Katherine Allen Orono LD 1219

I was born and raised in Maine, and now I teach and conduct research as an associate professor at the University of Maine in Orono. I love my job and am grateful for the opportunity to serve the state as an educator and scientist. This bill could help address many serious issues faced by the UMaine System. The one I will focus on here is the current lack of funding for basic infrastructure and research support that is severely inhibiting our ability to conduct world-class research. For example, we have worked hard to establish advanced analytical facilities, hosting NSF-funded instrumentation worth millions of dollars. These instruments -- including mass spectrometers, used to determine the chemical and isotopic composition of everything from water to shells to rocks -- are constantly at risk due to the lack of backup power to science buildings on campus. Every time the power goes out, these instruments are shut off, vacuum seals are broken, and any ongoing analyses are lost. These constant shocks to delicate instrumentation are harmful, but totally preventable. With an investment in infrastructure, continuous backup power could provide safety and stability, ensuring long-term productivity of these major investments. Some instruments on campus struggle to operate in buildings with shockingly poor or absent temperature and humidity control. Some laboratories become prohibitively hot in the summer months, when research productivity for many groups peaks. Having basic backup power and adequate building climate control are fundamental needs that are standard at most R1 universities. Please consider this bill, which could help close crucial funding gaps and deal with long-deferred maintenance on our aging infrastructure. Our community does an incredible amount of excellent research given our limited resources. Adequate support for basic needs would greatly strengthen our ability to conduct cutting-edge research and give our undergraduate and graduate students world-class research opportunities.