

### **NYC Fleet**

Partnering for Safer Fleets Keith T. Kerman, NYC Chief Fleet Officer Future Fleets Forum, London England January 22, 2020

## **NYC Vision Zero**



YEAR 5 REPORT | MARCH 2019

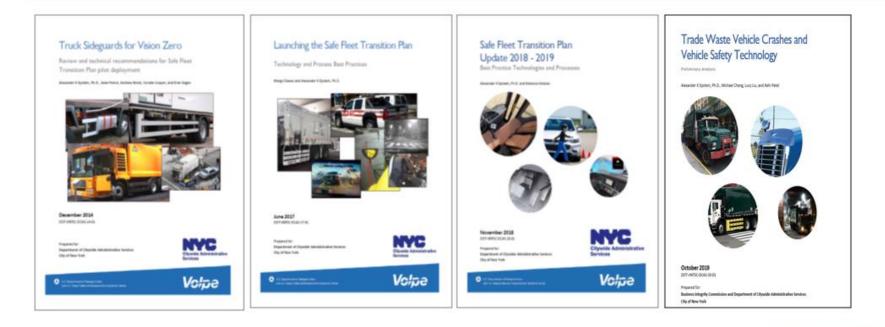
NYC

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# NYC and US DOT Partnership

### **NYC Safe Fleet Transition**







## **Safe Fleet Transition Plan**

Tier 1	Tier 2	Tier 3	
Tier 1	Best Practice Technologies	Exploratory Technologies	
High vision truck cabs where competitively available and operationally feasible * <sup>§</sup>	Pedestrian AEB for medium- and heavy-duty vehicles where available (Class 3-8) * <sup>6</sup>	Alcohol touch ignition interlock §	
Additional mirrors/lenses where applicable including Fresnel lenses *	Blind spot monitors	Cell phone physical or app-based lock box/ docking station ignition interlock <sup>§</sup>	
Appropriate technologies and techniques to see behind vehicle, such as but not exclusive to backup cameras	Enhanced Seat Belt Reminder systems (ESBRs)	Seatbelt assurance ignition interlock systems <sup>§</sup>	
Forward Collision Warning (FCW) and Pedestrian Collision Warning (PCW) for Class 1 and 2	Navigation systems	Surround cameras *	
Automatic Emergency Braking (AEB) for light-duty vehicles (Class 1-2) with Advanced Pedestrian Monitoring as preferred option where available <sup>§</sup>	Power mirrors and heated mirrors *	Turning alarms *	
Automatic headlights where available	Speed governors * 9	Universal design	
Enhanced truck rear underride guards *	Connected vehicle, or vehicle-to- vehicle (V2V), communication technology	Rear Automatic Emergency Braking (AEB) for light-duty vehicles (Class 1-2) <sup>§</sup>	
Safety lights for work trucks, such as but not exclusive to side-visible turn signals and roadwork lights (amber)	Broadband backup alarms +	Intelligent Speed Assistance (ISA) §	
Side underride guards * consistent with Local Law	Rear Automatic Emergency Braking (AEB) for heavy-duty vehicles with air brakes * <sup>§</sup>	Automatic Emergency Braking (AEB) for medium- and heavy-duty vehicles (Class 3-8) * <sup>5</sup>	
Self-adjusting volume backup alarms †	Forward Collision Warning (FCW) and Pedestrian Collision Warning (PCW) for Class 3 and above		
Telematics to enable utilization, collision, speed, and safety reporting, among other uses	External Cameras and Recording		
Warning decals *	Training where feasible in appropriate use of technologies		



Note: Entries in bold are potential updates for 2018 (see explanations below)

\* = Only apply to vehicles with gross vehicle weight rating of 10,000 lbs. or greater.

### **Real Time Tracking for City Fleet, School Busses**



THE CITY OF NEW YORK OFFICE OF THE MAYOR NEW YORK, N.Y. 10007

#### **EXECUTIVE ORDER No. 41**

#### March 28, 2019

CITYWIDE FLEET SUSTAINABILITY, RIGHT-SIZING, AND EFFICIENCY THROUGH NYC CLEAN FLEET PLAN

WHEREAS, the City operates a large fleet ("NYC Fleet") of vehicles and motorized equipment that is critical to the daily provision of municipal services; and

WHEREAS, the Department of Citywide Administrative Services (DCAS) through NYC Fleet manages an extensive network of fueling and electric vehicle charging infrastructure to power these fleets including light, medium, heavy duty and off-road units; and

