



# INTERNATIONAL® TRUCK EMV™ SERIES

## FREQUENTLY ASKED QUESTIONS: ZERO EMISSIONS

### HOW CAN THE INTERNATIONAL ZERO EMISSIONS TEAM SUPPORT MY TRANSITION TO A ZERO-EMISSIONS FLEET?

The International Zero Emissions team will support your transition by facilitating a comprehensive buying process, which encompasses more than your vehicle purchase. Our consultative approach leverages the insights of Zero Emissions subject matter experts and internal teams, as well as partnerships with third-party entities to ensure you are purchasing not just the vehicles but also the charging solutions and infrastructure to enable your success.

### HOW CAN I DETERMINE IF AN ELECTRIC VEHICLE IS RIGHT FOR MY FLEET?

A great starting place is to speak with an International Dealer. They will ask you a number of questions to help determine where you are in the journey and what steps you should take first to prepare. Please reach out to your dealer or [ZeroEmissions@Navistar.com](mailto:ZeroEmissions@Navistar.com) to talk with a trusted advisor.

### WHY IS THE COMMERCIAL VEHICLE INDUSTRY TRANSITIONING TO ZERO-EMISSIONS VEHICLES?

Because of the damaging effects of fossil fuels on the environment, the push for EVs (Electric Vehicles) has never been greater. The transition to zero-emissions vehicles will help to reduce the fossil fuel impact on climate change, air, and water quality. Depending on the type of vehicle, battery electric buses are up to 3.5 times more efficient than diesel and natural gas vehicles at normal speeds. With fewer parts to replace, maintenance on each vehicle will also be greatly reduced.

### HOW DO BATTERY ELECTRIC VEHICLES COMPARE WITH DIESEL-POWERED TRUCKS?

Simply put, electric vehicles are quicker, quieter, and cleaner, creating a better experience inside the vehicle and out, while producing zero tailpipe emissions.

### HOW DO BATTERY ELECTRIC VEHICLES WORK AND WHAT ADVANTAGES DO THEY OFFER?

High-voltage batteries power the truck communicating with software that sends energy to an electric motor.

Some advantages include:

- No exhaust gases
- Lower Maintenance Costs
- Fuel savings
- Quiet cabin and comfortable ride
- Federal and state funding may be available to offset costs



### **WILL THE ELECTRICAL GRID BE ABLE TO SUPPORT THIS TRANSITION?**

Necessary infrastructure upgrades are in process. Most utilities are investing in grid updates and are preparing for the future of zero-emissions vehicles. While infrastructure varies regionally, it is vitally important to plan ahead for implementing EVs into your fleet. Engage early with your local utility company to gauge your energy requirements both now, as well as in the long term. It's better to plan ahead for infrastructure support, than getting too far along in the conversion process and realizing that you do not have adequate infrastructure in place to support it.

### **DO FIRST RESPONDERS KNOW HOW TO HANDLE ELECTRIC VEHICLES IN CASE OF FIRE OR A CRASH?**

During the delivery of the vehicle, International is committed to help train local first responders prior to the EV truck being put into service in their area. We have published documents with the NFPA (National Fire Protection Agency) documenting where the safety switches and cut points are on our vehicle. The battery chemistry does not require special chemical extinguishers in the case of a thermal event.

### **WHEN WILL ELECTRIC VEHICLE COST COME DOWN COMPARED TO DIESEL?**

It is anticipated EV costs will decrease by the end of this decade due to the ramp up of California Air Resources Board (CARB) and EPA regulations within the states. This will continue to drive up the cost of diesel with hefty penalties if the required percentage of electric vehicles sold is not met.

EV batteries are among the most expensive components of the powertrain and as new EV battery technology evolves, we expect batteries' lifespan to increase – as well as becoming more efficient and cost effective over time.

### **ARE PUBLIC FUNDS AVAILABLE?**

Yes, there are a number of grants and funding opportunities available by state and county depending on your location. The International Zero Emissions grants team can support in determining what grants could work for you.

### **HOW DO WE PROVIDE THE DEALERS WITH THE SUPPORT THEY NEED FOR SERVICE?**

We offer training and education courses delivered by our dedicated International Zero Emissions Deployment Team to make sure dealers and customers are EV service ready and trained.

### **IF A COMPONENT FAILURE CAUSES A THERMAL EVENT, WHO PAYS FOR THE VEHICLE?**

This scenario would be handled the same as a diesel truck thermal event. The Insurance would cover the cost of the damage/replacement value of the vehicle.

### **DOES INSURANCE COST INCREASE DUE TO THE HIGH COST OF ELECTRIC VEHICLES?**

While every situation and insurance company is different, the customer experience so far across the US and Canada has not shown a significant increase in insurance premiums due to adding EV vehicles to their fleet.