



*Driving Towards Sustainability:
Opportunities to Reduce Transportation Emissions and Impacts*

April 17th, 2024

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SPEAKERS



Caitlin Oleson
Director of Operations
& Programming,
Climate Collaborative



Denise Kearns
Environmental Specialist,
EPA



Chris Pickett
Chief Operating Officer,
Flock Freight



Manuel Gorrin
Director of Mission & Justice,
Equity, Diversity and Inclusion,
Nature's Path Organic Foods

Climate Collaborative

Driving Towards Sustainability: Opportunities to Reduce Transportation Emissions and Impacts

Denise Kearns

U.S. Environmental Protection Agency
Office of Transportation and Air Quality

April 17, 2024



Covered Today

- 🌿 Corporate Social Responsibility Planning, Climate, Emissions Accounting: Scope 1, 2 and 3
- 🌿 Transportation: Economic Environmental and Public Health Impacts
- 🌿 EPA SmartWay Tools, Resources and Support



Corporate Social Responsibility Planning



- Energy consumption for heating/cooling/manufacturing/transportation
- Water use and management
- Community engagement and philanthropic giving
- Overseas labor conditions
- Direct and indirect emissions affecting climate change and public health
- Material use, reuse and recycling programs
- Workplace and employee wellness programs

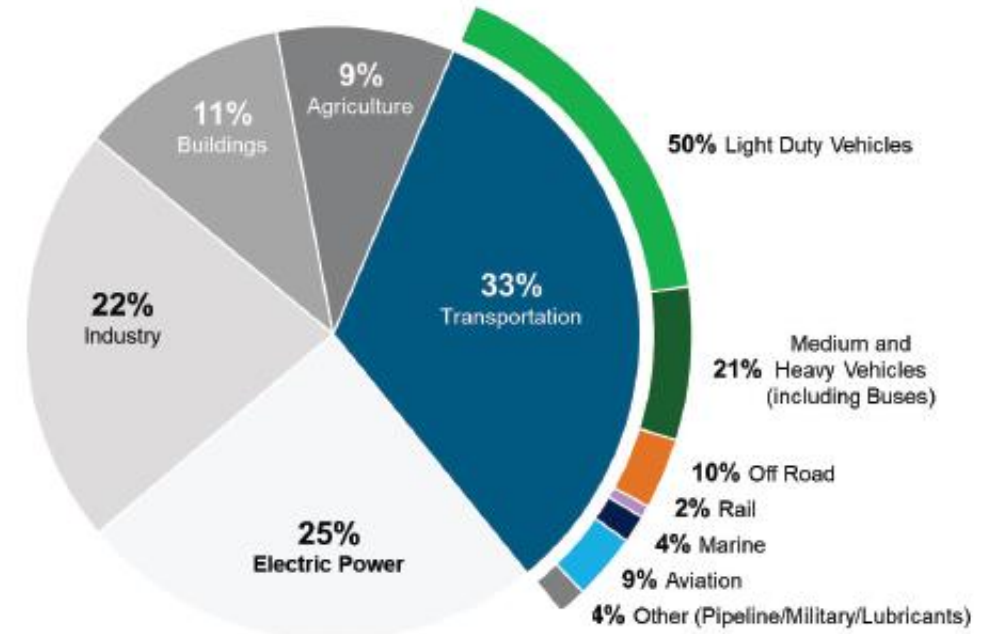


Transportation: economic, environmental, public health impacts



- Transportation largest source of U.S. greenhouse gas (GHG) and other harmful air emissions
- Responsible for poor air quality (disproportionate impacts)
- Can be significant source of supply chain spend
- Large household expenditure
- Driver of global petroleum demand

2021 U.S. GHG Emissions



Aviation and marine include emissions from international aviation and maritime transport. Fractions may not add up to 100% due to rounding.

