A few observations from a recovering career army engineer officer

Colonel (Retired) Paul B. Olsen, P.E.

HONORBUILDERS
STRATEGIC ENGINEERING

Junior Military Engineers

- Sapper versus Engineer
- Training versus Education
- “The Extraordinary Career of LTG Frank Camm – Three Tenets for Building Great Engineers” (The Army Engineer May 2012)
  - Leadership
  - Advanced Civil Schooling
  - Master-Apprentice Assignments

Middle - Grade Military Engineers

- Start a business… sell stuff on line, mow lawns or even consult
- Collect masters degree(s)
- Take your EIT, PE, PMP
- Don’t squander Continuing Education (CE)
- Be ready to transition at 20

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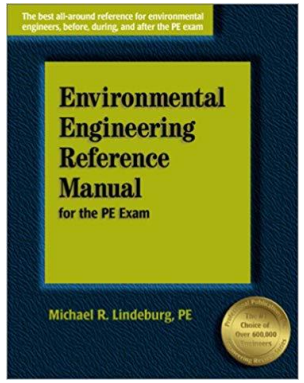

International Association of Indoor Air Consultants
IAC2 CERTIFIED
Radon CERTIFIED
Mold CERTIFIED

US Army Corps of Engineers ®
Norfolk District

Service Disabled Veteran Owned Small Business
SDVOSB
CVE

Senior Officers

- **Know <u>your</u> retirement test.**
- **Know <u>who</u> is retiring ahead of you.**
- **Don't focus on the small stuff**
- **Don't short change your retirement physical, but <u>be honest</u>.**
- **Transition assignments aren't always good**
- **This will be your new, first job… not your final job. <u>Name your terms</u>!**
- **Jump on the speaking circuit.**
- **Boards are not boring.**
- **Look for new, greener pastures.**
- **Virtual offices are a lot of fun.**
- **Invest in your future, again (VA Certifications, Chambers, etc).**

NORFOLK BOTANICAL GARDEN
A Natural Beauty.

Small Business Owners and Universities

- Universities are your grant-funded allies
  - Contracting and Procurement Assistance
  - Workshops
  - Small Business Innovation and Research (SBIR) Grants
  - Free Graduate Student Opportunities
  - Networking
- Local knowledge is valuable, so don’t give it away
- Assisting on proposal teams pays, and doesn’t pay.
- Consider being an adjunct professor.
- Spend money on experts like contract review, book keeping, etc.

Larger Businesses and Universities

- Many grants require corporate partners!
- Consider using a University as your subcontractor (Arcadis, Tetra Tech, Stantec have done so with ODU)
- Big grants are indicators for future business
- Universities can provide you advantages (HBCU, Alumni)
- University Affiliated Research Centers
- Other Consortiums

SYSTEMS ENGINEERING RESEARCH CENTER

CIT
CENTER FOR INNOVATIVE TECHNOLOGY

CCALS
Commonwealth Center for Advanced Logistics Systems

NATIONAL INSTITUTE OF AEROSPACE

USC University of Southern California
Missouri S&T University of Science & Technology
Purdue University
Wayne State University
Carnegie Mellon
AFIT
Stevens Institute of Technology
The Innovation University
PennState
Massachusetts Institute of Technology
UMass Amherst
University of Maryland
Georgetown University
Virginia Tech
University of Virginia
Old Dominion University
North Carolina Agricultural and Technical State University
USF University of South Florida
Georgia Tech
Auburn University
Texas A&M University
The University of Alabama in Huntsville
Naval Postgraduate School
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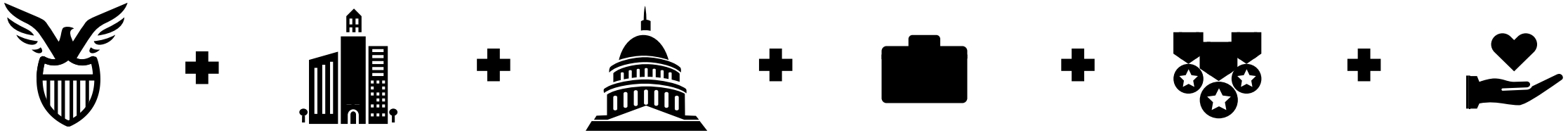
Five Minutes on Sea Level Rise

