



Greening Committee – Transportation Services Branch

September 30, 2026

Electric School Bus & Fleet Transition

ELECTRIC SCHOOL BUSES (ESB)

EXISTING: 1296 BUSES

- 250 ESB (Existing) 111 ESB (Proposed)
- 525 ESB BY Q4 2028-29 (Combined Total)

SEPULVEDA BUS YARD

EXISTING: 35 BUSES
(LIMITED SIZE LOT)

VAN NUYS BUS YARD (LEASED SITE)

EXISTING: 260 BUSES

108 ESB + 160 EV CHARGERS (Portable)

SUN VALLEY BUS YARD

EXISTING: 203 CNG BUSES

6 EVSE (Existing to be replaced))

PHASE 2 BY 03/2027 (In Construction)

192 EV CHARGERS – (123 L2 + 68 L3)

GARDENA BUS YARD

EXISTING: 400 BUSES

18 ESB + 18 L3 (Existing)

ELECTRIC VEHICLE CHARGERS

45 Existing + 192 in Construction = 237

TUXFORD BUS YARD (LEASED SITE)

EXISTING: 281 BUSES

49 ESB + 20 INACTIVE ESB

40 EV CHARGERS (Portable)

NEWMAN BUS YARD

EXISTING: 50 BUSES

10 ESB + 10 L2 (5 Dual Chargers – Existing)

PHASE 2:

32 ESB + 32 EV CHARGERS: Planned

SAN JULIAN BUS YARD

LAUSD PROPERTY:

EXISTING: 165 BUSES

22 ESB + 17 EVSE (Existing)

PHASE 2:

