



Status of Zero-Emission Technologies

The following table summarizes the status of zero-emission technologies for categories of equipment and vehicles that account for significant air pollution and greenhouse gases generated in the Bay Area region as of 2018.

Table 1: Status of zero-emission technologies

Technology Readiness Level	Vehicle / Equipment Category
Commercially Available	Light-duty cars/SUVs
	Buses
	Cargo handling equipment
	Locomotives - switchers/yard goats
	Ocean going vessels (at berth)
	Transportation refrigeration units
	Medium-duty trucks
	Batteries for emergency or backup power (~5kW or shorter load durations)
	Fuel cell systems for emergency or backup power (~5-20kW)
Early Commercialization	Small construction equipment
	Batteries for emergency or backup power (>5kW)
Demonstration	Heavy-duty trucks
	Cargo handling equipment (container top/side picks)
Not Yet Available	Commercial harbor craft
	Large construction equipment
	Locomotive - line haul
	Ocean going vessels (at sea)