



Walla Walla Valley
Metropolitan Planning Organization/
Sub-Regional Transportation Planning Organization

DATE: March 12, 2024
TO: Technical Advisory Committee
FROM: Mansee Chauhan, Transportation Planner
SUBJECT: Transportation Greenhouse Gas Performance Measure

INFORMATION:

The Federal Highway Administration FHWA's regulations govern the national performance management measures and establish a methodology for measuring and reporting greenhouse gas (GHG) emissions associated with transportation (GHG measure). This rule added transportation related GHG reduction as a new National Highway System (NHS) performance measure. This entails requiring State Departments of Transportation (State DOT) and Metropolitan Planning Organizations (MPO) to establish declining carbon dioxide (CO₂) targets for the GHG measure and report on progress toward achieving those targets. Notably, the rule does not prescribe specific target levels; rather, it grants State DOTs and MPOs the flexibility to set targets suitable for their communities and aligned with their respective climate change and policy priorities, provided these targets aim to reduce emissions over time. The FHWA will evaluate whether State DOTs have made significant progress toward reaching their targets.

GHG Performance Targets under the rules:

State DOTs

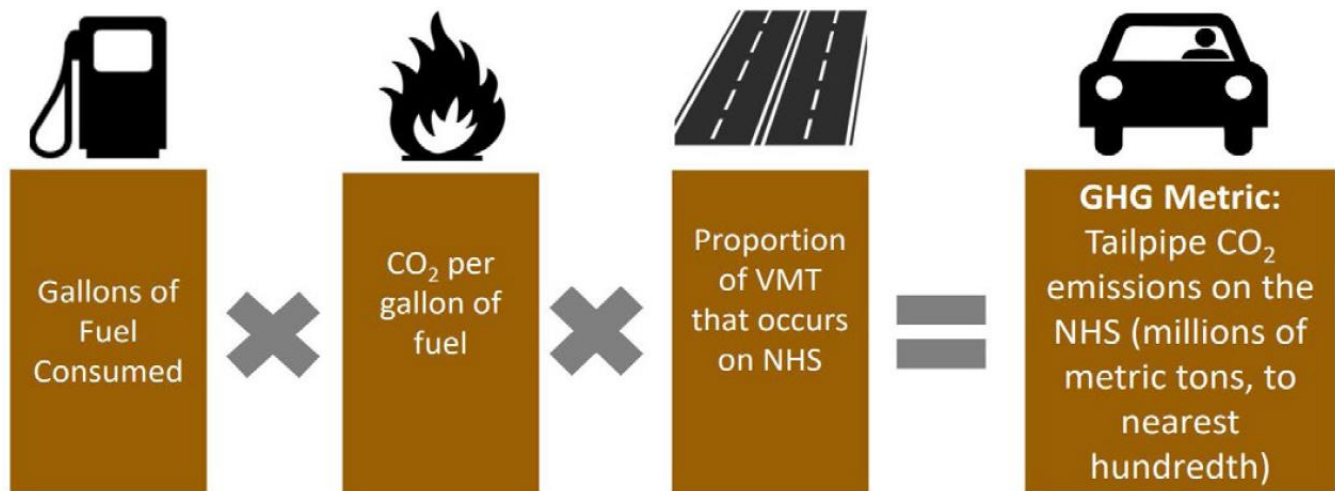
- Establish declining 2-year and 4-year statewide (2 yr. target exempt 1st period).

MPOs

- Establish declining 4-year target for the metropolitan planning area.
- Option to commit to support the State DOT or establish unique quantifiable target.
- Have up to 180 days from when the State DOT established their targets.

MPOs in Urbanized Areas with Multiple MPOs.

