



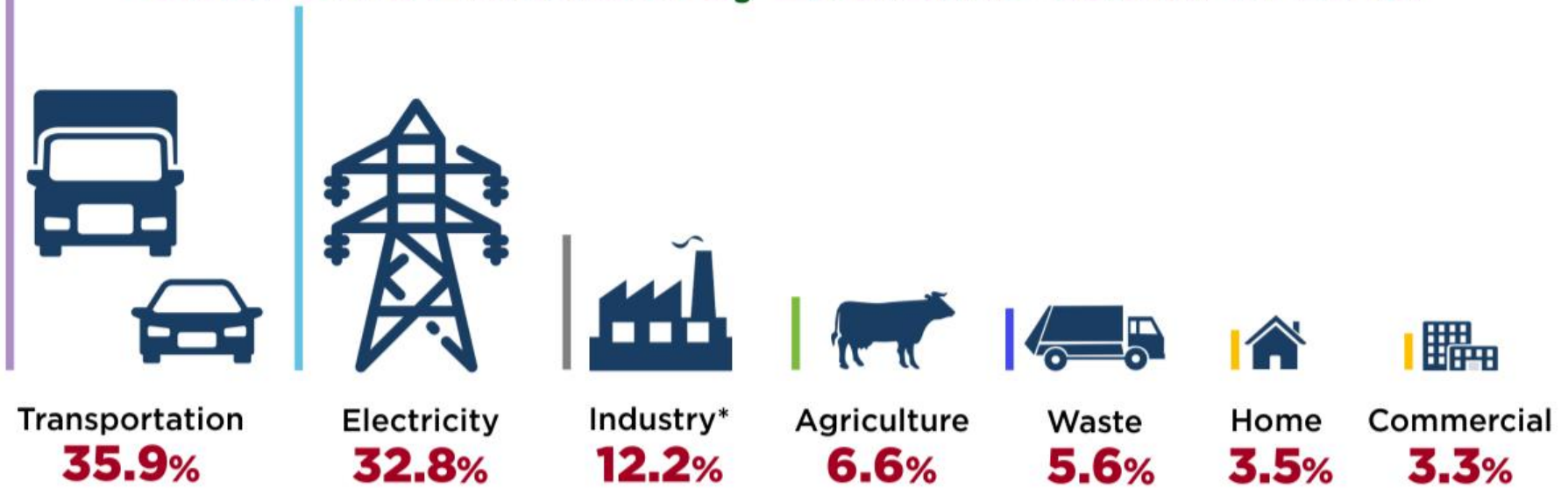
NORTH CAROLINA
Department of Transportation



NC Clean Transportation Plan

Energy Policy Council
February 16, 2022

Gross GHG Emissions by Economic Sector in 2018



2018 Gross GHG Emissions

159.5 million metric tons of CO₂e

CO₂ emissions from fossil fuel combustion:

81.3%

of total gross emissions

CO₂ emissions removed by forests & other lands:

26.4%

of total gross emissions

2005 - 2018 Change in Gross GHG Emissions

- ▼ **34.7%** — Electric Generation
- ▼ **16.5%** — Residential
- ▼ **3.5%** — Transportation
- ▲ **1.7%** — Industry*
- ▲ **3.3%** — Commercial

Statewide Net GHG Reductions (2005-2018)

↓ **23.0%**

Executive Orders 80 and 246

EO 80 (2018)

Reduce economy wide emissions by 40% below 2005 levels by 2025

Increase total number of registered ZEVs to at least 80,000 by 2025

Reduce energy consumption in state-owned buildings by 40% below 2002-2003 levels

EO 246 (2022)

