

CHARGER SELECTION

California Electric School Bus Working Group

April 5, 2023 | 11:00 a.m. PT





April 5, 2023

WORKING GROUP AGENDA

- 1. Intro to the Electric School Bus Network
- 2. Selecting a Charger for Your ESB
- 3. Guest Speaker Introductions
- 4. Q+A with Panelists
- 5. Summary +Closing





MEET THE TEAM



Michelle Hanson Program Manager



Chrystal AlesProject Manager



Tesi BravoLead Project Manager



Katelyn Tomaszewski Project Manager



Juan EspinozaProject Manager

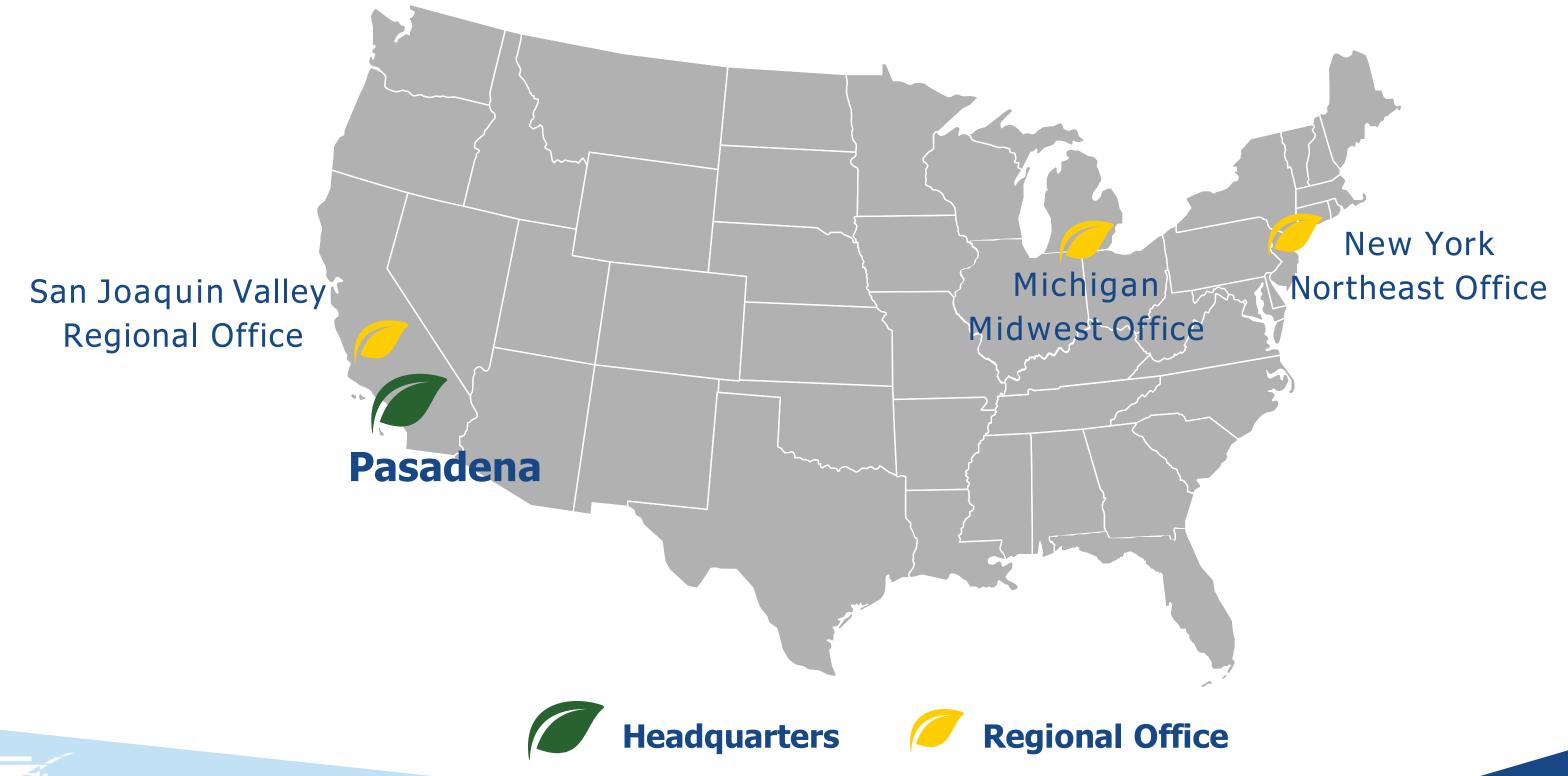


Liza WalshAssociate Project Manager





GLOBAL ORGANIZATION TRANSFORMING TRANSPORTATION FOR GOOD









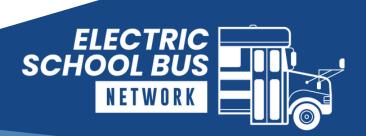
ELECTRIC SCHOOL BUS NETWORK

