

VIMS-Industry Partnership Meeting
October 7, 2011
Notes

Present: Bill Bean, Debbie Brock, Avery Brown, John Brubaker, Bill Cooke, Jay Diedzic, Carl Friedrich, Dave Forrest, Dave Garver, Mike Ginn, Jim Golden, Karen Jackson, Dave Justice, Jeff Keever, Jen Kostyniuk, Rick Lally, Doug Law, Jason McDevitt, Scott McGinnis, Sally McNeelan, Doug Meredith, Paul Panetta, Gil Patrino, Mark Patterson, Susan Patterson, JoEllen Rose, Steve Sanford, Jim Sirte, Leonard Sledge, Greg Stringfield, Mike Unger, Lyle Varnell,

Notes from our meetings and some presentations are posted at:

<http://www.wm.edu/offices/economicdevelopment/regionalprojects/chesapeakebay/vimsinduspartner/index.php> .

- **VIMS Update - John Wells**
 - Chesapeake Inundation and Prediction System (CIPS) won the Governor's Technology Award; Harry Wang and his team were recognized at the COVITS meeting for this award
 - VIMS has submitted information for the Governor's budget proposal to add faculty positions at VIMS

- **Wind Turbine Siting in the Chesapeake Bay – Lyle Varnell**
 - VIMS has a contract to assist with the siting for offshore wind turbines
 - 6 sites in the Chesapeake Bay have been selected
 - Site at Cape Charles meets all of the criteria presented for a research and development permit
 - VIMS recognized the need to structurally change in some areas in order to work more effectively with industry
 - Center for Applied Marine Science and Technology was created (Lyle Varnell is the point of contact for CAMST)
 - December 2012 is the estimated date to see the first turbine erected

- **Virginia Offshore Wind Coalition – Jeff Keever**
 - The Virginia Offshore Wind Coalition advocates for offshore wind energy development in Virginia
 - Formed in 2009 as a trade association
 - Advanced legislation that established the Virginia Offshore Wind Development Authority
 - European manufacturers have visited Virginia to investigate Hampton Roads being a hub for wind energy related manufacturing
 - One of the biggest concerns for the coalition is the location of aqueducts / Navy training grounds
 - Discussions on the economics of wind power are underway as well as the impact of wind energy on military and civilian air operations

- **SAIC Energy Projects and OCEANS 2012 Conference – JoEllen Rose**
 - Energy Projects
 - SAIC is getting involved in offshore energy as a result of the U.S. Department of Energy making large investments in the area
 - The company is engaged in energy projects throughout the U.S.
 - SAIC serves as the head of the U.S. Department of Energy Advisory Group to the International Electro-technical Commission Technology Committee for Marine and Hydrokinetic Energy Standards
 - OCEANS 2012 Conference
 - Oceans 2012 is an international forum for ocean energy and marine technology professionals
 - The conference will be held at the Virginia Beach Convention Center October 14-19, 2012
 - Estimated 2,000 attendees
 - Call for papers is February – May, 2012
 - Website is <http://www.oceans12mtsieehamptonroads.org/>

- **Alternative Energy Solutions at Dominion – Jen Kostyniuk**
 - Dominion has a footprint in the Midwest, northeast, mid-atlantic that spans 15 states
 - Powering Virginia initiative: 4,500 megawatts needed over the next decade (enough capacity to power 1.1 million additional homes); \$4.2 billion planned for regulated infrastructure in Virginia from 2010-12; new generation under construction; transmission and distribution upgrades; focus on energy efficiency and conservation; and the ultimate goal is to maintain competitive rates
 - Alternative Solutions Group formed at Dominion
 - By 2025 Dominion has a goal to have 15% of its production in renewable energy

- **Chesapeake Algae Project (ChAP) Update – Bill Cooke**
 - Multi-institutional effort to grow wild algae in open waters for fuel production and to help clean the Chesapeake Bay
 - Linking fuel production to clean-up may be the key to profitability – carbon credits, nitrogen credits, phosphate credits, etc.
 - Next steps for ChAP include: demonstrate enhanced growth in a power plant discharge canal; scale up growth system to ~1 acre system; develop automated harvesting to reach 1 hectare per day; develop biological lysing methods to eliminate all need for drying; continue improving the fermentation process

- **Next meeting – Friday, May 25, 2012 10-noon Room A/B, Watermen’s Hall, VIMS**