2ND ANNUAL MASON ENERGY SYMPOSIUM
ENERGY-WATER NEXUS

LAND-BASED WIND

Wind Energy Panel
April 26, 2018

Remy Pangle
Center for Wind Energy at JMU

Center for Wind Energy
JAMES MADISON UNIVERSITY

KidWind 2017 Challenge

BPI BUILDING PERFORMANCE INSTITUTE, INC. TEST CENTER

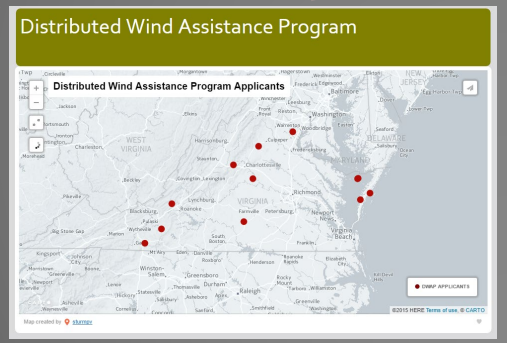
NABCEP Raising Standards. Promoting Confidence.

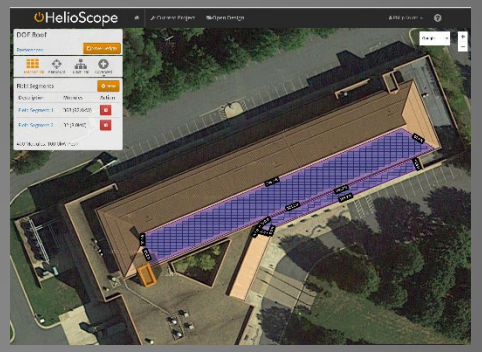
AWEA State Forums VIRGINIA

Communities and Local Government

COLLEGIATE WIND COMPETITION U.S. DEPARTMENT OF ENERGY

Virginia Wind for Schools

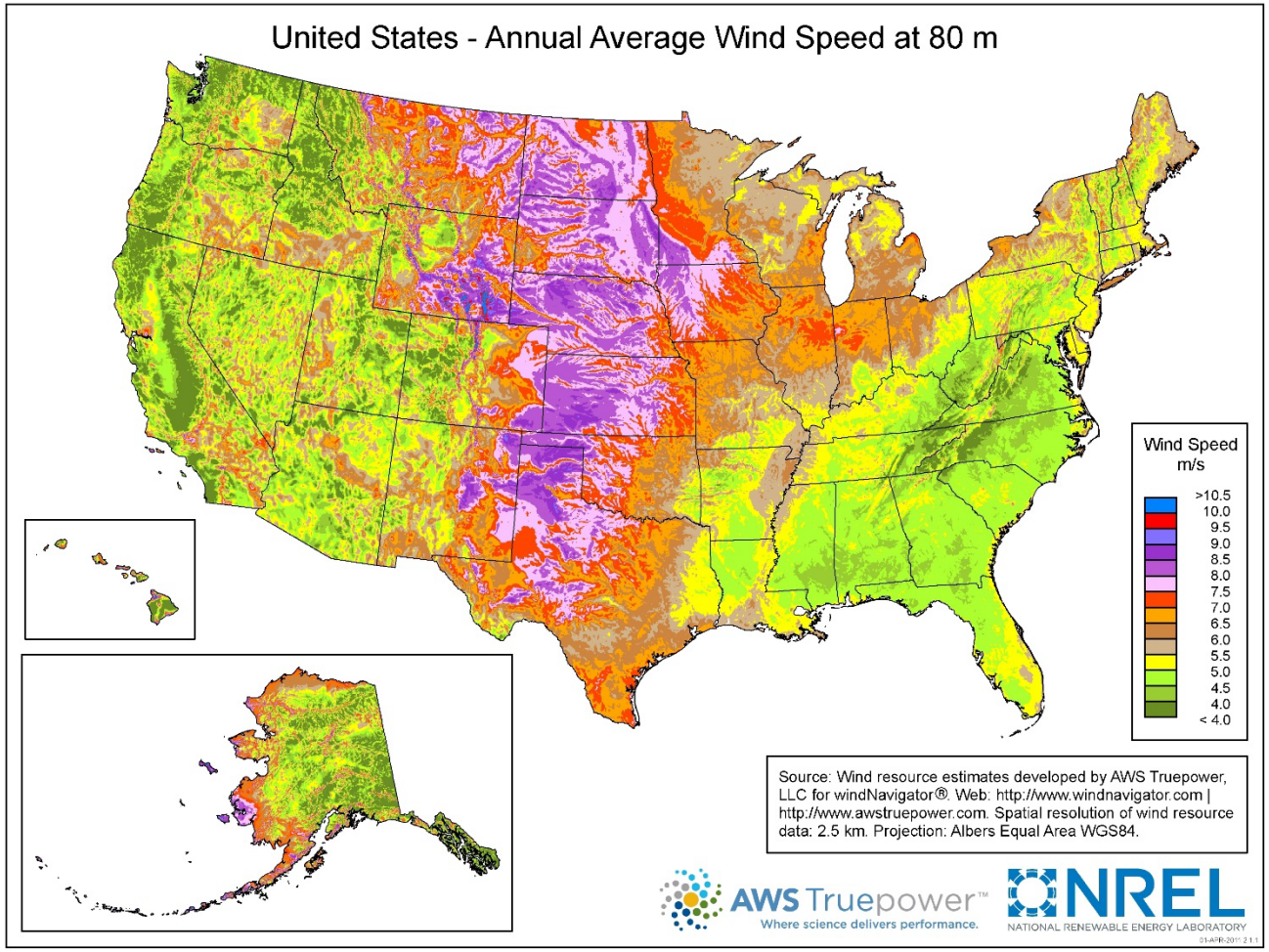




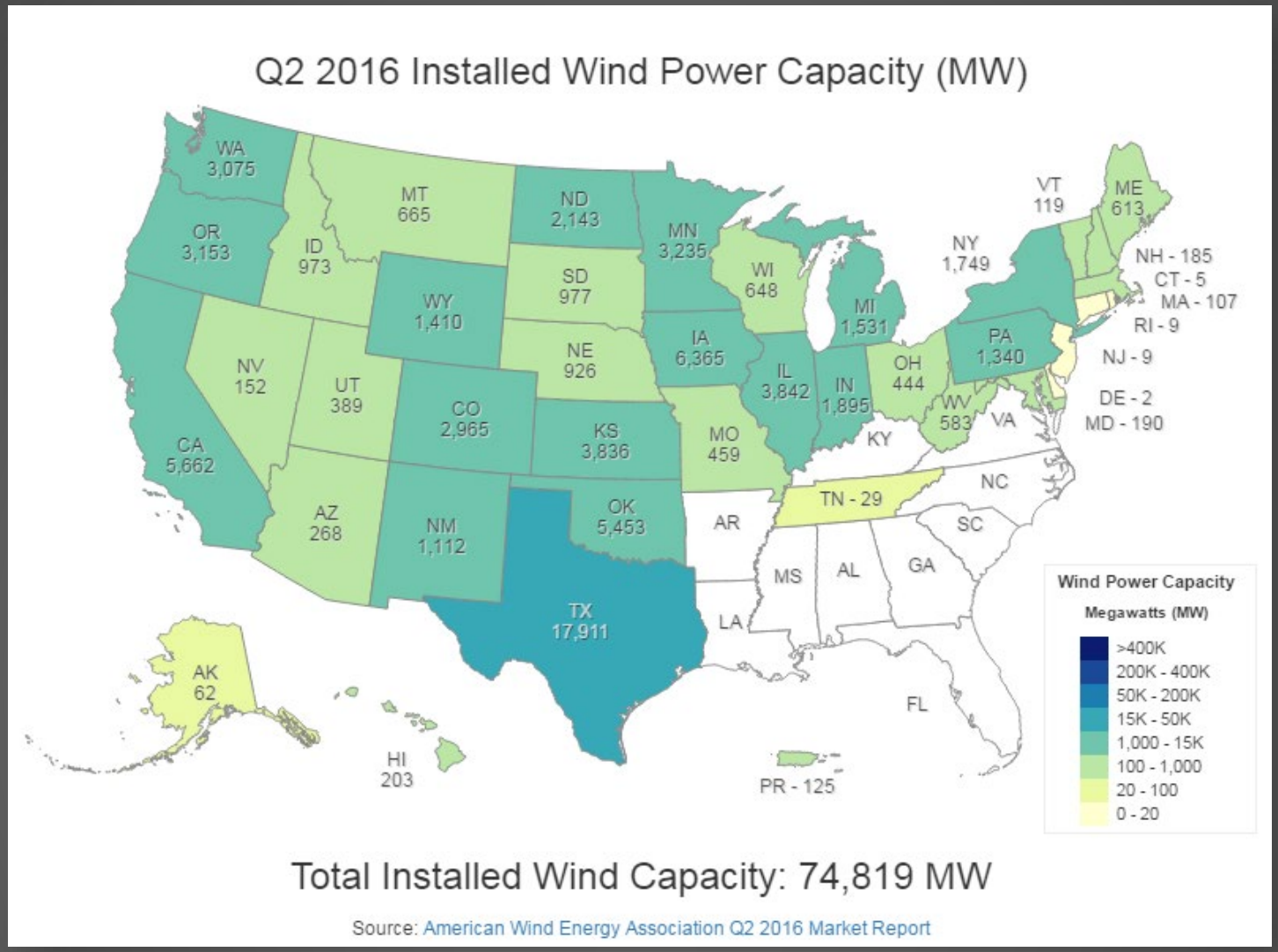
ASES NATIONAL SOLAR TOUR

WIND ENERGY IN THE US

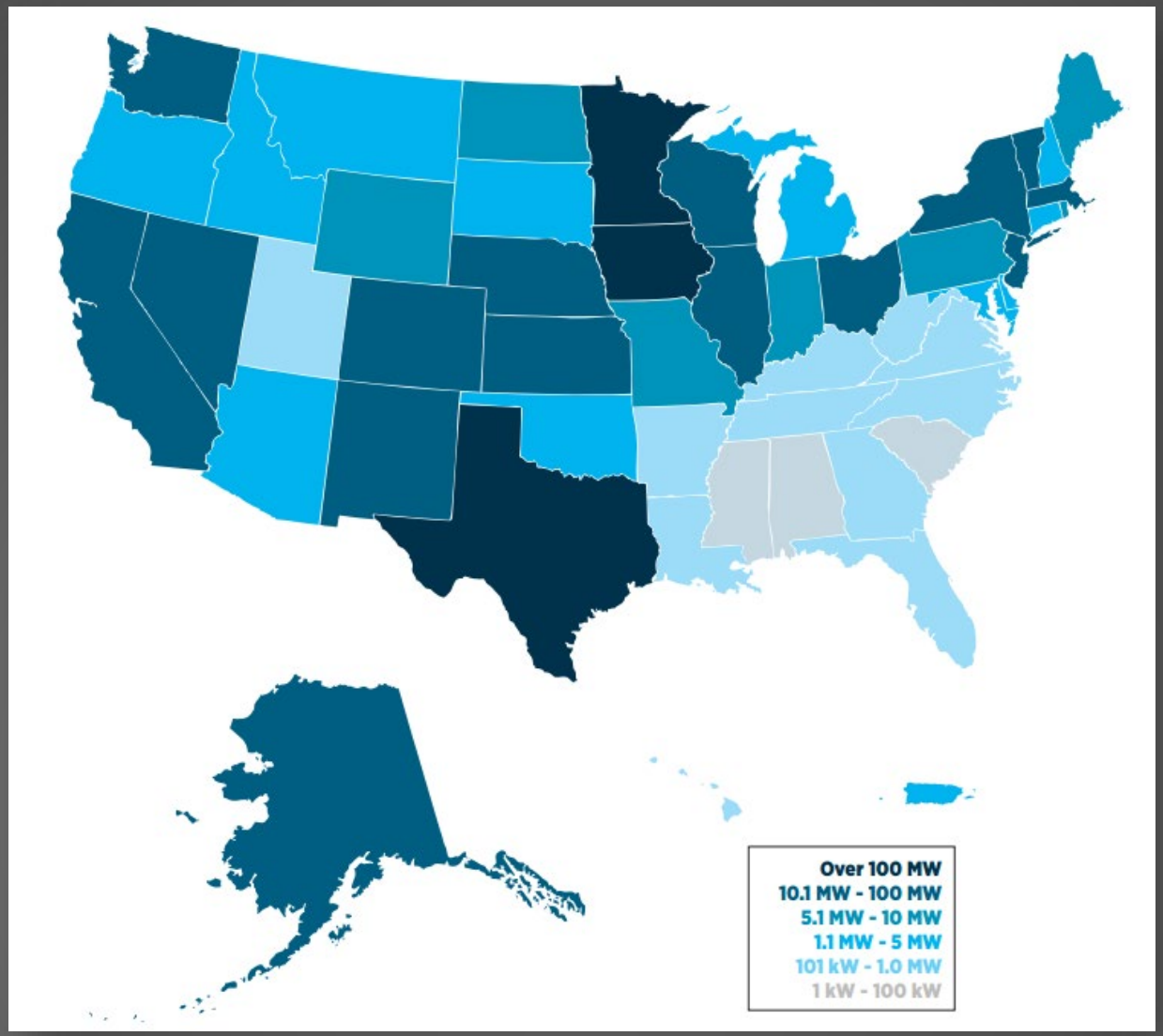
THE US HAS LOTS OF WIND ENERGY POTENTIAL



