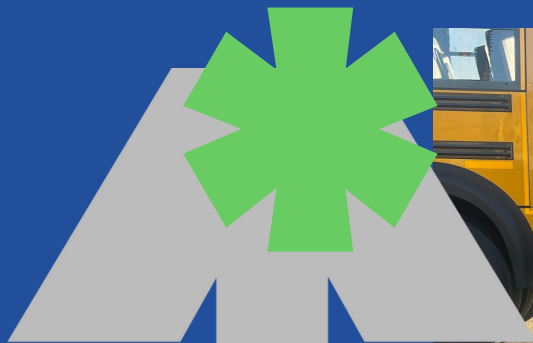
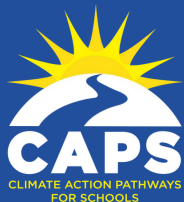


# CAPS

March 17th, 2026

1:00 - 1:30pm



# Agenda

- 1 **District Overview**

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- 2 **Battery Electric Bus Overview**

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- 3 **Benefits**

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- 4 **Gas & Diesel Bus Comparison**

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# Twin Rivers Unified School District

**Green Mission: To reduce unhealthy pollution in our environment by reducing needless vehicle emissions and provide safe state-of-the-art vehicles for our children.**



## **Accomplishments:**

- First in nation
- 78 EV buses
- 7 EVs from CARB CMIS grant
- Charging infrastructure & renewable energy projects

# Battery Electric Buses



- **Powered by electricity**
- **Quieter , cleaner, cheaper**
- **Zero emissions**

# Buses & Human Health

- Diesel exhaust is a known carcinogen
- Diesel & Gas linked to serious health issues
- BEB's are
  - reducing air pollution
  - promoting public health
  - quieter

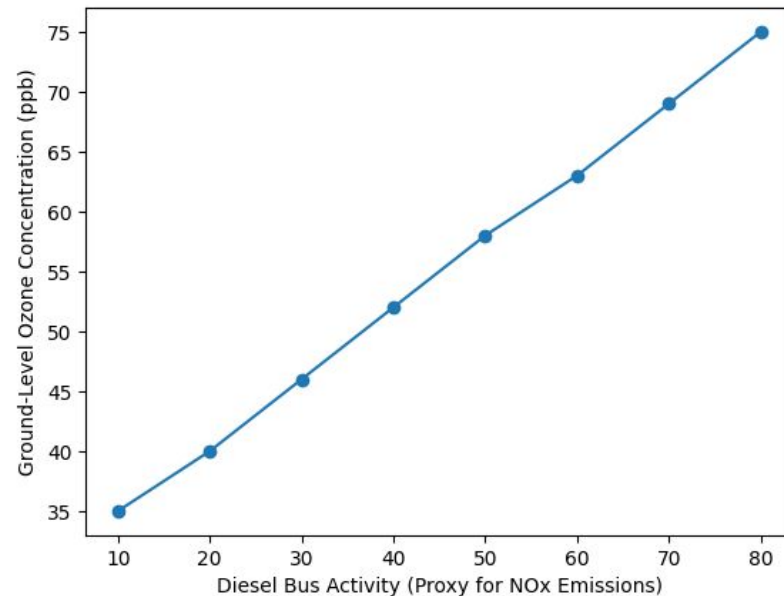




# Buses & Environmental Health

- BEB's reduce air pollution
- Limit smog
- Hotter summers worsen smog
- Improves crop growth and agricultural yield

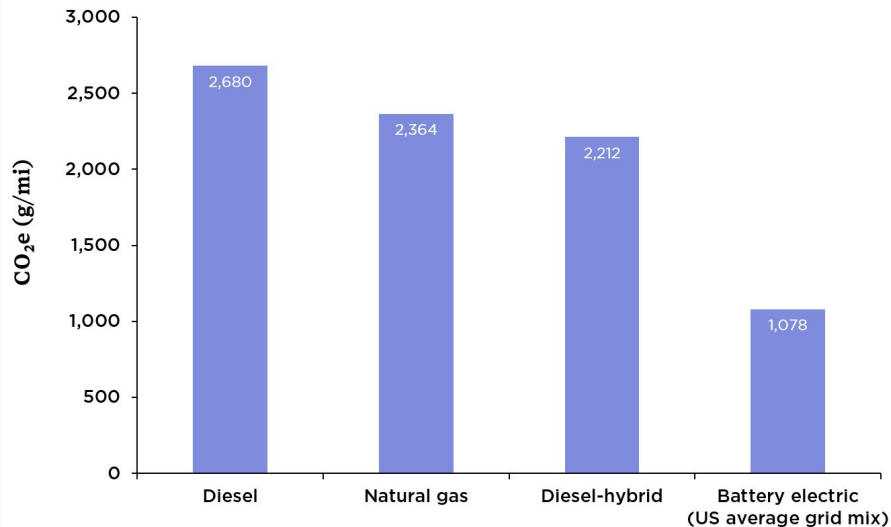
Association Between Diesel Bus Emissions and Ground-Level Ozone Formation



