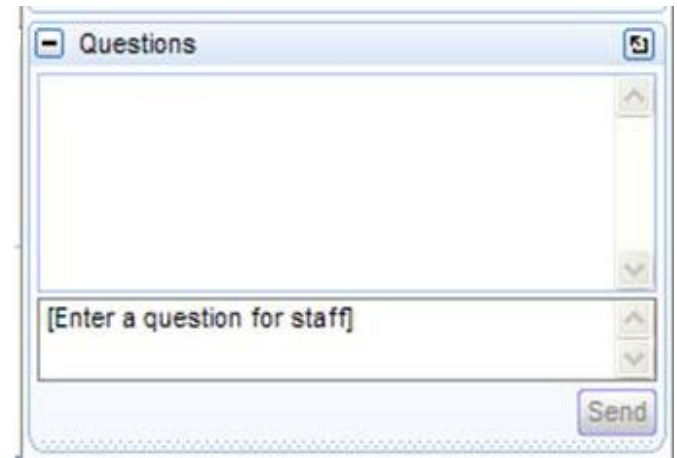
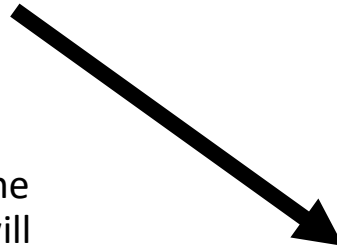




# Webinar Housekeeping

- Submit a question via the Questions box on your GoTo control panel.
- After the presentations, as time permits, our EPA presenters will answer questions submitted.
- Please complete the survey at the end of today's webinar. Your feedback is important to us!





# Webinar Housekeeping

The presentation slides and recording will be available at:

**<http://www.epa.gov/smartway/smartway-webinars-events>**

**(select the “Past Webinars/Events” tab)**



**Mike Roeth**

**NACFE Executive Director**



**Dave Schaller**

**NACFE Industry Engagement Director**





 ***RUN ON LESS***

# EPA SmartWay Webinar: Running on Less



Mike Roeth & Dave Schaller

January 10, 2018

# AGENDA

- Who is NACFE
- Fuel Situation
- Run On Less
- Confidence Reports
- Future



# NACFE: North American Council for Freight Efficiency

Dedicated to doubling the efficiency of North American goods movement

1. By improving the quality of information flow and
2. By highlighting successful adoption of technologies



[www.TruckingEfficiency.org](http://www.TruckingEfficiency.org) and [www.RunonLess.com](http://www.RunonLess.com)

