FY 2026 Military Construction President's Budget Submission, Defense-Wide Distribution Plan
Energy Resilience and Conservation Investment Program (ERCIP) Project List by State/Country

State / Country	Component	Project Title	Project Type	Authorization ($000)	Budget Book Page
California					
Armed Forces Reserve Center, Mountain View	Army Reserves	Power Generation and Microgrid	ER	$20,600	136
Travis Air Force Base	Air Force	Power Generation and Microgrid	ER	$25,120	139
CA Totals		**2 Projects**		**$45,720**	
Florida					
Marine Corps Support Facility Blount Island	USMC	Power Generation and Electrical Infrastructure Resilience	ER	$30,500	142
FL Totals		**1 Project**		**$30,500**	
Massachusetts					
Cape Cod Space Force Station	Space Force	Power Generation and Microgrid	ER	$124,000	145
MA Totals		**1 Project**		**$124,000**	
New Mexico					
White Sands Missile Range	Army	Power Generation and Microgrid	ER	$38,500	152
NM Totals		**1 Project**		**$38,500**	
North Carolina					
Fort Bragg	Army	Power Generation and Microgrid	ER	$80,000	156
NC Totals		**1 Project**		**$80,000**	
Texas					
Camp Swift	ARNG	Smart Water Grid	WR	$19,800	160
Fort Cavazos	Army	Central Energy Plant	ER	$34,500	164
TX Totals		**2 Projects**		**$54,300**	

State / Country	Component	Project Title	Project Type	Authorization ($000)	Budget Book Page
Utah					
Camp Williams	ARNG	Power Generation and Microgrid	ER	$28,500	167
UT Totals		**1 Project**		**$28,500**	
Overseas Projects					
Germany					
United States Army Garrison Ansbach (Storck Barracks)	Army	Power Generation and Microgrid	ER	$73,000	170
Germany Totals		**1 Project**		**$73,000**	
Guam					
Naval Base Guam / Naval Magazine	Navy	Power Generation and Microgrid	ER	$63,010	174
Guam Totals		**1 Project**		**$63,010**	
Japan					
Marine Corps Air Station Iwakuni	USMC	Power Generation and Microgrid	ER	$146,800	177
Japan Totals		**1 Project**		**$146,800**	
		OCONUS ERCIP Construction Project Totals (3)		**$282,810**	
		ERCIP Construction Project Totals (12)		**$684,330**	
		ERCIP Design Funds Total		**$38,669**	
		ERCIP Program Total		**$722,999**	

ER - Energy Resilience projects
WR - Water Resilience projects

FY 2026 Military Construction President's Budget Submission, Defense-Wide Distribution Plan
Energy Resilience and Conservation Investment Program (ERCIP) Project List by Component

Component	Location	State/ Country	Project Title	Project Type	Cost ($000)
Army					
105531	Armed Forces Reserve Center, Mountain View	CA	Power Generation and Microgrid	ER	$20,600
80635	White Sands Missile Range	NM	Power Generation and Microgrid	ER	$38,500
100873	Fort Bragg	NC	Power Generation and Microgrid	ER	$80,000
100354	Camp Swift	TX	Smart Water Grid	WR	$19,800
105529	Fort Cavazos	TX	Central Energy Plant	ER	$34,500
105105	Camp Williams	UT	Power Generation and Microgrid	ER	$28,500
102287	USAG Ansbach (Storck Barracks)	Germany	Power Generation and Microgrid	ER	$73,000
Army Project Totals			**7 Projects**		**$294,900**
DON - Navy					
P-816	Naval Base Guam / Naval Magazine	Guam	Power Generation and Microgrid	ER	$63,010
Navy Projects Total			**1 Project**		**$63,010**
DON - USMC					
P-035	Marine Corps Support Facility Blount Island	FL	Power Generation and Electrical Infrastructure Resilience	ER	$30,500
P-1016	Marine Corps Air Station Iwakuni	Japan	Power Generation and Microgrid	ER	$146,800
USMC Project Total			**2 Projects**		**$177,300**

DAF - Air Force

XDAT233002	Travis Air Force Base	CA	Power Generation and Microgrid	ER	$25,120
Air Force Project Totals			**1 Project**		**$25,120**

DAF - Space Force

DBHQ211077	Cape Cod Space Force Station	MA	Power Generation and Microgrid	ER	$124,000
Space Force Project Total			**1 Project**		**$124,000**

Energy/Water Resilience Projects (14)	**$684,330**
Energy/Water Conservation Projects (0)	**$0**
ERCIP Construction Projects Total (14)	**$684,330**
ERCIP Design Funds Total	**$38,669**
ERCIP Program Total	**$722,999**

ER - Energy Resilience projects
WR - Water Resilience projects

1. COMPONENT Defense Wide – Army/Reserve	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. Installation and Location	4. Project Title:
Armed Forces Reserve Center, Mountain View California	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	105531	20,600

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**15,580**
Primary Power Generation, Photovoltaic (CC81122)	KW	750	5,587	4,190
Power Primary Generation, Diesel (CC81115)	KW	800	4,250	3,400
Fuel Storage Tank, Diesel with Initial Fill (CC12473)	GA	10,000	30	300
Battery Energy Storage System (BESS) and Inverter (CC81160)	MW	.75	2,427,000	1,820
Microgrid Controls	LS	--	--	3,520
Electrical Controls, Switchgear, and Distribution Panels	LS	--	--	1,320
Commissioning	LS	--	--	780
Cybersecurity	LS	--	--	250
SUPPORTING FACILITIES				**1,795**
Electric Service	LS	--	--	1,530
Information Systems	LS	--	--	265
SUBTOTAL				**17,375**
CONTINGENCY (11%)				1,911
TOTAL CONTRACT COST				**19,286**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,254
TOTAL REQUEST				**20,540**
TOTAL REQUEST (ROUNDED)				**20,600**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Construct a resilient microgrid system at the SGT James Witkowski Armed Forces Reserve Center (AFRC) that will have full islanding capability and include a diesel backup generation system, ground-mounted photovoltaic (PV) solar array, and a Battery Energy Storage System (BESS). The microgrid system will include a master microgrid controller and automatic smart switches controlling the generation resources within the AFRC. Microgrid will be installed on a closed restricted network (CRN). Supporting systems include a new electric service and information systems.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT:
Construct a new microgrid that includes a PV array, BESS. and generators.

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army/Reserve	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**		2. Date JUNE 2025
3. Installation and Location Armed Forces Reserve Center, Mountain View California		4. Project Title: Power Generation and Microgrid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 81122	7. PROJECT NUMBER 105531	8. PROJECT COST ($000) 20,600

REQUIREMENT:

The 63rd Readiness Division provides base operations support enabling the operating force to optimize resources towards focus on readiness, training, mobilizing, deploying America's Soldiers to fight, survive, and win our Nation's wars; and to exercise command and control of assigned units. The microgrid will provide resilient power for the 63rd Readiness Division (RD) headquarters, the Defense Innovation Unit (DIU), and the California National Guard which occupy the SGT James Witkowski AFRC. Critical missions include supporting intelligence, medical, emergency, and defense support to civil authorities' operations. The DIU's mission to accelerate commercial innovation to the war fighter by engaging with Silicon Valley, aligning with the technology industry's faster pace, and bringing emerging commercial technologies to the military. The Army Reserve shares the Organizational Maintenance Shop (OMS) with the California National Guard. The OMS is critical to the California National Guard, as it provides support to numerous units in the area. This microgrid project would significantly improve security, resilience, and continuity to the critical operations, will save energy costs for the installation, and will comply with requirements to meet energy security for a minimum of 14 days.

CURRENT SITUATION:

The SGT James Witkowski AFRC currently does not have on-site energy generation capability and is fully reliant on the local utility grid. Historically the SGT James Witkowski AFRC has experienced an average of 8 hours of electrical outages per year. The risk of long duration outages at this site are high due to high potential of earthquakes and wildfires. This location is their only maintenance shop in Silicon Valley.

IMPACT IF NOT PROVIDED:

During an emergency or disaster response, the 63rd Readiness Division's response to provide federal support to Defense Support of Civil Authorities (DSCA) could impact essential operations. The lack of reliable power timely delays to critical functions such as aviation lift, search and rescue or extraction, quartermaster (food, shelter, potable water, heated tents, etc.), civil affairs and public information as well as a significant portion of full-spectrum engineer capability. The lack of a rapid response from the California National Guard would impact any emergencies from San Jose to San Francisco. It will also negatively impact the operations of the 24/7 Emergency Operations Center.

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army/Reserve	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**		2. Date JUNE 2025
3. Installation and Location Armed Forces Reserve Center, Mountain View California		4. Project Title: Power Generation and Microgrid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 81122	7. PROJECT NUMBER 105531	8. PROJECT COST ($000) 20,600

12. SUPPLEMENTAL DATA:	
A. Estimated Execution Data:	
(1) Acquisition Strategy: Design Bid Build	
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	DEC 2020
(b) Percent of Design Completed as of Sep 2024:	65%
(c) Percent of Design Completed as of Jan 2025:	100%
(d) Design or RFP Complete:	SEP 2024
(e) Total Design Cost ($000)	1,000
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	MAR 2026
(b) Construction Start:	MAY 2026
(c) Construction Complete:	MAY 2028
B. Equipment associated with this project which will be provided from other appropriations: N/A	
C. Project Type: ENERGY RESILIENCE	
D. Rationale IAW 10 USC 2914: Currently there is no critical peak power coverage or ability to provide power quality during an outage. This project will provide complete critical peak power coverage for the 63rd RD headquarters facility including DIU and California Guard, along with energy storage to provide power quality improvements during islanding.	

Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Air Force	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Travis Air Force Base Travis site #1, California	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	811145	XDAT233002	25,120

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**18,612**
Electric Power Generation Plant, Photovoltaic (CC 811145)	KW	1,000	7,472	7,472
Battery Energy Storage System (CC 811601)	MW	1.5	1,430,000	2,145
Emergency Electric Power Generation Plant	KW	1,500	2,085	3,128
Electrical Controls, Switchgear, and Distribution	LS	--	3,170,475	3,170
Microgrid Control System	LS	--	2,446,568	2,447
Cybersecurity	LS	--	250,000	250
SUPPORTING FACILITIES				**1,761**
Pavement	CY	1,635	319	522
Site Preparations	LS	--	--	507
Utilities	LS	--	--	310
Anti-Terrorism/Force Protection	LS	--	--	22
Environmental Mitigation	LS	--	--	400
PRIVATIZED UTILITY CONNECTION AND SERVICE FEE				100
SUBTOTAL				**20,473**
CONTINGENCY (11%)				2,252
TOTAL CONTRACT COST				**22,725**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,477
DESIGN/BUILD – DESIGN COST (4%)				909
TOTAL REQUEST				**25,111**
TOTAL REQUEST (ROUNDED)				**25,120**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Construct a resilient microgrid with diverse energy sources to include an Electric Power Generation plant using natural gas, Photovoltaic Array (PV) canopy, and Battery Energy Storage System (BESS). The project includes installing electrical infrastructure upgrades on the airfield side of the Passenger Terminal.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Air Force	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**		2. Date JUNE 2025
3. INSTALLATION AND LOCATION Travis Air Force Base Travis site #1, California		4. PROJECT TITLE: Power Generation and Microgrid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 811145	7. PROJECT NUMBER XDAT233002	8. PROJECT COST ($000) 25,120

PROJECT:
This project includes photovoltaic power generation, a battery energy storage system, natural gas emergency generation, a microgrid control system, and all necessary distribution and switchgear infrastructure.