WHEREAS, in accordance with New York City Charter section 827 and Executive Order No. 161 of 2012, DCAS procures all fleet units and fuel for City agencies and manages initiatives to implement cleaner alternative fuels, reduce vehicle emissions, and increase fleet efficiency; and

WHEREAS, the NYC Clean Fleet Plan was released in December 2015, and calls for NYC to implement the most sustainable fleet in the country, including operating at least 2,000 on-road electric vehicles by 2025 and reducing greenhouse gas emissions (GHG) by 50% by 2025; and

NOW, THEREFORE, by the power vested in me as the Mayor of the City of New York, it is hereby ordered:

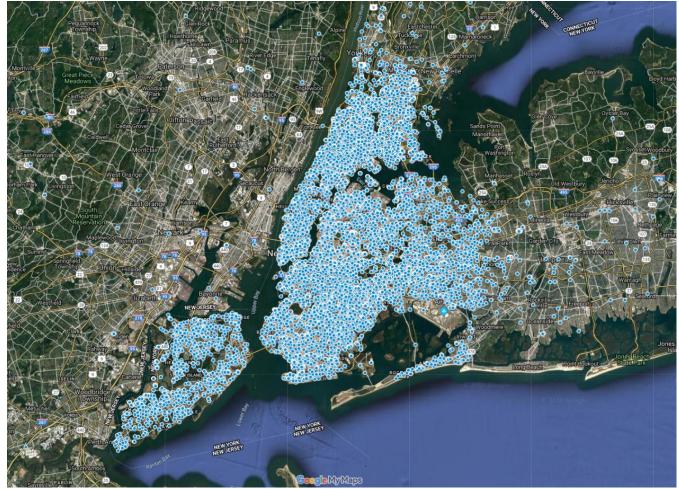
Section 1. <u>NYC Clean Fleet Plan.</u> DCAS, working with the Office of Management and Budget (OMB) and the Mayor's Office of Sustainability (MOS), will continue to implement the NYC Clean Fleet Plan. All agencies operating fleet units will support implementation of this phase of the plan and take all required efforts to achieve the environmental and efficiency performance goals within the NYC Clean Fleet Plan. DCAS and MOS will issue a report and update to the plan every two years, with the first such report and update issued by January 1, 2020. This report will include an update on implementation of this Executive Order.

§ 2. Fleet Size. By June 30, 2019, DCAS will implement telematics, mapping, and analytics for all City on-road fleet units, including long-term rentals. The New York City Police Department will implement a similar initiative. Working with OMB, DCAS will set fleet daily usage targets for all City fleet agencies and major operational sub-divisions of the fleet, to ensure that the City achieves an optimal fleet size based on documented usage patterns. At least 1,000 existing on-road units will be reduced by June 30, 2021. In addition, DCAS will sublish an 80 percent general usage standard for the