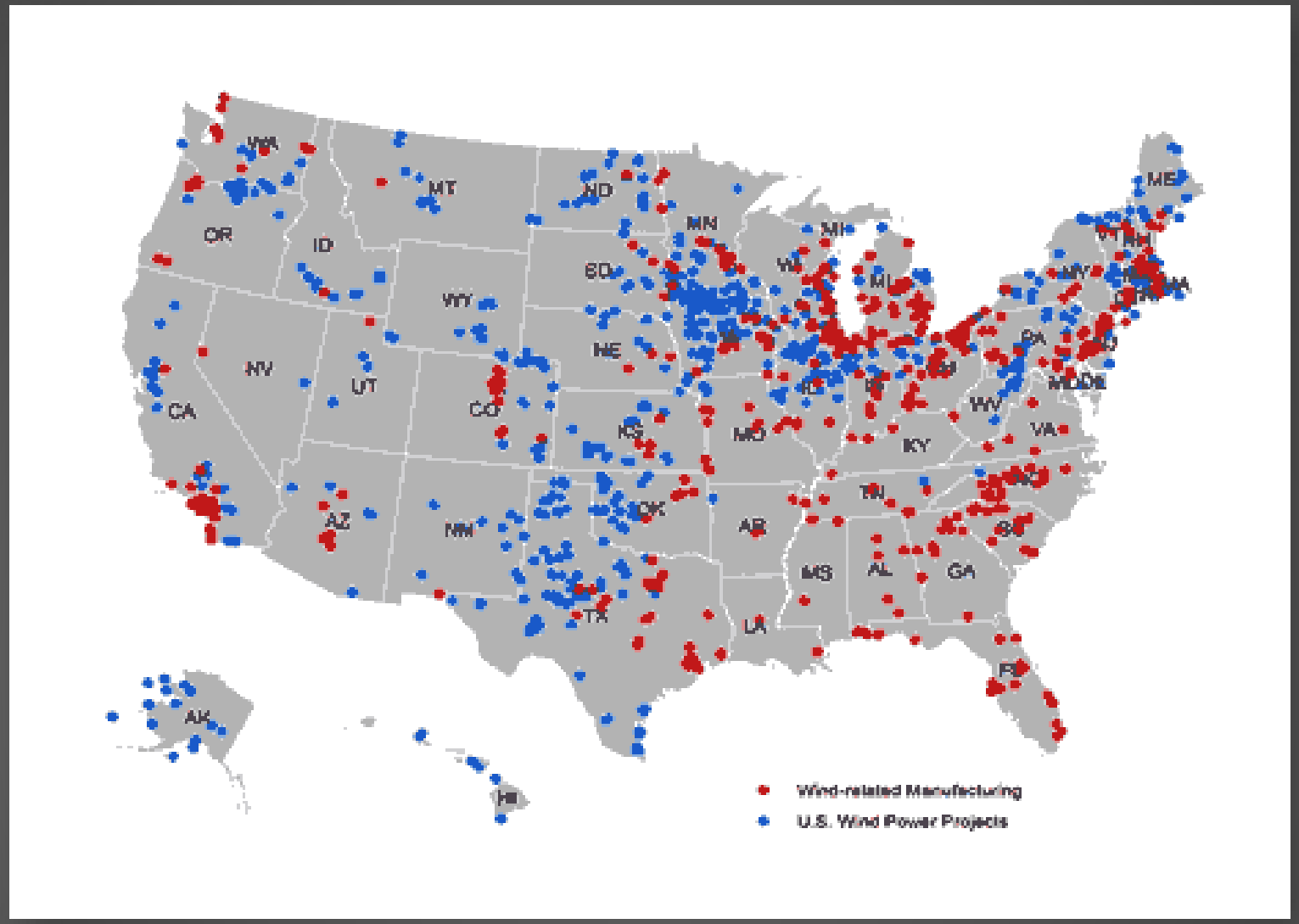
5.5% OF THE US' ELECTRICITY IS FROM WIND