EPA SmartWay Tools, Resources and Support



- Tools to collect freight data
 - Credible, neutral data oversight
 - EPA oversees data quality assurance and control
 - Standardized approach to assess freight emissions in supply chain
- Annual emission reports
 - For use in sustainability, public disclosure, employee, stakeholder engagement and collaboration
 - Technology and operational strategies
- Carrier rankings
 - Helps shippers identify greener carriers
 - Carriers can gain competitive advantage, support shipper sustainability goals



Questions?



www.epa.gov/smartway

kearns.denise@epa.gov

734-214-4240





Our Sustainable Transportation Journey

Manuel Gorrin (he/him)
Director, Mission and J.E.D.I.
Nature's Path Organic Foods
April 2024



Our Purpose



“
Always leave the
earth better than
you found it
”

– Rupert Stephens –



Our Sustainability Pillars



We live our purpose through our 6 sustainability pillars:

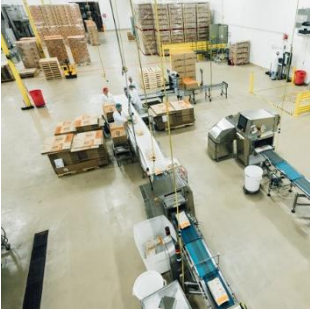
GROW ORGANIC



ADDRESSING CLIMATE CHANGE



ZERO WASTE



PRESERVE WATER



EDUCATE, INSPIRE & ENGAGE



GIVE BACK



Justice, Equity, Diversity & Inclusion (J.E.D.I.)
CULTURE | CONSUMER | COMMUNITIES

Purpose: Always leave the Earth better than we found it.

Sustainability and J.E.D.I. are business enablers and are embedded into every aspect of the business, from everyday tasks to strategic decisions.



Our Transportation & Climate Commitments



SFTA Declaration of Sustainability (2009)

“We will use most energy efficient distribution and most environmentally responsible renewable fuel sources. Reduce food-miles where possible”.



Sustainable Supply Chain Code of Conduct (2014)

“We strive to work with suppliers that share our philosophy and who demonstrate a commitment to fulfill these expectations to improve social and environmental conditions at farms and facilities worldwide”.



Climate Collaborative Commitments (2017)

“We are committed to reduce the climate impact of transportation”.



Sustainability Policy (2019)

“We are committed to producing, packing, transporting, and distributing products from field to market using the most efficient means possible”.

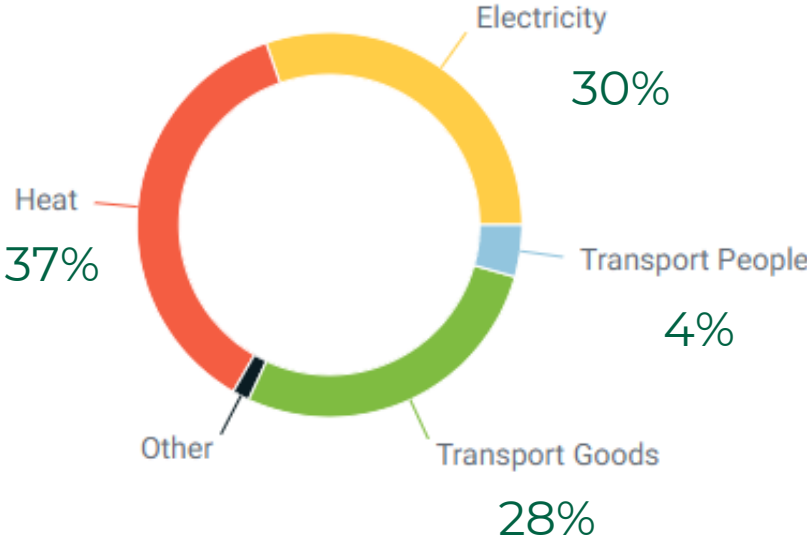


Measuring our Transportation Carbon Footprint

Example of metrics we monitor:

- **Transportation Type or Mode (OTR/IMDL/LTL/Ocean/Air) – breakdown Inbound/Outbound**
- **Total miles/km – breakdown Inbound/Outbound**
- **Average weight or total weight per truckload/shipment – breakdown Inbound/Outbound**
- **Total amount of loads per mode – breakdown Inbound/Outbound**
- **Total miles/km from team member commute (air, car or carpool)**
- **Total amount of team members using our Green Commute Incentives**

Gross GHG Emissions by Activity Type (metric tonnes)
(Nature's Path Foods, year ending Dec 31, 2022)



2022 Carbon Footprint Breakdown



Some of our Sustainable Transportation Initiatives



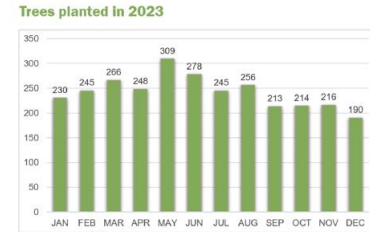
- Since 2010, one of our transportation partners is running a **tree planting program**, where for each full shipment that we make, one tree is planted. This a great way to give back to the earth while keeping our team engaged. In 2023, we planted over **2,900 trees!**

- We continue to focus on increasing our use of **Intermodal shipping (Train)** and **Full Truck Loads (LT)** where it's feasible.

- Our manufacturing and 3PL warehouse sites are **strategically located** across North America to improve our distribution, lead times, and flexibility to choose a transportation method that is better for the environment and our partners.

- We work with Transportation partners who prioritize **SmartWay™ carriers** and are aligned with our **Sustainable Supply Chain Code of Conduct**.

Leave The Earth Better Than We Found It



Sustainability



Our Team Member Commuting Incentives



Green My Ride Program

Designed to encourage team members to use more sustainable forms of transportation when travelling to and from work. If team members take **transit, bike or walk to work, or carpool** they are eligible for ride credits. Each quarter, they choose what dollar value of their accumulated credits is donated to the local Food Bank and/or deposited on their payroll.

Clean Energy Vehicle & Get Fit Programs

We encourage our team members to commute by bike, carpool, and public transportation with incentive programs like up to **\$500 for a bicycle** from our Get Fit program and a **\$1,000 reimbursement toward the purchase of a Clean Energy Vehicle** (BEV, Hybrid or Electric Motorcycle/Bike). We also have free Electric Charging Stations available at our head office.



Our Sustainable Transportation Approach



Internal

- Company values, Goal Setting & Strategic Pillars aligned with Sustainability**
- Sustainability Policy, Code of Conduct, and Climate Commitments**
- Company-wide Sustainability Training**
- Purpose-driven Sales & Operations, Demand Planning & Purchasing Teams**
- Green Commute & Clean Vehicle Incentives and other benefits**

External

- Value-driven Partnerships and Suppliers**
- Scope 3 - GHG accounting partner for tracking and reporting of transportation emissions**
- Climate Policy Advocacy with CERES BICEP Network**
- Prioritize the use of Intermodal and TL (Full Truck Loads) where it is feasible to lower our carbon footprint**
- Third-Party Transportation & Warehouse partners aligned with our values, and located in strategic cities across North America**

ALWAYS IMPROVING



Thank you!



@naturespathorganic | @manuel_organic



Nature's Path Foods | Manuel Gorrin



FLOCK

Flock Freight

April 17 2024

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Who is Flock Freight?

A FreightTech company fundamentally changing the way freight moves.

- With the introduction of our Shared Truckload (STL) solution, **FlockDirect**[®], shippers now have a new mode of shipping freight that offers an alternative to traditional less-than-truckload (LTL) or full truckload (TL).
- Our patented technology finds and fills trucks' empty spaces and puts freight on the most efficient routes, creating significant value for shippers, carriers and the environment.