## Fleet is Everywhere!

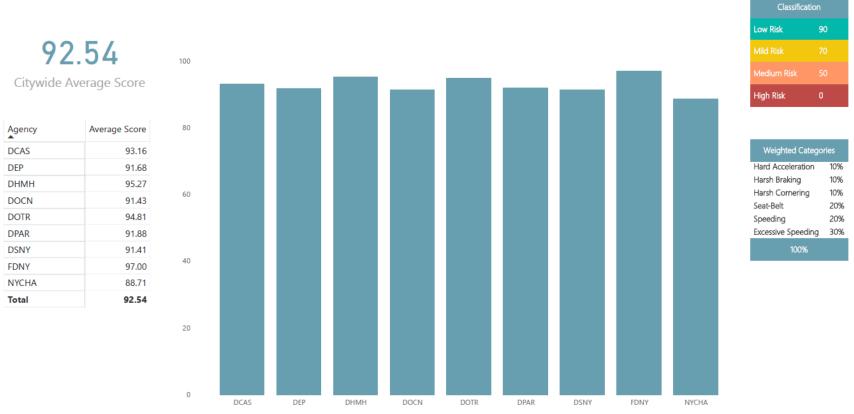




# **Safety Scorecards**

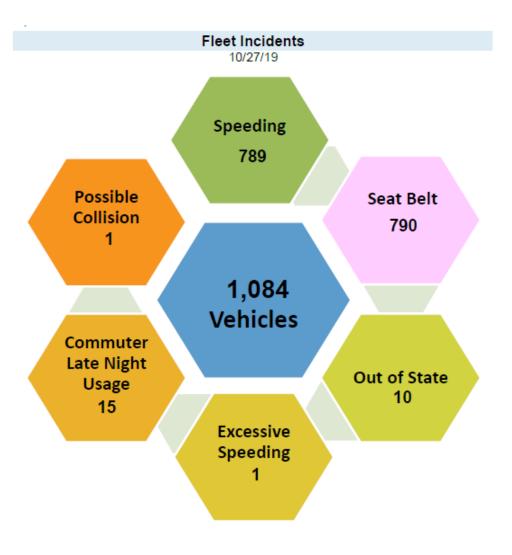
### **Geotab Safety Scorecard**

December 9, 2019 - December 13, 2019



NYC DCAS Citywide Administrative Services

### **Fleet Safety Reporting**





## **Instant CRASH Reports**

1/16/2019

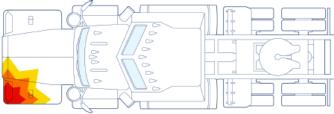
Collision Reconstruc

### Collision Reconstruction (BETA)

#### **Device Information**

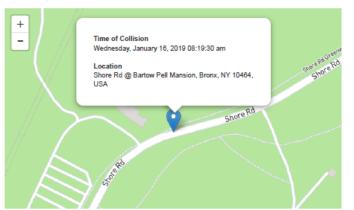
Vehicle Name: P8357 Driver: Unknown Driver VIN: 2FZACFDK08AZ36598 Vehicle: 2008 Sterling Acterra Time of Collision: Wednesday, January 16, 2019 08:19:30 am

### Point of Impact



### Map View

#### Trip History





## **Outfitting Vehicles for Safety**

SAFE FLEET TRANSITION PLAN				
	School Buses with live tolomatics		Sideguards, 2,909	
<b>City Vehicles</b>	telematics, 8,792	Blindspot Detection,	Backup Alarm,	Automatic Brakes,
with live		2,188	1,722	1,699
telematics, 12,199	Automatic Lights, 5,364	Driver Alerts, 1,922	Safety Lights, 1,320	Heated Mirrors, 779 Navigation, 577 Surround Camera, 253



### **Nation's Largest Sideguard Program**















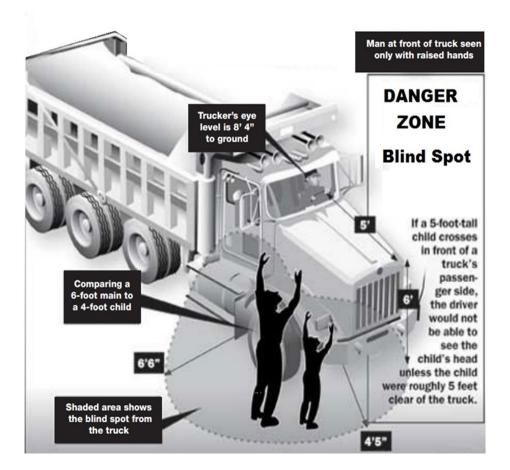






## **Improving Vehicle Line of Sight**

- All vehicles have line of sight and potential blind spot issues. These are more prominent for trucks.
- Pedestrians and bicyclists may think you can see them when you can't. A cyclist can be in your blind spot.
- On trucks, cross-over mirrors will help remove blind spots. Please practice using the mirrors and check your line of sight before getting on the road.





## V to V and V to I, Connected Vehicles

Together for Safer Roads, Anheuser-Busch First to Join NYC Connected Vehicle Pilot

New Public-Private Partnership Supports City's Vision Zero Goals



Left to right: David Braunstein, President, Together for Safer Roads; Cesar Vargas, Vice President of Legal & Corporate Affairs, Anheuser-Busch; Keith Kerman, Chief Fleet Officer and Deputy Commissioner, NYC Department of Citywide and Administrative Services; Mohamed Talas, Director of System Engineering, NYC Department of Transportation; Ellen McDermott, Co-Interim Executive Director, Transportation Alternatives NEW YORK – During the launch of the United Nations' Fifth Global Road Safety Week, international leaders held a briefing to recognize New York City's leadership in Vision Zero and pledge their support for it. Together for Safer Roads and its members, including Anheuser-Busch, will support the City of New York's Connected Vehicle Pilot: Anheuser-Busch is equipping its local fleet with connected vehicle technology to test driver alerts and other safety measures.

The City of New York's Vision Zero program is unique in the U.S. in its commitment to fleet safety and in business support for it. The Department of Citywide Administrative Services' Safe Fleet Transition Plan is the City's strategy to make the municipal fleet consistent with Mayor de Blasio's Vision Zero goal of eliminating traffic deaths and serious injuries in the city by 2024. The NYC Connected Vehicle Pilot provides a well-defined opportunity for private fleets to support this goal. Few, if any, Vision Zero cities have similar ways for businesses to proactively partner in this work.