79 ESB + 79 EV Chargers

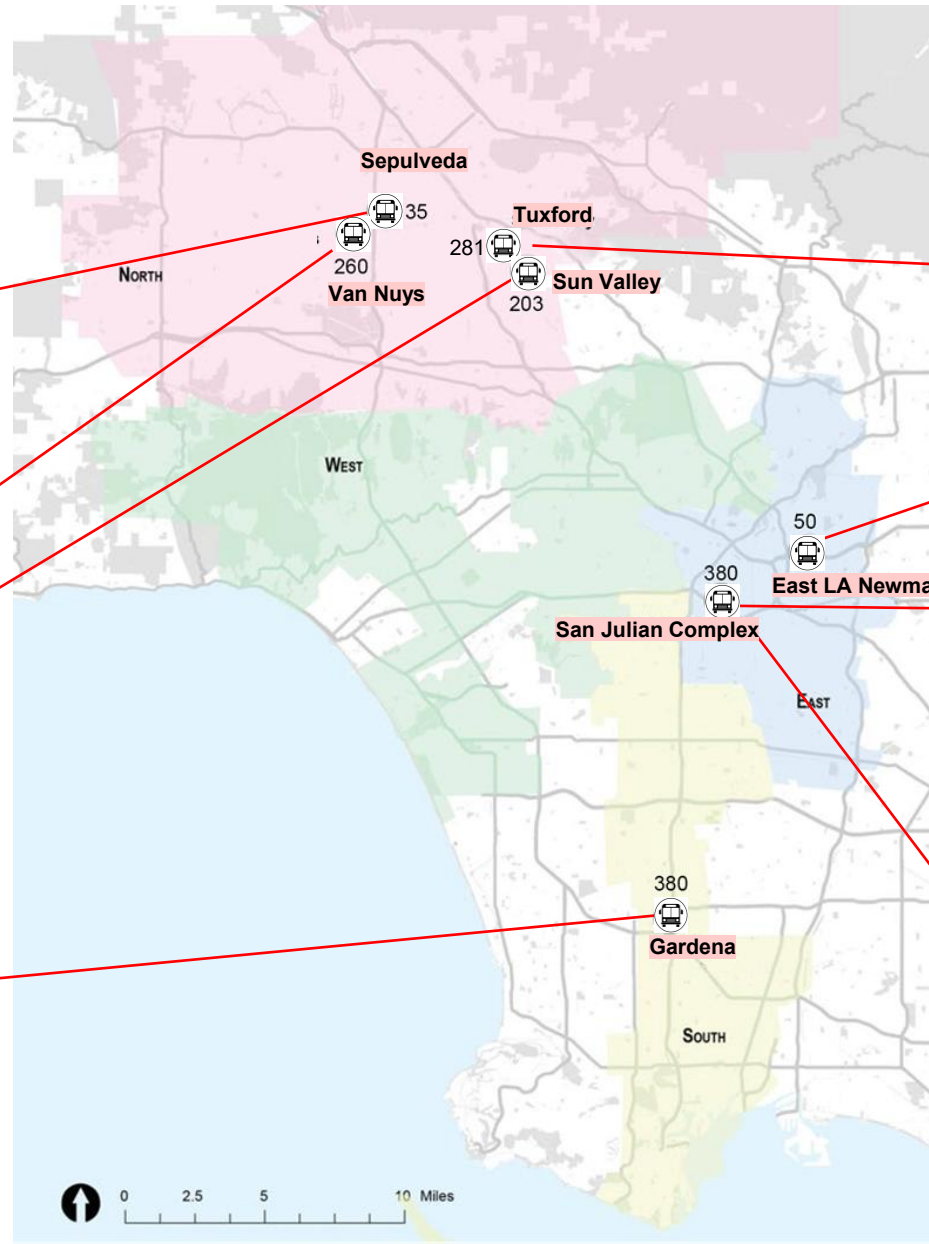
(29 ESB + 29 EV CHARGERS: Planned

(50 ESB + 50 EV CHARGERS: Planned

14th ST BUS YARD

LEASED SITE (Under freeway):

EXISTING: 220 BUSES



Electric School Bus (ESB) & Fleet Transition

	Current Chargers		Planned New Chargers	
	Level 2	Level 3	Level 2	Level 3
Sun Valley	0	0	123	68
Tuxford*	40 Portable		-	-
Van Nuys*	160 Portable		-	-
Sepulveda	0	0	0	36
San Julian	0	17	41	38
14 th Street	0	0	0	40
Newman	10	0	0	32
Gardena	0	18	0	78
TOTAL	210	35	164	292

*Leased site



Sun Valley Bus Yard – Electrification Strategy

11247 Sherman Way, Sun Valley, CA 91352

Scope of Work

(2) 4000A Service Upgrade, Solar Carport, Battery Storage, Bus Wash, Perimeter Fencing

192 Buses (6 Existing +186 Additional)

192 EV Chargers (includes 6 replacing existing DCFC)

- 124 EVSE EV Chargers
- 68 DCFC EV Chargers (6 replaced)

