National Security Agency
FY 2015 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Maryland				
Fort Meade				
NSAW Campus Feeders Phase 1	54,207	54,207	C	112
NSAW Recapitalize Building #1/Site M, Inc 3	-	45,521	C	114
Total	**54,207**	**99,728**		

1. COMPONENT NSA/CSS DEFENSE	FY 2015 MILITARY CONSTRUCTION PROGRAM	2. DATE March 2014
3. INSTALLATION AND LOCATION FT. George G. Meade, Maryland	4. COMMAND NSA/CSS	5. AREA CONSTRUCTION COST INDEX 1.02

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
				CLASS	IFIED					

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0
B. INVENTORY TOTAL AS OF DEC 2012	0
C. AUTHORIZED NOT YET IN INVENTORY	0
D. APPROPRIATION REQUESTED IN THIS PROGRAM	99,728
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	70,722
F. PLANNED IN NEXT THREE YEARS	632,061
G. PLANNING AND DESIGN COST	0
H. REMAINING DEFICIENCY	0
I. GRAND TOTAL	802,511

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN START	DESIGN COMPLETE
81242	27532	NSAW Building Feeders, Phase 1 (FY15)	54,207	APR 2013	JUN 2014
14162	26170	NSAW Recapitalization Building #1/Site M (FY15)	45,521	DEC 2011	OCT 2012

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM (FY16)

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)
81242	31066	NSAW Campus Building Feeders, Phase 2 (FY16)	30,845
		NSAW Recapitalization Building #2, Increment 1 (FY 16)	39,877

b. PLANNED IN NEXT THREE YEARS (FY17-19)

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)
141	31067	NSAW Campus Building Feeders, Phase 3 (FY17)	19,460
14162	27565	NSAW Recapitalization Building #2 (FY17)	149,691
89121	21099	New Boiler Plant (FY17)	26,445
		NSAW Recapital/Site M (FY17)	40,000
14162	27565	NSAW Recapitalization Building #2 (FY18)	118,000
73034	TBD	Vehicle Control Inspection Facility (VCIF)/Vehicle Control Points (VCPs)(FY18)	43,784
	TBD	NSAW North/South Connectors (FY 18)	59,999
14162	TBD	NSAW Recapitalization Building #3 (FY19)	85,176
73034	TBD	Vehicle Control Inspection Facility (VCIF)/ Vehicle Control Points (VCPs) (FY19)	34,309
	TBD	NSAW North/South Connectors (FY19)	95,197

10. MISSION OR MAJOR FUNCTION

Agency activities are classified.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

A.	AIR POLLUTION	0
B.	WATER POLLUTION	0
C.	OCCUPATIONAL SAFETY AND HEALTH	0

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1. Component NSA/CSS DEFENSE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. Date March 2014

3. Installation and Location	4. Project Title
Ft. George G. Meade, Maryland	NSAW CAMPUS BUILDINGS FEEDERS, PHASE 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
	81242	27532	**$54,207**

9. Cost Estimate

Item	U/M	Quantity	Unit Cost	Cost
PRIMARY FACILITIES				**-**
N/A				
SUPPORTING FACILITIES				**36,963**
Electrical Ductbanks	LS			(14,650)
Electrical Feeders and Components	LS			(15,504)
Existing Feeders Removal	LS			(588)
Site Work	LS			(2,675)
Decommissioning (Generator/Fuel Tanks/Associated Components)	LS			(12,339)
TOTAL CONSTRUCTION COST				**45,756**
Contingency (10%)				(4,576)
Subtotal				50,332
SIOH (5.7%)				(2,868)
Engineering Services During Construction				(1,007)
Total Project Cost				**54,207**

10. DESCRIPTION OF PROPOSED CONSTRUCTION: The proposed construction provides a new campus electrical distribution system comprised of new ductbanks, power feeders, and manholes. Load interrupter switches, which eliminate medium voltage feeder splices, will be installed at the point of connection for most of the buildings on the NSAW campus. In addition, automatic circuit breakers and other electrical components will be installed in support of the proposed electrical configuration. Construction also requires erosion and sediment control, as well as demolition and restoration of roadways, parking lots, landscaping, fences, and other site features impacted by the work. In addition, mission back-up generators, which will no longer be required, will be decommissioned with their associated fuel storage tanks and delivery systems. Some existing ductbanks and manholes are planned to be abandoned in place; but existing feeders will be removed.