AMERICAN FLOOD COALITION

A nonpartisan coalition advocating for solutions to flooding and sea level rise

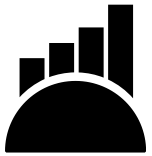
AMERICAN FLOOD COALITION

A nonpartisan coalition advocating for national solutions to flooding and sea level rise



Federal champions + Cities + Elected officials + Businesses + Military leaders + Civic groups

Four solutions pillars



Economy

Invest in infrastructure and natural solutions that boost the economy and protect property values

Communities

Use smart planning to keep communities safe and save taxpayer dollars

Rebuilding

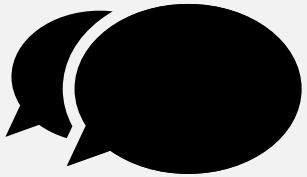
Build back stronger to protect communities from future flooding

Military

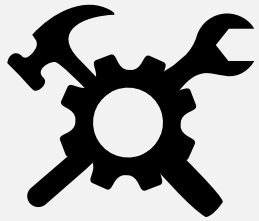
Ensure our military installations are ready to deploy 365 days a year

Member benefits

A strong platform to advocate as part of a nonpartisan group for national solutions to sea level rise and flooding that invest in and protect our coastal communities



A forum for best practices and support in developing local and state-level responses to sea level rise flooding



Opportunities and tools to communicate with residents on sea level rise challenges and solutions, including media opportunities if you're interested