REQUIREMENT:
Travis Air Force Base requires uninterrupted power to support its airfield operations which supports the largest operations group in the Air Mobility Command in providing strategic airlift and air refueling missions across the globe. Critical missions supported by the airfield include missions that support the 6 Air Refueling Squadron (ARS), 9 ARS, 21st Airlift Squadron, 22 AS, 60th Aeromedical Evacuation Squadron, and 60th Operations Support Squadron (OSS). Microgrid controls allow immediate detection of a loss of commercial power and isolation from the installation's distribution system. Islanded operation to provide electrical power to the airfield will be sustained over long periods of time by the microgrid controller, which will balance the battery's state of charge, PV generation, load, and generator.

CURRENT SITUATION:
The substation that supports the five critical buildings on the airfield do not have a redundant power supply. These five facilities are supplied by the installation's distribution system without adequate backout power leaving them susceptible to prolonged power outages and mission interruption.

IMPACT IF NOT PROVIDED:
The generators that provide backup power to critical airfield operations require refueling which could become an issue in a long duration outage with limited fuel storage and potential refueling disruptions. The lack of power to the airfield would delay operations.

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy: Design Bid Build

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Air Force	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA		2. Date JUNE 2025
3. INSTALLATION AND LOCATION Travis Air Force Base Travis site #1, California		4. PROJECT TITLE: Power Generation and Microgrid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 811145	7. PROJECT NUMBER XDAT233002	8. PROJECT COST ($000) 25,120

(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	AUG/2025
(b) Percent of Design Completed as of Sep 2024:	100%
(c) Percent of Design Completed as of Jan 2025:	100%
(d) Design or RFP Complete:	JUN/2026
(e) Total Design Cost ($000)	1,500
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	SEP/2026
(b) Construction Start:	MAR/2027
(c) Construction Complete:	DEC/2028

B. Equipment associated with this project which will be provided from other appropriations: N/A

C. Project Type: ENERGY RESILIENCE

D. Rationale IAW 10 USC 2914: The microgrid and associated controls would allow electricity to be supplied from multiple directions and sources at the same time, so that an interruption from one source would not affect other sources or downtime from the loss of one or more power sources. The power to all critical mission functions would continue without disruption. This project will provide multiple levels of redundancy for power supply to all critical mission facilities, as well address weakness in the existing on base power distribution grid and create redundancy in the power supplied. The control system will allow direct monitoring of the system without having to field diagnosis issues.

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Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. Component	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA	2. Date
Defense Wide – USMC		JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Marine Corps Support Facility Blount Island Jacksonville, Florida	Power Generation and Electrical Infrastructure Resilience

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81150	P-035	30,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**23,512**
Electric Power Photovoltaic System (CC 81150)	KW	1,000	13,948	13,948
Battery Energy Storage System (CC 81162)	MW	1.125	3,060,80	3,443
Standby Generator Plant (CC 81160)	KW	4,000	0	3,320
Conversion of Backup Generators to Dual Fuel	KW	1,500	830	930
Electrical Distribution	LS	--	620	690
Advanced Meters	EA	15	--	210
Risk Management Framework (Cybersecurity)	LS	--	14,000	358
Commissioning	LS	--	--	245
Operation & Maintenance Support Info (OMSI)	LS	--	--	368
SUPPORTING FACILITIES				**1,161**
Pavements	LS	--	--	387
Site Preparations	LS	--	--	774)
SUBTOTAL				**24,673**
CONTINGENCY (11%)				2,714
TOTAL CONTRACT COST				**27,387**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,780
DESIGN/BUILD – DESIGN COST (4%)				1,095
TOTAL REQUEST				**30,262**
TOTAL REQUEST (ROUNDED)				**30,500**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Constructs dual fuel generators, ground- and roof-mount solar photovoltaic (PV) systems, battery energy storage systems, and with associated connections and transfer switches. Convert four existing diesel-fired generators to dual fuel (diesel and natural gas), upgrade electrical infrastructure and install electric and gas meter systems. Additional work includes cybersecurity, commissioning, and OMSI. Supporting facility work includes pavements and site preparation.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

1. Component	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA	2. Date
Defense Wide – USMC		JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Marine Corps Support Facility Blount Island Jacksonville, Florida	Power Generation and Electrical Infrastructure Resilience

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81150	P-035	30,500

PROJECT:
This project provides on-site energy generation and the conversion of existing diesel generators to dual-fuel generators to support the electrical infrastructure to critical missions.

REQUIREMENT:
The Marine Corps Support Facility Blount Island (MCSF-BI) mission is to support the Blount Island Command's Maritime Preposition Force (MPF) and growing Global Positioning Network program whose mission is to support worldwide military operations through planning, coordinating, and executing the logistics efforts of the MPF program. This includes the loading and offloading of munitions, material, and combat equipment from Military Sealift Command ships while moored in the slipway, and maintenance, replacement, and tracking of those items. This project is required to improve energy availability and its ability to operate energy systems during normal and contingency operations and deliver on its mission to support Fleet Marine Forces by providing Marine warfighters worldwide with the best combat-ready equipment and supplies in the world to enable the rapid arrival and assembly of Marine Air Ground Task Forces.

CURRENT SITUATION:
The installation is vulnerable to hurricanes and flooding as an island in the Jacksonville, Florida waterway. There are electrical system deficiencies that could impede readiness and the ability to sustain mission during normal and contingency operations.

IMPACT IF NOT PROVIDED:
MCSF-BI will continue to rely primarily on the grid power supply and electrical distribution system for operations. Power outages will continue to have a significant impact on mission critical facilities needed to support and execute crisis response, global reach and forward presence. This is a cause for concern given the installation's vulnerability to natural hazards (e.g., river-line and coastal flooding, hurricanes, hurricane winds, hurricane precipitation, and tornadoes). Outages (both short and extended) will delay equipment production. Backup power generators at critical facilities will be restricted to the availability of diesel fuel, which will be limited in a regional or long-term power disruption without making them dual fuel.

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy: Design Build

1. Component	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA	2. Date
Defense Wide – USMC		JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Marine Corps Support Facility Blount Island Jacksonville, Florida	Power Generation and Electrical Infrastructure Resilience

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81150	P-035	30,500

(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	JUN/2023
(b) Percent of Design Completed as of Sep 2024:	30%
(c) Percent of Design Completed as of Jan 2025:	35%
(d) Design or RFP Complete:	DEC/2025
(e) Total Design Cost ($000):	3,579
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	Yes
(3) Construction Data:	
(a) Contract Award:	JUL/2026
(b) Construction Start:	MAY/2027
(c) Construction Complete:	MAY/2028

B. Equipment associated with this project which will be provided from other appropriations: N/A

C. Project Type: ENERGY RESILIENCE

D. Rationale IAW 10 USC 2914: This project supports mission assurance and mission critical functions by providing more reliable, resilient, and efficient power to critical facilities to support the mission to provide warfighters with the best combat-ready equipment and supplies to enable the rapid arrival and assembly of Marine Air Ground Task Forces. This is accomplished by installing solar PV generation and battery storage, adding new dual fuel generators, and converting generators to dual fuel to ensure fuel availability. This project also addresses known energy security requirements including energy reliability, resilience, and efficiency by installing and cybersecure onsite power generation and storage assets.

Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Space Force	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025
3. INSTALLATION AND LOCATION Cape Cod Space Force Station Cape Cod Site #1 Massachusetts	4. PROJECT TITLE: Power Generation and Microgrid	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	811147	DBHQ211077	124,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**96,920**
Electrical Power Generation Plant (CC 811147)	KW	8,000	1,112	8,896
Electric Power Station Building (CC 811149)	LS	--	66,032	66,032
Battery Energy Storage System (CC 811601)	MW	4	1,433	5,732
Primary Distribution Line Underground (CC 812225)	LS	--	8,409	8,409
Microgrid Control System	LS	--	6,851	6,851
Cybersecurity	LS	--	1,000	1,000
SUPPORTING FACILITIES				**7,501**
Building Maintenance Services	LS	--	--	1,678
Site Work and Utilities	LS	--	--	2,871
Site Improvement	LS	--	--	2,952
PRIVATIZED UTILITY CONNECTION AND SERVICE FEE				275
SUBTOTAL				**104,696**
CONTINGENCY (11%)				11,517
TOTAL CONTRACT COST				**116,213**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				7,554
TOTAL REQUEST				**123,767**
TOTAL REQUEST (ROUNDED)				**124,000**
OTHER APPROPRIATIONS OR FUNDING SOURCES (NON-ADD)				31,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a resilient microgrid with diverse energy sources to include a power generation plant, battery energy storage system, underground electrical distribution lines, and switchgear. This project includes new transformers, underground electrical distribution, diesel generators, Supervisory Control and Data Acquisition controls, and a microgrid control system to interconnect with the existing on-site wind generation turbine. This project includes all associated electrical cables, communications fiber optic cables, duct banks, transformers, metering, and equipment for power generation, and load management functions to support the power generation, distribution, and communications systems. It also includes all necessary modifications to the power station building facility enclosure to support new equipment configuration and emplacement.

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Space Force	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**		2. Date JUNE 2025
3. INSTALLATION AND LOCATION Cape Cod Space Force Station Cape Cod Site #1 Massachusetts		4. PROJECT TITLE: Power Generation and Microgrid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 811147	7. PROJECT NUMBER DBHQ211077	8. PROJECT COST ($000) 124,000

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT: This project will install additional power generation, battery energy storage system, uninterrupted power source, electrical primary distribution and switchgear with microgrid controls for system interconnection with existing renewable generation.

REQUIREMENT: Space Force requires PAVE Phased Array Warning System (PAVE PAWS) radar facility to be in accordance with the Uptime Institute's requirements for a Tier IV facility. Fundamentally, a Tier IV facility provides two isolated paths of power to every piece of equipment or its redundant. This project will provide multiple levels of redundancy for power supply to all critical mission facilities, as well address weakness in the existing on base power distribution grid and create redundancy in the power supplied.

