



October 17, 2023

NASEO Annual Meeting

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NC Clean Energy Executive Orders

Executive Order 80 (October 2018) – NC’s Commitment to Address Climate Change and Transition to a Clean Energy Economy (by 2025)

- Reduce GHG emissions to 40% below 2005 levels.
- Increase # of registered ZEVs to 80,000.
- Reduce energy consumption in State buildings by 40% from FY 2002-03 levels.

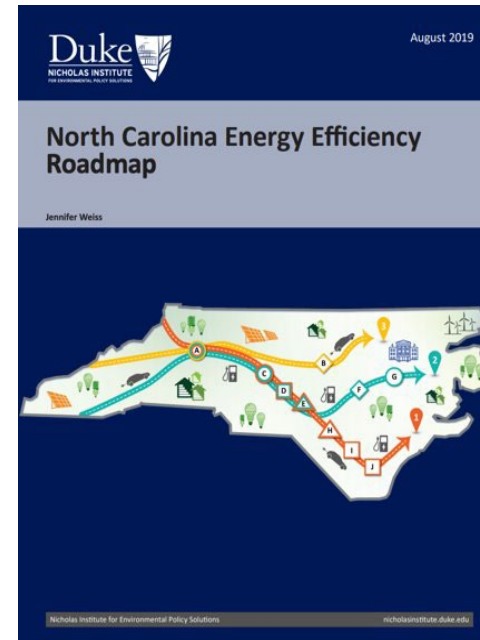
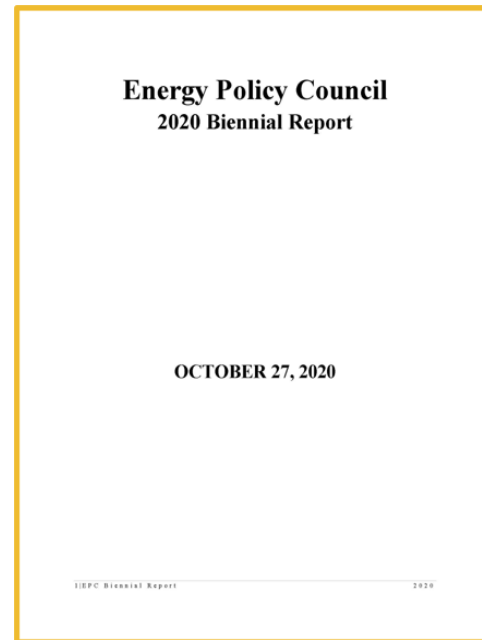
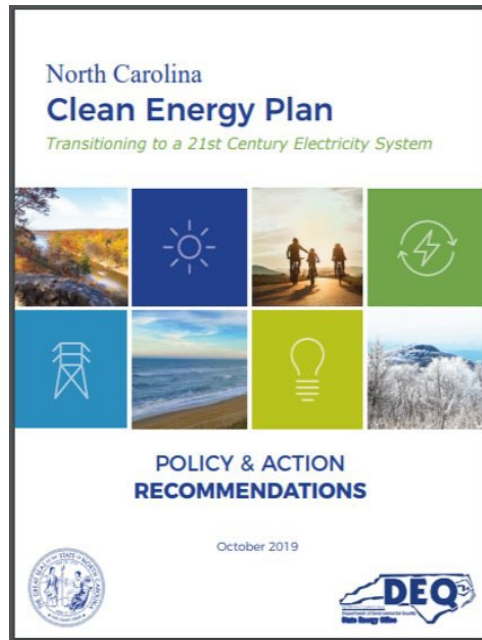
Executive Order 246 (January 2022) – NC’s Transformation to a Clean, Equitable Economy

- Reduce GHG Emissions to 50% below 2005 levels by 2030 and net-zero emissions by 2050.
- Increase # of registered ZEVs to 1,250,000 by 2030 and increase sales of ZEVs in NC to 50% of all new vehicles sales by 2030.



Clean Energy & Energy Efficiency Recommendations

- Executive Order 80 spurred the development of the NC Clean Energy Plan (CEP) and other energy and climate-related documents.
 - CEP recommendation J-2: Launch an EE apprenticeship program within Apprenticeship NC to expand access to clean energy careers.



NC Clean Energy Apprenticeships and Pre-Apprenticeships

- NCDEQ partnered with NC A&T State University, Apprenticeship NC, NCBCE in the Governor's Office, NC Community College Systems and industry partners
- 2021 – 1st Year CE Pre-Apprenticeship Program
 - 31 participants in 3 counties
 - 14 industry partners
- 2022 – 2nd Year CE Pre-Apprenticeship Program
 - 60 participants in 10 cities and counties
 - 25 industry partners
 - 3 Pre-Apprenticeship Certificates: Energy Efficiency, Solar Energy, and Weatherization
 - Registered Pre-Apprenticeship and Apprenticeship Programs in Solar Energy Technology and Energy Efficiency (HVAC)
 - Positioned NC A&T State University to receive the \$23.7 million STEPs4GROWTH - Good Jobs Challenge Award



STEPs4GROWTH – Good Jobs Challenge Award

- STEP_s4GROWTH - \$23.7 million funded by Department of Commerce's Good Jobs Challenge.
- Creating the Next Generations of Clean Energy Workforce talent.
- Includes four energy sectors: Energy Efficiency, Renewable Energy, Clean Vehicles and Grid Resiliency.
- Creates CE jobs exponentially over 4 years: 100 CE jobs in 2023; 400 CE jobs in 2024; 1000 CE jobs in 2025; and 1500 CE jobs in 2026 totaling **3000** jobs.
- Participants include: college students, high school graduates, and reskilled/displaced workers.
- Multiple pathways and credentials available for BS degrees, AAS degrees, and long and short certifications in CE technologies.