# Buses & Environmental Health

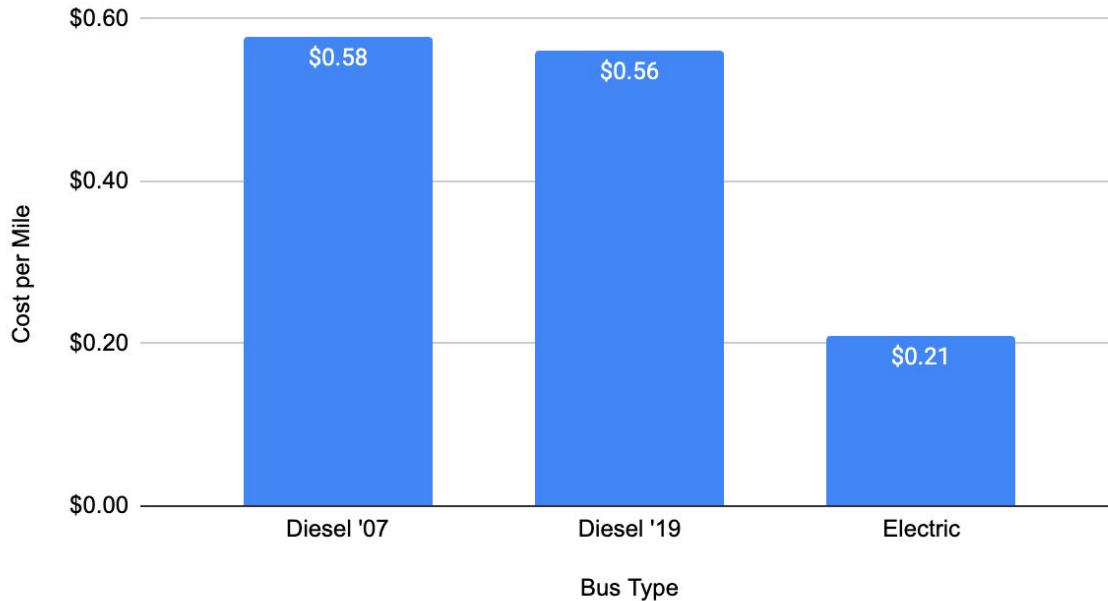
- BEB's produce less than half the GHG emissions of diesel buses
- Slows the risks of climate change over time
  - Heat waves
  - Droughts
  - Wildfires