CURRENT SITUATION:
The existing electrical components are maintained by government contractor. Parts for the equipment are no longer available due to the age of the equipment. Switchgears and breaker models have been discontinued by manufacturer. Spare parts cannot be ordered. Maintenance teams must cannibalize existing equipment to provide functional components. Phasing issues and ground fault conditions exist; lowering the quality and efficiency of power supplied to the radar, computer, and associated systems. Design is paramount in the determination of compatibility, dependability, and efficiency. Several failures have already occurred resulting in damage to the uninterrupted power source circuit board, transformers, breakers, and power distribution components.

IMPACT IF NOT PROVIDED:
Unplanned or reactive response to loss of power switching equipment (vital to commercial and generator power sources) will remove services provided by PAVE PAWS radar to the United States east coast.

12. SUPPLEMENTAL DATA:	
A. Estimated Execution Data:	
(1) Acquisition Strategy: Design Bid Build	
(2) Design Data: (a) Design or Request for Proposal (RFP) Started:	SEP/2025

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Space Force	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Cape Cod Space Force Station Cape Cod Site #1 Massachusetts	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	811147	DBHQ211077	124,000

(b) Percent of Design Completed as of Sep 2024	35%
(c) Percent of Design Completed as of Jan 2025:	35%
(d) Design or RFP Complete:	AUG/2026
(e) Total Design Cost ($000)	9,400
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	JUL/2026
(b) Construction Start:	OCT/2026
(c) Construction Complete:	APR/2029

B. Equipment associated with this project which will be provided from other appropriations:

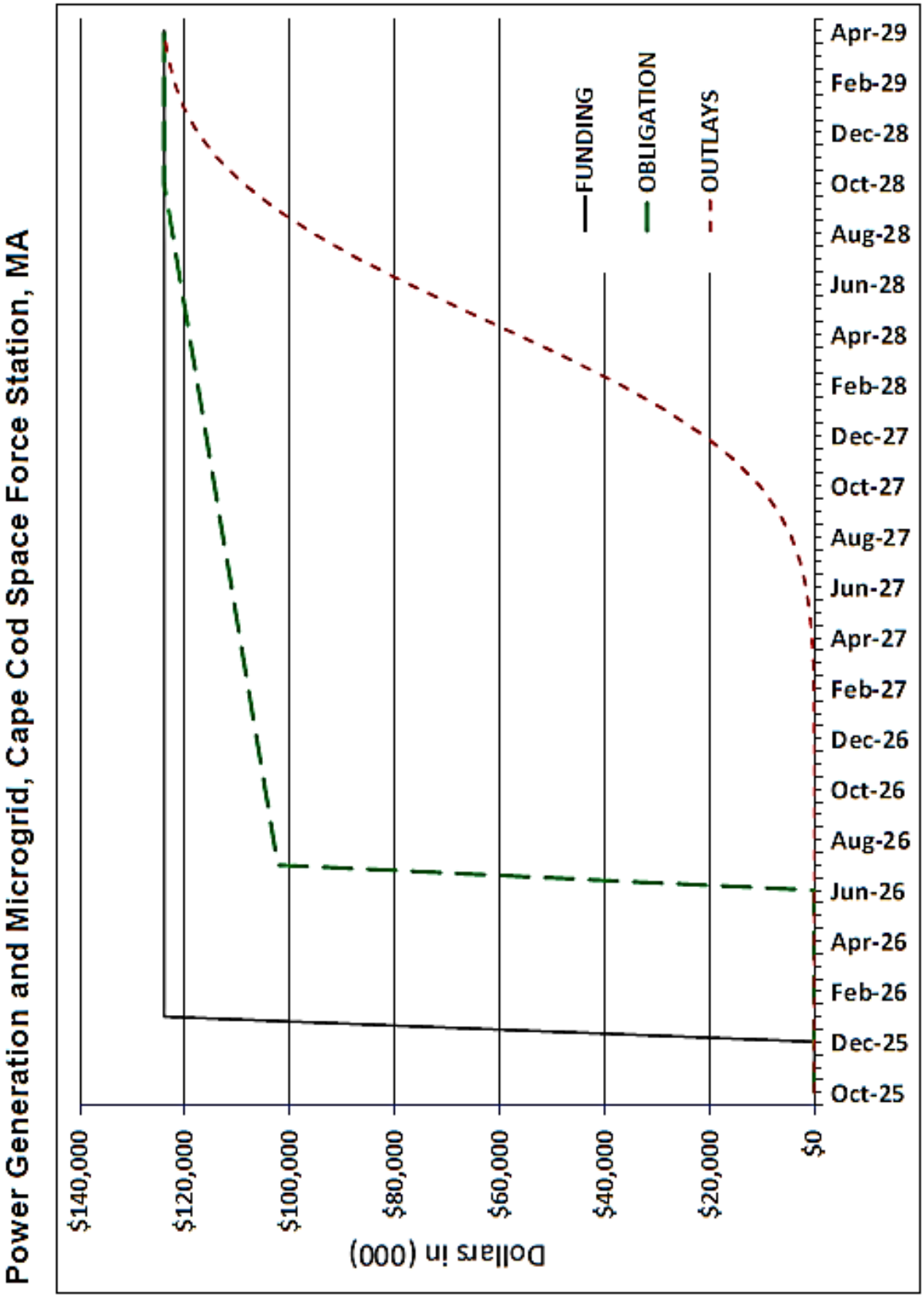
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
High-Altitude Electromagnetic Pulse (HEMP) Protection	Proc	2026	$26,175
Uninterrupted Power Source	Proc	2026	$4,590
Facility Security System	Proc	2026	$235

C. Project Type: ENERGY RESILIENCE

D. Rationale IAW 10 USC 2914: The microgrid and associated controls would allow electricity to be supplied from multiple directions and sources at the same time, so that an interruption from one source would not affect other sources or downtime

1. COMPONENT Defense Wide – Space Force	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA		2. Date JUNE 2025
3. INSTALLATION AND LOCATION Cape Cod Space Force Station Cape Cod Site #1 Massachusetts		4. PROJECT TITLE: Power Generation and Microgrid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 811147	7. PROJECT NUMBER DBHQ211077	8. PROJECT COST ($000) 124,000
from the loss of one or more power sources. This project provides redundancy that ensures the power to all critical mission functions would continue without disruption. The control system will allow direct monitoring of the system without having to field diagnosis issues. Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization) 703-843-0159			

DD FORM 1391, JUL 1999


Power Generation and Microgrid, Cape Cod Space Force Station, MA
Dollars in (000)
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$0
Oct-25
Dec-25
Feb-26
Apr-26
Jun-26
Aug-26
Oct-26
Dec-26
Feb-27
Apr-27
Jun-27
Aug-27
Oct-27
Dec-27
Feb-28
Apr-28
Jun-28
Aug-28
Oct-28
Dec-28
Feb-29
Apr-29
FUNDING
OBLIGATION
OUTLAYS

PROJECT SPENDING PLAN

PROJECT: FY26 Power Generation and Microgrid, Cape Cod Space Force Station, MA

As of: June 5, 2025

All costs in thousands ($000)

	FUNDING		OBLIGATIONS		OUTLAYS	
Month - Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Oct-25	$ -	$ -	$ -	$ -	$ -	$ -
Nov-25	$ -	$ -	$ -	$ -	$ -	$ -
Dec-25	$ -	$ -	$ -	$ -	$ -	$ -
Jan-26	$ 124,000	$ 124,000	$ -	$ -	$ -	$ -
Feb-26	$ -	$ 124,000	$ -	$ -	$ -	$ -
Mar-26	$ -	$ 124,000	$ -	$ -	$ -	$ -
Apr-26	$ -	$ 124,000	$ -	$ -	$ -	$ -
May-26	$ -	$ 124,000	$ -	$ -	$ -	$ -
Jun-26	$ -	$ 124,000	$ -	$ -	$ -	$ -
Jul-26	$ -	$ 124,000	$ 102,300	$ 102,300	$ -	$ -
Aug-26	$ -	$ 124,000	$ 804	$ 103,104	$ -	$ -
Sep-26	$ -	$ 124,000	$ 804	$ 103,907	$ -	$ -
Oct-26	$ -	$ 124,000	$ 804	$ 104,711	$ -	$ -
Nov-26	$ -	$ 124,000	$ 804	$ 105,515	$ 7	$ 7
Dec-26	$ -	$ 124,000	$ 804	$ 106,319	$ 16	$ 24
Jan-27	$ -	$ 124,000	$ 804	$ 107,122	$ 34	$ 58
Feb-27	$ -	$ 124,000	$ 804	$ 107,926	$ 68	$ 125
Mar-27	$ -	$ 124,000	$ 804	$ 108,730	$ 130	$ 255
Apr-27	$ -	$ 124,000	$ 804	$ 109,533	$ 238	$ 493
May-27	$ -	$ 124,000	$ 804	$ 110,337	$ 417	$ 910
Jun-27	$ -	$ 124,000	$ 804	$ 111,141	$ 697	$ 1,607
Jul-27	$ -	$ 124,000	$ 804	$ 111,944	$ 1,116	$ 2,723
Aug-27	$ -	$ 124,000	$ 804	$ 112,748	$ 1,707	$ 4,430
Sep-27	$ -	$ 124,000	$ 804	$ 113,552	$ 2,498	$ 6,928
Oct-27	$ -	$ 124,000	$ 804	$ 114,356	$ 3,495	$ 10,422
Nov-27	$ -	$ 124,000	$ 804	$ 115,159	$ 4,675	$ 15,098
Dec-27	$ -	$ 124,000	$ 804	$ 115,963	$ 5,981	$ 21,079
Jan-28	$ -	$ 124,000	$ 804	$ 116,767	$ 7,316	$ 28,395
Feb-28	$ -	$ 124,000	$ 804	$ 117,570	$ 8,558	$ 36,953
Mar-28	$ -	$ 124,000	$ 804	$ 118,374	$ 9,571	$ 46,524
Apr-28	$ -	$ 124,000	$ 804	$ 119,178	$ 10,236	$ 56,761
May-28	$ -	$ 124,000	$ 804	$ 119,981	$ 10,468	$ 67,229
Jun-28	$ -	$ 124,000	$ 804	$ 120,785	$ 10,236	$ 77,465
Jul-28	$ -	$ 124,000	$ 804	$ 121,589	$ 9,571	$ 87,036
Aug-28	$ -	$ 124,000	$ 804	$ 122,393	$ 8,558	$ 95,594
Sep-28	$ -	$ 124,000	$ 804	$ 123,196	$ 7,316	$ 102,910

