



# Energy Resilience and Conservation Investment Program

Program Manager 256-895-5240

U.S. ARMY CORPS OF ENGINEERS

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The Energy Resilience & Conservation Investment Program (ERCIP) is a subsection of the Defense-Wide Military Construction (MILCON) Program specifically intended to fund projects that save energy and water, reduce DoD's energy costs, improve energy resilience / security, and contribute mission assurance. ERCIP projects are allocated across several categories: Energy Conservation (Renewable Energy, Energy Efficiency, and Water Conservation) and Energy Resilience / Energy Security.



Pictured is an Energy Resilience and Conservation Investment Program solar microgrid project at Fort Hunter Liggett, California, managed by the Sacramento District. A Fiscal Year 2016 ERCIP project added additional rooftop solar panels and a second battery energy storage system.

The U.S. Army Engineering and Support Center, Huntsville's (HNC) ERCIP Validation Program – the Army's ERCIP requirement development experts – provides planning and technical support to the Army by validating all ERCIP projects before they are submitted to OSD to compete for funding. HNC validates project definition, technical feasibility, appropriate technology, estimated energy savings, and associated Life Cycle Cost Analysis (LCCA) by calculating the Savings to Investment Ratio (SIR) and payback years through a comprehensive process that includes:

- 1) Administrative review – Ensuring that the DD1391 (a form utilized by DoD to submit requirements and justifications in support of funding requests for MILCON) is correctly prepared.
- 2) Technical review – Ensuring the installation has the appropriate technology and is economically feasible, utilizing the Biddability; Constructability, Operability, Environmental, & Sustainability (BCOES) process.
- 3) Cost review – Developing a Current Working Estimate (CWE) to ensure that the Programmed Amount (PA) is accurate and budgeted to meet the project requirement.
- 4) Cybersecurity / IT review – Ensuring that cybersecurity language/guidance and proper procedures are stated on the DD1391 to obtain an Authority to Operate (ATO) utilizing the Risk Management Framework (RMF) process. Development of a cost for accessing and authorizing (A&A) for the ATO, and developing cost for the project to be connected to the installation/garrison network for Monitoring & Control features.

HNC is the Army's experts at DD1391 development, and the Validation program can assist installations to develop ERCIP DD1391s. HNC utilizes the USACE Planning Charrette process to develop a DD1391s.

**Installation Hotline: Installation energy managers and Directorate of Public Works personnel interested in learning more about the ERCIP Program may call 256-895-5240.**

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**U.S. Army Corps of Engineers – Engineering and Support Center, Huntsville**  
P.O. Box 1600, Huntsville, AL 35807 Public Affairs Office 256-895-1694  
[www.hnc.usace.army.mil](http://www.hnc.usace.army.mil)

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