While civic leadership is absolutely essential to achieving Vision Zero, ultimately it will not happen without robust participation from all sectors, especially businesses. Knowledge sharing and public-private partnerships like this one have long been hallmarks of the United Nations. In addition to bringing connected vehicle technology to new use cases, private sector participation in the pilot will help chart the way to bringing proven safety interventions to scale.

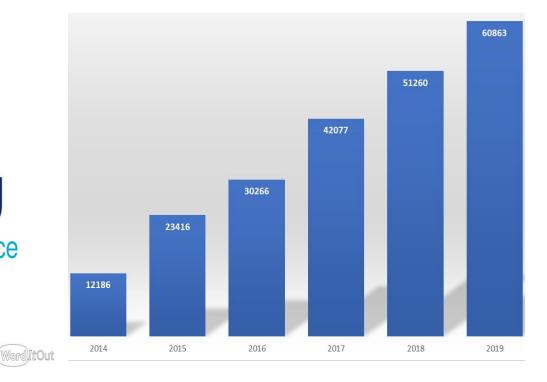
"New York City's Department of Citywide Administrative Services (DCAS) is proud to

partner with NYC DOT and represent New York City—one of only three test sites in the nation—as part of the U.S. DOT's Connected Vehicle Pilot Program. Through Mayor Bill de Blasio's Vision Zero Program, we are reducing traffic deaths and making the city's streets safer for everyone. We believe the Connected Vehicle program will take us even further and make our fleets and streets even safer," said **DCAS Commissioner Lisette Camilo**.



## **Surveying City Fleet Operators**







# **Separating Safety from Luxury**



NYC DCAS Citywide Administrative Services

## Hands and Mind on the Wheel

SAFE DRIVING IS **FOCUSED DRIVING! NO CELL PHONES** INCLUDING HANDS FREE AND NO TEXTING WHILE DRIVING.





# **Looking Out for Bikes**



#### NYC Fleet Newsletter

Bill de Blasio, Mayor Lisette Camilo, Commissioner Keith T. Kerman, Deputy Commissioner and Chief Fleet Officer

July 29, 2019 - Issue 271

#### Keeping Bicyclists Safe

By: Keith T. Kerman and Eric Richardson

On July 25, 2019, Mayor de Blasio announced the Green Wave plan for Bicycling in NYC. Biking in NYC is more popular and prevalent than ever. Biking can be a healthy and fun way to get around town and without the need to depend on cars and burn polluting fuels. The City and DOT have made substantial investments to expand bike lines and encourage the growth of biking, and bike sharing is more common than ever.

Under the plan, there will be additional development of protected bicycle lanes, renewed enforcement, and a focus on safety with private and public trucks fleets.

As biking expands, fleets and drivers need to do more to keep bicyclists safe and better share the roads. Through our Vision Zero Safe Fleet Transition Plan we are re-designing vehicles to make them safer including for bicyclists. Our truck side-guard initiative, fleet telematics tracking, high vision truck requirements, and lane and collision alert systems will help prevent collisions with bicyclists and keep bicyclists safe.

There are also critical steps our nearly 80,000 fleet operators can take. Please follow these common sense safety practices:

 Respect the use of bike lanes by bicyclists. Do not park, stop, or idle in a bike lane unless for an emergency response or unavoidable work specific purpose, such as repairs to the lane itself.





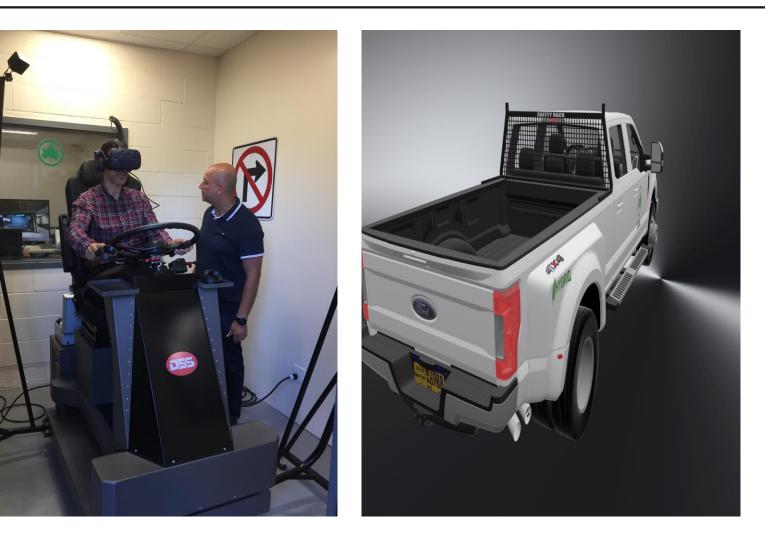


turns.