PROJECT SPENDING PLAN

PROJECT: FY26 Power Generation and Microgrid, Cape Cod Space Force Station, MA

As of: June 5, 2025

All costs in thousands ($000)

	FUNDING		OBLIGATIONS		OUTLAYS	
Month - Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Oct-28	$ -	$ 124,000	$ 804	$ 124,000	$ 6,181	$ 109,092
Nov-28	$ -	$ 124,000	$ -	$ 124,000	$ 4,875	$ 113,967
Dec-28	$ -	$ 124,000	$ -	$ 124,000	$ 3,695	$ 117,662
Jan-29	$ -	$ 124,000	$ -	$ 124,000	$ 2,598	$ 120,259
Feb-29	$ -	$ 124,000	$ -	$ 124,000	$ 1,807	$ 122,067
Mar-29	$ -	$ 124,000	$ -	$ 124,000	$ 1,216	$ 123,282
Apr-29	$ -	$ 124,000	$ -	$ 124,000	$ 718	$ 124,000

1. COMPONENT Defense Wide – Army/Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
White Sands Missile Range New Mexico	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	80635	38,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**24,570**
Primary Power Generation, Photovoltaic (CC81122)	KW	600	13,250	7,950
Primary Power Generation, Gas Fired (CC81117)	KW	670	6,179	4,140
Battery Energy Storage System (BESS) (CC81160)	MW	.5	13,660,000	6,830
Microgrid Controls	LS	--	--	2,100
Transformers, Switchgear, Switches, and Breakers	LS	--	--	1,100
Reverse Osmosis Line Starter Control Panels	LS	--	--	900
Commissioning and Testing	LS	--	--	800
Interconnection Fees	LS	--	--	250
Environmental and Air Permitting	LS	--	--	250
Cybersecurity	LS	--	--	250
SUPPORTING FACILITIES				**7,860**
Electric Service	LS	--	--	990
Water, Sewer, Gas	LS	--	--	4,000
Site Improvements	LS	--	--	720
Information Systems	LS	--	--	2,150
SUBTOTAL				**32,430**
CONTINGENCY (11%)				3,567
TOTAL CONTRACT COST				**35,997**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				2,340
TOTAL REQUEST				**38,337**
TOTAL REQUEST (ROUNDED)				**38,500**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a resilient microgrid with diverse energy sources to include propane generators, a solar photovoltaic (PV) array mounted on new carports, and a BESS. The PV carport solar array will require new electrical distribution lines and a fiber connection to the microgrid. An existing fence at the proposed location of the microgrid equipment yard will be extended. The PV carport solar system and BESS will include solar panels, racking system, inverters, distribution lines, transformers, controls and communication, AC/DC wiring with conduit, wind breakers/deflectors as necessary and security measures. The PV carport solar array shall have exterior lighting attached so that the parking area is illuminated at night. The project will also require replacement of the Reverse Osmosis (RO)

1. COMPONENT Defense Wide – Army/Active	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
White Sands Missile Range New Mexico	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	80635	38,500

line starter control panels with reduced voltage soft starters and variable frequency drives for the RO pumps.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT:
This project will construct a secure integrated feeder level microgrid including a smart grid control system, carport mounted PV solar array, propane generators, and a BESS.

REQUIREMENT:
White Sands Missile Range (WSMR) is a Test and Evaluation Command Installation operated primarily for the support of research, development, testing, and evaluation of weapon and space systems, subsystems, and components. WSMR is almost 3,200 square miles (8,300 km2) in area and is the largest Army installation in the United States. The requirement is to construct a microgrid system capable of islanding key facilities in the Stallion Range area, which is approximately 100 miles north of the main installation campus, to support 12 facilities. Four of the 12 facilities in the Stallion area are mission critical. The microgrid system will be on a government-owned electrical distribution line, downstream from the electrical distribution line owned by Socorro Electric Cooperative.

This project will reduce downtime from power outages, improve energy security, and enhance resilience for the Stallion Range area. As a voltage drop is detected on the main Socorro Electric Cooperative power line, the microgrid controller will direct the isolation breaker switches to activate (close and/or open according to the control algorithms). The microgrid controller will manage the power sources and supply power to critical facilities using the propane generators and/or PV array, and/or battery energy storage system (BESS), as available and required. The PV will operate whenever conditions are appropriate to generate power, especially during high peak times to reduce demand charges.

CURRENT SITUATION:
The Stallion main cantonment area is fed power from Socorro Electric Cooperative's electrical power line. Over the years the area has had poor power quality and reliability problems. The utility has reported 41 outages in the past 5 years, averaging 8.2 annual outages. The average duration of the reported outages was 5 hours and 32 minutes. Some of the reasons for the outages have included wind, broken poles, snow/ice, and lightning damage. The Installation Energy Plan indicated that a short-term need for Stallion was more power and capital investments to improve the assured access of resource supply, resource usage and cost, and infrastructure condition. In addition, it noted that along

1. COMPONENT Defense Wide – Army/Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
White Sands Missile Range New Mexico	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	80635	38,500

with old unreliable infrastructure, some critical mission facilities such as the wastewater treatment plant, is without any type of backup power. The reverse osmosis plant treats the water to be suitable for human consumption.

IMPACT IF NOT PROVIDED:
The test and evaluation missions are negatively impacted when test events are interrupted due to the loss of power occurring from an outage. The project mitigates the risk of the Stallion Range area being without energy and potable water for critical missions. If water was needed and could not be pumped by the plant, water would have to be trucked in from alternate locations, 50-100 miles away. This is very costly and logistically inefficient since Stallion Range is part of a large open-range, and isolated area.

12. SUPPLEMENTAL DATA:	
A. Estimated Execution Data:	
(1) Acquisition Strategy: Design Bid Build	
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	MAY/2023
(b) Percent of Design Completed as of Sep 2024:	65%
(c) Percent of Design Completed as of Jan 2025:	100%
(d) Design or RFP Complete:	SEP/2024
(e) Total Design Cost ($000)	5,700
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	MAR/2026
(b) Construction Start:	MAY/2026
(c) Construction Complete:	MAY/2028
B. Equipment associated with this project which will be provided from other appropriations: N/A	
C. Project Type: ENERGY RESILIENCE	

1. COMPONENT Defense Wide – Army/Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
White Sands Missile Range New Mexico	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	80635	38,500

D. Rationale IAW 10 USC 2914: This project will increase on-site energy generation using renewable energy generation and gas-fired generation, reduce downtime from power outages, improve energy security, and enhance resilience for the Stallion Range area.

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Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide Army / Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Fort Bragg North Carolina	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	100873	80,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**61,728**
Power Generation, Photovoltaic (CC81122)	KW	4,000	3,800	15,200
Battery Energy Storage System and Inverter	MW	2	5,284,000	10,568
(CC81160)	KW	6,000	3,265	19,590
Power Generation, Diesel (CC81115)	GA	100,000	24	2,400
Fuel Tank, Diesel with Initial Fill (CC12473)	LS	--	--	2,710
Industrial Control Systems	LS	--	--	5,230
Transformers, Switchgear, Switches and Breakers	LS	--	--	3,410
Primary Distribution Line Underground	LS	--	--	1,030
Commissioning and Testing	LS	--	--	690
Interconnection Agreement and Engineering Studies	LS	--	--	650
Environmental and Air Permitting	LS	--	--	250
Cybersecurity				
SUPPORTING FACILITIES				**3,400**
Water, Sewer, Gas	LS	--	--	1,810
Site Improvements	LS	--	--	720
Facility Information Systems	LS	--	--	870
SUBTOTAL				**65,128**
CONTINGENCY (11%)				7,164
TOTAL CONTRACT COST				**72,292**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				4,699
DESIGN/BUILD – DESIGN COST (4%)				2,892
TOTAL REQUEST				79,883
TOTAL REQUEST (ROUNDED)				**80,000**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a resilient microgrid with diverse energy sources to include diesel generator(s) for emergency operations with fuel storage and fuel polishing system, a fixed-tilt ground mounted photovoltaic (PV) solar array along with a Battery Energy Storage System (BESS). The microgrid system will be capable of islanding the Security Operations Training Facility (SOTF) compound from the Fort Bragg distribution system and providing resilient power to critical loads with new generation sources. The microgrid system will include a master controller, synchronization controllers, automatic

1. COMPONENT Defense Wide Army / Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Fort Bragg North Carolina	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	100873	80,000

transfer switches, transformers, reclosers, inverters, rectifiers, underground electrical with conduit, and information systems. Protective relay controls will be added to the existing diesel generator so that it may be incorporated into the microgrid. The existing uninterruptable power supply systems will also be incorporated into the new microgrid. The microgrid will be installed on a closed restricted network. The isolating switches will isolate a portion of the grid by interfacing with an existing Supervisory Control and Data Acquisition system. Project will also include an interconnect agreement with the Privatized Utility Provider Sandhills Utility Services, Limited Liability Corporation (LLC) (Sandhills).

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT:
Construct on-site power generation with a microgrid system capable of islanding the SOTF compound from the Fort Bragg distribution system and providing resilient power for critical loads during utility outages.

REQUIREMENT:
SOTF mission is to develop and employ the world's finest Special Operation Forces (SOF) to conduct global special operations and activities as part of the Joint Force, in concert with the U.S Government Interagency, Allies, and Partners, to support persistent, networked, and distributed combatant command operations and campaigns against state and non-state actors all to protect and advance U.S policies and objectives. To maintain mission readiness, the critical mission identified must be operable during an extended grid outage. Any power disruption of the utility grid lasting longer than two to four days would have a negative impact on the critical missions of study, development, training, and execution of special operations missions worldwide. The microgrid will provide power to critical missions within the SOTF compound during an electrical outage for a command center, data facilities, headquarters facility, critical unit facilities, and logistics facilities. The microgrid supports 100% of mission critical load for SOTF.

CURRENT SITUATION:
SOTF existing power is provided by two separate substation circuits via electrical infrastructure. The electrical infrastructure has been privatized to Sandhills. Sandhills owns, operates, and maintains the electrical infrastructure on the SOTF compound. During grid outages, building level backup diesel generators provide temporary power. The existing generators are not designed to run full load during a prolonged outage event. An independent power source is required to reduce the potential risk to SOTF from electrical interruptions. The project addresses existing deficiencies in the electrical system and

1. COMPONENT Defense Wide Army / Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Fort Bragg North Carolina	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	100873	80,000

will reduce the total amount of greenhouse gas output. The project will ensure continuity of operations and mission command during manmade and natural emergencies resulting from an extended grid outage and will support SOTF's ability to recover and execute its direct support to the Army and DoD missions.

