



SHOREPOWER TRUCK ELECTRIFICATION PROJECT (STEP) (REBATE PROGRAM)



FREQUENTLY ASKED QUESTIONS

What is STEP?

STEP stands for the Shorepower Truck Electrification Project. It is a project that is funded by the U.S. Department of Energy, administered by Cascade Sierra Solutions (CSS) and carried out by CSS in partnership with Shorepower Technologies (SPT). SPT is constructing over 1,200 Electrified Parking spaces for long-haul trucks at 50 truck stops across the nation. The over 1,200 parking spaces will more than double the available truck stop parking spaces equipped to provide electrical power to long-haul trucks. To accelerate the number of trucks equipped to take full advantage of the parking, CSS will provide over \$10 Million in purchase rebates for idle reduction equipment to vehicle owners who will commit to using the STEP network to reduce their fuel consumption.

What is Truck Stop Electrification or TSE?

Truck stop electrification (TSE) also known as Electrified Parking Spaces allows truckers to "plug in" vehicles to operate necessary on-board systems without idling their main engine. Most idle reduction equipment, whether factory installed or aftermarket, is available with electric standby capability. Electric standby allows heating and cooling systems and electrical cab comfort appliances to operate when the main engine is off. Millions of gallons of diesel fuel are burned by idling trucks every year. More than 20% of long-haul heavy-duty trucks are factory-equipped for electrical connections and 100% of trucks can simply run an extension cord into their truck cab to gain the economic benefits of TSE.

What are the benefits of TSE?

Truck stop electrification can reduce the harmful diesel emissions that truckers breathe every day and provide substantial fuel savings when not idling. Additionally, truck stop electrification can allow truckers to comply with local idling regulations and reduce noise. Drivers can experience a more comfortable rest period for about 1/3 the cost of idling and breathe much healthier air. Truck stops can benefit from revenue sharing while drawing new customers to their sites.

How much does it cost to retrofit a truck to use TSE?

This depends on the technology needed. Retrofitting a cab can cost as little as \$60 for an extension cord and portable heater or as much as \$10,000 for a fully integrated Auxiliary Power Unit that can operate on electricity at a truck stop or on a small diesel engine when in an area where electrical hook-ups are not available.

What is Shorepower?

The term Shorepower is derived from marine electrical hookups at boat docks. In trucking applications, shorepower is a suite of integrated technologies that make truck stop electrification (TSE) a convenient service and money saving proposition for owners and drivers. The company Shorepower Technologies (SPT), as their name suggests, specializes in electrical plug-in stations for TSE sites and other electric vehicles. The SPT system consists of the following components:

- **Power Pedestal:** An all-weather post mounted fixture adjacent to each parking space that delivers 120 VAC and 208 VAC power, wireless internet, and cable TV services.
- **Payment and Control System:** The automated payment and control system allows Shorepower Technologies to complete each transaction remotely and deliver services to drivers, without requiring on-site personnel. Drivers can turn on the service through an on-site kiosk, a toll free phone number, or through an internet site.

How much will it cost to use the parking?

It costs approximately \$1/hour to use the STEP TSE parking facilities (wireless internet is optional). Discounted rates may be available to frequent users and for fleet loyalty agreements. At today's fuel prices, the STEP system connection is 1/3 to 1/4 the cost of idling the main truck engine overnight.

Where is the network of truck stops going to be?

The network of TSE sites will be established along the busiest freight movement corridors. Approximately five corridors are being targeted for development. Truck stop locations along those corridors will be determined by several factors. Truck stop owners who are strong supporters of the TSE technology and recognize the benefits to their facilities are likely to be awarded contracts to build pedestal sites if they are in preferred locations. Early adopter Fleets who will commit to routing drivers through network locations can influence the project to build TSE infrastructure where it has the highest probability of use. Finally, consideration will be given to existing TSE facilities that are already in place, whether they are Shorepower Technologies power pedestals or other TSE equipment types so that unnecessary overlap of TSE sites does not occur. This network will compliment other existing TSE sites rather than compete with them.