 After parking, check for bicyclists before opening the door. You can use the opposite hand technique to open the door. Use your hand furthest from the door to open the door. This will help shift your body in a better position to see bicyclists coming from behind you.

 Allow extra space for bicyclists and drive cautiously near them. Just like pedestrians, bicyclists are greatly exposed and at risk in potential crashes with cars and trucks and we must give them the benefit of any doubt on the roads. Provide 3 feet or more of extra space for bicyclists and be especially careful when making

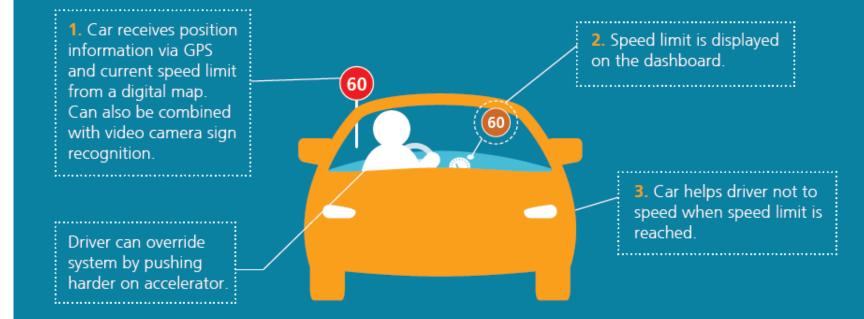
## **Introducing VR for Training**





# **Taking Next Steps including ISA**

### WHAT IS INTELLIGENT SPEED ASSISTANCE?





## **Partnering Across the World**





### TRANSPORTATION ALTERNATIVES



#### Please join us at the City of New York's 6th Annual Vision Zero Fleet Safety Forum, where you will hear from fleet managers, experts on fleet safety procure, where you will hear from fleet managers, experts on fleet safety practices and technologies, and advocates for the Vision Zero organ.

are also a limited number of spaces available for exhibits. Reservations are required for attendees and exhibitors. To RSVP, please contact <u>NYCFleet@dcas.nyc.gov</u>.

> Thursday, October 31, 2019 8:30 AM to 1:30PM ens Theatre, Flushing Meadows Corona Park RSVP to <u>NYCFleet@dcas.nyc.gov</u>

For more information, please contact: Dan Shinn-Krantz at NYC Fleet, <u>dkrantz@dcas.nvc.gov</u>, 212-386-0377

Queens Theatre in the Park is an accessible venue. For accessibility questions please contact Dan Shinn-Krantz, 212-386-0377, by Friday, October 25

Directions in the park: <u>By car</u>: when you arrive at Flushing Meadow Park follow the signs for Theatre Parking. <u>Zinain Ridgers</u>: Exit at the Willets Point station. Follow the boardwalk into the park, you will pass the USTA Mational Tennis Center. At the end of the boardwalk, follow the tree-lined path or your right to the Unisphere, then bearl int towards the towers. GREETS

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KEY COLLABORATORS

LADV

NYCDCAS

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AN EVENT BY



Local Authority Plant & Vehicles
Future Fleet Forum 2020

22nd January | Guildhall, London

Hosted by

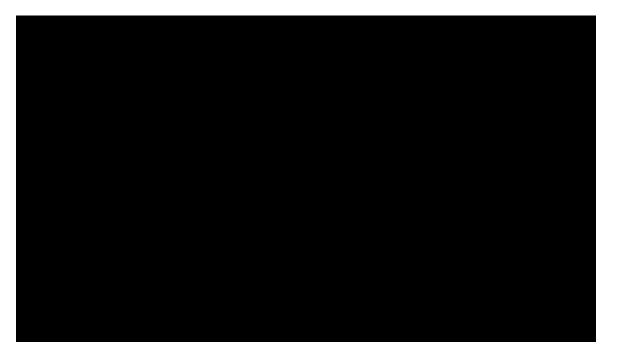
CITY

LONDON

# **NYC Fleet: Driver Training Video**

Truck Safety Video

Partnership between NYC DOT and NYC Fleet







### THANK YOU