SOME OF THAT IS SMALLER TURBINES

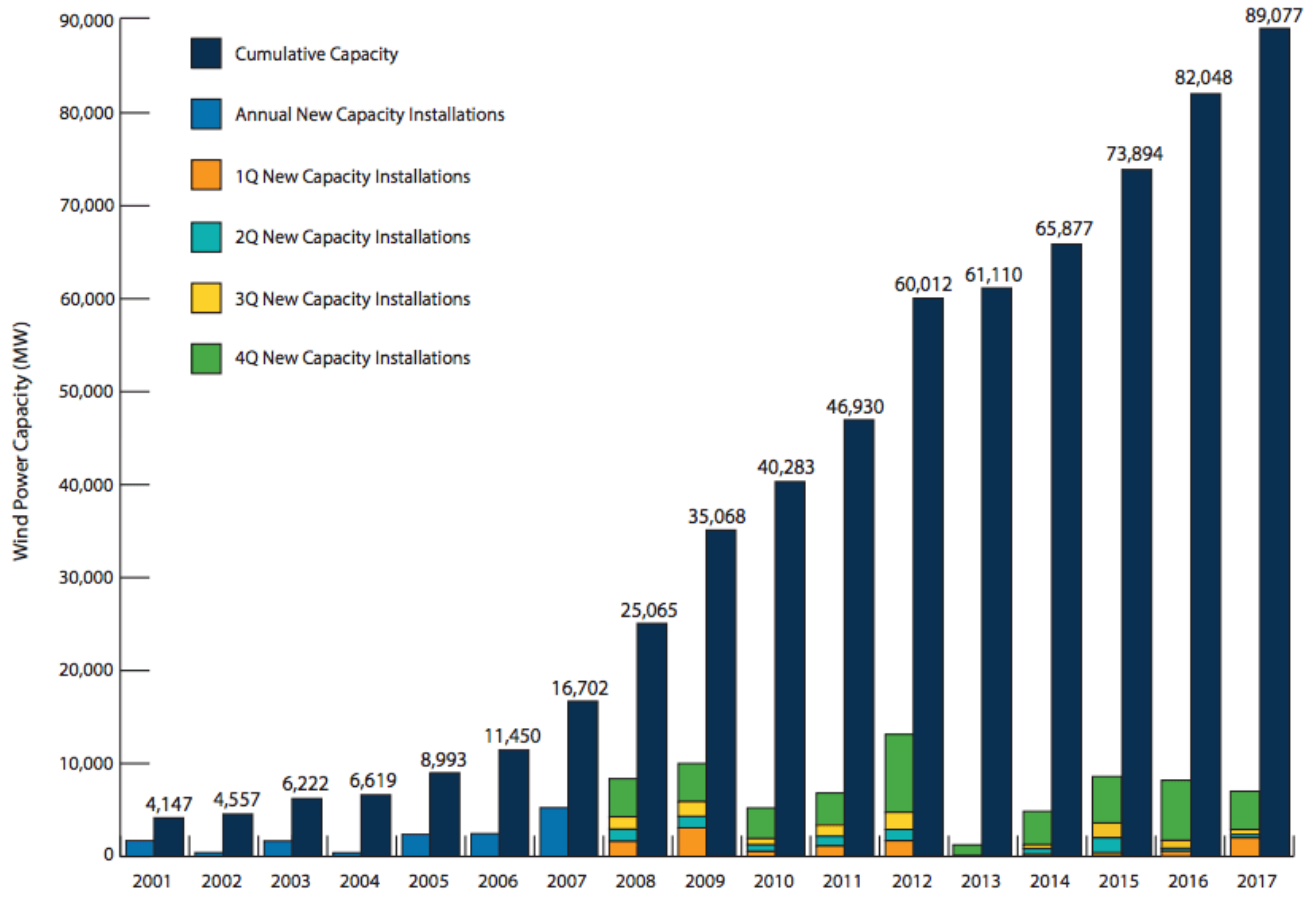


WIND FARMS HAVE A LARGE SUPPLY CHAIN



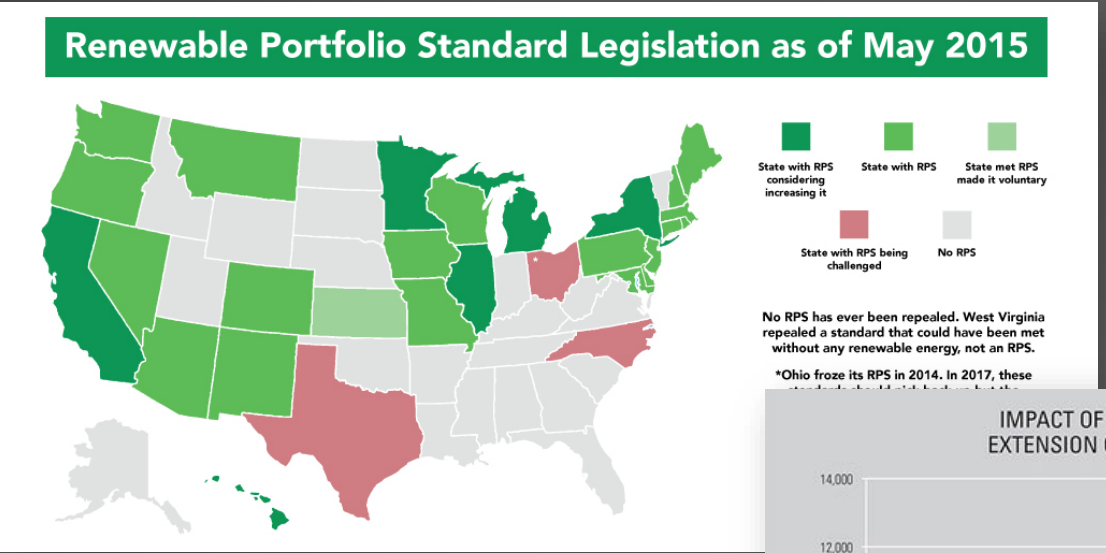
THE WIND INDUSTRY IS GROWING STEADILY

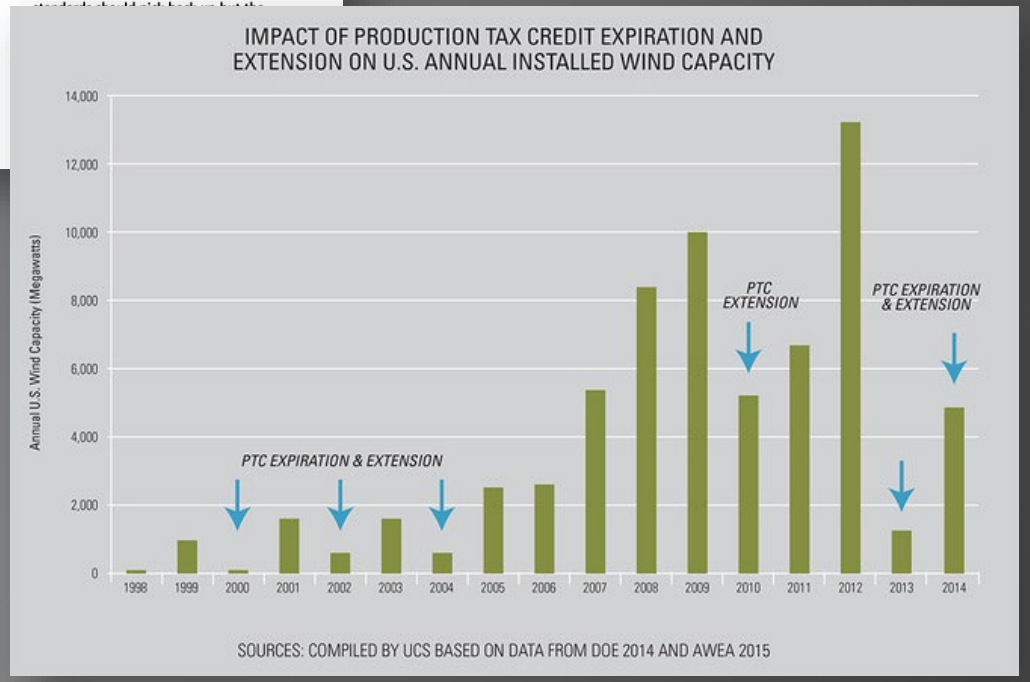
U.S. New Annual and Cumulative Wind Power Capacity Growth



Note: Utility-scale wind capacity includes installations of wind turbines larger than 100-kW for the purpose of the AWEA U.S. Wind Industry Quarterly Market Reports. Annual capacity additions and cumulative capacity may not always add up due to decommissioned and repowered wind capacity. Wind capacity data for each year is continuously updated as information changes.

