



Energy Conservation Investment Program Validation

Program Manager 256-895-1352

U.S. ARMY CORPS OF ENGINEERS

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Part of the appropriated fund military construction (MILCON) program, but funded separately by the Office of the Secretary of Defense (OSD), Energy Conservation Investment Program (ECIP) projects are designed to dramatically change energy consumption at an installation or joint base, implement renewable energy technologies, and generate and store energy to improve supply resilience for critical loads. ECIP projects are prioritized within four categories: 65 percent of projects are energy efficiency, 25 percent renewable energy and 10 percent water conservation.



Energy Conservation Investment Program solar microgrid project at Fort Hunter Liggett, California, managed by the Sacramento District. A Fiscal Year 2016 ECIP project will add additional rooftop solar panels, as well as a second battery energy storage system, and bring the installation to Net Zero energy once operational.

The U.S. Army Engineering and Support Center, Huntsville's ECIP Validation Program — the Army's ECIP requirements

development experts — provides planning and technical support to the Army by validating all ECIP projects before they are submitted to OSD to compete for funding. Huntsville Center coordinates each ECIP project DD 1391, the form used by the Department of Defense to submit requirements and justifications in support of funding requests for military construction to Congress, with all stakeholders to ensure the best energy projects are competing for the limited funding available. The ECIP team has improved program planning efforts through the use of planning charrettes and ensures the DD 1391 incorporates all requirements.

The Army submitted 27 fully validated ECIP projects valued at \$113 million for the fiscal year 2017 program.

Project Categories for ECIP Validation

Heating, Ventilating and Air Conditioning Systems
Solar
Electrical Energy Systems
Energy Monitoring and Control Systems
Weatherization
Microgrids

Steam and Condensate Systems
Lighting Systems
Boiler Plant Modifications
Energy Recovery Systems
Facility Energy Improvements
Renewable Energy <10GW

Huntsville Center is part of the OSD ECIP Working Group, which includes the Assistant Chief of Staff for Installation Management (ACSIM) and representatives from other services, was asked by OSD to brief the Navy on the Army's ECIP validation process, and was designated by OSD to perform reviews and analysis of the life cycle cost analysis (LCCA) portion of the DD 1391 for all services.

Installation Hotline – ECIP project assistance is available to Army installation energy managers and Directorate of Public Works personnel. Call 256-895-1352.

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