The Electric School Bus Network accelerates nationwide school bus fleet electrification through peer-to-peer networking and dialogue-driven working group meetings for school districts, advocacy and government organizations, and industry representatives. The ESB Network provides access to educational tools, resources, and subject matter experts to help support the electric school bus fleet transition.

In Partnership with:





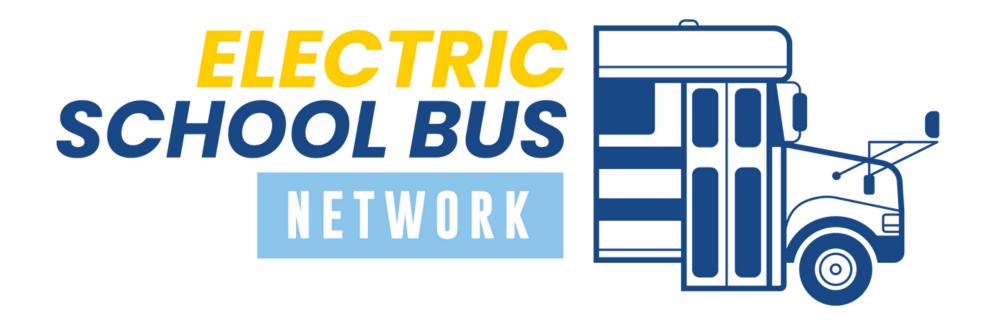


ELECTRIC SCHOOL BUS WORKING GROUPS

- Working Groups are not webinars!
- They are ongoing, not static
- Panels with industry subject matter experts
- Goal: Ease the transition of the U.S. school bus fleet to electric
 - Facilitate conversations
 - Provide up-to-date information
 - Independent/Third Party Partner







WORKING GROUP TOPIC:

Selecting a Charger for Your ESB

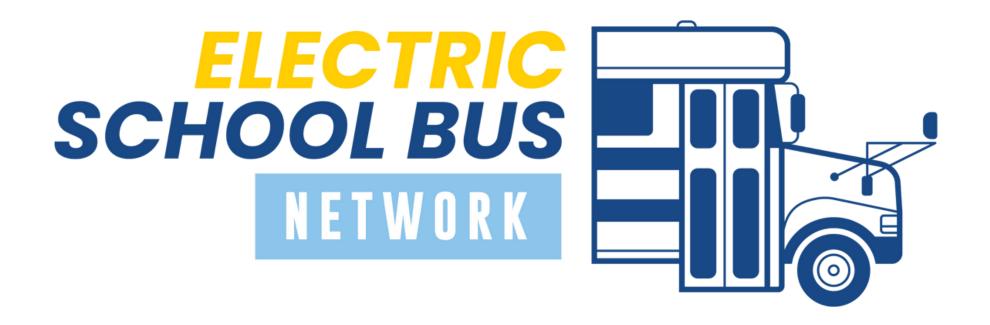
Tesi Bravo

Lead Project Manager

CALSTART







CHARGER SELECTION PANEL

Tim O'Neill

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Elizabeth Hughes

Mobility House elizabeth.hughes@mobilityhouse.com

Jason Groves

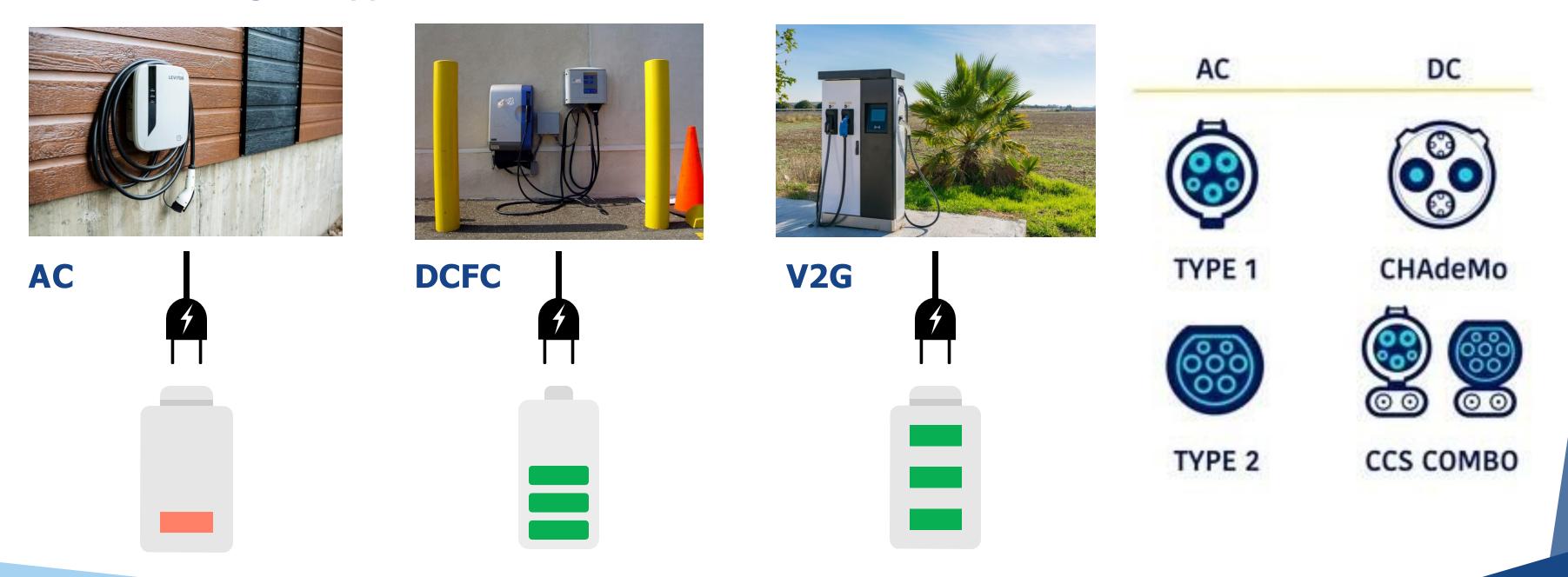
Southern
California Edison
jason.groves@sce.com





