

Workforce, Education, and Training Opportunity Development Subcommittee

March 22, 2022

1:00pm-2:00pm



NC TOWERS

Workforce, Education, and Training Opportunity Development Subcommittee (Workforce)

To research, evaluate, and make recommendations regarding policies and programs that will grow a diverse and competitive NC offshore wind workforce

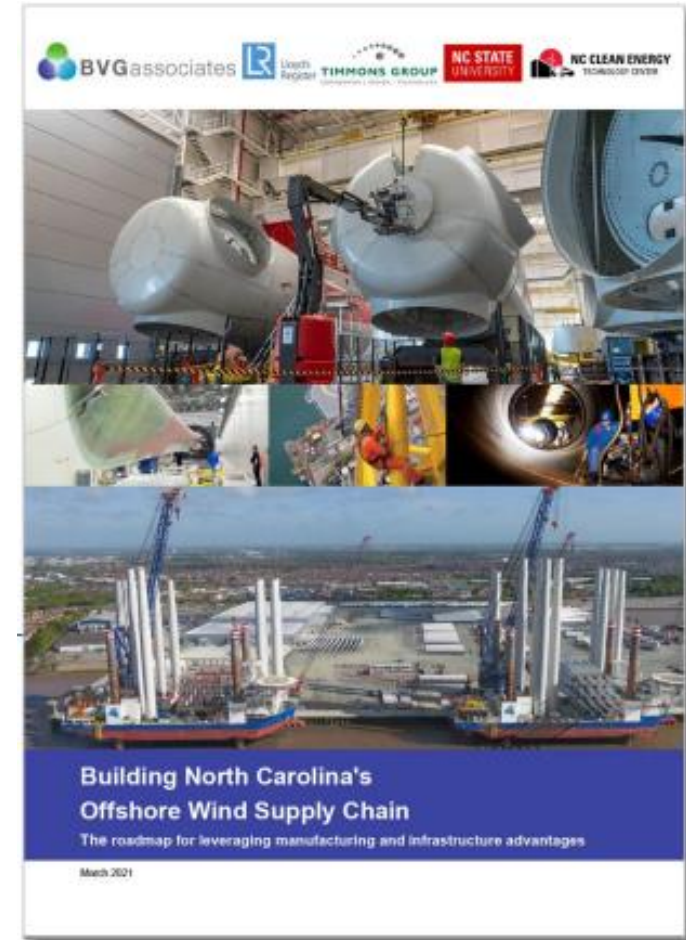
- Evaluate NC offshore wind workforce development challenges and opportunities
- Identify policies and programs that foster a diverse, highly skilled, offshore wind workforce
- Foster partnerships among educational institutions, businesses, trades, and stakeholders best equipped to implement the offshore wind workforce recommendations

Topics to discuss and consider:

- K-12 schools
- Higher Ed.
- Credential attainment
- Labor
- (Pre) Apprenticeships
- Aligned curriculum
- Work-based learning
- Workforce pivoting (e.g., military separation)
- Cross training
- Diversity

Building North Carolina's Offshore Wind Supply Chain

- Include 48 specific recommendations to **prepare, facilitate, or accelerate** the growth and development of offshore wind in NC.
- Pg. 98-107 highlights opportunities in workforce development.
- OSW workforce needs are split into two main categories 1) traditional manufacturing jobs for the supply chain 2) construction, operation, and maintenance jobs for the wind turbines
- NC's strong manufacturing presence sets us up to support a significant and diverse OSW workforce



Building North Carolina's Offshore Wind Supply Chain

Workforce development recommendations

Enable and sustain North Carolina's business opportunity through workforce development				
34	Conduct a job skills analysis.	7	7.5	Prepare
35	Develop an inventory of industry-relevant training already available.	7	7.5	Prepare
36	Promote the training opportunity to North Carolina.	7	7.5	Prepare
37	Promote the training opportunity to the OSW Industry.	7	7.5	Prepare
38	Establish a Wind Energy Technician Training Program.	7	7.5	Facilitate
39	Establish training partnership with the Mid-Atlantic Wind Training Alliance.	7	7.5	Facilitate
40	Provide funding for new infrastructure, equipment and curriculum.	7	7.5	Accelerate

NC TOWERS Workforce Subcommittee Goals

- 1. Conduct a job skills analysis** for construction, operation and maintenance needs faced by the offshore wind industry. Conduct the analysis at an occupational level to determine skills gaps and training needed to prepare a qualified offshore wind workforce. (Deadline: November 2022)
- 2. Develop an inventory of industry-relevant training already available.** Work with relevant stakeholders to identify existing public and private training options already available from the NCCS and other training providers. (Deadline: November 2022)
- 3. Promote the training opportunities** to North Carolina education and workforce systems and to the OSW industry. (Deadline: December 2022)

NC TOWERS Workforce Subcommittee Goals

Goal 1: Conduct a skills analysis for OSW occupations

Committee Members: Perry Harker, Secretary Gaskin, Alvin Warwick, Dr. Jenni Harris, Dr. Andrea DeSantis, Emily Roach

Deliverables: 1) Of the known OSW occupations, identify the top high leverage occupations that will require new skills and training. 2) Partner with Commerce's Labor and Economic Analysis Division to analyze the occupations using NCcareers.org and O*NET

Status: In addition to working on the two deliverables, the committee is scoping the project to determine the most useful end product.

NC TOWERS Workforce Subcommittee Goals

Goal 2: Develop an inventory of industry-relevant training already available for OSW occupations

Committee Members: Dan Segovia, Perry Harker, Phyliss Craig-Taylor, Alvin Warwick, Bob Peele, Dr. Andrea DeSantis

Deliverables: 1) Identify relevant training opportunities available from public (NCCS and UNC System) and private providers. 2) Identify best practices and training opportunities available in SMART-POWER states.

Status: 1) Identified wind energy, engineering, and energy programs, and the associated academic degrees, offered by the UNC system. Task is in process with the NCCS and Independent Colleges and Universities. 2) BOEM is offering a bidding credit to allows a bidder to receive a credit of 20% of its cash bid in exchange for contributing to high-quality workforce development. 3) The Ironworkers National Training Fund is currently working on a facility to train the workforce in GWO Basic Safety Training that consists of 5 basic modules, *Working at Heights, First Aid, Sea Survival, Fire Awareness, and Manual Handling.*

NC TOWERS Workforce Subcommittee Goals

Goal 3: Promote OSW training opportunities to NC education and workforce systems and to the OSW industry

Committee Members: Phyliss Craig-Taylor, Kevin Dick, Emily Roach

Deliverables: 1) Partner with the Outreach and Education Committee to develop an outreach plan once the OSW skills analysis and training inventory are complete. 2) Identify audience for initial awareness meetings

Status: The committee is working on the two deliverables while placing emphasis on diversity and equity in their outreach. The subcommittee will convene the UNC system provosts and HBCU representatives when the time is right.