UNCLASSIFIED

National Security Agency FY 2014 Military Construction, Defense-Wide (\$ in Thousands)

State/Installation/Project	Authorization <u>Request</u>	Approp <u>Request</u>	New/ Current <u>Mission</u>	Page <u>No.</u>
Maryland				
Fort Meade				
High Performance Computing			_	
Capacity Increment 3	-	431,000	C	184
NSAW Recapitalization Building #	1/ -	58,000	С	187
Site M Increment 2				
Total	-	489,000		

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1. COMPONENT NSA/CSS DEFF	ENSE	FY 2014 MILITARY CONSTRUCTION PROGRAM 2. DATE March 2013								
3. INSTALLATION AND	LOCATION	4. COMMAND					5. AREA	CONSTRUCTION		
FT. George G	. Meade, Maryla	aryland NSA/CSS					COST INDEX 1.00			
6. PERSONNEL STRENGT	ГН	PERMANEN	IT		STUDENTS	5	5	SUPPORTEI)	TOTAL
IC Community Installatio	on OF	F ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	4
a. AS OF b. FND FY		'			IFIED					
7. INVENTORY DATA (\$0)00)		<u> </u>	CLING	11 11.12		1 1			
7. INVENTORY DATA (\$000) A. TOTAL ACREAGE B. INVENTORY TOTAL AS OF DEC 2012 C. AUTHORIZED NOT YET IN INVENTORY D. APPROPRIATION REQUESTED IN THIS PROGRAM 489 E. APPROPRIATION INCLUDED IN FOLLOWING PROGRAM F. PLANNED IN NEXT THREE YEARS G. PLANNING AND DESIGN COST H. REMAINING DEFICIENCY							917 917 0 489,000 80,867 855,373 0 0			
I. GRAND TOTAL										1,425,240
8. PROJECTS REQUESTED) IN THIS PROGRA	AM:					COST	D	FSIGN	STATUS
CODE	NUMBER		PRC	<u>)JECT TITI</u>	<u> </u>		(\$000)	S	TART	COMPLETE
14162	24649	HIGF	I PERFOR	MANCE (COMPUTI	ING	<u></u>	_		
14162	26170	NSAV	CENTER 2 (FY14) \$431,000 SAW Recapitalize Building # 1/Site M \$58,000 (FY14)				De Ma	ec 2010 ny 2011	July 2012 Mar 2013	
9. FUTURE PROJECTS:				<u> </u>						
a. INCLUDED IN FOLLOW	VING PROGRAM									200m
CATEGORY	PROJECT			PROJE	ECT TITLE				(COST \$000)
14162	26170	Ν	JSAW Rec	capitalize F	Ruilding #1	Site M (I	FY15)		\$	<u>45.600</u>
81242	27532	NSAW Campus Building Feeders (FY15) \$35,267					35,267			
				•	-					
b. PLANNED IN NEXT TH	REE YEARS									COUT
CODE	NUMBER			PROJ	<u>ECT TITLE</u>				C	COS 1 \$000)
<u></u>	<u>monde</u> r								77	<u>\$0007</u>
81242	27532	North Campus Building Feeders (FY16) \$16,000						16.000		
73074	TBD	NSAW Vehicle Control Points (VCP) (FY16)					2	23,500		
61050	24892		Coope	r Avenue I	Facility/SW	VM (FY16	5)		\$	5,000
89121	21099		Ň	SAW Boi	ler Plant (I	FY16)			\$	26.500
14162	27565		NSA	W Recapit	talization #	2 (FÝ17)			\$3	800.000
81242	27532		NS	AW Camp	us Feeders	(FY17)			\$3	31.700
73074	25081	NS	SAW Vehi	cle Contro	l Inspectio	n Facility	(FY18)		\$1	.5.803
14162	27565		NSA	W Recapi	talization #	2 (FY18)	(- ,		\$4	00.000
73074	TBD			NSAW	VCPs (FY)	18)			\$3	36,870
10. MISSION OR MAJOR F Agency activities are c	JUNCTION lassified.									
11. OUTSTANDING POLL	UTION AND SAFF	TY DEFICIEN	CIES:							
A. AIR POLLUTION	i	TBD								
B. WATER POLLUT	ION	TBD								
C. OCCUPATIONAL	NAL SAFETY AND HEALTH TBD									
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		UNCLAS	SIFIED						
1. COMPONENT NSA/CSS DEFENSE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA				2. Date	2. Date March 2013			
3. Installation and Location	1		4. Project Title						
FT. George G. Meade, Maryland			HIGH PER INCREME	HIGH PERFORMANCE COMPUTING CENTER (HPCC), INCREMENT 3					
5. Program Element	6. Category Code 14162	7. Project Number 24649	8. Project Cos	st (\$000) FY14	\$431,000				
	1	9. COST ES7	TIMATES						
PRIMARY FACILITY	Item		U/M	Quantity	Unit Cost	Cost (\$000) 523 418			
Data Hall Mechanical Systems Electrical Systems Generator Plant Chiller Plant Commissioning			LS LS LS LS LS LS			$\begin{array}{c} \underbrace{(92,393)}{(160,189)}\\(229,752)\\(11,473)\\(23,210)\\(6,401)\end{array}$			
SUPPORTING FACILITIES Primary Electrical Service Site Infrastructure/Utilities/Demo Site Security Perimeter Control (Anti-Terrorism/Force Protection) Construction Security			LS LS LS LS			<u>152,008</u> (34,071) (91,887) (15,550) (10,500)			
TOTAL CONTRUCTION Contingency (~5%) SUBTOTAL SIOH (5.70%) Design/build - Design Cost Total Project Request TOTAL PROJECT COST	COST					675,426 33,771 709,197 40,424 42,552 792,173 792,200			
Equipment / Furniture / IT & Appropriations	: Security Fit-up Pro	wided From Other				(40,000)			