- Establish an additional joint declining 4-year target for the urbanized area.
- Must be a single quantifiable target.



$$\left(\frac{\text{Tailpipe CO}_2 \text{ Emissions on NHS}_{\text{analysis year}} - \text{Tailpipe CO}_2 \text{ Emissions on NHS}_{\text{CY 2022}}}{\text{Tailpipe CO}_2 \text{ Emissions on NHS}_{\text{CY 2022}}} \right) \times 100 =$$

**Percentage change in tailpipe CO₂ emissions
on the NHS compared to CY2022**

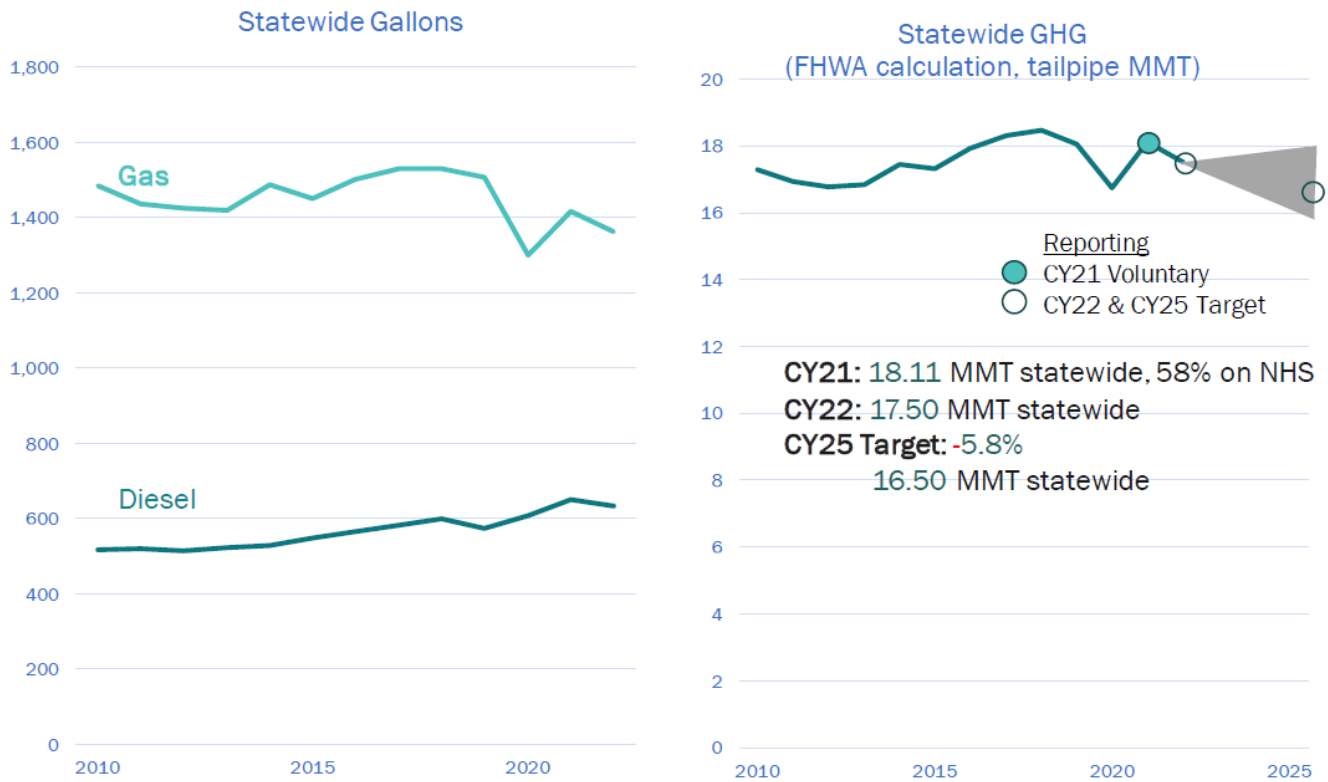
Data requirement to determine the GHG metric for biennial reporting include:

1. Annual total gallons of fuel consumed by fuel type (gasoline and diesel, and special fuels) based on fuel sales data for the calendar year. This data is available through [Fuels and Financial Analysis System Highways \(Fuels & FASH\)](#).
2. CO₂ emissions factors per volume of fuel. These emission factors are supplied by FHWA and posted on the [administration's website](#) by August 15 of each reporting year.
3. VMT estimates are from best available data that represent the calendar year and are consistent—to the maximum extent practicable—with data submitted to HPMS. The reference year will use 2022 HPMS data, which was released November 30, 2023.

ACTION REQUESTED:

Recommend that the Policy Board support ODOT and WSDOT Transportation GHG Performance targets for 2025 as presented.

ODOT CY25 GHG Target



WSDOT CY25 GHG Target

Target trendline

2022-2025 target: -19.8%

