

School Bus Electrification



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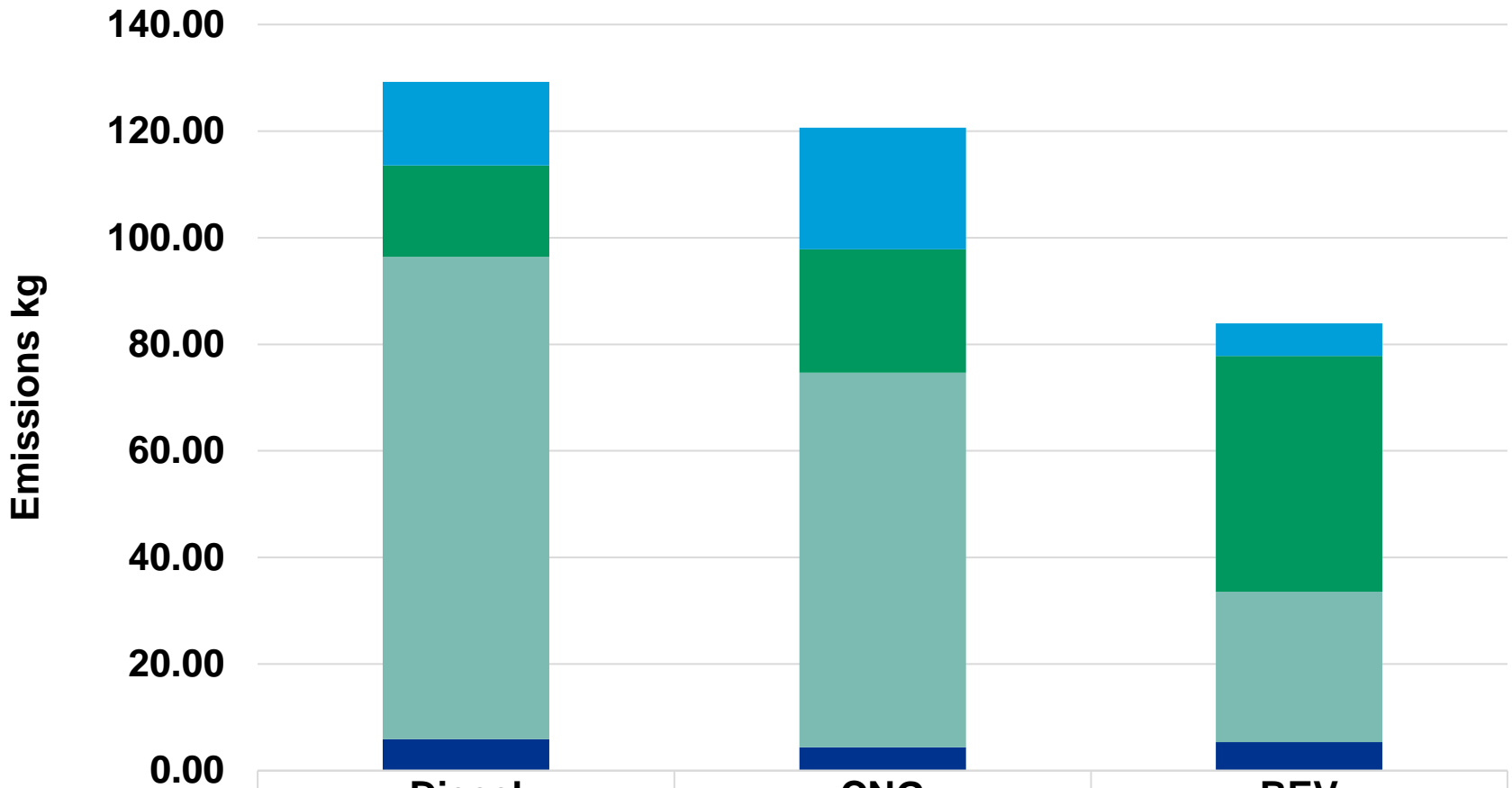
Emissions Model

DOE Argonne National Laboratory GREET Model
(Greenhouse Gases, Regulated Emissions, and
Energy Use in Transportation)

Assumptions

- Bus purchased new this year
- Using ERCOT electricity generation mix
- Global warming potential = 100 years
- Annual vehicle miles travelled = 48,237