10. DESCRIPTION OF PROPOSED CONSTRUCTION: The FY14 appropriation amount represents the third increment of the High Performance Computing Center totaling 60 MW of technical load. The effort includes building shell and core or modular structural components; finished flooring (both raised and administrative); ceiling; associated air pollution control as required; and electrical, mechanical, back-up generation to support critical processes and fire suppression systems. Building utilities will include building electrical service, chilled water equipment and comfort cooling systems, communications backbone, fire alarm and protection systems and plumbing. Site infrastructure will include primary electrical service to the site, stormwater management to mitigate environmental impact, domestic water, reclaimed water, sewer and as required all connection fees. Security measures include, but are not limited to, an interim and permanent perimeter security with fencing, access control facilities and internal security systems. Physical and Technical security of the construction site will be assured. The requirement includes, but is not limited to, substations, roadways, requisite parking, potable water, reclaimed water, waste water management and any other requirements resulting from design and or mission developments and final site(s) determination. This project will be designed in accordance with the Uniform Federal Accessibility Standards (UFAS) Americans with Disabilities Act (ADA) Accessibility Guidelines and Antiterrorism Force Protection (ATFP) standards. Unified Facilities Criteria (UFC) will be an integral part of design consideration. This project is to be compliant with the current version of the Maryland Procurement Office (MPO), Facilities Engineering Design Standards (FEDS).

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1. Component NSA/CSS DEFENSE	FY 2014 MI	LITARY CONSTRUC	TION PROJECT DATA	2. Date March 2013			
3. Installation and Location			4. Project Title	1			
FT. George	e G. Meade, Marylar	nd	HIGH PERFORMANCE C INCREMENT 3	OMPUTING CENTER (HPCC),			
5. Program Element	6. Category Code	7. Project Number	8. Project Cost (\$000)				
	14162	24649	FY14	\$431,000			
11. REOUIREMENT: ~60	MW Tech Load	ADEOUATE: None	SUBSTA	NDARD: None			
PROJECT: Construct60 MW HIGH PERFORMANCE COMPLITING CENTER							
A Project Cust (900) If Ids2 If Ids2							
DD Form 1391, DEC 76							

UNCLASSIFIED							
1. Component	2. Date						
NSA/CSS DEFENSE	· · · · · · · · · · · · · · · · · · ·			March 2013			
3. Installation and Location			4. Project Title				
FT. George	G. Meade, Marylan	.d	HIGH PERFORMANCE CC INCREMENT 3	OMPUTING CENTER (HPCC),			
5. Program Element	6. Category Code	7. Project	8. Project Cost (\$000				
	14162	Number	FY14	\$431,000			
Facility will be designed and certified to the highest LEED certification attainable within available resources with a target of LEED-NC Silver and will include: sustainable site characteristics, water and energy efficiency, materials and resources criteria, and indoor environmental quality. <u>CURRENT SITUATION</u> : No current data processing capability exists at the planned location to meet anticipated mission requirements.							
IMPACT IF NOT PROVIDE Current and anticipated mission	<u>D</u> : on requirements wil	ll not be met without	completion in the specified time	frame.			
 <u>ADDITIONAL</u>: a) The project will be coordinated with the installation physical security plan, and all physical security measures are included. b) All required environmental and AT/FP measures are included. c) An economic analysis has been prepared and used in evaluating this project. This project is the most cost effective method to satisfy the requirement. d) This project will provide government support facilities, including but not limited to trailers or other suitable office space, communications equipment and services, furniture and other support as required managing the design and construction phases of the project and any other requirements resulting from design and or mission developments. 							
 12. SUPPLEMENTAL DATA a) Status (i) Date Design Started (ii) Percent Completed as of (iii) Date Design - Build RI (iv) Parametric Estimates h (v) Type of Design Contract b) Basis (i) Standard or Definitive I (ii) Date Design was Most (iii) Percentage of Design I c) Total Design Cost (Total \$ (i) Production of Plans an Design-Build RFP - Design-Build Design (ii) Total Design Cost (iii) (iv) Contract Design-Build RFP Design-Build Design (v) In House d) Construction Contract Awa e) Construction Complete - Pi 	A: of May 2012 FP Completed ave been used to de ot Design: Recently Used: Utilizing Standard E 000) d Specs P&D 1 - MILCON)=(i)+(ii) or (iv)+(v) n ard roject	velop project cost Design	Dec 2010 35% July 2012 Yes Design/Build Yes N/A N/A \$11,000 \$42,552 \$53,552 \$11,000 \$42,552 \$53,552 \$11,000 \$42,552 Oct 2012 Dec 2012 Jan 2015				