# 2017 FISCAL SPONSORS

Gold



Silver



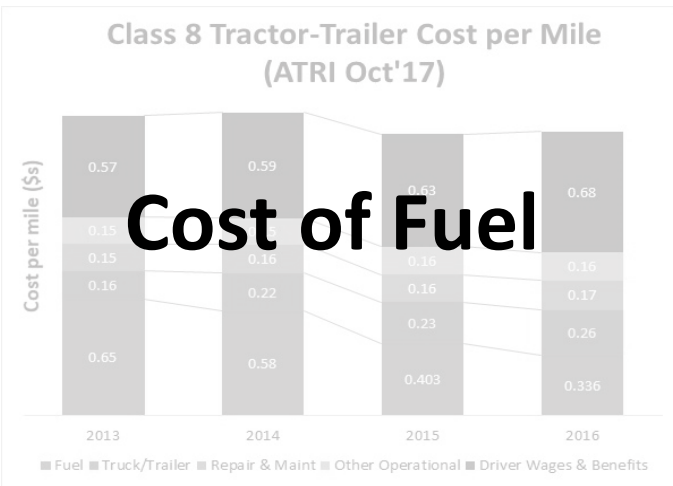
Bronze



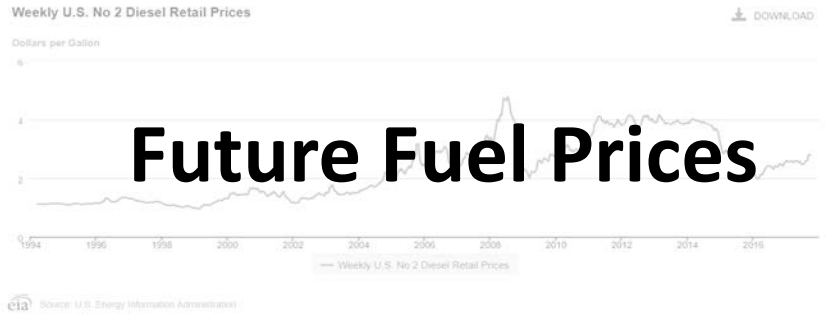
 RUN ON LESS



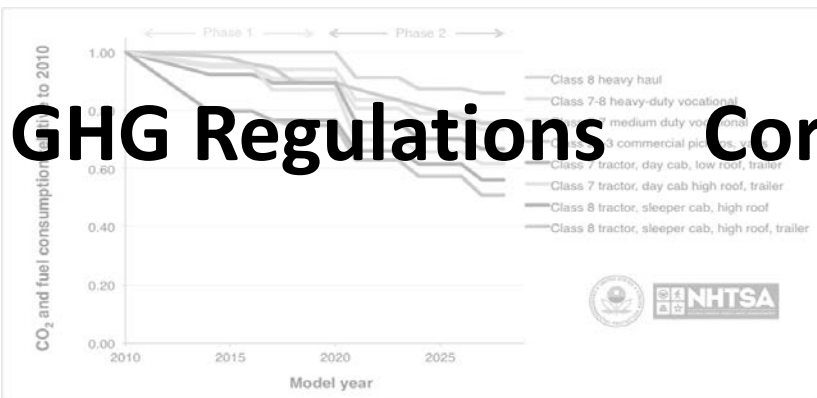
# MOTIVATIONS



**Cost of Fuel**



**Future Fuel Prices**



**GHG Regulations**

**Corporate Sustainability**





 **RUN ON LESS**

September 2017



 **RUN ON LESS**



# The Commercial Car Journal

VOLUME I.

PHILADELPHIA, MAY 15, 1911

NUMBER 3

Arrangements for National Efficiency and Economy Competition Nearing Completion.—Entries Already Pouring In

There is a noticeable lack of dependable facts as to the performance of commercial cars. The proper method of operating them most economically and, at the same time obtain the greatest efficiency, is the problem the user of motor delivery and truck service is endeavoring to solve.

l questions in var-  
g appointed, and  
advisory board of  
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formulate the rules

lished  
as follows:  
show the users of



## Run On Less Video Link

<https://www.youtube.com/watch?v=k3xsmzeBSLs&t=1s>

# RunonLess SUPPORTERS

## TITLE SPONSORS



## EVENT SPONSORS



## SUPPORTER SPONSORS



# WWW.RUNONLESS.COM

## RUN ON LESS

A first-of-its-kind cross-country roadshow to showcase advancements in freight efficiency.

### RESULTS

Gallons Saved **2,877**  
Dollars Saved **\$7,193**

### FLEETS

TODAY'S TECHNOLOGIES



### ABOUT

[Twitter](#) [Facebook](#)  
[LinkedIn](#) [Email](#)  
#RunOnLess



WS: Run on Less proves 10 mpg is possible, with final results shared at NACV Atlanta. N.A. trucking industry could save \$24 billion annually.

BREAKING NEWS: Run on Less announces final results. Download the results here.

