ZEV Plan – State of the State

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Executive Order No. 80

North Carolina’s Commitment to Address Climate Change and Transition to Clean Energy
Executive Order No. 80

– Issued October 2018

– Focuses on climate and clean energy

– Set goals for reducing emissions, increasing zero-emission vehicles (ZEVs), reducing energy consumption in state-owned buildings by 2025
North Carolina ZEV Plan

NCDOT Tasked with Developing Strategic Plan to Achieve the Following:

1. Establish interstate and intrastate ZEV (Zero Emission Vehicles) corridors
2. Increase the installation of ZEV infrastructure, such as charging stations
3. Launch educational campaigns about the benefits of ZEVs and dispelling myths about them
ZEV Registration Goal

• **Goal**: to have 80,000 ZEVs registered by 2025

• As of August 2020
  – 13,312 Electric
  – 8,432 Plug-in Hybrid
  – 21,744

The End Goal is to show that clean energy, and low and zero emission transportation is economically viable and is a critical part of preserving the high quality of life in North Carolina
Progress to date

• Reduced energy consumption by 33%, water consumption by 52% since 2002-03 baseline

• Started identifying the most suitable locations statewide for ZEV charging stations

• Conducted statewide outreach to stakeholders through public meetings
Progress ongoing

• Pursuit of ZEVs
  – Coordinated with Department of Administration to identify fleet vehicles that can be converted to ZEV
  – Division of Aviation encouraging airports to transition to electric vehicles and equipment at airports
  – Integrated Mobility Division is helping facilitate moving toward all electric fleets in Asheville, Greensboro, Go Triangle and Chapel Hill
  – Working to develop appropriate signage for ZEV corridors
House Bill 329

• Passed last year, House Bill 329 exempts electric vehicle charging stations from regulation as a public utility
Challenges

• COVID-19 has delayed many
  – 2020 was to be focused on educational outreaches through ride-and-drive events and conferences
  – Century Center’s (NCDOT facility) fleet conversion to ZEVs delayed
Opportunities

Electric Vehicles are leading the way to CAV and North Carolina already has legislation enabling these vehicles.

What are the Synergies of Electric Connected Autonomous Vehicles?
Opportunities

Reduces cost of transportation — Transportation cost affects the cost of EVERYTHING.

Expands service to underserved — Allows everyone to continue participate in the world.

Saves Lives — Reduced motor vehicle crashes, injuries and fatalities.

Improved Quality of Life — Reduces emissions and pollution, reduces loss of loved ones, reduces human impact on climate
Opportunities

Those who want to talk about the job disruption that these technologies will bring?

North Carolina has gone through job disruptions in the past and continues to be one of the fastest growing states, producing new jobs and opportunities. (Textiles, Furniture, Tobacco)
Questions?