Summary of Candidate’s Professional Background

I am a Researcher at the National Renewable Energy Laboratory (NREL) in Denver, Colorado where I lead research teams, develop programmatic strategy, and am a key technical contributor to hybrid energy system, offshore renewable energy, and power-to-x, and industrial decarbonization topics. My specialty is in reliable and resilient energy systems design, and my work integrates technical, market, and policy factors to understand what key advances need to be made to achieve a modern, equitable, sustainable future energy system. I serve on IEC TC 114: Marine energy – Wave, tidal and other water current converters, in Maintenance Team 101 (“Wave energy resource assessment and characterization”) as well as on Advisory Group (AG) 2. I have served on the Young and Emerging Professionals Committee since 2020 and helped stand up the YEP Mentoring Program. Prior to NREL, I received my doctorate in Mechanical Engineering from Oregon State University as part of the Pacific Marine Energy Center.