BREAKING NEWS: SI

### FOLLOW THE FLEETS

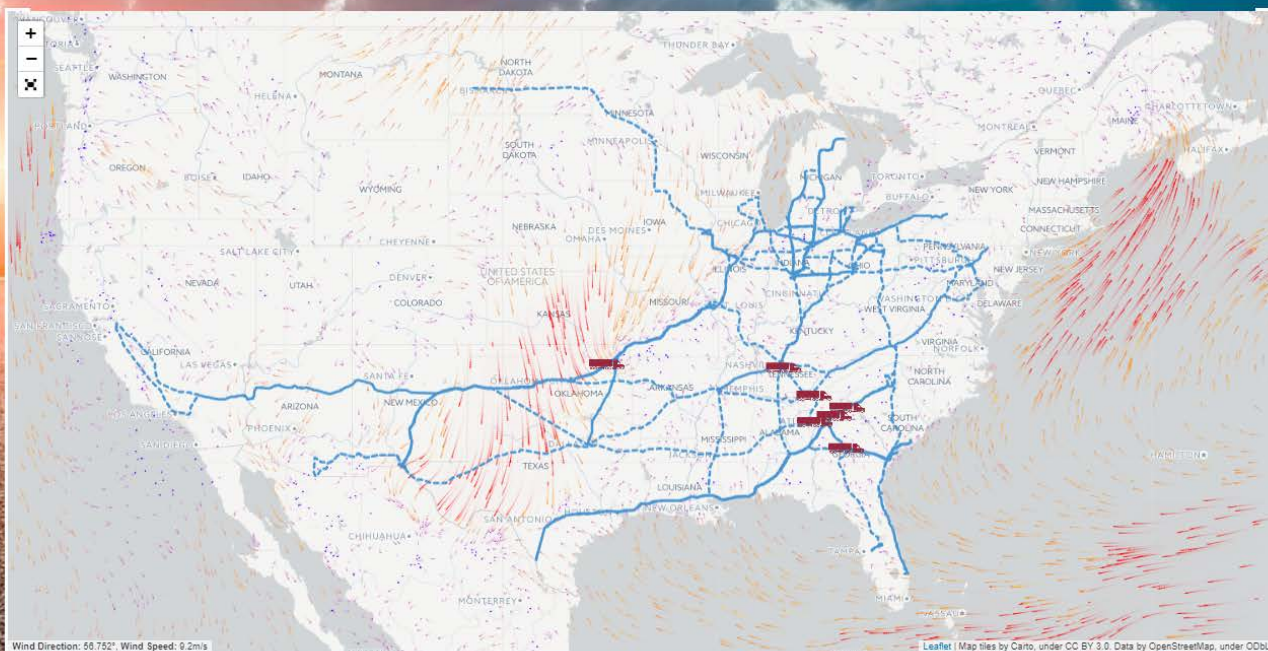
- Remove Overlay
- Wind
- Temperature
- Precipitation

### STORIES FROM THE ROAD

**RUN ON LESS**  
RUN ON LESS REVEALS FINAL RESULTS IN ATLANTA

**SIR RICHARD BRANSON ANNOUNCES MID RUN RESULTS**

[View More](#)



## RUN ON LESS



# DIVERSE TECHNOLOGIES

(Most tractors were SmartWay Designated)



- **Chassis:** 6x4, 4x2, 6x2 tag & 6x2 lift axle
- **Engines:** 15L, 13L & 11L
- **Idle Reduction:** Diesel APU, Battery HVAC, Auto On/Off
- **Tires:** Wide Based Singles, Duals, LRR, Traction 6x2
- **Trailers:** Different skirts, tails, a reefer & a high cube
- **Drivers:** Single, Team, & Trainer with student

# RUN ON LESS RESULTS

## 10.1 MPG

7 Trucks, 17 Days, 50,107 Miles  
99 Driving Days

Best MPG 12.8, 3 over 12.5  
Low 7.1, Avg. of all lows 8.8

31 days over 65,000 lbs.

### Conditions



-6.8 to +7.6 MPH



55,500 lbs.



166,000 ft.



54 MPH Avg.

One day – 3,279 ft. elev. change, 72,960 lbs. & 2.7 mph headwind = 9.7 MPG!

# RUN ON LESS: 10 ACTIONS FOR 10 MPG

- Use Downsped Powertrains and AMTs
- Educate and Incent Conscientious Drivers
- Adopt Appropriate Trailer Aerodynamics
- Optimize Cruise Control and Vehicle Speed
- Keep Equipment Well Maintained
- Buy all Available Tractor Aerodynamics
- Implement the Right Axle Configuration
- Embrace Low Rolling Resistance Tires
- Provide Tools Reduce Idle Time
- Build a Culture of Methodically Choosing Technologies



# RUN ON LESS RESULTS

- In 17 days, these seven trucks saved:
  - **2,877 gallons of fuel**
  - **\$7,193**
- If all 1.7 m trucks, we'd save annually:
  - **9.7 billion gallons of diesel**
  - **\$24.3 billion**
  - **98 million tons of CO<sub>2</sub>**

# CONFIDENCE REPORTS: Trust

Complete, unbiased review of available technologies for fleet confidence to adopt.