IMPACT IF NOT PROVIDED:
The lack of an independent power source from the grid will inhibit SOTF's ability to recover after known natural and man-made vulnerabilities such as cyber-attacks on the power grid and will not be able to sustain mission critical facilities for at least 14 days during grid outages.

12. SUPPLEMENTAL DATA:	
A. Estimated Execution Data:	
(1) Acquisition Strategy: Design Build	
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	MAR/2024
(b) Percent of Design Completed as of Sep 2024:	0%
(c) Percent of Design Completed as of Jan 2025:	35%
(d) Design or RFP Complete: Ready for Solicit for construction:	SEP/2025
(e) Total Design Cost ($000)	10,740)
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	MAR/2026
(b) Construction Start:	MAY/2026
(c) Construction Complete:	MAY/2028
B. Equipment associated with this project which will be provided from other appropriations: N/A	
C. Project Type: ENERGY RESILIENCE	
D. Rationale IAW 10 USC 2914: This project directly remediates disruption risks to critical missions and facilities and enhances installation energy security and reliability through the installation of generators, Solar PV, and BESS,	

1. COMPONENT Defense Wide Army / Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**		2. Date JUNE 2025
3. INSTALLATION AND LOCATION Fort Bragg North Carolina		4. PROJECT TITLE: Power Generation and Microgrid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 81122	7. PROJECT NUMBER 100873	8. PROJECT COST ($000) 80,000

providing reliable, 24-hour per day power for at least 14 days. The microgrid controls and automatic switches will allow the SOTF compound to be isolated and powered during a grid outage. The BESS will also optimize the operation of the generation assets and smooth the intermittence of the PV.

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Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army National Guard	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Camp Swift Texas	Smart Water Grid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	100354	19,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**16,415**
Primary Power Generation, Photovoltaic (CC81122)	KW	300	17,010	5,103
Water Well, Pumps, & Purification System	LS	--	--	4,694
(CC84130)	MW	.6	4,630,000	2,778
Battery Energy Storage System (CC81160)	GA	100,000	13	1,300
Potable Water Storage Tank	KW	500	1,932	966
Natural Gas Generator (CC81117)	LS	--	--	431
Microgrid Controls	LS	--	--	420
Commissioning and Testing	LS	--	--	473
Environmental and Air Permitting	LS	--	--	250
Cybersecurity				
SUPPORTING FACILITIES				**316**
Water, Sewer, Gas Integration	LS	--	--	168
Pavements	LS	--	--	53
Site Improvements	LS	--	--	95
SUBTOTAL				**16,731**
CONTINGENCY (11%)				1,840
TOTAL CONTRACT COST				**18,571**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,207
TOTAL REQUEST				**19,778**
TOTAL REQUEST (ROUNDED)				**19,800**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a secure, integrated, feeder-level Water Microgrid (WMG) capable of islanding the water and electrical service of the Camp Swift's TA-1 cantonment area in support of 3,000 Texas Army National Guard (TXANG) soldiers for 14 days of operations. The water microgrid will harvest, purify, and distribute water across Camp Swift under its own power. The water microgrid system will include a natural gas generator, a photovoltaic (PV) solar array, and a Battery Energy Storage System (BESS). The microgrid system will include a master microgrid controller, synchronization controllers, and automatic transfer switches controlling the generation resources within Camp Swift. The water distribution infrastructure will integrate into the existing water distribution piping infrastructure behind

1. COMPONENT Defense Wide – Army National Guard	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**		2. Date JUNE 2025
3. INSTALLATION AND LOCATION Camp Swift Texas		4. PROJECT TITLE: Smart Water Grid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 81122	7. PROJECT NUMBER 100354	8. PROJECT COST ($000) 19,800

the existing municipal owned/managed water meters. The water for the water microgrid will be sourced and stored from a single water well, and a storage tank is proposed to be located in the southwest corner of the cantonment area of TA-1.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT:
Construct a secure, integrated, feeder-level WMG using an intelligent grid control system that will allow the WMG to dynamically manage onsite water resources and match electricity generation to meet critical load requirements of Camp Swift.

REQUIREMENT:
Camp Swift is the primary capability projection platform for both overseas contingency operations and defense support to civil authorities (DSCA) operations for the TXARNG. It supports numerous mission-critical functions, including pre-mission preparation, pre-deployment training, reception, staging, onward integration (RSOI), mission command, logistical support activities, and life support functions. Besides supporting numerous mission critical functions, Camp Swift hosts several high operational tempo (OPTEMPO) units and capabilities, including the 272nd Engineer Vertical Construction Company. The Water Microgrid will integrate with the microgrid and Building Automation and Controls/Utility Monitoring and Controls System Program to increase the overall resilience and enhance the readiness of the TXARNG through improved mission assurance.

CURRENT SITUATION:
The site of this project on Camp Swift is owned by the Department of Army and operated by the TXARNG. Camp Swift currently purchases its water from Aqua Water Supply Corporation. According to the TXARNG Installation Energy and Water Plan (IEWP), the installation has multiple water utility connection points at each cantonment area. TA-1 has suffered from sewage and water pressure challenges. Water pressure has reduced over time in the area and has therefore led to issues with backed-up sewers. Camp Swift received a failing rating for having the ability, technology, equipment, and energy source available on-site to supply the potable water needed to support critical missions for a minimum of 14 days. Camp Swift does not have access to a contingency water supply and received a failing rating when assessing the installation's ratio of water demand compared to it available primary municipal provided supply. The current water management infrastructure supporting Camp Swift does not incorporate/utilize any cybersecurity in the controls of the system. The overall condition of the installation's water main received a failing rating that imposes an "unacceptable risk" to the water security of the installation.

1. COMPONENT Defense Wide – Army National Guard	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Camp Swift Texas	Smart Water Grid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	100354	19,800

IMPACT IF NOT PROVIDED:
The increased frequency of drought, forest fires, higher average temperatures, increased intensity and duration of freezing weather, and the increased potential for electrical outages in the future require immediate action. Without this project, the TXARNG will be at significant risk for not effectively performing mission-critical functions to support Defense Support to Civil Authorities, Civil Support, or Contingency Operation missions during municipal water and electrical service outages that impact Camp Swift. The water security and resilience of the Water Microgrid will significantly mitigate known vulnerabilities. The Water Microgrid will ensure mission-critical functions can be performed during power or water utility outage.

12. SUPPLEMENTAL DATA:	
A. Estimated Execution Data:	
(1) Acquisition Strategy: Design Bid Build	
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	MAR/2024
(b) Percent of Design Completed as of Jan 2024 (BY-2)	0%
(c) Percent of Design Completed as of Jan 2025 (BY-1):	35%
(d) Design or RFP Complete:	SEP/2025
(e) Total Design Cost ($000)	2,790
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No
(3) Construction Data:	MAR/2026
(a) Contract Award:	MAY/2026
(b) Construction Start:	MAY/2028
(c) Construction Complete:	
B. Equipment associated with this project which will be provided from other appropriations: N/A	
C. Project Type: ENERGY RESILIENCE	

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army National Guard	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**		2. Date JUNE 2025
3. INSTALLATION AND LOCATION Camp Swift Texas		4. PROJECT TITLE: Smart Water Grid	
5. PROGRAM ELEMENT 0904903D	6. CATEGORY CODE 81122	7. PROJECT NUMBER 100354	8. PROJECT COST ($000) 19,800

D. Rationale IAW 10 USC 2914: 100% of the critical mission requirements for water will be satisfied by this project. The system will operate during non-emergency operations with a 90/10 split that supplies the majority (90%) of water supply from the municipal water service provider, with 10% of the water supply sourced from the Water Microgrid well. Resilience will be quantified by the ability to provide full operational water requirements without service interruption, loss of quality, or compromise to military operations over the course of 14 days.

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Office of the Deputy Assistant Secretary of Defense Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army/Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Fort Cavazos Texas	Central Energy Plant

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	82610	105529	34,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**28,200**
Central Energy Plant. (CC89126)	SF	4,733	330	1,562
Air Conditioning/Refrigeration Plant (CC82610)	LS	--	--	24,438
Chilled Water Distribution System (CC82710)	LS	--	--	1,450
Energy Monitoring and Control System Connection	LS	--	--	50
Commissioning	LS	--	--	200
Cybersecurity	LS	--	--	500
SUPPORTING FACILITIES				**945**
Electric Service	LS	--	--	320
Water, Sewer, and Gas	LS	--	--	60
Pavements	LS	--	--	120
Site Preparations and Storm Drainage	LS	--	--	350
Demolition	LS	--	--	45
Information Systems	LS	--	--	50
SUBTOTAL				**29,145**
CONTINGENCY (11%)				3,206
TOTAL CONTRACT COST				**32,351**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				2,103
TOTAL REQUEST				**34,454**
TOTAL REQUEST (ROUNDED)				**34,500**

210. DESCRIPTION OF PROPOSED CONSTRUCTION:
Construct a Central Energy Plant (CEP) to supply 24 buildings with chilled water replacing 24 air cooled chillers. Primary facilities shall include the building that will house the cooling towers, chillers, and associated pumps along with additional equipment and controls; and piping to supported buildings. Fire protection and detection systems, energy management control system, Sustainability/Energy Measures, and Cybersecurity Measures will be provided. Supporting facilities include new utilities gas, water, sewer, and electrical service and connections, security lighting, paving, walkways, curbs and gutters, storm drainage, site clearing and grading, fencing, landscaping,

1. COMPONENT Defense Wide – Army/Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Fort Cavazos Texas	Central Energy Plant

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	82610	105529	34,500

and signage. Special foundations are required due to expansive and rocky soils in the area. Heating will be provided from a self-contained system.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT:
Construct a Central Energy Plant for Fort Cavazos Phantom East District.

REQUIREMENT:
The Army has undertaken an effort to have Army mission owners rate all Army real property, with "tier one" facilities being the most critical to current operational requirements. The project will support 24 facilities performing critical power projection and mobilization mission functions at Fort Cavazos, including barracks and multiple brigade and company headquarters buildings. This project will reduce Fort Cavazos' energy use and increase energy resilience by providing service to several tier one facilities from one central location. This project would result in a significant energy savings and help alleviate the reliability and assured access challenges of maintaining 24 separate mechanical systems. The cold-water piping distribution system and centralized equipment will be sized to accommodate the 24 buildings and will also account for future expansion as 6 additional buildings could be added after building upgrades are made in the future.

CURRENT SITUATION:
Currently there are 24 air-cooled chillers designated to serve one facility each. The current air-cooled chillers are past or nearing their useful design life and subject to failure. Although a chilled water central energy plant will consist of larger equipment, this project will distribute the redundancy requirement for thermal energy equipment over larger number of users, providing increased redundancy, reliability, and efficiency at a fraction of the cost. The existing 24 sites lack redundancy and increase the preventative maintenance requirement on the installation. Currently, preventative maintenance is required on 24 separate pieces of equipment scattered in different locations. When a piece of equipment fails, an emergency repair is necessary due to the lack of redundancy in the systems. A CEP would require preventative maintenance on 6 separate pieces of equipment in a consolidated location and would allow a more reasonable response time to equipment failures due to the added redundancy.