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		UNCLASSIFI	ED					
1. Component NSA/CSS DEFENSE	FY 2014	FY 2014 MILITARY CONSTRUCTION PROJECT DATA				2. Date March 2013		
3. Installation and Location			4.	4. Project Title				
FT. George G. Meade, Maryland				NSAW RECAPITALIZE BUILDING #1/SITE M, INCREMENT 2				
5. Program Element	6. Category Code 14162	7. Project Number 26170	8. Project Cost (\$000) FY14 \$58,000			,000		
		9. COST ESTIM	IATES					
	Item			U/M	Quantity	Unit Cost	Cost (\$000)	
PRIMARY FACILITY NSAW Recapitalization Leadership in Energy a Sustainable Design and Anti-terrorism/Force Pr	n Building #1 nd Environmental Des Development (SSD) a rotection (AT/FP)	ign (LEED) and Energy Policy ACT		SF LS LS	148,500	\$541.50	86,980 (80,413) (1,818) (4,749)	
SUPPORTING FACIL (To include general util existing facilities, parki	ITIES ities and infrastructure ng structure)	e, site work, replacement of					<u>28,818</u>	
TOTAL CONSTRUCT CONTINGENCY (5.00 SUBTOTAL SIOH (5.70%) TOTAL PROJECT CO TOTAL PROJECT CO Installed Equipment Pro	TION COST 0%) OST OST (ROUNDED) wided from Other App	propriations					115,798 5,790 121,588 6,930 128,518 128,600 (57,881)	

10. <u>DESCRIPTION OF PROPOSED CONSTRUCTION</u>: 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 FY14 appropriation amount represents the second 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.

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		UNCLASSIFIED)	
1. Component	FY 2014 MI	LITARY CONSTRUCTION	PROJECT DATA	2. Date
NSA/CSS DEFENSE				March 2013
3. Installation and Location			4. Project Title	
FT. Geo	orge G. Meade, Mar	yland	NSAW RECAPITA IN	LIZE BUILDING #1/SITE M, CREMENT 2
5. Program Element	6. Category Code	7. Project Number	8. Project Cost (\$000	
	14162	26170		FY14 \$58,000
11. REQUIREMENT: 148,432	2 SF	ADEQUATE: NONE	SUBSTA	NDARD: NONE
PROJECT: Construct mult	i-story mission supp	port facility and structured p	arking facility. (Current l	Mission).
<u>REQUIREMENT</u> : This bu infrastructure necessary to s technologically advanced s requirements of developing workspace that offers the m the NSAW recapitalization phased development.	ilding will provide f support both current pace required to acc- mission sets. The b odern and reliable is plan, where aging fa	NSA with a flexible and sca and future technological re ommodate the high power a puilding provides the opport nfrastructure required for ef acilities and infrastructure a	lable building that can ac quirements. This facility nd cooling demands nece cunity for physically dema ficient operations. This f re replaced through an ef	commodate the modern is required to provide the type of essitated by the equipment anding customers to migrate to a facility represents the beginning of ficient and affordable long term
CURRENT SITUATION: to accommodate changing unable to keep pace with th the current space inventory	Currently, the existi mission requirement the growing power, sp	ng facilities on the NSAW of ts. Furthermore, the aging in pace, and cooling demands	campus are undersized to nfrastructure of many of t of modern technology, th	provide the swing space necessary he existing facilities on NSAW is ereby limiting the efficient use of
IMPACT IF NOT PROVII impeding the ability to effe	DED: If this facility operate and	is not funded, NSA will co meet its mission.	ntinue to overburden exis	sting facilities and infrastructure
<u>ADDITIONAL</u> : This project included. All required antit evaluating this project. Th Life Cycle cost-effective project. Th Executive Order 13423, 10	ect has been coordin errorism protection is project is the mos ractices, will be inte USC 2802(c), and c	ated with the installation ph measures are included. An t cost-effective method to sa grated into the design, deve other applicable laws and E	hysical security plan, and economic analysis has be atisfy the requirement. S lopment, and construction xecutive Orders.	all physical security measures are een prepared and utilized in ustainable principles, to include n of the project in accordance with
This project has been conside	red for joint use pot	ential. The facility will sur	port other components.	
NATO SECURITY INVEST eligible.	MENT: This projec	ct is not within a common N	ATO Infrastructure categ	gory, nor is it expected to become
12. SUPPLEMENTAL DAT.	A:			
 Status (a) Design Start: (b) Design Complete (c) Construction Aw (d) Construction Co (e) Type of Contrac Total Cost Construction: 	e: ard: mplete: t:		Dec Mar Apr Sep Desi	2011 2013 2013 2015 gn/Bid/Build 8,600
				188