Jasmine Cousins joined CSS Energy Solutions (CSSES) in 2023 to become its Chief Operating Officer (COO). She conducts oversight on all operations, involved in business development, coordinates grant proposals, and ensures that all procedures adhere to the compliance of international, federal and state guidelines. Jasmine has an impressive career that combines healthcare and environmental sustainability and protection. Jasmine has always had an admiration and passion for the outdoors. As a child she would spend countless hours exploring, investigating, and discovering the beauties and wonders of nature. With an equal interest in medicine and a strong analytical brain Jasmine earned a bachelor's degree in Pre-med Biology, with a minor in Astrobiology from Hampton University (Hampton, Virginia). She then obtained a master's degree in Ocean, Earth, and Atmospheric Science from Old Dominion University (Norfolk, Virginia). Some of her early research was dedicated to monitoring water quality of the Chesapeake Bay. Through various collaborations with the National Science Foundation (NSF), National Oceanic and Atmospheric Administration (NOAA), and local and federal governments, Jasmine provided essential data to help develop and pass legislation for protecting the Chesapeake Bay watershed. Jasmine's graduate and post-graduate work involved scuba diving, these skills were used to identify and quantify seagrass species of the Chesapeake Bay, Florida Bay, Florida Keys, and Bermuda. She also monitored and assessed the health of various coral reef ecosystems.

Following graduate school Jasmine continued passion for service and science through a direct commissioning into NOAA Corps. As a proud military veteran, she dedicated years of service toward oceanographic research as well as occupational and environmental health and safety. Within NOAA she continued to grow her diving skills by becoming a Dive Master and Dive Medical Officer. With a specialty in Hydrography Jasmine spent her active-duty years advancing ocean mapping, charting, and exploration. As the Operations Officer of the Atlantic Hydrographic Branch of NOAA she integrated new technologies such as multi-beam sonar, geographic information systems (GIS), and submersible and surface autonomous vehicles that improved the efficiency of mapping and shortened the timeline data collection to product delivery. As the lead Scientific Officer on the NOAA ship Thomas Jefferson, Jasmine coordinated the response efforts for Deepwater Horizon (i.e. the catastrophic British Petroleum oil spill in the Gulf of Mexico), looking for anomalies in the water column. Her work with Deepwater Horizon also involved facilitating Hazmat training, equipment deployment, and data analysis of harmful environmental impacts from petroleum and gas. Moreover, her work led to improved safety protocols in the oil/gas exploration industry and enhanced restorative measures following environmental disasters.

While on active-duty Jasmine went back to school to fulfill her other interest in medical care by becoming a registered nurse. After transitioning out of the uniformed service

Jasmine became an operating room nurse. She has had an upward trajectory in her nursing career; she was promoted to nursing management as an Operating Room Nurse Manager. Jasmine has decades of experience with budget, payroll, proposal writing, project management, procedural documentation development, and staffing. In her free time Jasmine enjoys being active with her family, doing anything outdoors.