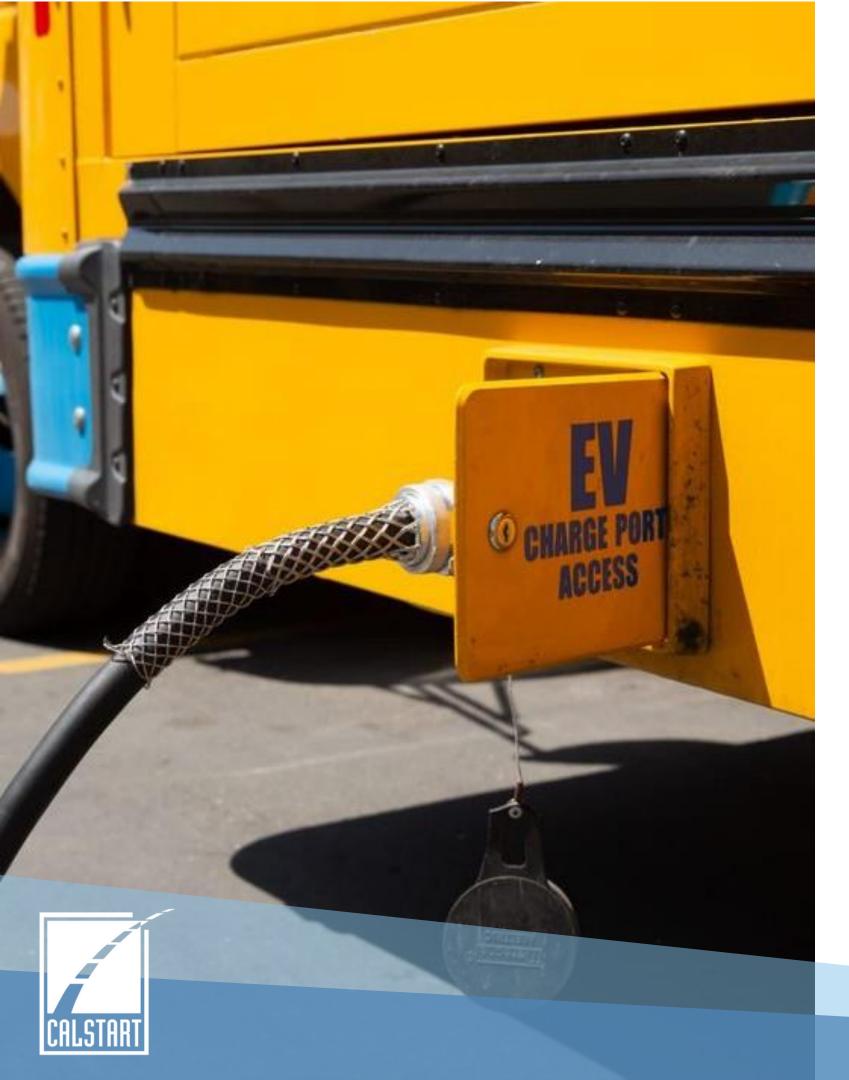
SETTING THE PROJECT UP FOR SUCCESS

Charger Types, Size, and Connector Cables









CHARGER ACCESSORIES

- Cable management
- Mounting Systems
- Software
- Signage
- Security
- Communications Hardware
- Maintenance
- Networking
- Demand and management software
- Fleet management software



WHAT IS NEEDED FOR PRE-PLANNING?

Project Demand

Charger Size (Output Rating kW)

Quantity of Chargers

Service Size & Voltage (if possible)

Specifications	Terra 54	Terra 54 HV
Electrical		
Max output power	50 kW continuous	

Station Electrical Output

Max Output Power	62.5 kW

WHAT IS PROJECT DEMAND?

Project Demand = Charger Size x # of Chargers

50kW Charger

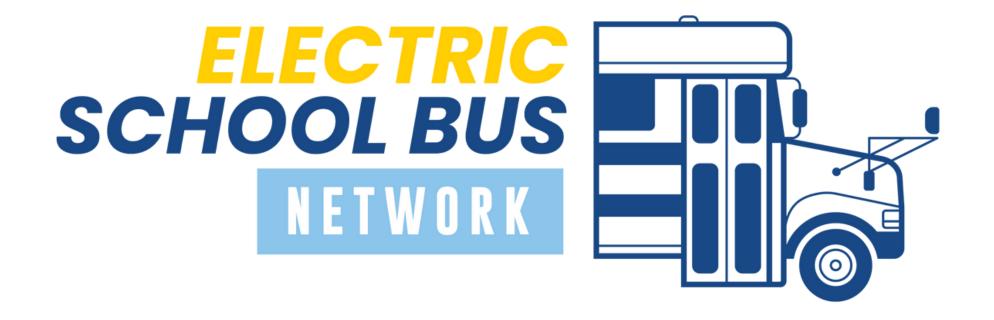




Project Demand:
50kW Charger x 6 chargers =
300kW







The End Selecting a Charger for Your ESB

Tesi Bravo



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GUEST SPEAKER Q+A

Please raise your hand or type your questions for our panelists in the chat!





CLOSING

Follow-Up Email on 4/7 **Recording of meeting FOLLOW UP Copy of slides Links to resources shared NEXT** Wednesday, May 3 - 1:00 p.m. PT **MEETING QUESTIONS** Email SchoolBusTeam@calstart.org