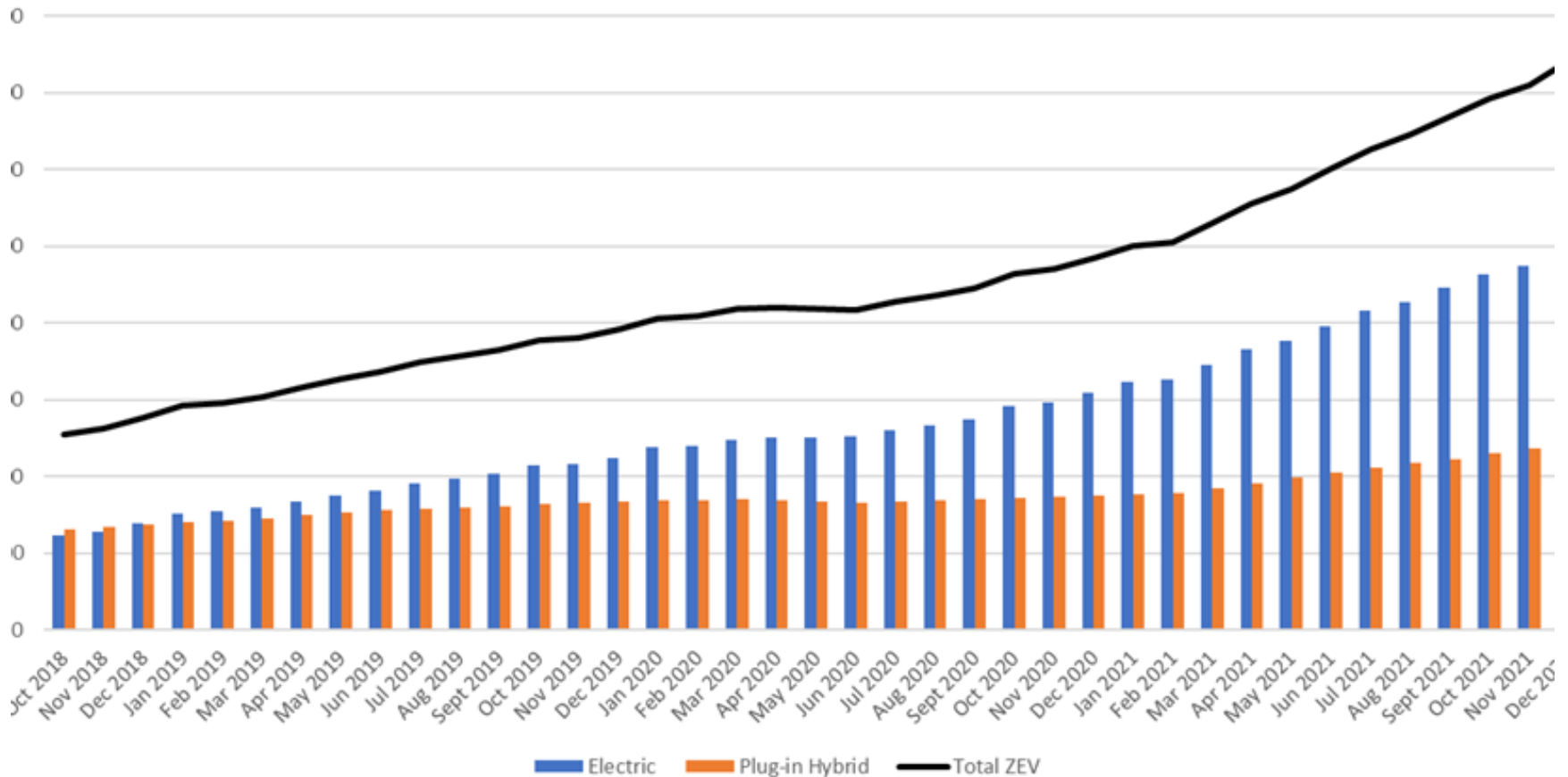
Reduce economy wide emissions by **50%** below 2005 levels by **2030**

Increase total number of registered ZEVs to at least **1.25 million by 2030**

Increase the sale of ZEV so that **50% of in-state sales** are zero emission by 2030

NC ZEV Registrations

Active Vehicle Registrations of ZEVs



NC Clean Transportation Plan

1. Availability, sales, and usage of zero-emission vehicles to levels beyond current market projections, including a focus on Medium- and Heavy-Duty ZEVs;
2. Reductions in vehicle miles traveled;
3. Investment in clean transportation infrastructure;
4. Equitable access to clean mobility options;
5. Increased availability of non-vehicle transportation modes;
6. A transition to zero- and low-emission fuels; and
7. Other relevant topics.

NCCTP Objectives

- Share **best-practices** and **increase awareness** of the current landscape of clean transportation initiatives in North Carolina;
- Assess the **opportunities, challenges, and considerations** with creating a more equitable clean transportation system in the state, with a specific focus on the potential impacts on **underserved populations** and communities;
- Develop **actionable strategies**, with an emphasis on near-term action, that will support achievement of the goals in E.O. 246 and any other goals developed as part of NCCTP process.
- Develop **accountability metrics** to track progress for priorities such as ZEV registrations, ZEV sales, environmental justice, and workforce development.

