

Testimonials from Electric Yard Truck Grant Participants

Background:

The Puget Sound Clean Air Agency and the Northwest Seaport Alliance have partnered with several organizations to replace diesel yard trucks with electric yard trucks. Below is a description of the projects we have worked on and testimonials from our partners.

Project Descriptions:

Grant Participants	No of Vehicles	Duty Cycle			Electric Yard Truck Manufacture	Charger
		Days/ Week	Hrs/ Day	Weight load (lbs)		
King County Solid Waste	2	7	12	81,000	Orange EV	Orange EV
NewCold Logistics	1	7	12	80,000-105,000	Orange EV	Orange EV
Seattle Public Utilities	1	7	12	80,000	Orange EV	Orange EV
McLane Co.	2	7	12	102,000	BYD	Charge Point
BNSF Railway	12	7	22	81,000	BYD & Autocar Trucks	Rivian - 3x100kW
Albertsons	2	7	15	81,000	Orange EV	Orange EV - 22kw
Rail Management Services *	6	7	12	81,000	Ottawa shell - Orange EV motor	Orange EV - 22kw

*Rail Management Services project was administered by the Northwest Seaport Alliance



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Testimonial form our Partners:

Driver's Overall Impressions

No motor vibration!

Super quiet!

Makes my day go by faster!

Less fumes!

Smoother driving!

No transmission jerking the truck.

No more annoying lights and bells.

Less stressful by the end of my shift!

I can hear the radio on level 6 and not 60!

Don't have to use the brakes as much as diesel yard truck!

Better stability while making sharp corners with a trailer.

Quieter cab makes communication with coworkers easier.

My boots don't get as hot on the floorboards anymore!



Recommendations to others interested in electric yard trucks

Make sure you choose the correct vehicle for your application.

Be sure to take a minute and find the right area to place your charger based on if you plan to opportunity charge or charge after a shift.

Thoughts on Maintenance

Overall, e-yard trucks have less maintenance, but parts are not as readily available as tradition diesel parts and can be more expensive.

Thoughts on Training

We incorporated hands-on training that focused on differences between traditional gas [diesel] powered trucks vs electric. This training included our sales rep at Orange EV as well as their head technician to work with our maintenance team on preventative maintenance requirements.

Orange EV sent a trainer out to train our employees.

Driver Adoption

Some drivers immediately like the EVs.

Usually after a few months most drivers prefer the EVs.