IMPACT IF NOT PROVIDED:
Fort Cavazos continues to experience reliability and maintenance issues in meeting the thermal energy requirements to mission essential critical facilities supporting Power Projection and Mobilization missions.

1. COMPONENT Defense Wide – Army/Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Fort Cavazos Texas	Central Energy Plant

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	82610	105529	34,500

12. SUPPLEMENTAL DATA:	
Estimated Execution Data:	
Acquisition Strategy: Design Bid Build	
Design Data:	
Design or Request for Proposal (RFP) Started:	MAR/2023
Percent of Design Completed as of Sep 2024:	100%
Percent of Design Completed as of Jan 2025:	100%
Design or RFP Complete:	SEP/2024
Total Design Cost ($000)	1,000
Energy Study and/or Life Cycle Analysis performed?	Yes
Standard or definitive design used?	No
Construction Data: (Must be executable in FY26)	
Contract Award:	MAR/2026
Construction Start:	MAY/2026
Construction Complete:	MAY/2028

Equipment associated with this project which will be provided from other appropriations: N/A

Project Type: WATER RESILIENCE

Rationale IAW 10 USC 2914: The project is scoped to support 24 facilities performing critical training, power projection and mobilization missions at Fort Cavazos. Facilities include multiple brigade and company headquarters and barracks buildings. Cooling and dehumidification of the affected buildings are required to sustain the day-to-day training mission. Any loss of cooling to these facilities, will negatively impact the command and control of units within the formations of the effected units.

Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization) 703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army/National Guard	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Camp Williams Utah	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81146	105105	28,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**23,330**
Wind Turbine (CC81146)	KW	3,000	2,094	6,282
Primary Power Generation, Gas (CC81117)	KW	2,250	1,428	3,213
Microgrid Controls	LS	--	--	3,468
Battery Energy Storage System (BESS) (CC81160)	MW	1.5	3,520,000	5,280
Electrical Feeder Lines	LS	--	--	2,228
Cybersecurity/Information System Infrastructure	LS	--	--	242
Natural Gas Pipeline Extension	LS	--	--	468
Utility Interconnection Agreement	LS	--	--	1,760
Building Energy Mgmt. Systems	LS	--	--	147
Commissioning	LS	--	--	242
SUPPORTING FACILITIES				**759**
Exterior Security Lighting	LS	--	--	22
Site Improvement and Security Fencing	LS	--	--	649
Utilities	LS	--	--	88
SUBTOTAL				**24,089**
CONTINGENCY (11%)				2,650
TOTAL CONTRACT COST				**26,739**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,738
TOTAL REQUEST				**28,477**
TOTAL REQUEST (ROUNDED)				**28,500**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Construct a microgrid that will include natural gas generator(s), wind turbine, BESS, and new electrical feeder lines. The microgrid will connect to an existing Photovoltaic (PV) array, an existing wind turbine, and an existing diesel generator. The construction will also include exterior security lighting, security fencing, and site improvements.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army/National Guard	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Camp Williams Utah	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81146	105105	28,500

PROJECT:
Install a new microgrid system at Camp Williams that will provide resilient power for critical loads by constructing a new wind turbine, natural gas generators and BESS and incorporating existing power generating assets.

REQUIREMENT:
Camp Williams is the single Emergency Operations Center for the State of Utah for Defense Support of Civil Authorities Contingency Operations along the Wasatch Front. In the event of a grid power outage the Camp Williams Contingency Plan calls for up to 100 critical buildings to receive microgrid islanded power. Buildings include the Joint Operations Center, armories, administrative buildings, and barracks.

This project is a key element in the Utah Army National Guard (UTARNG) strategic energy security and resilience masterplan. It will allow the UTARNG to support domestic emergencies, training and operations, and required critical missions during extreme times of power failure or catastrophe. The energy produced will support critical mission facilities' requirements and add surety to electrical supply. It also aids in preventing Camp Williams from being affected by power issues that plague the current grid system. The project implements Federal and state mandates for clean energy, clean air and delivering secure and long-term saving in utility costs. The microgrid, generators and renewable energy will also be used to shave peak demand as well as give Camp Williams assured access to the reliable energy sources it needs to meet contingency and mission essential requirements.

CURRENT SITUATION:
The site of this project on Camp Williams is owned by the Utah State Armory Board and operated by the Utah Army National Guard and federally supported. Upon completion of construction, the improvements will become State property. The current system does not provide any backup redundancy. Camp Williams relies almost solely on the local power grid for supply.

IMPACT IF NOT PROVIDED:
If not provided, Camp Williams will have no electrical security in case of failure of local grid system. Camp Williams is the major emergency site for Utah and the Wasatch Front. Without this project, Camp Williams will face critical deficiencies and cannot operate in times of emergency.

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army/National Guard	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Camp Williams Utah	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81146	105105	28,500

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy: Design Bid Build

(2) Design Data:

(a) Design or Request for Proposal (RFP) Started:	JUN/2021
(b) Percent of Design Completed as of Jan 2024 (BY-2:	100%
(c) Percent of Design Completed as of Jan 2025 (BY-1):	100%
(d) Design or RFP Complete:	DEC/2023
(e) Total Design Cost ($000)	3,645
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No

(3) Construction Data:

(a) Contract Award:	MAR/2026
(b) Construction Start:	MAY/2026
(c) Construction Complete:	MAY/2028

B. Equipment associated with this project which will be provided from other appropriations: N/A

C. Project Type: ENERGY RESILENCE

D. Rationale IAW 10 USC 2914: The current electrical system does not provide adequate back up to critical areas and systems. These systems include disaster response areas, Military Intelligence Sensitive Compartmented Information Facilities (SCIFs), Counter Drug operations and SCIFs, Special Forces SCIFs, and culinary water systems. The production of energy from the wind turbine and power management delivered by the microgrid, combined with energy storage from the BESS system will provide the energy needed for the required 14 days of critical needs.

Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization) 703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT Defense Wide – Army Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025
3. INSTALLATION AND LOCATION United States Army Garrison Ansbach (Storck Barracks)	4. Project Title: Power Generation and Microgrid	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	102287	73,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**53,533**
Primary Power Generation Photovoltaic Including Carports (CC81122)	KW	1,000	24,945	24,945
Primary Power Generation, Diesel (CC81160)	KWH	4,000	2,192	8,768
Fuel Storage Tank, Diesel with Initial Fill (CC12473)	GA	40,000	24	960
Battery Energy Storage System and Inverter	MW	4,000	1,995,000	7,980
Microgrid Controller, Controls, Switches and Transformers	LS	--	--	8,530
Commissioning and Testing	LS	--	--	860
Environmental and Permitting	LS	--	--	530
Cybersecurity	LS	--	--	250
Building Information Measures	LS	--	--	200
SUPPORTING FACILITIES	LS	--	--	510
Electric Service				**6,630**
Paving, Walks, Curbs, Gutters	LS	--	--	4,680
Site Improvements	LS	--	--	340
SUBTOTAL	LS	--	--	1,610
CONTINGENCY (11%)				**60,163**
TOTAL CONTRACT COST				6,618**67,781**
SUPERVISION, INSPECTION & OVERHEAD (7.3%)				4,948
TOTAL REQUEST				**72,729**
TOTAL REQUEST (ROUNDED)				**73,000**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a resilient microgrid with diverse energy sources to include two diesel fuel generators with additional fuel storage, a battery energy storage system (BESS), and a solar photovoltaic (PV) to provide daily onsite renewable energy generation to offset incoming power from the local utility. Additionally, this project will also include, and a microgrid controller to control all energy generation assets and manage electrical loads. This project upgrades of the medium voltage switchgear at Storck Barrack that is required for microgrid operation and installation of solar PV power production, BESS, and generator power output. This microgrid system will connect and distribute power on a government-owned electrical distribution system within the fence line of the installation by

1. COMPONENT Defense Wide – Army Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025
3. INSTALLATION AND LOCATION United States Army Garrison Ansbach (Storck Barracks)	4. Project Title: Power Generation and Microgrid	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	102287	73,000

connecting to the existing electrical distribution loop, thereby providing resilient power to 100% of the critical facilities at Storck Barracks. The solar PV system will include ground mount solar array(s), rooftop solar, and/or multiple semi-permanent carport/canopy type solar (PV) systems. These solar PV systems shall include all necessary mounting structures, solar panels, racking systems, inverters, transformers, controls, all necessary electrical and communication wiring, as well as any other minor equipment to allow proper functionality as part of a robust microgrid. This microgrid will have the ability to charge the BESS from utility power, the solar PV system, or the diesel fuel power generators. As part of the solar PV assemblies, lighting will be included with photocell controls to provide additional lighting in those areas. Due to the upcoming stationing actions at the installation along with the space limitations, any PV carport/canopy structures should be capable of being relocated, if necessary.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT:

Construct two prime power rated, substation-level generators with fuel storage, multiple photovoltaic systems, a BESS and a microgrid control system.

REQUIREMENT:

USAG Ansbach functions as an Army Power Projection Platform (PPP) and Noncombatant Evacuation Operation (NEO) in the state of Bavaria, Germany. As a PPP and NEO, USAG Ansbach Storck Barracks must quickly deploy service members, equipment, and supplies to strategically significant areas of the world in support of National Defense. It is critical that USAG Ansbach's transportation and support operations are functional and secure to conduct its mission. Its primary missions include rotary aircraft operations and maintenance with the ability to conduct combat and humanitarian airlifts to any location in Europe. Through implementation of this project, multiple technologies will be integrated to provide resilient on-site, renewable power generations, with storage, and controlled distribution while adding redundancy and flexibility with diesel power generators. The BESS will provide power the installation during a utility outage while generators start, load, and supply buildings for baseload electricity needs for extended periods. The microgrid controls will have the capability to allow the BESS to provide any additional power requirements not provided by the generators. The microgrid will also be capable of charging the BESS via the utility electrical feed, generators, or solar PV sources. The BESS can also assist with correcting power quality during solar PV production periods. All equipment and the system will undergo commissioning and pass all performance verification testing including a black start exercise.

