

North Carolina Transit Emissions Fact Sheet

Policies and Reports

- ▶ **Executive Order 80** (2018): goal to reduce GHGs at least **40%** below 2005 levels by 2025
- ▶ **Executive Order 246** (2022): expanded goal to reduce GHGs to at least **50%** below 2005 levels by 2030 and achieve **net-zero emissions by 2050**
- ▶ Current policy, trends and incentives put NC on track to reduce GHGs by **37%** by 2025, **46%** by 2030, and **60%** by 2050 - **failing to meet the goals of the Executive Orders**
- ▶ Several reports have been produced in the last few years to explore the current state of emissions in NC and develop toolkits for the decarbonization pathways, including: **NC Deep Decarbonization Pathways Analysis, NC Clean Transportation Plan (NCCTP), NCDOT Vehicle Miles Traveled Reduction Study & Toolkit**

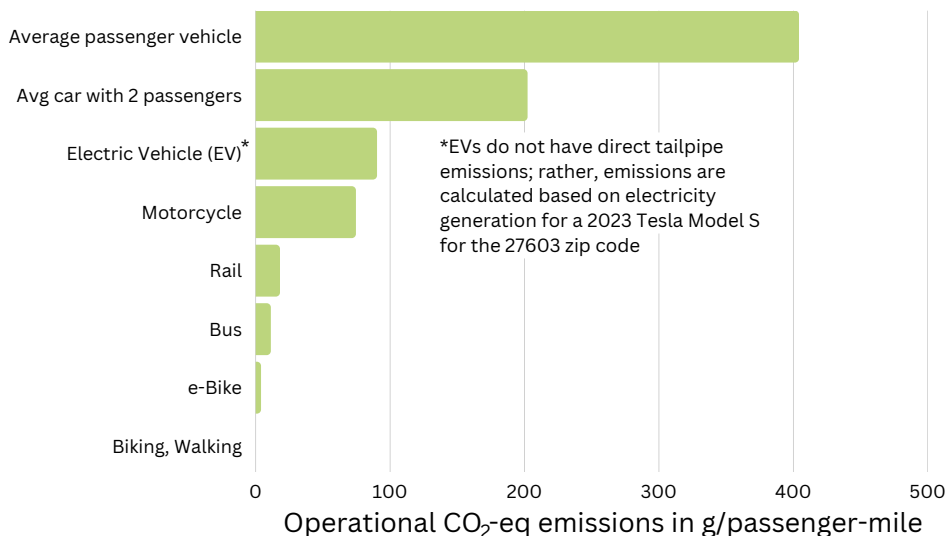
Status of transit in NC

Between 2003-2019, annual vehicle miles traveled (VMT) in the US grew by 13% from 2.89 to 3.26 trillion; in the same period **VMT in North Carolina increased 31%** from 93.7-123.1 billion



Graphic from North Carolina Clean Transportation Plan

Emissions comparisons of different modes of travel



36% of emissions in NC are from the transportation sector



72% of transportation GHG emissions are from light-duty gas vehicles (passenger cars)

Source: NC Department of Environmental Quality

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Image: GoRaleigh BRT website

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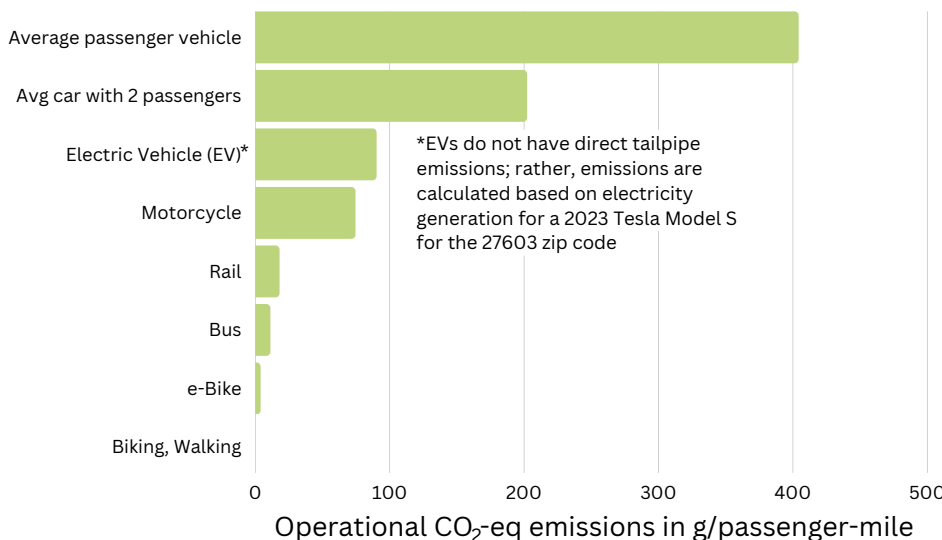
How do we travel in NC?

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Source: Institute for Sensible Transport & US Department of Energy