

Massport Electrification initiative and VALE funding

VALE funded projects at Massport include:

Grant Number	FY	Project Description	FAA Funding	Other Funding	Status
3-25-0010-105-2010	2010	Replacement of 96 Diesel powered shuttle Busses with 32 60-foot articulated diesel electric hybrid busses and 18 42-foot CNG powered busses	\$5,974,017.00	\$29,176,375	All 50 Busses are on site and operational.
3-25-0010-119-2013	2013	Terminal B, Pier A, installation of jet bridge mounted PCA and 400hz Ground power systems to 8 gates.	\$2,000,000.00	\$666,668.00	Installed and operational
3-25-0010-129-2018	2018	Terminal B Pier B, Posi-Charge dual port charging stations to support American Airlines converting 99 pieces of GSE to eGSE	\$1,649,222.00	\$857,891.85	Installed and operational
3-25-0010-131-2019	2019	Terminal C, Posi-Charge dual port charging stations to support JetBlue Airways converting 86 pieces of GSE to eGSE	\$3,051,925.00	\$1,483,979	Installed and operational.
3-25-0010-134-2020	2020	Terminal E / GA ramp, Posi-Charge dual port charging stations to support Signature Aviation and Triangle Services converting 19 pieces of GSE to eGSE.	\$1,365,716.00	\$504,929	Project awarded 9/2020. Anticipated construction will take place in 2021.

To date the VALE program has assisted Logan Airport in reducing air pollution by:

- Removing 96 diesel powered shuttle busses from service and replace them with 50 CNG and Diesel-Electric hybrid busses.
- Installing Pre-Conditioned Air and Gate power to 8 gates in Terminal B, completing the electrification at all Logan Airport gates and reducing the need for Auxiliary Power Unit usage by aircraft at gates.
- Installation of GSE dual port charging stations, allows Massport to secure commitments from GSE owners to remove 204 pieces of traditional fossil fuel powered GSE from service and replace them with all electric eGSE.
- Massport has 264 active eGSE charging ports on the Airfield at Logan Airport. 20 more ports are proposed as part of the 2020 grant listed above.