1. COMPONENT Defense Wide – Army Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025
3. INSTALLATION AND LOCATION United States Army Garrison Ansbach (Storck Barracks)	4. Project Title: Power Generation and Microgrid	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	102287	73,000

CURRENT SITUATION:

In an electrical outage, critical facilities either have no backup power system or rely on diesel generators or uninterruptable power supplies (UPSs), which can only sustain those facilities for several hours to a few days before refueling is required. All current backup generators are configured to operate solely on diesel fuel. There is limited bulk diesel fuel storage onsite that are dedicated to generators during an extended outage. Refueling is limited therefore, during an extended outage, many critical facilities would eventually lose power. All the existing generators and UPSs are building level only; none are grid-tied to the installation's internal electrical distribution system. Therefore, power produced by these sources cannot be distributed around the installation. Further, the generators that are in place currently are rated for short-term backup duty and not sustained operation.

IMPACT IF NOT PROVIDED:

If USAG Ansbach is unable to execute any of its critical missions, America's response to a global situation that threatens our National Security will be compromised. Therefore, this project is critical for mission assurance at Storck Barracks and will reduce the risk and consequences of electrical interruptions by providing improved energy resilience.

12. SUPPLEMENTAL DATA:	
A. Estimated Execution Data:	
(1) Acquisition Strategy: Design-Bid-Build	
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	MAR/2024
(b) Percent of Design Completed as of Sep 2024:	35%
(c) Percent of Design Completed as of Jan 2025:	35%
(d) Design or RFP Complete:	SEP/2025
(e) Total Design Cost ($000)	10,125
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No
(3) Construction Data: (Must be executable in FY26)	
(a) Contract Award:	MAR/2026
(b) Construction Start:	MAY/2026
(c) Construction Complete:	MAY/2028
B. Equipment associated with the project which will be provided from other	

1. COMPONENT Defense Wide – Army Active	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025
3. INSTALLATION AND LOCATION United States Army Garrison Ansbach (Storck Barracks)	4. Project Title: Power Generation and Microgrid	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81122	102287	73,000

appropriations: N/A

C. Project Type: ENERGY RESILIENCE

D. Rationale IAW 10 USC 2914: The project will provide energy resilience to USAG Ansbach's critical mission operations at the Storck Barracks campus for a minimum of 14 days. The project directly supports USAG Ansbach as a training and mobilization center for the rotational RAF. USAG Ansbach functions as an Army PPP and supports NEO missions in the state of Bavaria, Germany. Its primary missions include rotary aircraft operations and maintenance with the ability to conduct combat and humanitarian airlift to any location in Europe. USAG Ansbach has a continuing need to secure sufficient resilient power at the Storck Barracks campus to support the transportation and other mission related infrastructure to ensure mission continuity. Without resilient power for the critical-to-flight safety, or without coordinated and powered instrument landing systems, rotary aircraft would be unable to safely approach and land at Storck Barracks.

Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA	2. Date
Defense Wide – Navy		JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Naval Base Guam / Naval Magazine Guam	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81150	P-816	63,010

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**39,152**
Photovoltaic Array (CC81150)	KW	1,100	16,291	17,920
Standby Power Generator (CC81160)	KW	800	6,504	5,203
Overhead Electrical Lines (CC81231)	LF	2,012	586	1,179
Supervisory Control and Data Acquisition	LS	--	--	1,000
Microgrid Controller	LS	--	--	310
Information Systems	LS	--	--	280
Built-In Equipment	LS	--	--	12,430
Special Costs	LS	--	-	830
SUPPORTING FACILITIES				**11,850**
Site Preparations	LS	--	--	10,680
Anti-Terrorism/Force Protection	LS	--	--	30
Munitions and Explosives of Concern (MEC)	LS	--	--	1,140
SUBTOTAL				**51,002**
CONTINGENCY (11%)				5,610
TOTAL CONTRACT COST				**56,612**
SUPERVISION, INSPECTION & OVERHEAD (7.3%)				4,133
DESIGN/BUILD – DESIGN COST (4%)				2,264
TOTAL REQUEST				**63,009**
TOTAL REQUEST (ROUNDED)				**63,010**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a resilient microgrid with diverse energy sources to include a new diesel generator, Photovoltaic (PV) arrays, and a Battery Energy Storage System (BESS). The project will also construct overhead line and install a Supervisory Control and Data Acquisition (SCADA) system and microgrid controller which comprise a microgrid to generate backup power for critical assets. The microgrid would enable assets to run on an independent circuit from the Island Wide Power grid. The new diesel backup generator with diesel storage that will support a 72-hour outage. The project includes facility-related control systems include cybersecurity features in accordance with current DoD criteria. Information systems include cybersecurity commissioning and microgrid communication. This project will provide Antiterrorism features and comply with applicable service

1. COMPONENT Defense Wide – Navy	**FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA**	2. Date JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Naval Base Guam / Naval Magazine Guam	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81150	P-816	63,010

and Geographic Combatant Commander policies and directive per Unified Facilities Criteria (UFC) for DoD Minimum Antiterrorism Standards for Buildings. Built in equipment includes BESS, transformer, switchgear for PV/BESS, isolation switches, diesel storage tank, and generator automatic transfer switch and switchgear. Special costs include Post Construction Contract Award Services (PCAS) and cybersecurity commissioning. The cybersecurity commissioning cost is to cover the Department of Navy's (DON) cybersecurity requirements as well as DON's in-house costs to review contractor submittals and to implement steps necessary for obtaining Authority to Operate. Operations and maintenance support information is included in this project. Site preparations include site work, concrete slab, chain link fence and gate. Unexploded ordnance and Munitions and Explosives of Concern (MEC) clearance is required for this project. Ground intrusion activities or excavation work will adhere to Joint Region Marianas Explosive Safety Submission.

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

PROJECT:
This project shall construct a microgrid consisting of on-site power generation and energy storage for Naval Magazine's (NAVMAG) critical assets.

REQUIREMENT:
Provide a reliable, resilient, efficient, and renewable energy backup power generation for critical assets within NAVMAG and to minimize security risks. The new microgrid will provide power to the installation during contingency events by operating in island mode and will improve the energy security and resilience of the base.

CURRENT SITUATION:
The facilities are fed by various feeders branching off from the main distribution feeder. Existing configuration of the distribution power system does not allow for reliable back-up power generation from Orote Power Plant. Security risks due to the lack of backup power, perimeter fencing, and illumination at NAVMAG require personnel to conduct roving foot patrols.

IMPACT IF NOT PROVIDED:
Unexpected power outages and/or power quality issues, will continue to effect NAVMAG resulting in an immediate stoppage of mission critical activities and high security risks to the critical facilities. Failure to provide this project would be inconsistent with DoD policy, which states, components shall take necessary steps to ensure energy resilience on military installations.

1. COMPONENT	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA	2. Date
Defense Wide – Navy		JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Naval Base Guam / Naval Magazine Guam	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81150	P-816	63,010

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy: Design Bid Build

(2) Design Data:

(a) Design or Request for Proposal (RFP) Started:	DEC/2023
(b) Percent of Design Completed as of Sep 2024:	35%
(c) Percent of Design Completed as of Jan 2025:	35%
(d) Design or RFP Complete:	DEC/2025
(e) Total Design Cost ($000):	5,601
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	No

(3) Construction Data:

(a) Contract Award:	JUL/2026
(b) Construction Start:	AUG/2026
(c) Construction Complete:	AUG/2027

B. Equipment associated with this project which will be provided from other appropriations: N/A

C. Project Type: ENERGY RESILIENCE

D. Rationale IAW 10 USC 2914: As part of the Secretary of the Navy's energy initiative, this project proposes construction of a microgrid to address security gaps at NAVMAG facilities.

Office of the Deputy Assistant Secretary of Defense (Energy Resilience & Optimization)
703-843-0159

DD FORM 1391, JUL 1999

1. COMPONENT	FY 2026 ENERGY RESILIENCE AND CONSERVATION MILITARY CONSTRUCTION PROJECT DATA	2. Date
Defense Wide – USMC		JUNE 2025

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Marine Corps Air Station (MCAS) Iwakuni Japan	Power Generation and Microgrid

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0904903D	81145	P-1016	$146,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**87,157**
Electric Power Plant, Diesel (CC 81110)	KW	12,500	4,550	56,875
Electric Power, Solar Photovoltaic (CC 81150)	KW	6,000	2,639	15,834
Battery Energy Storage System (CC 81162)	MW	2.4	2,602,98	6,247
Utility Interconnects	LS	--	3	1,231
Microgrid and Other Controls	LS	--	--	5,157
Commissioning	LS	--	--	1,401
Cybersecurity	LS	--	--	412
SUPPORTING FACILITIES				**31,642**
Site Preparations (civil, grading/paving)	LS	--	--	11,512
Utilities	LS	--	--	5,346
Communications	LS	--	--	2,211
Other (shipping, offloading)	LS	--	--	6,393
General Requirements	LS	--	--	6,180
SUBTOTAL				**118,799**
CONTINGENCY (11%)				13,068
TOTAL CONTRACT COST				**131,867**
SUPERVISION, INSPECTION & OVERHEAD (7.3%)				9,626
DESIGN/BUILD – DESIGN COST (4%)				5,275
TOTAL REQUEST				**146,768**
TOTAL REQUEST (ROUNDED)				**146,800**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Construct a resilient microgrid with diverse energy sources to include natural gas and diesel generators to maximize resilience, a solar photovoltaic (PV) system, and a battery energy storage system (BESS). This project will also include to include associated mechanical and electrical work, utility interconnections, microgrid and other controls, commissioning, and cybersecurity. Supporting work includes site preparation, utilities (e.g., fuel piping and storage to new generation assets), communications infrastructure, associated shipping/offloading costs for the equipment in Japan, and other general requirements (e.g., project management, quality control, safety officer, office trailers, utilities, site cleanup, post construction award services).

11. REQUIREMENT: N/A ADQT: N/A SUBSTD: N/A

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PROJECT:
This project will install additional power generation, battery energy storage system, utility interconnects, and microgrid controls for system interconnection with existing utilities.

REQUIREMENT:
As Pacific Air Force's only Contingency Response Group (CRG), the mission of the 36th CRG is to prepare Indo-Pacific Command (INDOPACOM) to rapidly respond to contingencies and establish airbases as directed by the INDOPACOM Commander. MCAS Iwakuni is an air station whose primary mission is to launch and recover aircraft. MCAS Iwakuni is responsible for managing the only Marine Corps operated Air Mobility Command terminal in the Department of Defense. Marines stationed at Iwakuni are expected to be the "First to Fight" in the "First Island Chain." This level of aviation readiness hinges greatly on having a robust, reliable, and resilient energy supply to provide 24/7 power to critical missions. This project is required to enhance energy efficiency, reliability, and resilience. Additionally, the project will improve cybersecurity in accordance with the Department of Defense and other Marine Corps cybersecurity certification and accreditation requirements.