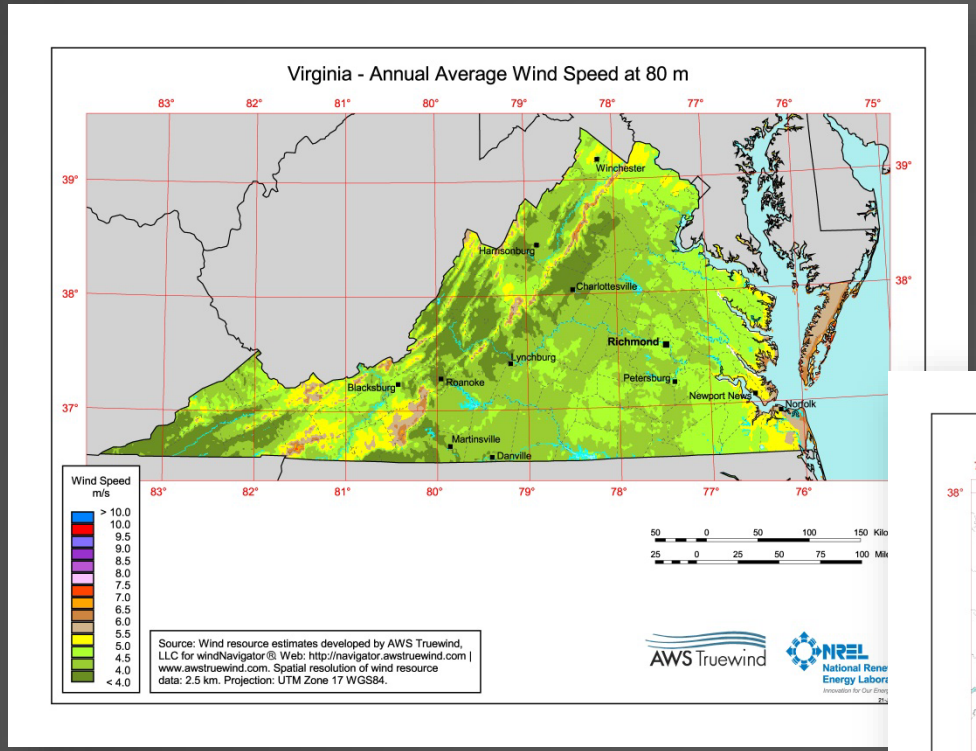
GOOD POLICY IS KEY

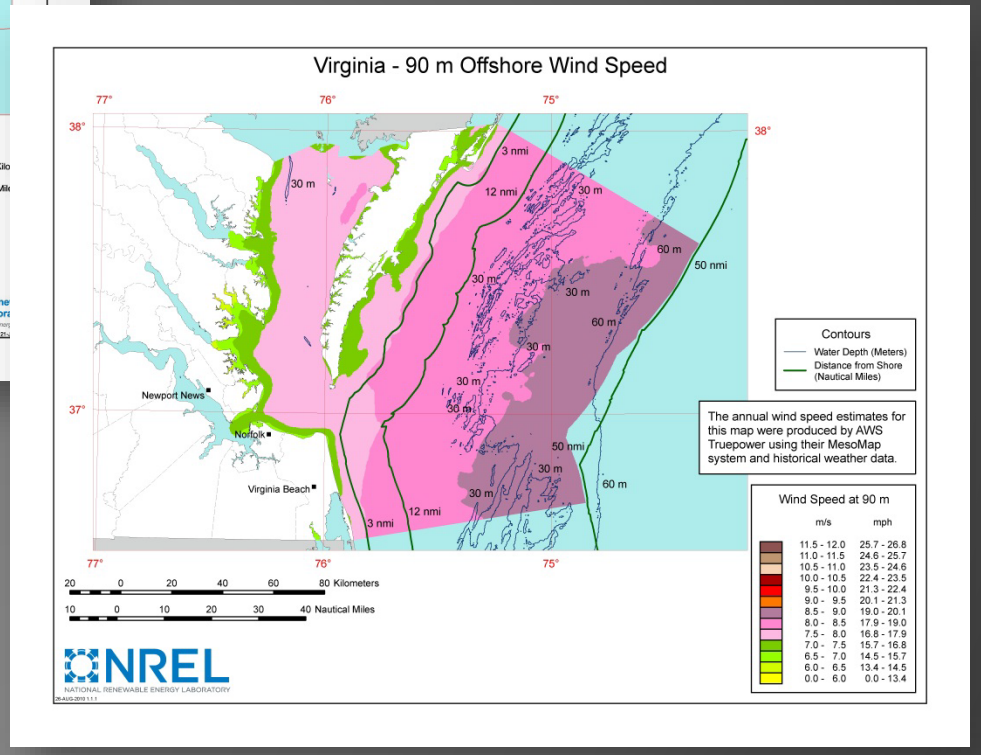




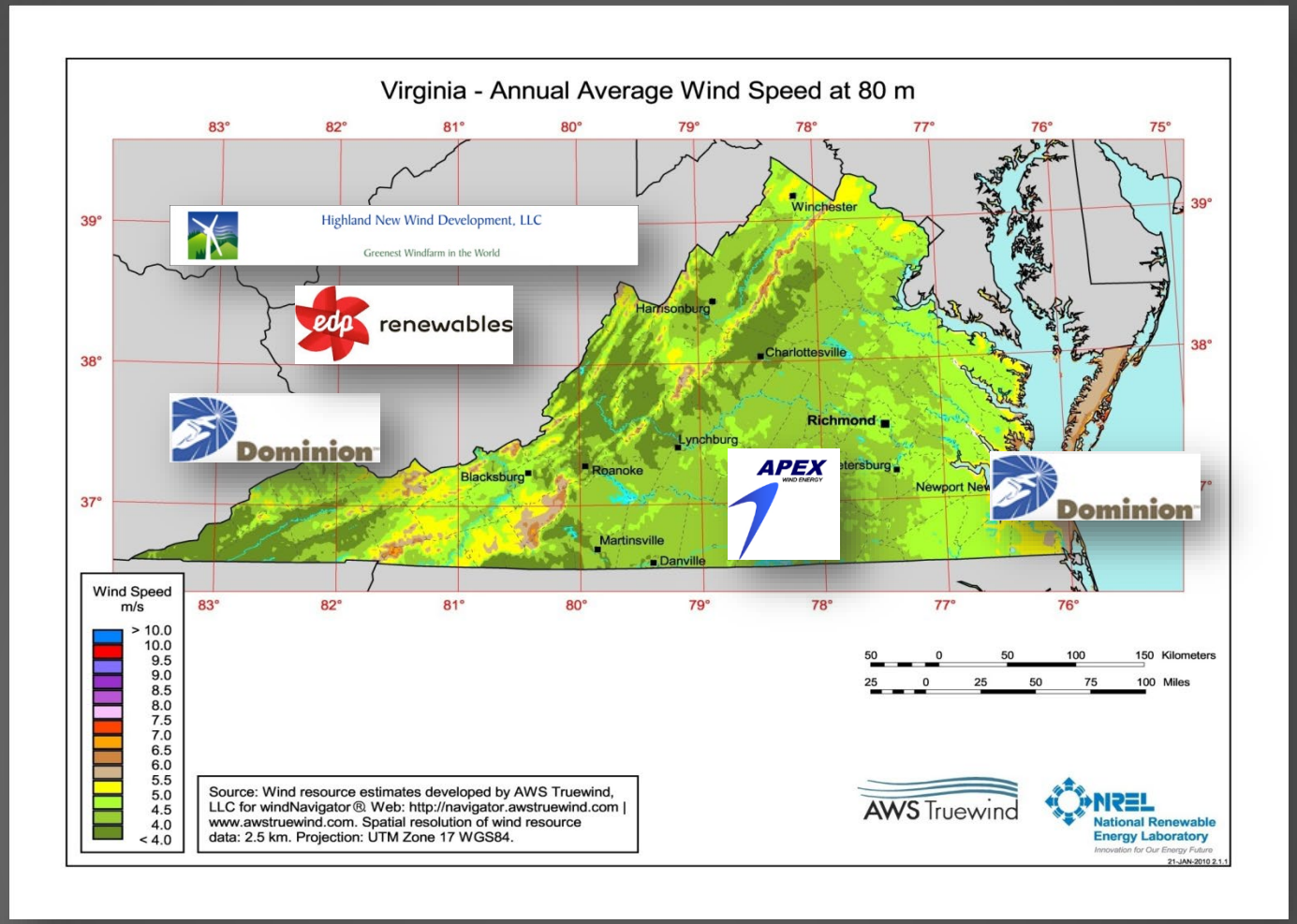