11. REQUIREMENT: 13.8 KV – 500-750 kcmil feeders – 6" Conduit
SUBSTANDARD: 13.8 KV – 350-500 kcmil feeders – 3", 4", and 5" Conduit
ADEQUATE: None

PROJECT: NSAW Campus Buildings Feeders- North Campus: Construction to replace all existing ductbanks and feeders. In addition, decommission of mission back-up generators along with their associated fuel storage tanks.

REQUIREMENT: To improve the reliability of the prime and emergency electrical power infrastructure required to support current and future mission needs, the NSAW campus is upgrading its power infrastructure. The new ductbanks will provide larger diameter conduit to accommodate larger feeders. The larger feeders and new ductbanks configuration, load interrupter switches, automatic circuit breaker, and other electrical components; will allow for complete and flexible distribution while minimizing feeder splices and their associated vulnerabilities. The decommissioning of the mission back-up generators will include the decommission of the above and under ground storage tanks, fuel pipe lines, and removal and management of hazardous material (i.e., contaminated soil, coolant, solvents, cleaners, asbestos containing material (ACM), lead-containing material (LCM), etc). The contaminated soil will be removed and properly disposed.

1. Component NSA/CSS DEFENSE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA		2. Date March 2014
3. Installation and Location Ft. George G. Meade, Maryland			4. Project Title NSAW CAMPUS BUILDINGS FEEDERS, PHASE 1
5. Program Element	6. Category Code 81242	7. Project Number 27532	8. Project Cost ($000) **$54,207**

CURRENT SITUATION: The existing underground electrical ductbanks and manholes are more than 30 years old, and the feeders are undersized for current and projected power loads. The existing conduits will not be able to accommodate the new, larger cable size requirements.

IMPACT IF NOT PROVIDED: As the NSAW campus electrical loads continue to increase due to mission requirements, the resulting increase in thermal loading poses grave risk to the undersized, aging campus electrical distribution ductbanks, conduits, and feeders. As mission power requirements continue to increase, any form of power outages will pose a serious threat to the NSAW mission. If this project is not provided, NSAW will be operating under progressively reduced levels of power reliability.

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12. SUPPLEMENTAL DATA:

1. Status

(a) Design Start:	April 2013
(b) Design 35% Complete:	September 2013
(c) Design 100% Complete:	June 2014
(d) Parametric Cost Estimate Used to Develop Costs:	No
(e) Type of Contract:	Design/Bid/Build

2. Basis

(a) Standard of Definitive Design
(b) Where design was most recently used: N/A

3. Total Cost (c) = (a) + (b) or (d) + (e)($000)

(a) Production of plans and specifications	$4,206
(b) All other design costs	$0
(c) Total design cost (c) = (a) + (b) or (d) + (e)	$0
(d) Contract	$4,206
(e) In house	N/A

4. Construction Contract Award:	January 2015
5. Construction Contract Start Date:	March 2015
6. Construction Completion Date:	August 2016

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1. Component NSA/CSS DEFENSE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA		2. Date March 2014
3. Installation and Location FT. George G. Meade, Maryland		4. Project Title NSAW RECAPITALIZATION BLDG #1, INCREMENT 3	
5. Program Element	6. Category Code 14162	7. Project Number 26170	8. Project Cost FY15 ($000): $45,521

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITY				86,980
NSAW Recapitalization Building #1	SF	148,500	$541.50	(80,413)
Leadership in Energy and Environmental Design (LEED)	LS			(1,818)
Sustainable Design and Development (SSD) and Energy Policy ACT				
Anti-terrorism/Force Protection (AT/FP)	LS			(4,749)
SUPPORTING FACILITIES				28,818
(To include general utilities and infrastructure, site work, replacement of existing facilities, parking structure)				
TOTAL CONSTRUCTION COST				115,798
CONTINGENCY (5.00%)				5,790
SUBTOTAL				121,588
SIOH (5.70%)				6,930
TOTAL PROJECT COST				128,518
TOTAL PROJECT COST (ROUNDED)				**128,600**
Installed Equipment Provided from Other Appropriations				(57,881)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: NSAW Recapitalization Building #1 represents the initiation of a long term development plan to replace existing facilities and infrastructure that are unable to support the increasingly intense technological requirements of evolving missions. Recapitalization Building #1 begins to address a growing shortfall of state of the art workspace for some the Agency's most critical mission elements. The FY15 appropriation amount represents the third increment of a three part funding profile.