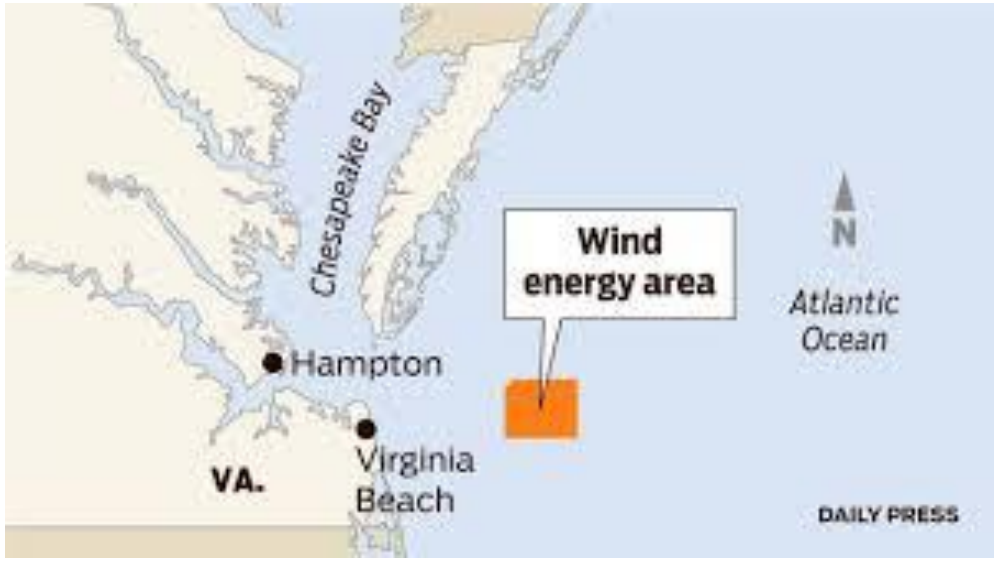
Joining the coalition

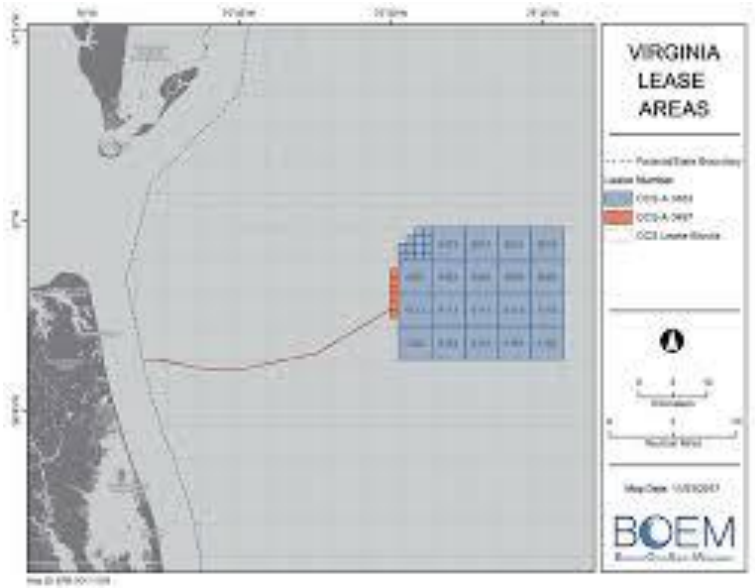
It's simple.

Free. There is no cost to be a coalition member

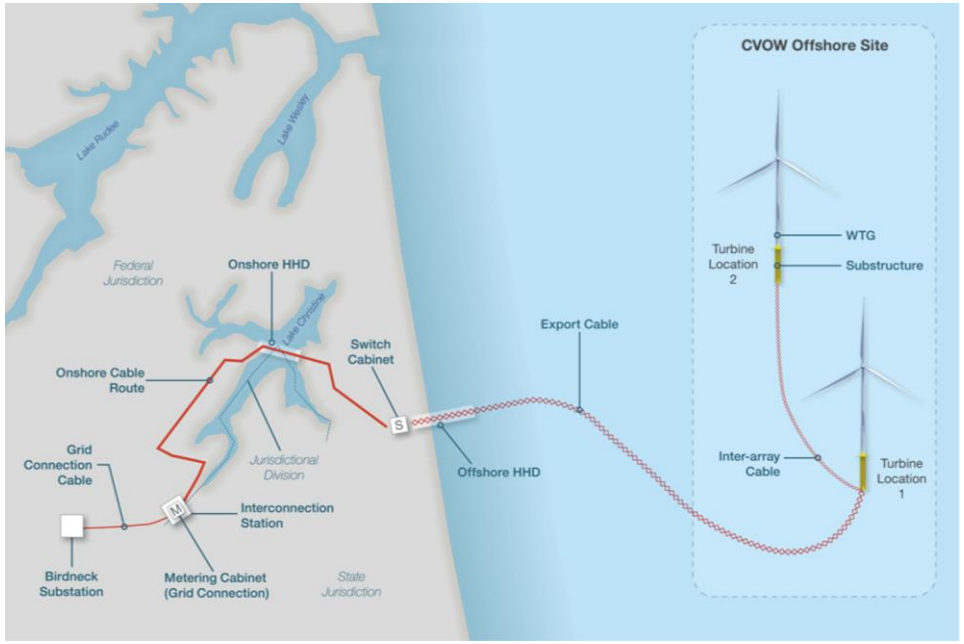
Independent. Joining the coalition does not create any legal ties or obligations

Growing. The Coalition launched in Florida and Virginia in March 2018, expanded to South Carolina in May 2018, and currently has 135+ members from across 10 states and Washington D.C.

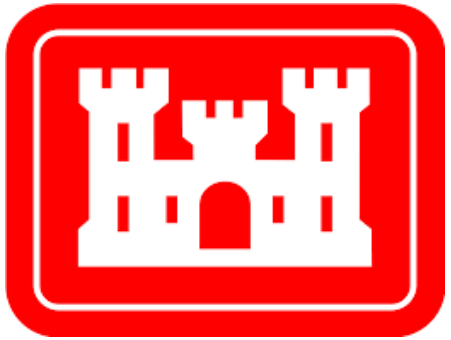




OLD DOMINION UNIVERSITY



One Minute on Virginia Offshore Wind – Its happening!



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STRATEGIC ENGINEERING

Questions

Today’s Engineers

U.S.ARMY

ARMY STRONG.℠

Specialist Keith Benson
One of Today's Engineers
Essaysons!