

**Testimony in SUPPORT of SB0471– Facilitating University Transformations by Unifying  
Reductions in Emissions (FUTURE) Act**

Dear Chairman Pinsky and members of the Education, Health, and Environmental Affairs Committee,

**My name is Dr. Christine Knauss and I support the FUTURE Act SB0471.** I grew up in Baltimore County, attended the University of Maryland, College Park for my bachelors degree, and I recently graduated from the University of Maryland Center for Environmental Science, Horn Point Laboratory. I am a Marylander through and through so I care immensely about the future of our state and its citizens.

**Climate change will not wait for us to act.** With 3,100 miles of shoreline, Maryland is the fourth-most vulnerable state to the effects of sea-level rise which is caused by climate change. Rural communities will also be devastated as increased extreme weather events and changes in climate patterns disrupt planting and harvesting cycles and cause crop and livestock loss. Climate change and air pollutants from fossil fuels additionally make low-income and minority communities more vulnerable to asthma and other pre-existing conditions that exacerbate the effects of diseases like COVID-19. No one in our state will be untouched. We must act swiftly and decisively to protect and restore our climate, so that those that will inherit it can enjoy climate stability.

Institutions of higher education play a leading role in Maryland and around the world as beacons of research and societal progress. Public universities have a responsibility to protect, educate, and create well-rounded and well-informed future leaders of the state. These public institutions have massive carbon footprints due to their high-tech research facilities, energy needs, and transportation needs. **The University System of Maryland emits more carbon than all other state agencies combined.**

Youth are utilizing their agency to remind public research institutions of their guiding principles. This legislation will ensure that universities will lead the way in carbon neutrality, address climate change while addressing climate justice, and empower students and institutions.

**This bill makes Maryland Public Universities leaders in carbon reductions and climate justice by:**

- Requiring carbon neutrality by 2035 (scopes 1 and 2 by 2025)
- Establishing an Environmental and Economic Justice Scholarship Fund for in-state students displaced by climate change or from environmental justice communities
- Facilitating the sharing of best practices and resources through establishing offices of sustainability at each institution
- Conducting a feasibility and implementation study for a sustainability education requirement for each institution

Respectfully,

Dr. Christine Knauss, Ph.D.