferguson@tyson.com





Carrier is a SmartWay Excellence Award Winner within the last 36 months and is in the upper 1/3 of the SmartWay Performance Rankings



Carrier is SmartWay Logo Qualified



Carrier is in the Top 75% of the SmartWay Performance Rankings



Tyson Foods' Transportation Value Index September TVI Performances

Volume IX Issue XII

September TVI Performances



C.R. England

KNIGHT
REFRIGERATED

FedEx[®]
Express

PRIME inc.
>> driven by the best



GORDON TRUCKING INC.

TRANSX
GROUP OF COMPANIES



WERNER ENTERPRISES

SPECIALIZED CARRIER





**Breaking News Now Available At Our Tyson
SmartWay Learning Center**

Now added to our Carrier Workbench Website

Forms & Document Library

Document Category	
Contracts (Show Documents...)	(X)
Customers/Memos (Show Documents...)	(X)
Misc. (Show Documents...)	(X)
Policies (Show Documents...)	(X)
SmartWayInfo (Hide Documents...)	(X)
<ul style="list-style-type: none">• SW_Driver_Training• SW_Idle_Reduction• SW_Improved_Aerodynamics• SW_Low_Rolling_Resistance_Tires• SW_Low_Viscosity_Lubricants• SW_Maint_Proper_Tire_Inflation_Pressure• SW_Reducing_Hwy_Speed• SW_Weight_Reduction	

We are excited to announce the launch of our [eTyson SmartWay Learning Center](#)! The Learning Center is part of our continuing effort to share the SmartWay message!

We have combined important Tyson and SmartWay information into one convenient location consisting of the latest SmartWay messages detailing ways to save fuel and money!

The eTyson SmartWay information is accessed using the following link: <https://www.etyson.com/Login/Login.aspx>, then clicking on the **Forms and Document Library Tab** located on the home screen of our **Carrier Workbench Site**, and finally clicking the **SmartWay Info Category**!

SmartWay Marks Ten-Year Anniversary: EPA SmartWay is marking its 10th anniversary supporting the goods movement industry. Since 2004, more than 3,000 organizations have joined the partnership and working together!



Eliminating Miles Off our Highways (2014)

Direct Shipments:	2.4 Million Miles
Rail:	57.4 Millions Miles
Ultra Light Equipment:	1.0 Million Miles



Tyson Private Fleet Initiatives

- Trailer Skirts
- Single Wide Tires
- Auxiliary Power Units
- Lighter Equipment
- Smart Engines (Topography Sensing)
- Driver Scorecards
- Driver Coaches
- Driver Simulators





Q&A



Contact Us

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