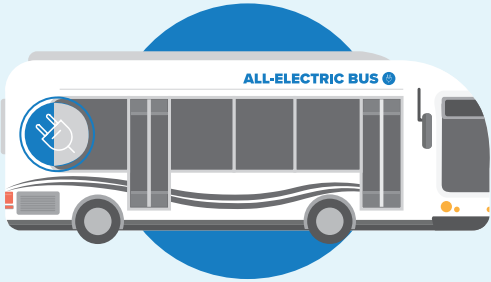







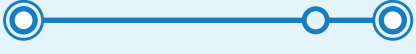













High Capacity Transit Modes

This is a brief guide to the high-capacity transit options that play a role in the six alternatives currently being considered for the East County Integrated Transit Study.

Mode	Zero Emission Vehicle Type*	Transit-Only Operations	Capacity & Construction Cost	Stop Spacing/Distance	Frequency
BUS RAPID TRANSIT 	ELECTRIC BATTERY Electric motor rechargeable at docking ports and charging stations	RAPID BUS ON LOCAL STREETS Operates in mixed traffic on local roadways		 Stops 1/2 to 1 mile apart	 Every 10 to 20 mins
	HYDROGEN FUEL CELL Electric motor powered by a refillable Hydrogen fuel tank	RAPID BUS ON FREEWAY Operates in its own bus-only lane within freeway right-of-way		 Stops spaced several miles apart	 Every 10 to 20 mins
		EXPRESS BUS May operate in mixed traffic or managed (high-occupancy vehicle [HOV], or toll) lanes		 Stops at the end of the line with several miles between	 Every 20 mins
COMMUTER RAIL TRANSIT 	ELECTRIC HYBRID Locomotive engine powered by electric multiple unit battery, or overhead contact wire system Electrical charging stations or substations required	Operates exclusively on rail within transit and freight-only right-of-way, separate from auto lanes		 Stops 1 to 3+ miles apart  Up to 3 connected cars	 Every 15 to 20 mins
RAIL 	TRACTION POWER Electrified rail cars powered by rail system and supported by electrical substations	Operates exclusively on rail within transit and freight-only right-of-way separate from auto lanes, on an overhead structure, or in a tunnel		 Stops 1/4 to 1 mile apart  Up to 7 connected cars	 Every 7 to 20 mins

* Caltrans, who provided the grant for this study, requires all alternatives to use zero-emission/electric transit vehicles.