Tire Pressure Systems



6x2 Axles



Idle Reduction



Transmissions



Engine Parameters



LRR Tires



Lightweighting



Downspeeding



Maintenance for FE



Trailer Aerodynamics



Tractor Aerodynamics



Lubricants



Platooning

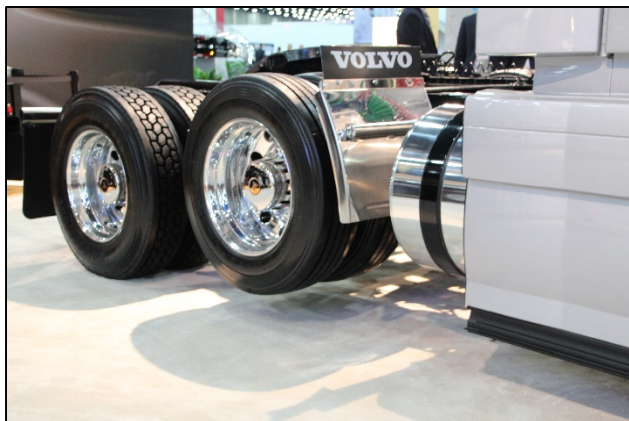
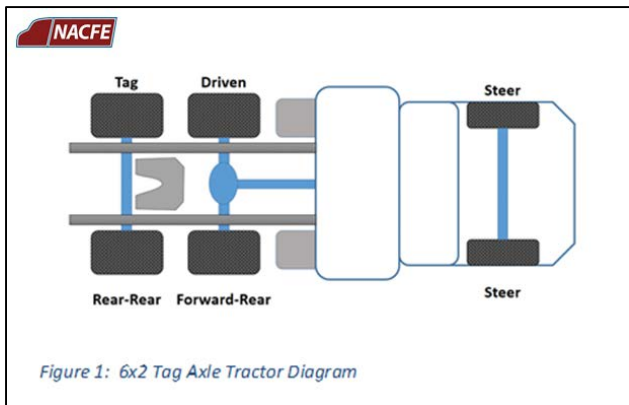