Benefits of FlockDirect[®]

up to
20%
cost savings compared to TL

99.8%
damage-free deliveries

up to
40%
fewer CO₂e emissions than traditional modes

FLOCK

The half-empty truck problem.

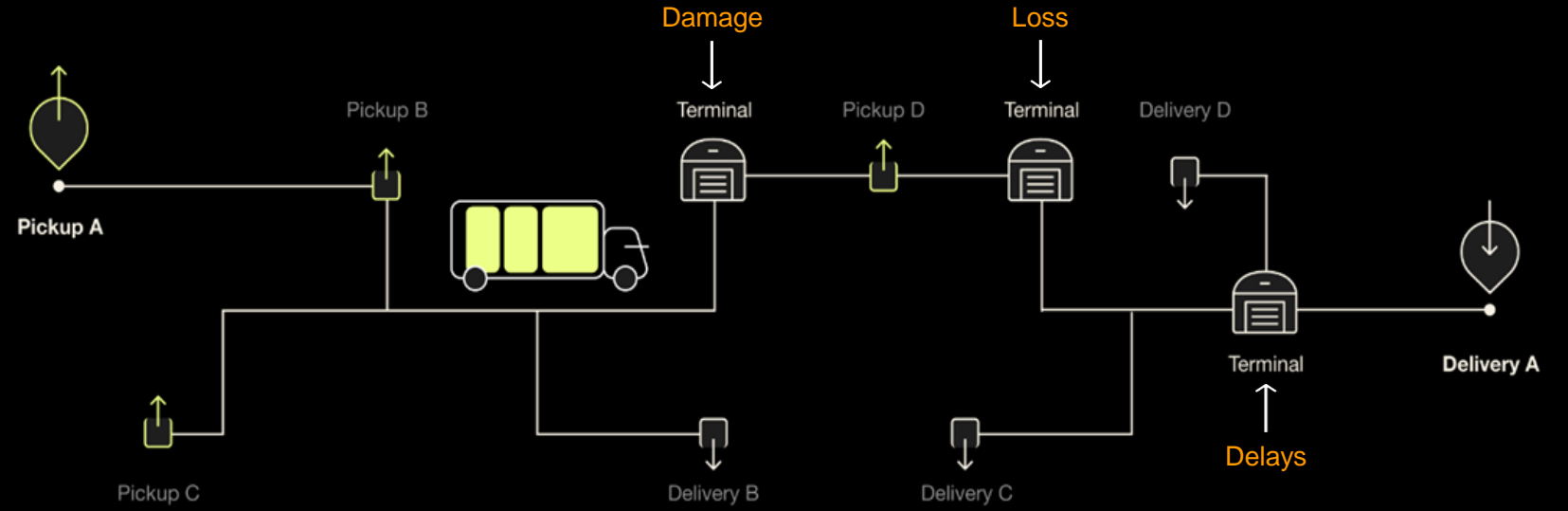
E-commerce and on-demand delivery have transformed consumer behaviors and rapidly increased the volume of goods in the supply chain.

But, heavy duty trucks are still running half empty¹.

¹Based on a 2023 survey conducted by Drive Research & Flock Freight.

