

FEMP's Distributed Energy Program

The U.S. Department of Energy (DOE) Federal Energy Management Program's (FEMP) Distributed Energy Program facilitates the implementation of cost-effective, on-site renewable energy and energy storage technologies for federal agencies.

Background

Launched by FEMP in 1986 to support federal agencies implementing renewable energy projects—primarily in remote locations that were using diesel generators for their power supplies—the Distributed Energy Program has evolved to support agencies based on current federal requirements, agency needs and mission, and government best practices related to distributed energy.

Between fiscal years 2008 and 2016, on-site renewable energy generation at federal sites increased by more than 400%, resulting in energy and cost savings, job growth, and increased site resilience.

FEMP's Six-Phase Process for Implementing Distributed Energy Projects

Phase 1 Project Identification	Phase 2 Project Team Formation	Phase 3 Project Validation
Phase 4 Procurement	Phase 5 Construction and Performance	Phase 6 Federal Reporting

FEMP's Distributed Energy Program provides assistance to federal agencies through all of the phases of the distributed energy project implementation process.



FEMP's Distributed Energy Program provides resources and assistance to federal agencies that are implementing federal renewable energy projects. *Photo by Dennis Schroeder/NREL.*

Project Assistance

FEMP's Distributed Energy Program facilitates project assistance and coordination through all phases of the project implementation process for agencies pursuing on-site renewable energy and energy storage projects. Project assistance includes screenings, feasibility studies and project validation, procurement document development and proposal review, operation and maintenance planning, and performance issues.

Resources and Tools

To ensure that all federal agencies have access to comprehensive information about planning and implementing distributed energy projects, FEMP's Distributed Energy Program uses lessons learned from project assistance experiences to

develop and maintain trainings, tools, and best practices documents. These resources promote workforce development of federal staff to decrease project risks and increase the speed of project execution. ■

Key Resources

- **REopt Lite:** Web tool to optimize solar PV and storage for cost savings and resilience.
<https://reopt.nrel.gov>
- **ESPC ESA Toolkit:** Resources and templates for energy savings performance contract (ESPC) energy sales agreements (ESAs).
energy.gov/node/2697114
- **Procurement Specifications Templates for On-Site Solar PV:** Technical specifications for on-site solar PV systems.
energy.gov/node/2245549
- **FEMP Assistance:** Contact Rachel Shepherd at rachel.shepherd@ee.doe.gov or visit www4.eere.energy.gov/femp/assistance.