Total Investment in Infrastructure: \$88.7M

Target Completion Date: Q1 2027



San Julian Bus Yard – Electrification Strategy

1430 San Julian St, Los Angeles, CA 90015

Scope of Work

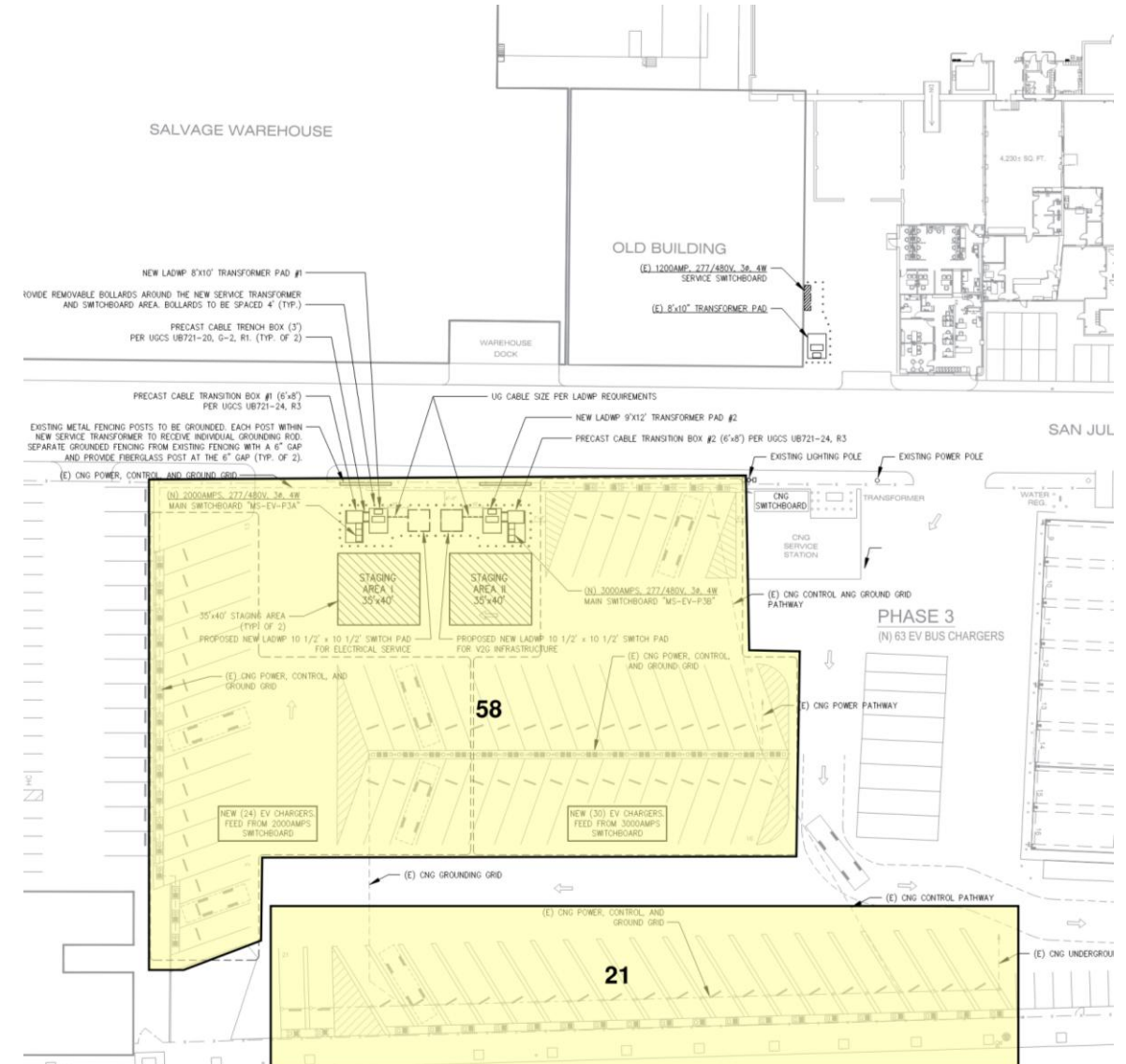
- (2) 4000A Service Upgrade
- **PHASE 1 – 17 ESB + 17 DCFC Chargers (Completed)**
- **PHASE 2 – 79 ESB + 79 EV Bus Chargers**

Funding

- **PHASE 1 – 17 ESB : HVIP/Gen Fund (Completed)**
- **PHASE 1– 17 L3 EV Chargers: Misc. TSD (Completed)**

Total Infrastructure Investment: ~28.6M

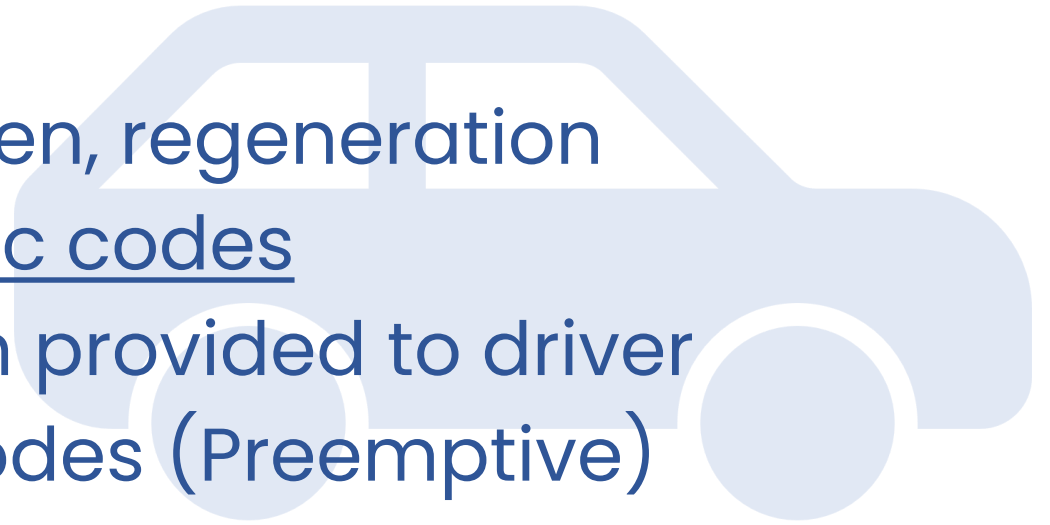
Target Completion Date of Phase 2: End of 2028