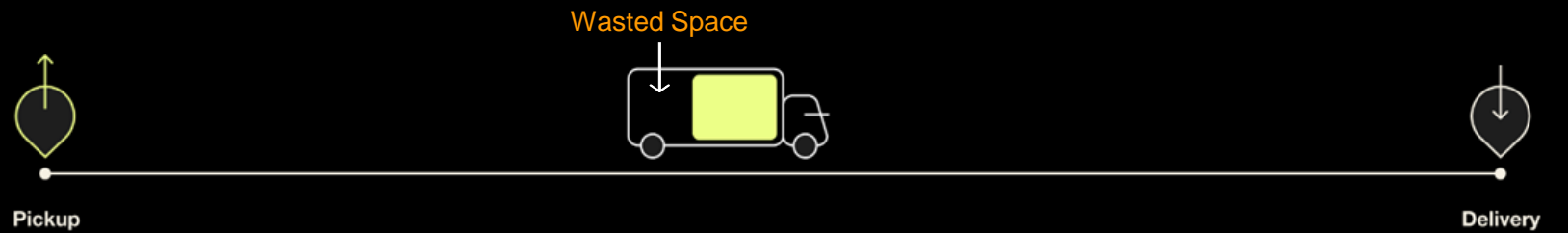
Less-than-truckload

LTL

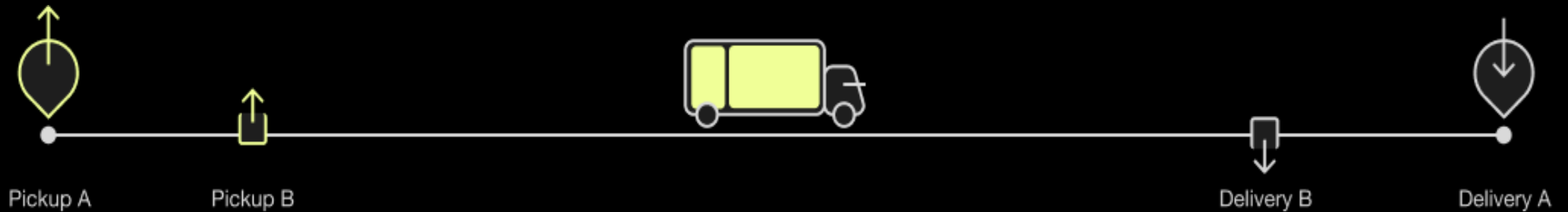


Truckload

TL



When multiple shippers pool their freight onto one truck, **they have the ability to only pay for the space they need as part of a Shared Truckload**, avoiding the inefficiency and cost of traditional modes.



Goods stay safe and terminal-free, driven in a single truck by a single driver all the way to their destination.

FlockDirect®

FLOCK

Sustainability.

Your sustainable supply chain partner.

Certified B Corp

Certified B Corporations, or B Corps, are companies verified by B Lab to meet high standards of social and environmental performance, transparency, and accountability.

Reporting

Shippers receive a quarterly emissions report to monitor and optimize their business's environmental impact. This includes CO₂e avoided and shipment data such as load count, distance, and weight.

Public Benefit Corporation

Flock is a PBC with the specific purpose of reducing greenhouse gas emissions.

Emissions reduction

Through 2023, STL has prevented over 102,000 metric tons of CO₂e from entering the atmosphere.

That's the equivalent of 1,686,579 tree seedlings grown for 10 years.

Climate Pledge aligned

Flock is committed to net zero on scope 1, 2, & 3 emissions by 2040.

Unlock carbon neutrality

We offer the Frequent Flocker program to give shippers the opportunity to unlock carbon-neutral freight.

Certified



Corporation

THE
CLIMATE
PLEDGE



Public Benefit
Corporation

FLOCK

Case study.

Case Study

TOSHIBA

\$560,000 in cost savings

918 terminals skipped

99.3% damage-free rate

335 metric tons CO₂e saved

FLOCK

Challenges

- Ship-to-order model forced them into utilizing LTL. With LTL, they faced:
- \$880k+ in accessories in one year
- Damage to their fragile products
- Remanufacturing
- Excessive claims
- Unhappy customers

Solutions

- FlockDirect® is a more cost-effective solution for sensitive, smaller freight
- Keeps fragile electronics intact with minimal touchpoints
- Reduces touches, damage, and environmental impact

DISCUSSION



Caitlin Oleson
Director of Operations
& Programming,
Climate Collaborative



Denise Kearns
Environmental Specialist,
EPA



Chris Pickett
Chief Operating Officer,
Flock Freight



Manuel Gorrin
Director of Mission & Justice,
Equity, Diversity and Inclusion,
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