

Virginia Institute of Marine Science William & Mary's School of Marine Science

Board of Visitors Committee on Financial Affairs

September 15, 2017

Six Year Plan & Operating Budget Initiatives

Status of Previous Six Year Plan Strategies

Graduate Financial Aid

- Reversed trend of decreasing PhD enrollment by reallocating internal funds, applying additional tuition waivers, and strategically utilizing the additional funds provided by the 2016 General Assembly.

Commonwealth Center for Recurrent Flooding Resiliency

- Provided coordinated research and technical support for planners and decision makers for adaptation to and mitigation of recurrent flooding in Virginia. Leveraged over \$2 million in federal, local, and foundation support to-date!



VIMS' Direct Contributions to Virginia's Economy *Through...*

- Industry Partnerships: Aquaculture Technical Assistance; Fisheries Enhancements; Sustainable Seafood Education; Commercial and Recreational Fisheries Stock Assessments
- Technology and Innovation: Sensor Development; Mapping of offshore sand resources; High-resolution storm surge modeling to inform regional coastal development; Development of bio-degradable products for use in the marine environment
- GO Virginia: VIMS is providing significant input to the Region 6 Economic Growth and Diversification Plan and will facilitate higher education and industry partnerships, and assist with technology and innovation



2018 – 2024 Six Year Plan

High Priority Strategies



Graduate Financial Aid

- Tuition, fees, stipend, and health insurance for SMS students are all covered by either state aid, faculty grants and contracts, or private funds (~\$40,000/student/year) – this is standard practice at our peer institutions
- SMS graduate students are supporting VIMS' state-mandated research and advisory missions, unlike graduate students at traditional universities where they support the undergraduate program via teaching classes
- Increased state graduate financial aid of \$425,000 is vital to program stability and for leveraging additional non-general funds
- Our students graduate debt free and virtually all obtain jobs in marine and environmental science

FY 18 SMS Budget Information:

- \$320,000 GFA – 11%
- \$590,000 E&G – 19%
- \$150,000 Private/Foundation Funds – 5%
- \$2,000,000 Grants & Contracts – 65%

Base Operating Support

- FY 2018 General Fund appropriation (\$20.8 m) is approximately the same as in FY 2008 (\$20.5 m)
- Very successful with specific and targeted initiatives – new faculty positions, Commonwealth Center for Recurrent Flooding Resiliency, Fish Surveys
- 2016 General Assembly provided VIMS with \$500,000 in ongoing general funds that we used to upgrade our campus network and install a new telephone system in FY 17 (one time costs). However, we now have to use those funds as O&M for the new facilities coming online in FYs 18 and 19.
- Needs range from paying for service contracts on scientific equipment purchased through the HEETF, employee professional development training needs, general inflationary increases, etc.

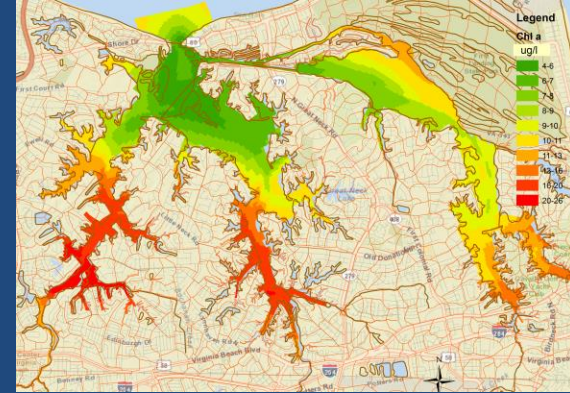
Advanced Water Quality Modeling & Assessment

Gauge Effectiveness of
Public Fund Expenditures



High resolution
modeling

Determine Fate of
Contaminants



Development of Buoys and
Biosensors for Remote
Sampling for TMDLs



Monitor Bay Grasses

- Evaluation of water quality standards by DEQ
- Siting of aquaculture and other in-water activities by VMRC
- Protection of ecologically valuable habitat for crabs and fish



Op Six Comments

- VIMS may want to check with UVA regarding the resiliency research efforts it may be undertaking due to new hire. Perhaps there are collaboration opportunities.
- Response: VIMS, Virginia Sea Grant, and UVA are collaborating to design a team science training program that would build teamwork capacity among coastal ocean and estuarine STEM graduate students.

2018-2020 Operating Budget Requests

Priority	Request	2018-19	2019-20
1	Increase Graduate Financial Aid	\$425,000 GF	\$425,000 GF
2	Base Operating Support	\$912,533 GF 4.70 FTE	\$912,533 GF 4.70 FTE
3	Enhance Chesapeake Bay Water Quality Modeling, Simulation and Modeling	\$771,354 GF 3.55 FTE	\$471,354 GF 3.55 FTE
4	Monitor Bay Grasses	\$294,575 GF 2.05 FTE	\$294,575 GF 2.05 FTE



Questions?

Resolutions 17 & 18 for approval