

ATTACHMENT E

CCAD DEAAG Project Description

Acquisition of portable solar-powered electric vehicle (EV) charging stations for the Corpus Christi Army Depot (CCAD). Two would be funded by DEAAG and two funded by CCAD's Army Working Capital Fund.

CCAD currently operates approximately 280 electric service carts, one Ford Lightning pick-up truck and 19 fueled vehicles. All vehicles are used to transport personnel, tools, and equipment to the 78 buildings operated on Naval Air Station Corpus Christi (NASCC). Vehicles are currently re-charged at various CCAD facilities throughout the base wherever an appropriate plug and outlet are available. When there are power outages, whether from routine maintenance, high coastal winds, tropical storms, floods, or other disasters, CCAD EVs are unable to be re-charged and limit operational efficiency. It is imperative to move personnel, tools, helicopter parts and equipment efficiently and have those vehicles available on-demand to maximize the maintenance and repair of Army helicopters. Movable, solar-powered EV charging stations would benefit operational efficiency and mission readiness of CCAD.

Numerous defense and defense-related agencies have invested in similar sustainable and resilient EV charging station infrastructure, including the Department of Defense, the Marine Corps, National Security Agency, Naval Base San Diego, NAVFAC, the State Department-Office of Inspector General, US Army, and the Department of Homeland Security.

The project would also provide an additional environmental benefit. Nueces County and the Coastal Bend Region are designated as near non-attainment by the U.S. Environmental Protection Agency (EPA) for National Ambient Air Quality Standards (NAAQS). Replacing gas- and diesel-powered vehicles with EVs will have a positive impact on the community's air quality and keep the Coastal Bend Region in compliance with the Clean Air Act.

CCAD is the premiere rotary wing aircraft and component repair facility in the world. Established in 1961, CCAD ensures aviation readiness through overhaul, repair, modification, retrofit, testing, recapitalization, and modernization of helicopters, engines and components. Depot civilian artisans take aging aircraft and transform them into practically new, fully modernized helicopters packed with additional capabilities and cutting-edge technologies to handle anything on the battlefield.

Designated as a Center of Industrial and Technical Excellence for rotary wing aircraft, CCAD has completed world-class maintenance on more than more than 544 aircraft; approximately 3,000 engines and nearly 112,000 helicopter components since 2003 for the UH-60 Black Hawk, CH-47 Chinook, AH-64 Apache, OH-58 Kiowa and the Air Force HH-60 Pave Hawk. This effort includes world-wide, on-site field maintenance teams, analytical crash investigations and chemical material process facilities. CCAD serves as a depot training base for active duty Army and reserve units. CCAD is a valuable resource for aviation and a critical part of the Army's Organic Industrial Base (OIB) as its personnel not only repair damaged aircraft but extend the lives of existing aircraft by restoring and customizing each aircraft, engine, or part to meet the unique requirements of every mission. CCAD's helicopters and components are critical to bases

around the U.S., including Forts Bliss, Campbell, Carson, Hood, and Rucker, and bases around the world, including Afghanistan, Korea, and Germany.

This project reduces the depot's reliance for fueling for depot vehicles and exemplifies the Army's commitment to embracing a reduction in the military's emissions of greenhouse gases. The U.S. military is also the single largest institutional emitter of greenhouse gases (GHGs) on the planet.

The product identified by CCAD is manufactured by BEAM Global of San Diego, CA. Its products are on the U.S. General Services Administration (GSA) Multiple Award Schedule (MAS) Contract Number 47QSWA21D0006 which simplifies the procurement process and ensures best pricing.

An additional benefit of the EV charging station is its usefulness as an aid in disaster preparedness and energy resiliency. First responders could utilize the solar-powered station to deliver critical power supplies for charging communications equipment, tools, and other electric items needed to respond to an emergency. The Federal Emergency Management Agency (FEMA) has included BEAM Global products on its Authorized Equipment List, under designation 10BC-00-SOLR Chargers.