WIND ENERGY IN VIRGINIA

VIRGINIA HAS GOOD WIND POTENTIAL

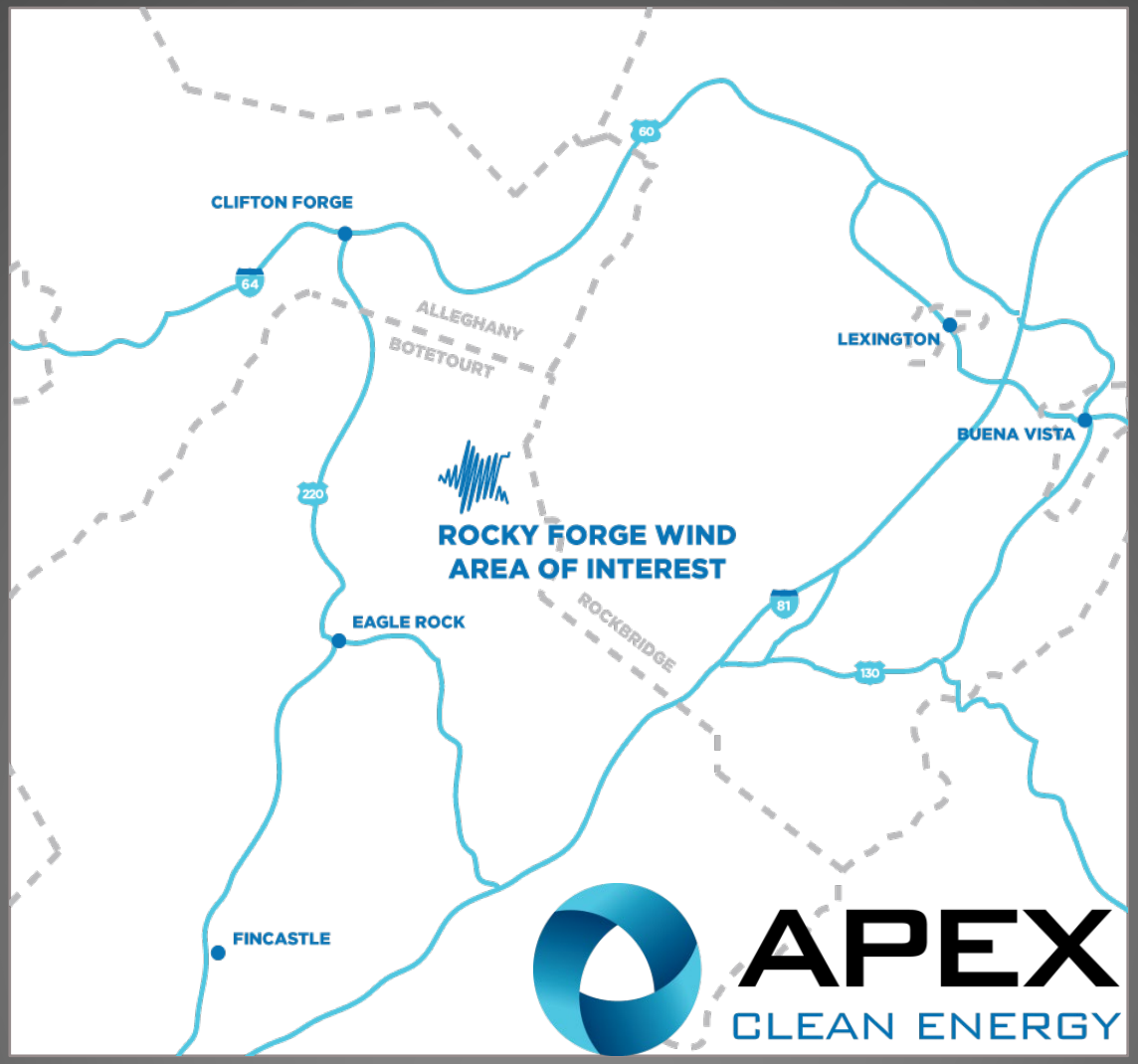




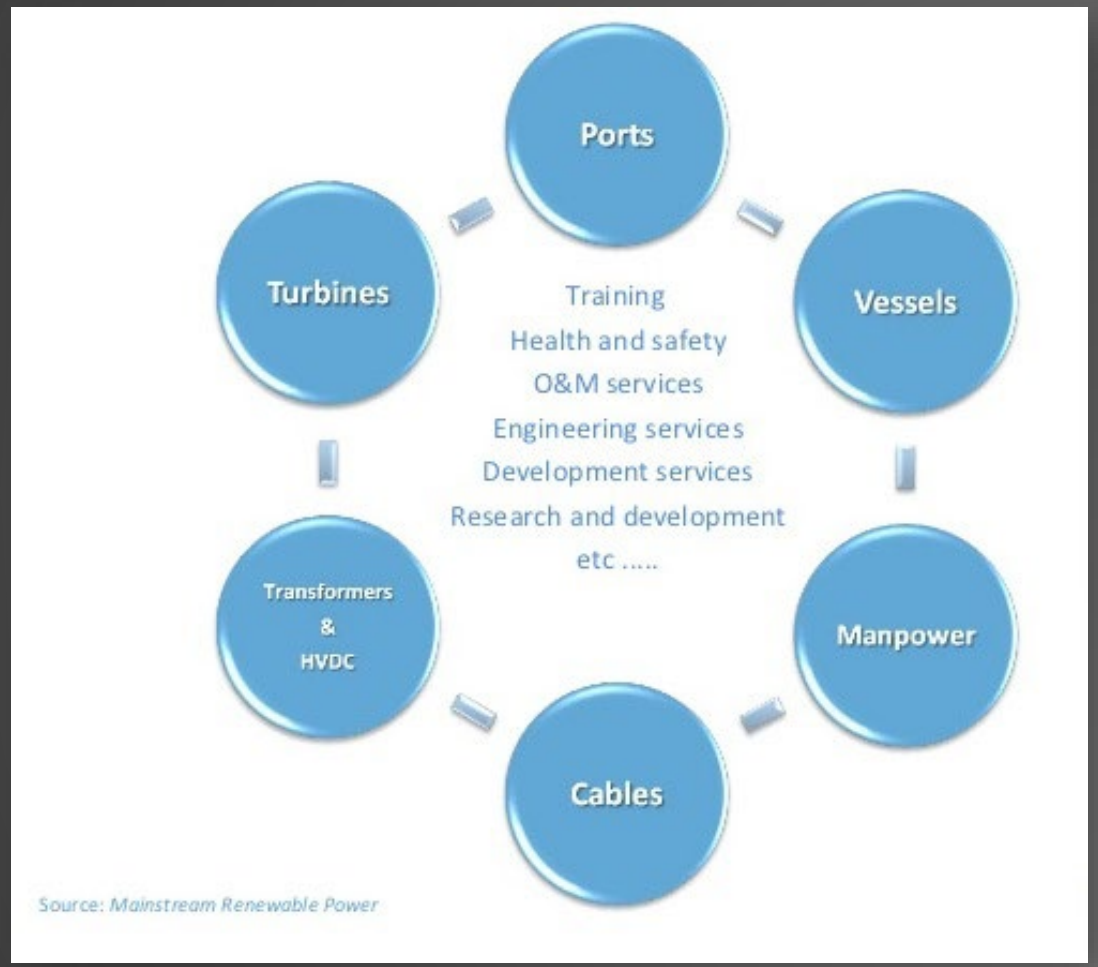