Key Health-Related Emissions



■ VOC: Total

Diesel

■ SOx: Total

CNG

■ NOx: Total

BEV

■ PM: Total

15.67

22.83

6.11

17.13

23.11

44.24

90.53

70.32

28.22

5.91

4.38

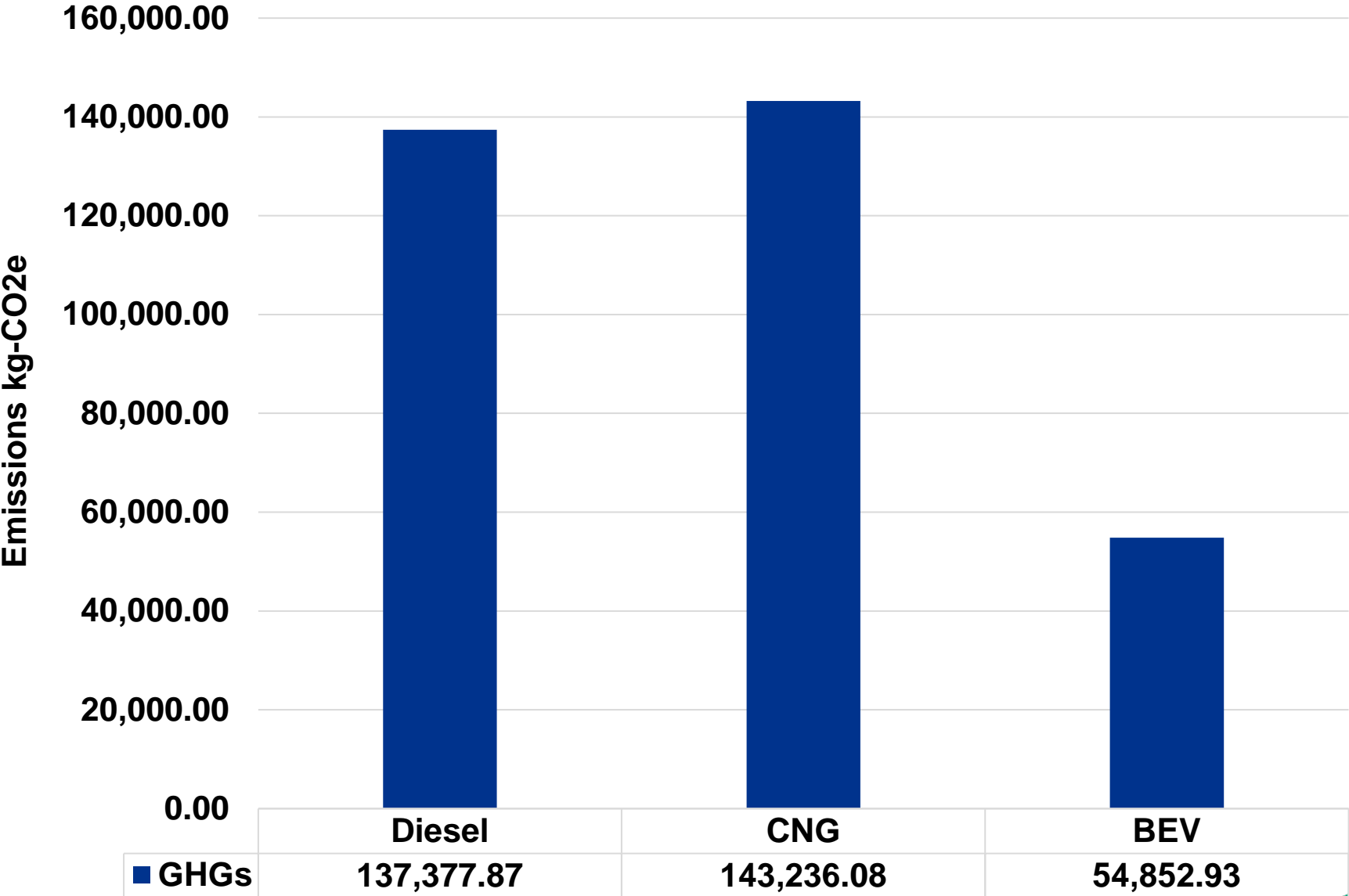
5.36

Emissions in Texas

- Majority of GHG emissions in TX from transportation sector



Greenhouse Gas Emissions



Natural gas emissions occur all along the supply chain





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