Safety Considerations

1. Continuous Monitoring of ESB

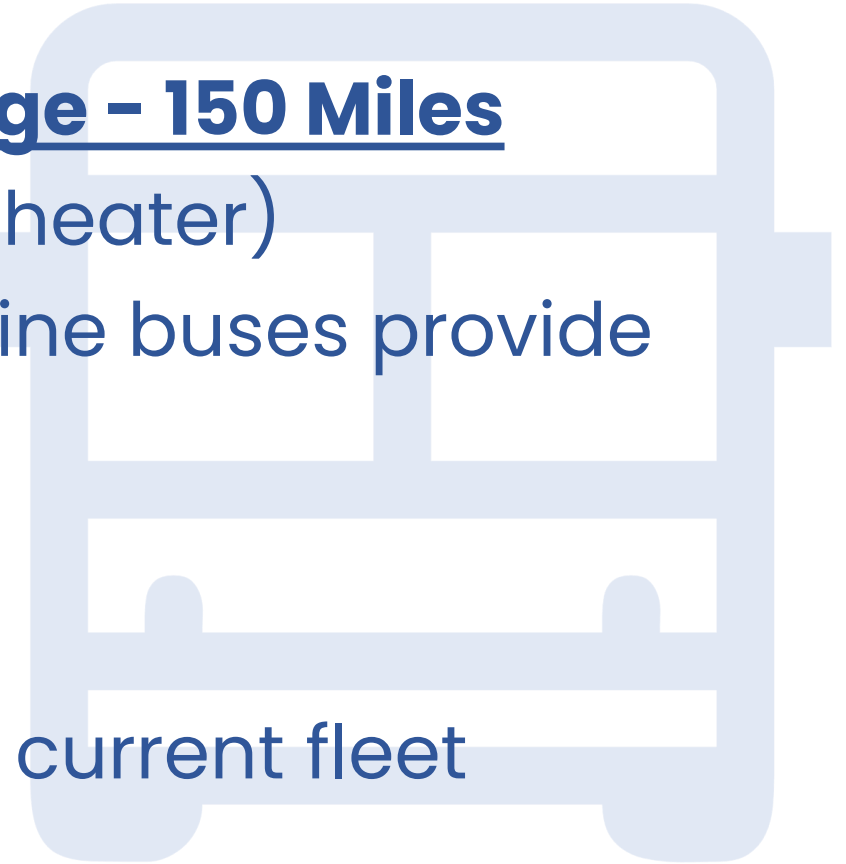
- Performance data
 - Energy used, miles driven, regeneration
- Dashboard and diagnostic codes
 - Dashboard information provided to driver
 - Diagnostic and fault codes (Preemptive)



Route and Operational Readiness



- **Manufacturer Estimated Range – 150 Miles**
 - Traffic, weather (AC and heater)
 - Internal combustion engine buses provide 250–300 miles daily
- **Current Bus Yard Capacity**
 - Yard capacity limited to current fleet



Major Milestones & Challenges

- **Milestone**

- LAUSD total school bus fleet is 1,300
 - 70% is Alternative fuels
 - 19% is zero-emission

- **Challenge**

- As more ESB's cover routes, range is limited

Fuel	Counts	% of Fleet	Avg. Age in Years
Electric	249	19%	2
CNG	408	31%	12
Propane	243	19%	11
Gas	279	22%	9
Diesel	121	9%	30
Total	1,300		



Long-Term Strategy & Timeline

1. Pace of Transition

- Balancing opportunity alongside resource availability

2. Prioritizing Charging Networks

- Continued collaboration with Eco-Sustainability and Facilities

3. Discover and Advocate for Grant Opportunities

- \$200M+ of incentives being operationalized

4. Building Flexibility in Fleet Size and Operation



Questions?