Engine Accessories

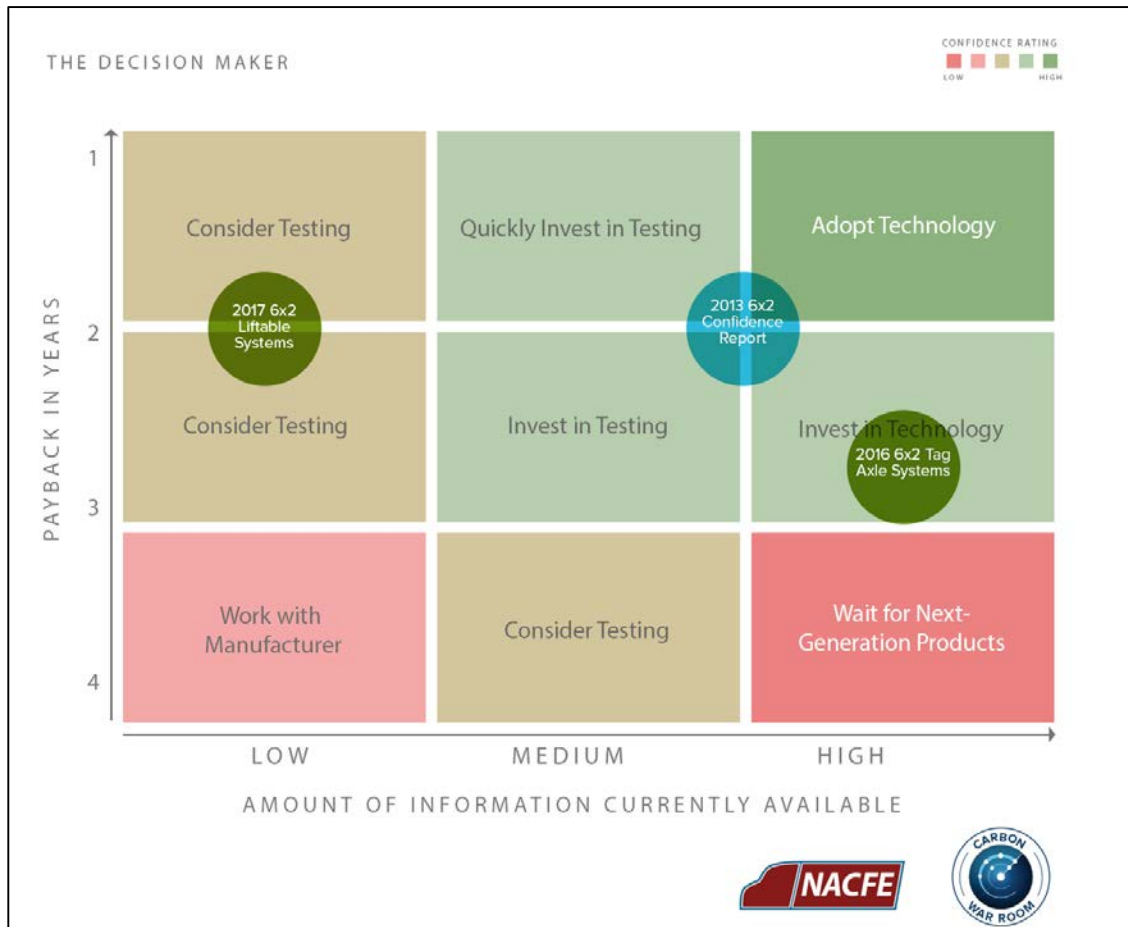


Solar

# TECHNOLOGIES: (6x2 AXLES)



Published July 11<sup>th</sup>.



[http://truckingefficiency.org/operational-practices/6x2\\_axles](http://truckingefficiency.org/operational-practices/6x2_axles)

# TECHNOLOGIES: PLATOONING

- Valid/proven fuel-saving
- Bulk of required technology being purchased
- Intervals not as close as widely believed
- Minimal stress on drivers
- Begin as inner-fleet option
- Become extra-fleet option quickly
- Will expedite autonomous driving tech