How much is the rebate worth?

Generally speaking, the rebates are worth 20% of the installed equipment cost. A maximum cap is applied because of price range differences within equipment categories as well as differences in the retail pricing across the nation. The STEP Rebate program is national in scope. U.S. EPA SmartWay verified idle reduction technologies and certain other equipment such as trailer Transport Refrigeration Units (TRUs) with electric standby, Truck Cold Plate Systems and Truck Refrigeration Systems are also eligible for consideration. Visit https://csswebform.org/WebForm/TSE_home.aspx to see the maximum amount available for each equipment category.

What equipment is eligible for a rebate?

The current list of eligible equipment models is shown at http://csswebform.org/WebForm/Supplier_list.aspx. The STEP Rebate program is a multi-year program and the list of eligible equipment is expected to change periodically. This web link will provide the most current list of eligible equipment by category.

How can I get a rebate?

Interested vehicle owners can apply for a rebate authorization on-line at https://csswebform.org/WebForm/TSE_home.aspx. Rebates must be pre-authorized and are not available for equipment already installed on a vehicle. In addition to selecting an eligible technology, the vehicle owner must also commit to using the TSE sites when available and utilization will be monitored. After completing the on-line application, a CSS Technical Advisor will work with the applicant to complete the necessary steps for rebate authorization.

How do I know if I am eligible?

The rebate program is open to tractors and trailers that are domiciled in the lower 48 states. The vehicle owner must commit to using the network of Shorepower electrical pedestals located at the 50 truck stops. Utilization will be monitored throughout the contract period and vehicles that do not use the network may be subject to returning the rebate to the U.S. Department of Energy. Independent Owner-Operators as well as Fleets are eligible. The CSS Technical Advisor assigned to your application will make the determination of whether your installation request is for eligible equipment models and that your vocation will allow participation. The applicant must receive a rebate confirmation from CSS before work begins on the vehicle.

Where can I find out more about the STEP project?

A web site has been established so truck stop owners, Fleet Managers and their drivers can learn about the program and follow the progress of truck stop locations and the remaining rebates available. Visit www.the-step-project.org for more information.

How do I get started?

If you are a truck stop, contact Shorepower Technologies at 503-892-7345 to see how you can get TSE sites installed at your location for no or very little cost. If you are a vehicle owner who can commit to using the TSE sites, complete an on-line rebate application at https://csswebform.org/WebForm/TSE_home.aspx and a CSS Technical Advisor will contact you directly. For general questions about the program, contact CSS at 503-289-3578.

If I am a Fleet, can all my vehicles get rebates?

At this time, the maximum number of rebates any individual Fleet can receive is 25. Although there are over 5,000 rebates due to be awarded, this is a very small number compared to the number of trucking companies and Independent Owner-Operators that can benefit from the program. The intention of the project is to help the maximum number of organizations to begin using TSE as a fuel savings strategy when routing their Fleets.

What if additional installation charges occur after I forward my quote to CSS? How does this affect my rebate?

Inevitably, unforeseen installation costs will occur that were not accounted for on the pre-installation quote that was used to determine the rebate certificate amount. If the final invoice amount will be different (higher or lower) than the pre-installation quote, the installer will need to discuss the changes with the CSS Technical Advisor for the project before the final invoice is submitted to CSS. A failure to do so will unnecessarily delay the rebate processing and subsequent payment to the installer. The CSS Technical Advisor will determine how the change in invoice amount will affect the rebate amount.

If I receive additional discounts from the installer or dealer, how will that affect my rebate?

Other discounts and incentives are acceptable and encouraged to help reduce the technology cost to the truck owner. The rebate amount is calculated on the project cost after any other discounts are applied. The rebate amount will be 20% of the installed equipment costs up to a maximum by product category. Visit https://csswebform.org/WebForm/TSE_home.aspx to see the maximum amount available for each equipment category.