NCCTP Stakeholder Groups



NCCTP Workgroups

ZEV Plan 2.0

- Focus on light duty vehicle transition
- Vehicle availability and consumer education
- Incentives and affordable financing options

M/HD ZEV Action Plan

- Builds off the multistate M/HD MOU
- Environmental Justice outreach to impacted communities
- Includes low-carbon fuels

Fleet Transition Plan

- Public entities (state and local fleets)
- Private entities
- School buses

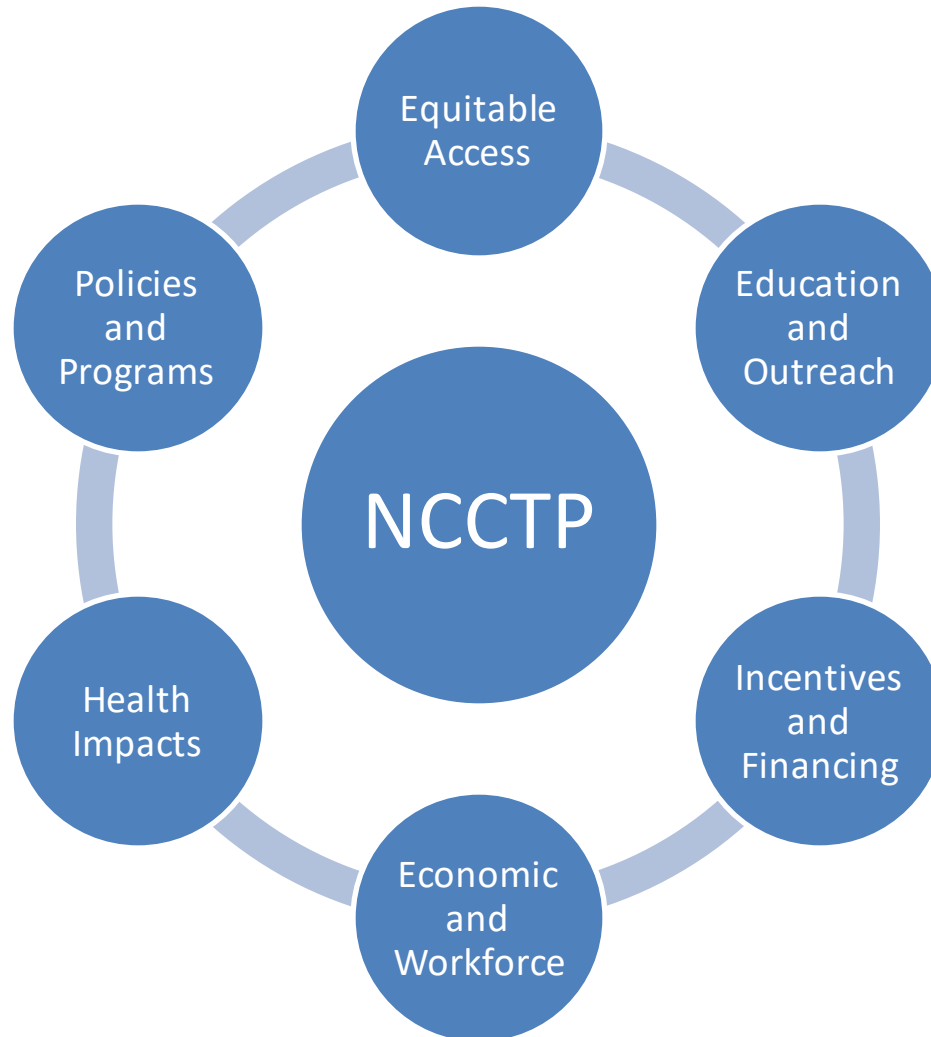
VMT Task Force

- Builds off existing VMT Task Force
- Includes transit, bike-ped, passenger rail and other non-vehicle transportation modes

Clean Transportation Infrastructure

- EV Charging Infrastructure
- Alternative fuels infrastructure
- Includes mapping, siting and identification of gaps

Cross-cutting Themes



NCCTP Timeline



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