## EVOLUTION TO AUTONOMOUS TRUCKING



# TECHNOLOGIES: SOLAR

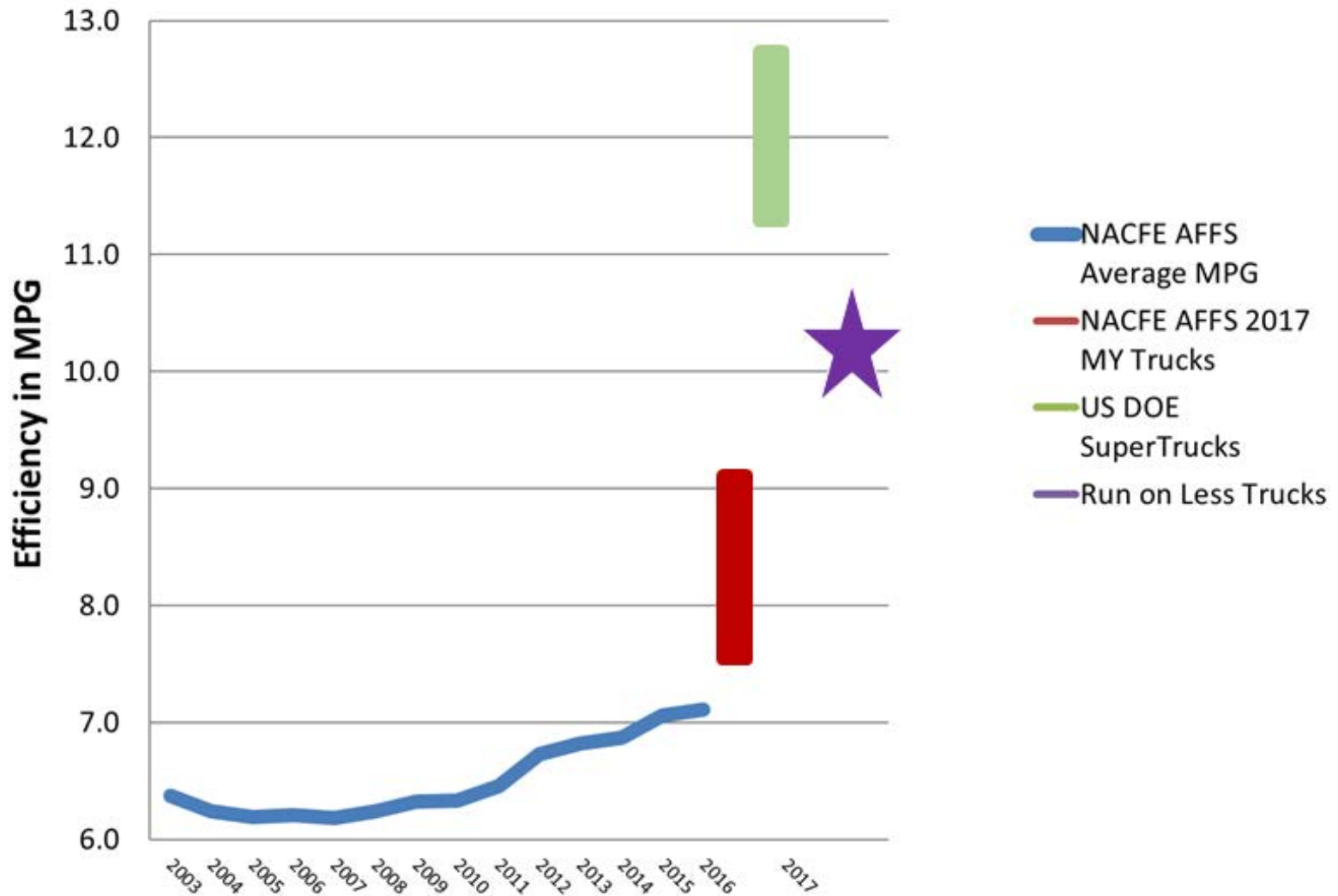


- On three RunonLess Tractor-Trailers and DOE SuperTrucks.
- Tractors for hotel loads and charging assist.
- Trailers for reefers, lift gates, telematics, etc.
- Suppliers active and scaling.

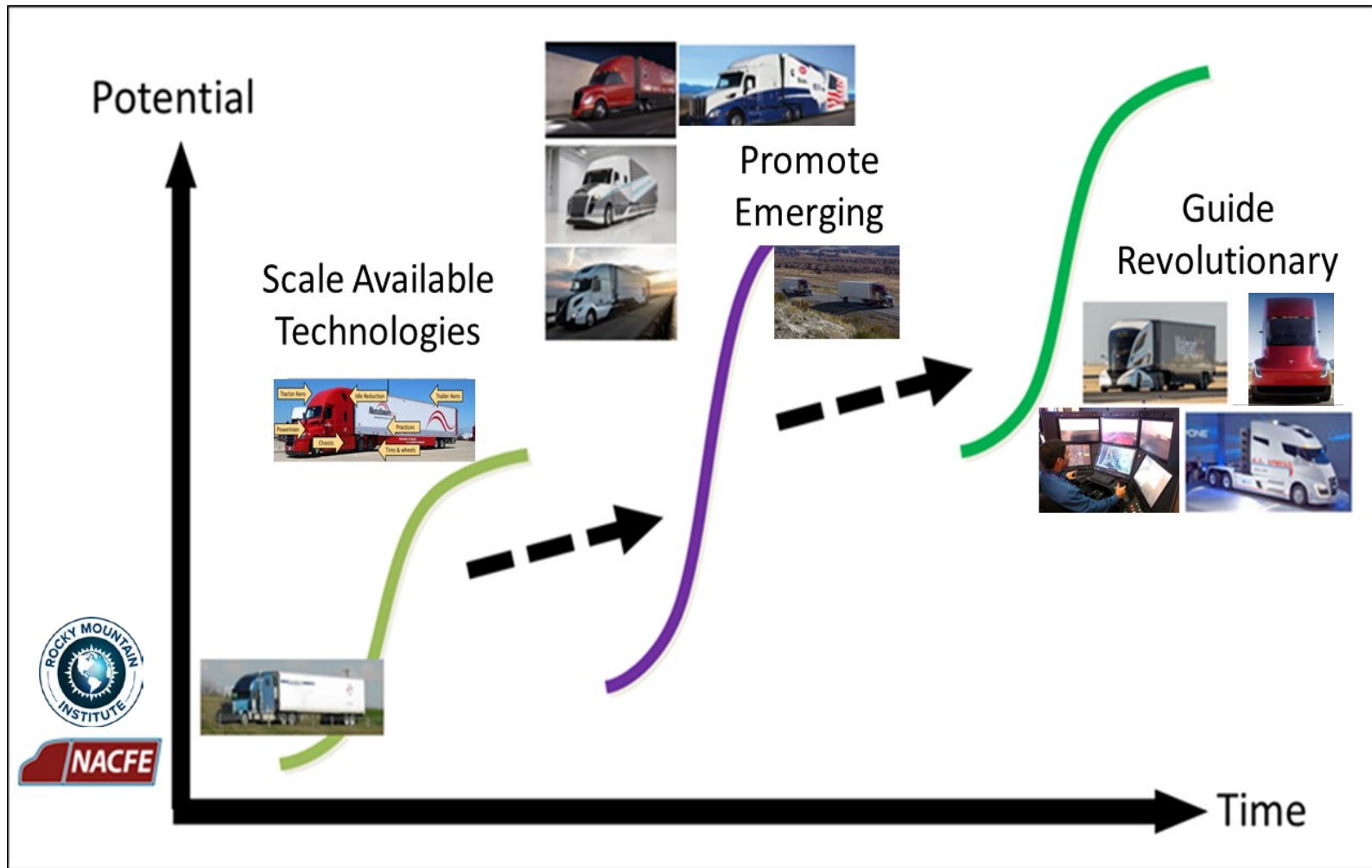


NACFE Confidence Report Study Team launched November 1<sup>st</sup>.