PROJECTS ARE BEING PROPOSED AND PROSPECTED



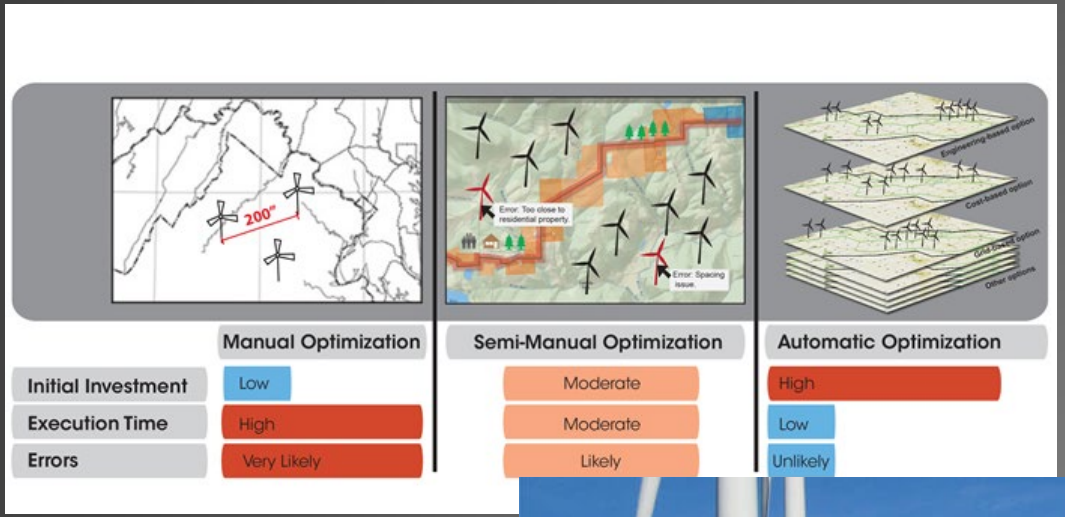
ROCKY FORGE IS IN THE PROCESS OF GETTING STATE PERMITS

