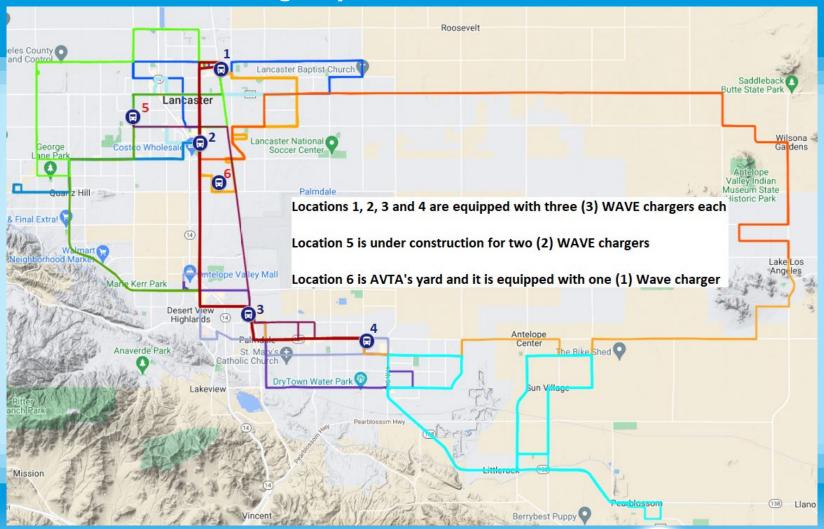
CERV Conference

AVTA'S IMPLEMENTATION OF WIRELESS CHARGING February 6th, 2023



As of January 2022, AVTA is the first all-electric transit agency in North America





Antelope Valley Transit Authority

WIRELESS IMPLEMENTATION



- Not a 1 to 1 conversion at the beginning (Diesel to BEB)
- Process to recharge is seamless to bus operators
- Recharge happens during layover time minimizing impact to passengers
- 10 minutes on charger extend the range about 10-13 miles





Bus 40866 Vehicle: AVTA-40866 Status: Active SoC: 62.0% **Antelope Valley Transit Authority** End Date (Inclusive) Start Date* 02/02/2023 02/03/2023 Submit More days = slower loading. Maximum 7 days starting with and including Start Date. Current SOC: 62% SoC kW wireless charge kW battery kW limit kWh in kWh out - kWh Used - Wireless kWh Charges Soc (%) 400 200 56% SOC when bus returned to depot at 11:08 pm THE PROPERTY OF THE PROPERTY O (Reached 100% at 2:11 am) -200 200 K∾⊓ 150 100 Hide Charge Data Successful (>1 min): 26 Duration (mm:ss) Paired Device Graph link 09:07 AVTA-ML-3 Zoom I Focus 10:23 AVTA-PTC-1 Zoom I Focus 09:35 AVTA-ML-3 Zoom I Focus 10:23 AVTA-PTC-1 Zoom | Focus kwh In 04:28 AVTA-ML-3 Zoom | Focus 10:23 AVTA-ML-3 Zoom I Focus 02/03 06:00:20 am 09:10 AVTA-PTC-1 Zoom | Focus 02/02 10:00:40 pm 10:23 AVTA-ML-2 Zoom | Focus 02/02 09:49:23 pm 10:23 AVTA-ML-2 Zoom | Focus 02/02 07:52:17 pm 10:24 AVTA-ML-2 Zoom | Focus 02/02 06:51:31 pm 10:10 AVTA-PTC-2 Zoom | Focus 02/02 06:40:45 pm 10:10 AVTA-PTC-2 Zoom I Focus 02/02 05:30:23 pm 03:40 AVTA-ML-3 Zoom | Focus 02/02 04:20:41 pm 10:23 AVTA-PTC-1 Zoom I Focus

Show Events Data

LESSONS LEARNED AND WHAT'S NEXT?

