

# 2024 NGECC Annual Meeting Caltrans Charger Locomotive Procurement Updates

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The NGECC will provide national leadership  
in standardization, acquisition, and  
management of passenger rail equipment.

# Caltrans Charger Locomotives

## Post Delivery Status

Caltrans Charger Locomotive No. 2108 pulls a test train of four new Venture Railcars on the San Joaquin Corridor in 2021.



# Caltrans Charger Locomotive Status

## Base and Option Order

- 22 Multi-State Caltrans Chargers (6 Base Order and 16 Option Order) are delivered and in operation
- Warranty has expired on all locomotives
- Amtrak is maintaining the Chargers with technical support from Siemens
- Initial overhaul tasks are in process



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# Caltrans Charger Locomotive Status

## Lease to Purchase Locomotives

- Caltrans and Siemens developed innovative lease-to-purchase process for two additional Chargers in 2021
  - Funding from Bay Area Air Quality Management District
- Both leased Chargers were accepted in 2021 and are in operation on the Capitol Corridor
- Warranty period expired in 2023



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# Caltrans Charger Locomotive Status

## MUST Contract Closeout

- Caltrans and WSDOT have come to an agreement regarding how to closeout the MUST contract with Siemens
- A closeout agreement was signed between Caltrans and Siemens in September 2022 stating the conditions for resolving open items and releasing performance bonds



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# Caltrans Charger Locomotive Status

## Ongoing Maintenance

- Currently pursuing a TSSSA contract for technical services, support, and spare parts over a longer contract term
- Procurement to be led by San Joaquin Joint Power Authority on behalf of all three California JPAs
- Current technical supports needs being met by an interim support contract with Siemens



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# Project Challenges

- Supply Chain
  - COVID pandemic had long-lasting negative effect on component availability and delivery logistics
- Prime mover failures
  - Three (3) catastrophic Cummins QSK-95 piston ring engine failures to date
  - Hitzinger alternator failures also under investigation



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# Next Steps

- Continue overhaul programs
- Upgrade Wi-Tronix to newer Violet system
- Continue working with Amtrak on next iteration of I-ETMS upgrade
- Monitor vehicle performance & reliability in revenue service
- Complete procurement of TSSSA or similar services



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