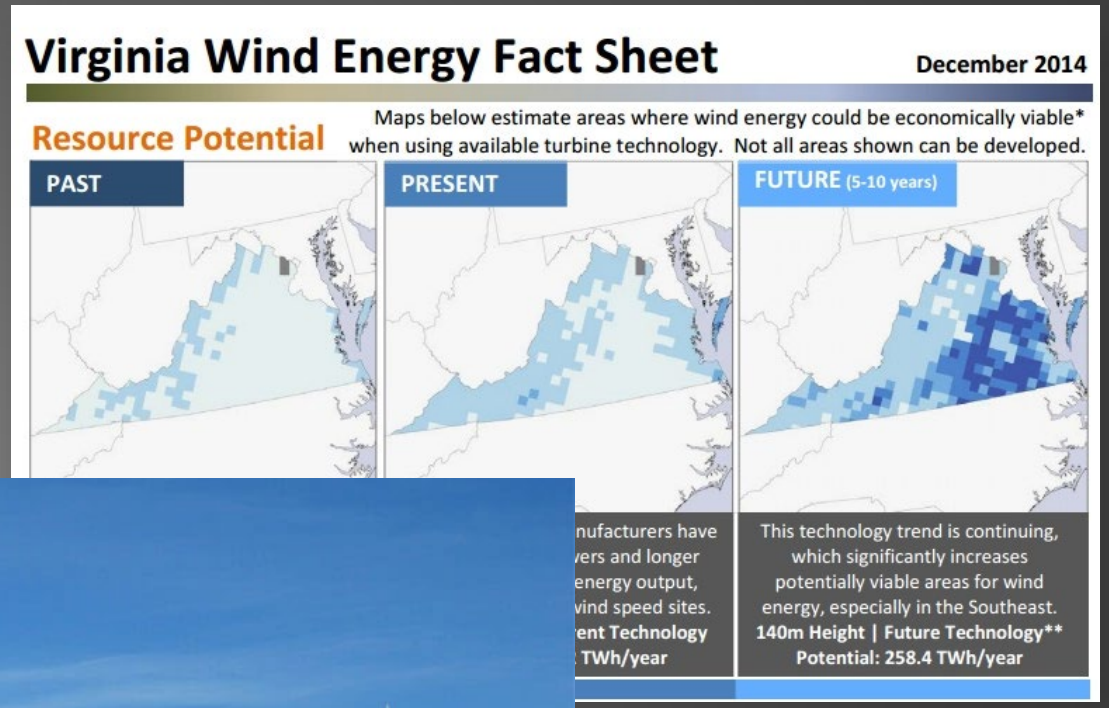


VIRGINIA WILL LEVERAGE THEIR SUPPLY CHAIN ASSETS FOR OFFSHORE WIND

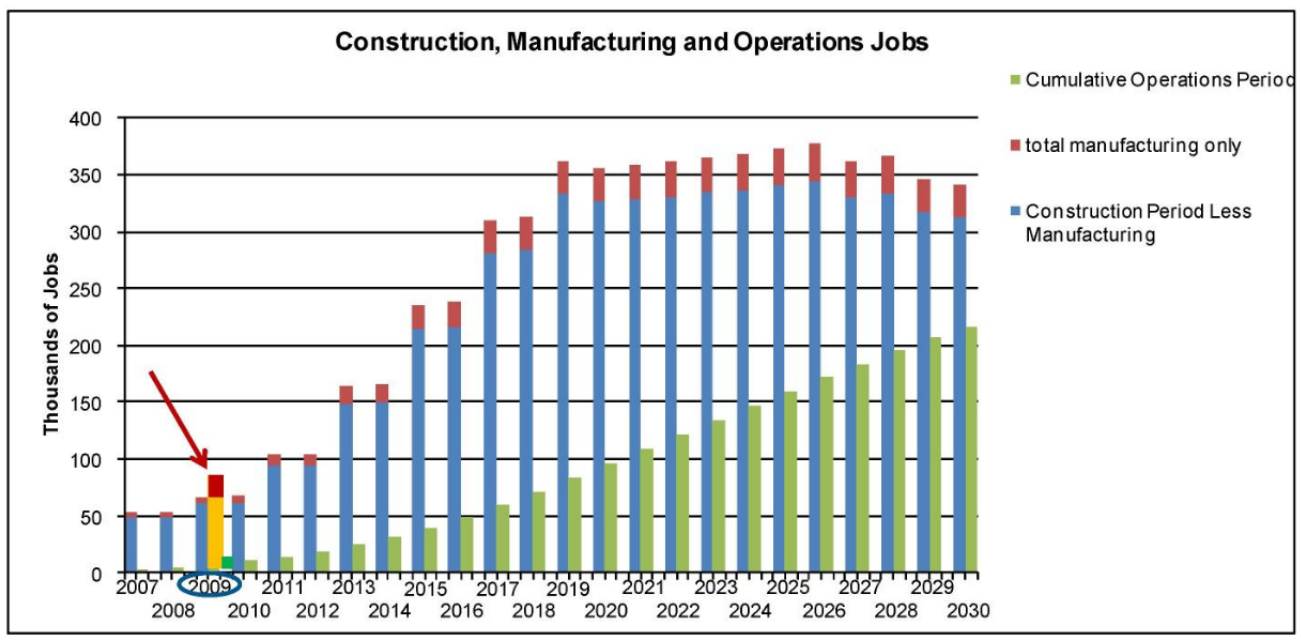


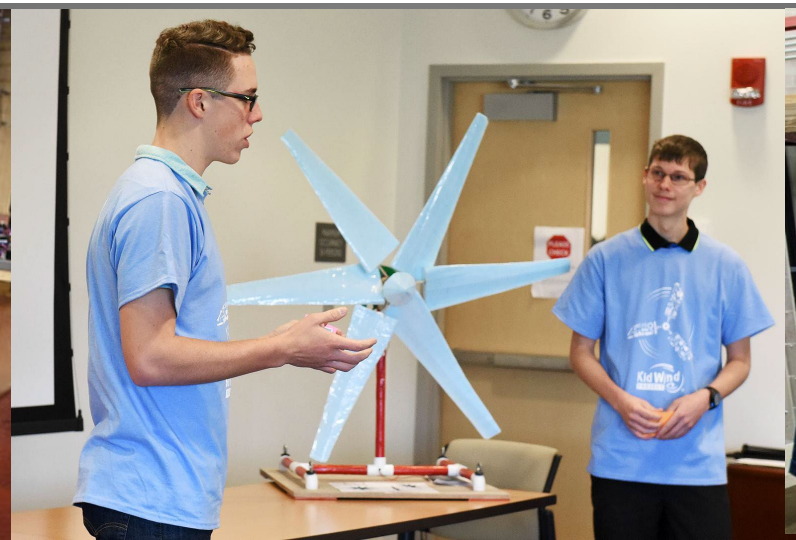
THERE ARE STILL SCIENCE AND POLICY ISSUES TO ADDRESS





LOTS OF WORKFORCE NEEDS





COMMUNITY OUTREACH PLAYS AN IMPORTANT ROLE

WHAT MASON CAN DO TO HELP!

- Be informed and inform others
  - Chock up on wind energy facts
  - Write letters to the editor
  - Put on a community event
- Work with industry to identify engineering and science research needs
- Review current legislation (state and federal) and write to your legislators

QUESTIONS?

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Visit our Facebook Page to ask questions, give feedback, see current events and project photos, and stay up-to-date on what's happening at the Center and with wind energy throughout Virginia!

Join our LinkedIn Group to engage in discussions, participate in polls, read current articles, and ask questions!

Skype us via VACenterforWindEnergy to ask questions or just chat with us!

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