CURRENT SITUATION:
MCAS Iwakuni, Japan is located on southeastern tip of Honshu, 427 nautical miles from Pyongyang North Korea. The station receives power generated and delivered by Chugoku Electric Power Company. The installation is vulnerable to natural disasters as an island in the Nishiki river delta within the city of Iwakuni, Yamaguchi Prefecture, Japan. This location is a major cause for concern given ongoing security threats from adversaries and the potential for extreme impacts from typhoons, earthquakes, and other natural events. This project will improve energy security and reliability for critical missions on the flightline.

IMPACT IF NOT PROVIDED:
MCAS Iwakuni will not be able to ensure extended energy availability to the warfighter in the event of a power disruption without this project. This may result in a temporary shutdown of airfield operations until power is restored.

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12. SUPPLEMENTAL DATA:	
A. Estimated Execution Data:	
(1) Acquisition Strategy: Design Bid Build	
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	JUN/2021
(b) Percent of Design Completed as of Sep 2024	35%
(c) Percent of Design Completed as of Jan 2025	35%
(d) Design or RFP Complete:	MAY/2026
(e) Total Design Cost ($000):	10,350
(f) Energy Study and/or Life Cycle Analysis performed?	Yes
(g) Standard or definitive design used?	Yes
(3) Construction Data:	
(a) Contract Award:	JUL/2026
(b) Construction Start:	OCT/2027
(c) Construction Complete:	SEP/2029
B. Equipment associated with this project which will be provided from other appropriations: N/A	
C. Project Type: ENERGY RESILIENCE	
D. Rationale IAW 10 USC 2914: MCAS Iwakuni's mission is to launch and recover aircraft for two air wings: Carrier Air Wing Five (CVW-5) and Marine Aircraft Group 12 (MAG-12). The Station's flight line has multiple critical functions and must remain operational 24/7. This project will enhance mission assurance by providing of onsite generation for the flight line as well as a reliable, resilient, efficient, and cyber secure microgrid. This project, in conjunction with other programmed projects, will provide the Station the capability to operate 100% of the flight line's critical facilities for 14+ days without commercial power.	
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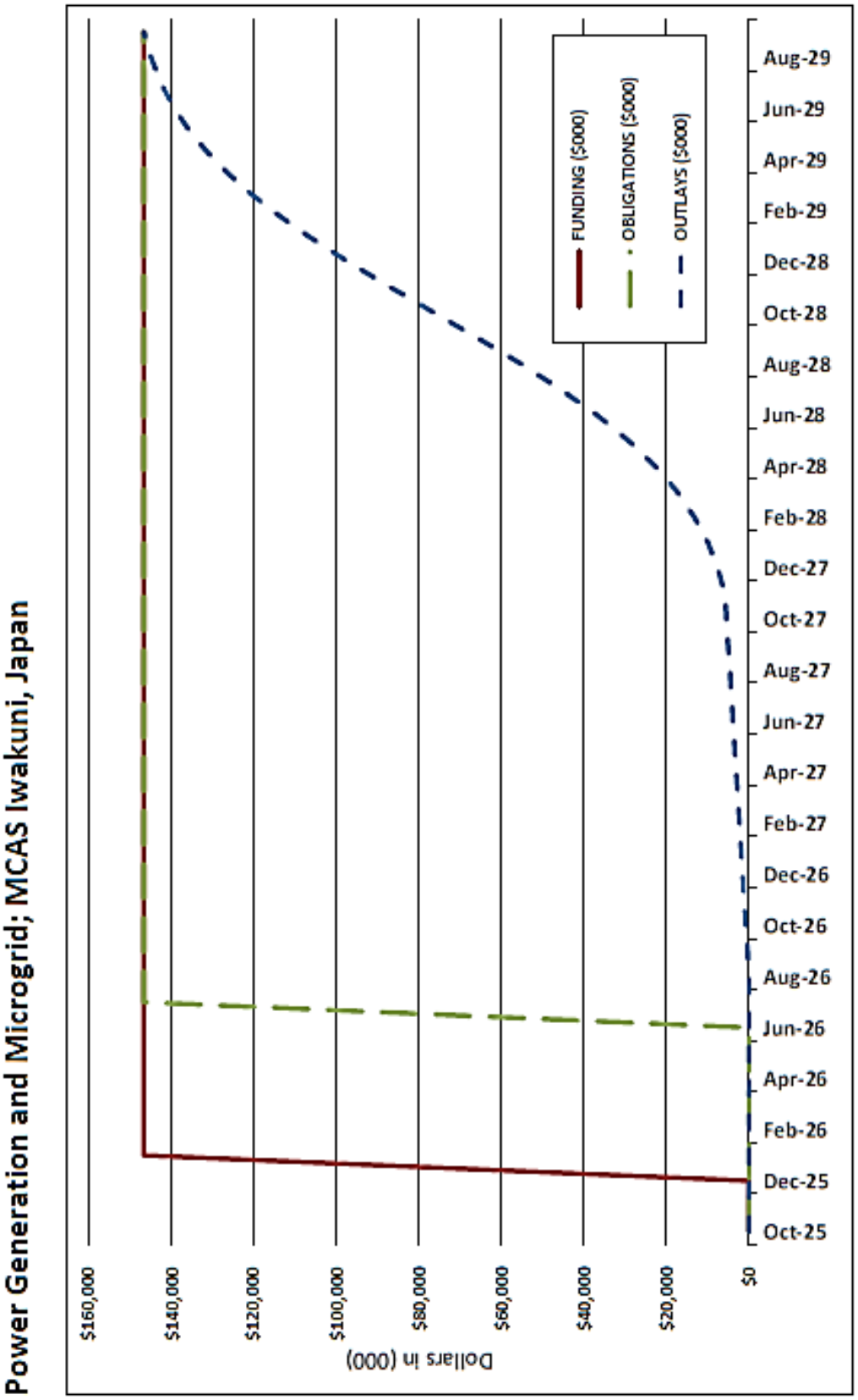
Office of the Deputy Assistant Secretary of Defense (Environment & Energy Resilience) 703-843-0159	

DD FORM 1391, JUL 1999


Power Generation and Microgrid; MCAS Iwakuni, Japan
FUNDING ($000)
OBLIGATIONS ($000)
OUTLAYS ($000)
Dollars in (000)
$160,000
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$0
Aug-29
Jun-29
Apr-29
Feb-29
Dec-28
Oct-28
Aug-28
Jun-28
Apr-28
Feb-28
Dec-27
Oct-27
Aug-27
Jun-27
Apr-27
Feb-27
Dec-26
Oct-26
Aug-26
Jun-26
Apr-26
Feb-26
Dec-25
Oct-25

PROJECT SPENDING PLAN

PROJECT: FY26 MCON P1016 Power Generation and Microgrid; MCAS Iwakuni, Japan

As of: June 2025

All costs in thousands ($000)

	FUNDING		OBLIGATIONS		OUTLAYS	
Month - Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Oct-25	$ -	$ -	$ -	$ -	$ -	$ -
Nov-25	$ -	$ -	$ -	$ -	$ -	$ -
Dec-25	$ -	$ -	$ -	$ -	$ -	$ -
Jan-26	$ 146,800	$ 146,800	$ -	$ -	$ -	$ -
Feb-26	$ -	$ 146,800	$ -	$ -	$ -	$ -
Mar-26	$ -	$ 146,800	$ -	$ -	$ -	$ -
Apr-26	$ -	$ 146,800	$ -	$ -	$ -	$ -
May-26	$ -	$ 146,800	$ -	$ -	$ -	$ -
Jun-26	$ -	$ 146,800	$ -	$ -	$ -	$ -
Jul-26	$ -	$ 146,800	$ 146,800	$ 146,800	$ -	$ -
Aug-26	$ -	$ 146,800	$ -	$ 146,800	$ -	$ -
Sep-26	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 391
Oct-26	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 783
Nov-26	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 1,174
Dec-26	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 1,566
Jan-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 1,957
Feb-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 2,349
Mar-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 2,740
Apr-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 3,132
May-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 3,523
Jun-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 3,915
Jul-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 4,306
Aug-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 4,698
Sep-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 5,089
Oct-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 5,481
Nov-27	$ -	$ 146,800	$ -	$ 146,800	$ 391	$ 5,872
Dec-27	$ -	$ 146,800	$ -	$ 146,800	$ 1,738	$ 7,610
Jan-28	$ -	$ 146,800	$ -	$ 146,800	$ 2,416	$ 10,026
Feb-28	$ -	$ 146,800	$ -	$ 146,800	$ 3,251	$ 13,276
Mar-28	$ -	$ 146,800	$ -	$ 146,800	$ 4,232	$ 17,508
Apr-28	$ -	$ 146,800	$ -	$ 146,800	$ 5,330	$ 22,837
May-28	$ -	$ 146,800	$ -	$ 146,800	$ 6,496	$ 29,333
Jun-28	$ -	$ 146,800	$ -	$ 146,800	$ 7,660	$ 36,993
Jul-28	$ -	$ 146,800	$ -	$ 146,800	$ 8,739	$ 45,732
Aug-28	$ -	$ 146,800	$ -	$ 146,800	$ 9,648	$ 55,380
Sep-28	$ -	$ 146,800	$ -	$ 146,800	$ 10,305	$ 65,685

PROJECT SPENDING PLAN

PROJECT: FY26 MCON P1016 Power Generation and Microgrid; MCAS Iwakuni, Japan

As of: June 2025

All costs in thousands ($000)

	FUNDING		OBLIGATIONS		OUTLAYS	
Month - Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Oct-28	$ -	$ 146,800	$ -	$ 146,800	$ 10,651	$ 76,336
Nov-28	$ -	$ 146,800	$ -	$ 146,800	$ 10,651	$ 86,987
Dec-28	$ -	$ 146,800	$ -	$ 146,800	$ 10,305	$ 97,292
Jan-29	$ -	$ 146,800	$ -	$ 146,800	$ 9,648	$ 106,940
Feb-29	$ -	$ 146,800	$ -	$ 146,800	$ 8,739	$ 115,679
Mar-29	$ -	$ 146,800	$ -	$ 146,800	$ 7,660	$ 123,339
Apr-29	$ -	$ 146,800	$ -	$ 146,800	$ 6,496	$ 129,835
May-29	$ -	$ 146,800	$ -	$ 146,800	$ 5,330	$ 135,164
Jun-29	$ -	$ 146,800	$ -	$ 146,800	$ 4,232	$ 139,396
Jul-29	$ -	$ 146,800	$ -	$ 146,800	$ 3,251	$ 142,646
Aug-29	$ -	$ 146,800	$ -	$ 146,800	$ 2,416	$ 145,062
Sep-29	$ -	$ 146,800	$ -	$ 146,800	$ 1,738	$ 146,800