STEPs4GROWTH – 2023 Highlights

- Clean Energy Job Placements

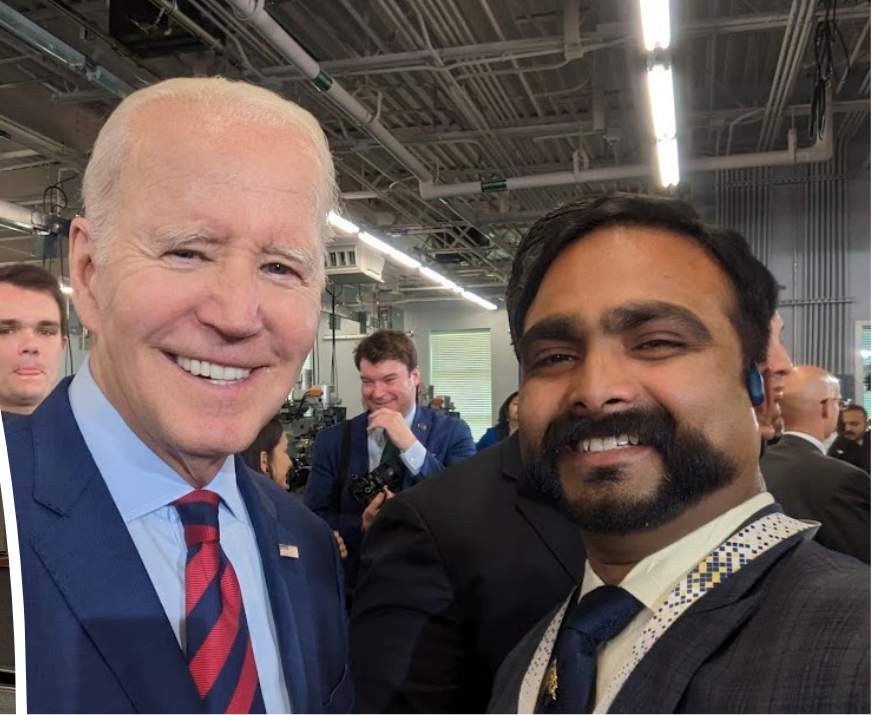
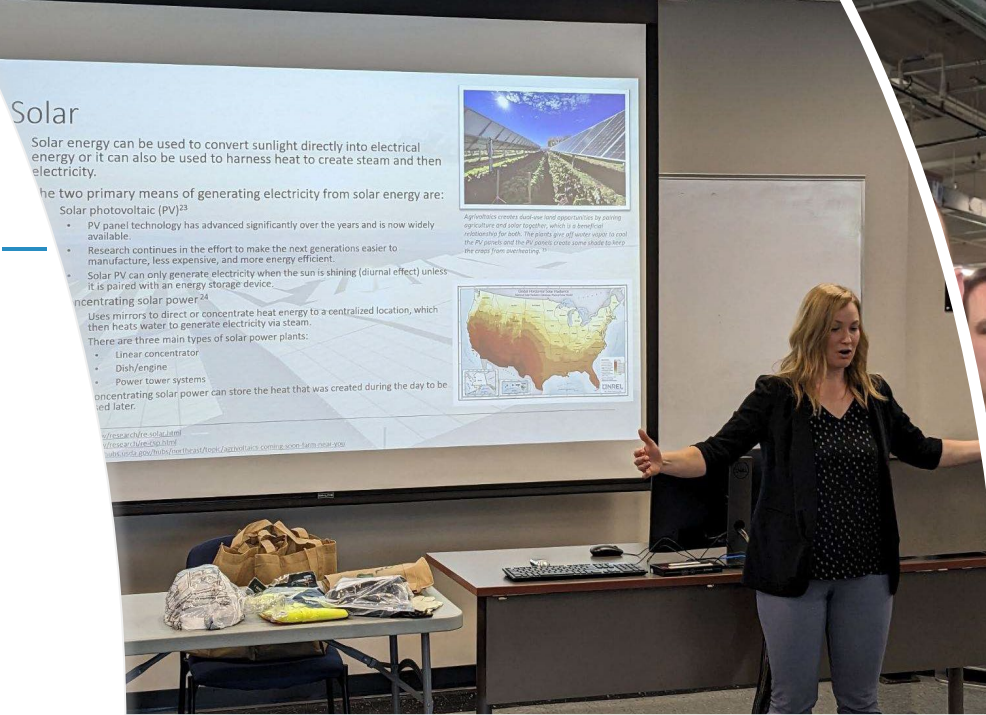
- 105 good jobs as of August 2023
- Additional 130+ good job commitments by 45+ industry partners have been made, including 55 apprentices placed at Duke Energy through S4G in year 1.
- NCDEQ, Apprenticeship NC, and industry partners provided stipends for S4G participants in 10-week summer clean energy OTJ Training programs in 15 NC counties.
- Job focus areas: EV and Charging, Battery Technologies, Solar Technology, HVAC, Micro-Grids, and EE Lighting



STEPs4GROWTH – 2023 Highlights

Summer 2023 OJT Training
presenters included
presentation from:

- NCDEQ
- Commerce
- NCDOT
- NCBE at Governor's Office
- NCDOA
- Utilities
- Many others
- Special guest: President Biden and Dr. Jill Biden



Thank You

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