Construct NSAW Recapitalization Building #1 with associated site work and environmental measures. The facility will be built on Fort George G. Meade. The primary facility will include core and shell structure and foundations; electrical/mechanical service and distribution components and systems; fire protection, alarm, and suppression; information technology, communications, and security systems support infrastructure; exterior finishes and weatherproofing. Interior build out will provide structural raised access floor systems, ceiling, recessed lighting, and fire-rated interior partitions. Project requires comprehensive interior design. The Supporting facilities include a parking structure, site preparation and infrastructure improvements, utility services, and distribution systems, loading dock and perimeter security measures. Site preparation work will include standard clearing, grubbing, cut, fill, and grading, storm water management and environmental protection structures. Additional site work will provide for curb and gutter, walkways and patios, roads and parking, and storm water management facilities. Utility site construction will provide emergency backup power generation, heating and cooling equipment. Perimeter security construction will extend perimeter fence line and surveillance capabilities, and provide for increased vehicle control capacity. Supporting Facilities exceed 25% of Primary Facilities due to construction of a parking structure. This project will be designed in accordance with the Uniformed Federal Accessibility Standards (UFAS)/Americans with Disabilities Act (ADA)/Architectural Barriers Act (ABA) accessibility guidelines, Antiterrorism/Force Protection (AT/FP) standards and Unified Facilities Criteria (UFC) design standards. Utility systems capacity and reliability will support mission critical loads to mandated standards commensurate with the facility mission criticality rating. Information assurance requirements will be incorporated into the design. The facility will include sustainability features that can be cost effectively integrated to meet, at minimum, a Leadership in Energy and Environmental Design (LEED) Green Building Council Silver-certified rating.

2. Component NSA/CSS DEFENSE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA		2. Date March 2014
3. Installation and Location FT. George G. Meade, Maryland			4. Project Title NSAW RECAPITALIZATION BLDG #1, INC. 3
5. Program Element	6. Category Code 14162	7. Project Number 26170	8. Project Cost FY 15 ($000): $45,521

11. REQUIREMENT: 148,432 SF ADEQUATE: NONE SUBSTANDARD: NONE

PROJECT: Construct multi-story mission support facility and structured parking facility. (Current Mission).

REQUIREMENT: This building will provide NSA with a flexible and scalable building that can accommodate the modern infrastructure necessary to support both current and future technological requirements. This facility is required to provide the type of technologically advanced space required to accommodate the high power and cooling demands necessitated by the equipment requirements of developing mission sets. The building provides the opportunity for physically demanding customers to migrate to a workspace that offers the modern and reliable infrastructure required for efficient operations. This facility represents the beginning of the NSAW recapitalization plan, where aging facilities and infrastructure are replaced through an efficient and affordable long term phased development.

CURRENT SITUATION: Currently, the existing facilities on the NSAW campus are undersized to provide the swing space necessary to accommodate changing mission requirements. Furthermore, the aging infrastructure of many of the existing facilities on NSAW is unable to keep pace with the growing power, space, and cooling demands of modern technology, thereby limiting the efficient use of the current space inventory.

IMPACT IF NOT PROVIDED: If this facility is not funded, NSA will continue to overburden existing facilities and infrastructure impeding the ability to effectively operate and meet its mission.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802€, and other applicable laws and Executive Orders.

This project has been considered for joint use potential. The facility will support other components.

NATO SECURITY INVESTMENT: This project is not within a common NATO Infrastructure category, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

1. Status

(a) Design Start:	Dec 2011
(b) RFP Release:	Oct 2012
(c) Construction Award:	Mar 2013
(d) Construction Complete:	Feb 2016
(e) Type of Contract:	Design/Bid/Build

2. Total Cost

Construction:	$128,600

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