# Mileage Over Time



# NACFE GOING FORWARD

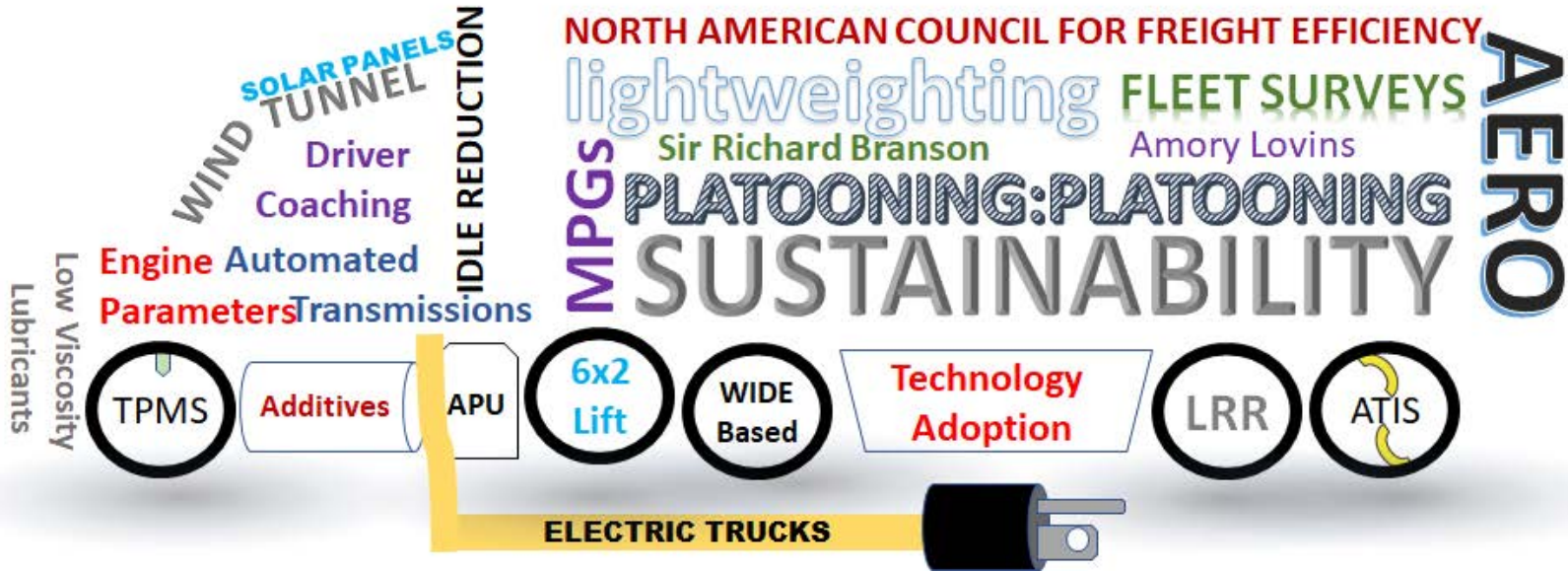


# Meet Up with **NACFE** on the road

WHAT	WHERE	WHEN	
NRC Pathways to Green Freight Workshop	Ottawa, ON	February 18th	
<a href="#">ACT Research Seminar</a>	Columbus, IN	February 27th	
TMC	Atlanta, GA	March 4th	
NTEA Work Truck Show & Workshop	Indianapolis, IN	March 8th	
Mid-America	Louisville, KY	March 22nd	
Shell: Make the Future	Sonoma, CA	April 19th	
Truck World	Toronto, ON	April 19th	
ACT Expo	Long Beach, CA	April 30th	
Your 2018 Event!	Your facility?	Filling up fast	



# Thank You!



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Dave Schaller, 260.602.5713, [david.schaller@nacfe.org](mailto:david.schaller@nacfe.org)

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