Life cycle global warming emissions from different types of transit buses



# Cost & Savings Estimate- Per Mile Cost

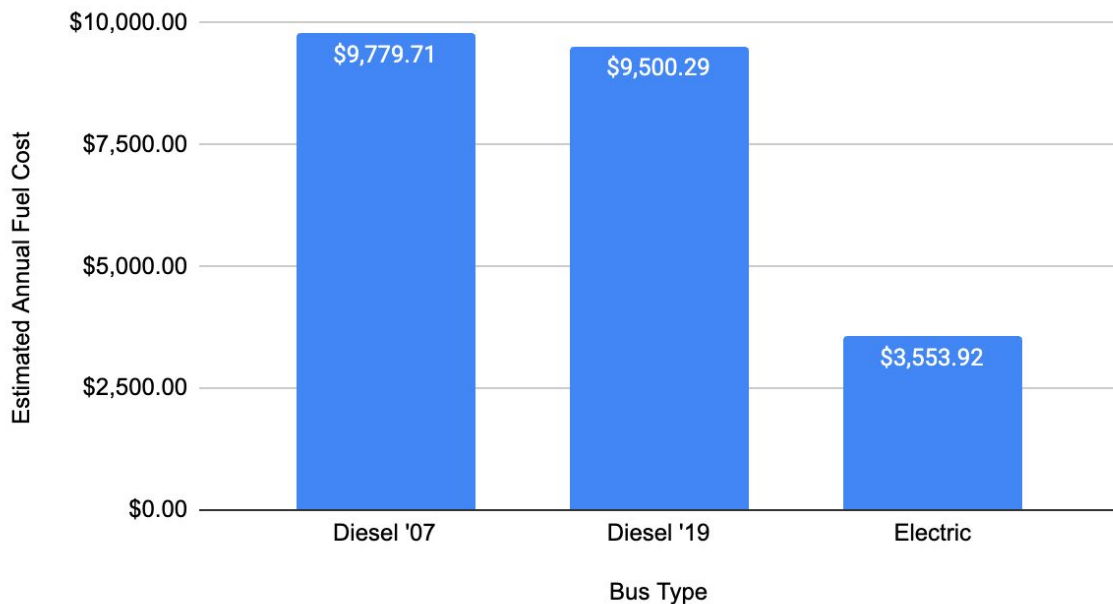
Cost per Mile by Bus Type



**Battery electric buses are less than half the cost per mile!**

# Cost & Savings Estimate- Annual Costs

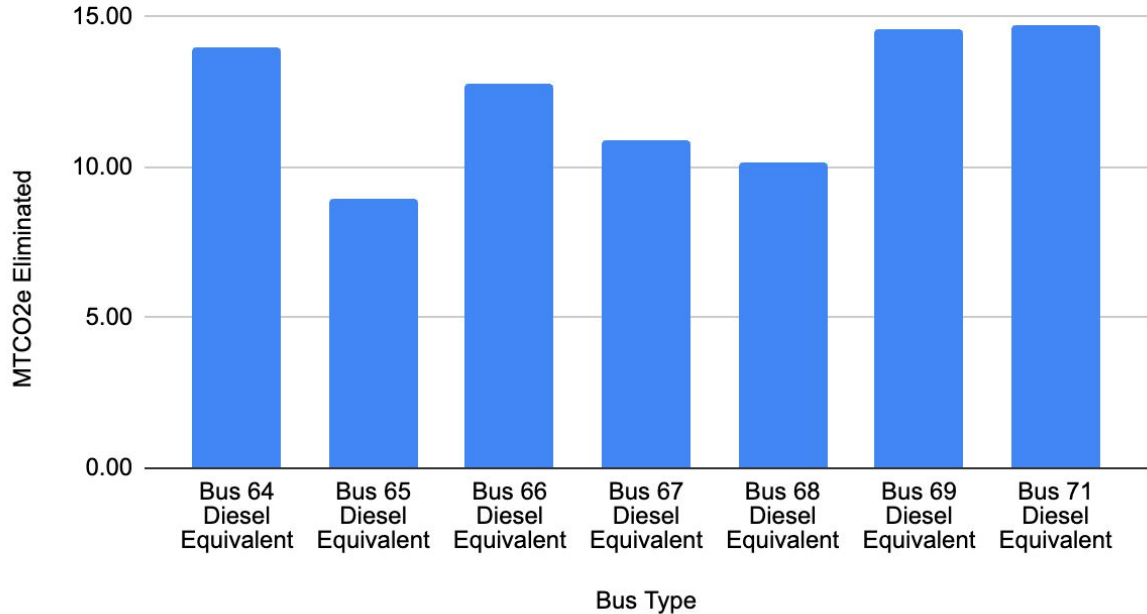
Estimated Annual Fuel Costs



- About **\$6,000** in fuel savings per bus per year
- **\$42,603** total annual estimated savings

# Greenhouse Gas Emissions Comparison

MTCO<sub>2</sub>e Eliminated per Bus



- **12 MTCO<sub>2</sub>e emitted on average per diesel bus**
- **86 MTCO<sub>2</sub>e total eliminated per year**

# Summary



## Battery Electric Buses

- Reduce air pollution
- Eliminate greenhouse gas emissions
- Increase educational savings