

DEPARTMENT OF THE NAVY

Fiscal Year (FY) 2017

BUDGET ESTIMATES

FY 2017 Program



MILITARY CONSTRUCTION ACTIVE FORCE (MCON)

AND FAMILY HOUSING PROGRAMS

JUSTIFICATION DATA

As Submitted to Congress

February 2016

The estimated cost for this report for the Department of the Navy (DON) is \$57,755.

The estimated total cost for supporting the DON budget justification material is approximately \$1,834,000 for the 2016 fiscal year. This includes \$75,200 in supplies and \$1,758,800 in labor.

Part 1: Military Construction Active Force (MCON)

Part 2: Family Housing

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TAB:

MCON

DEPARTMENT OF THE NAVY

Fiscal Year (FY) 2017

BUDGET ESTIMATES

FY 2017 Program



MILITARY CONSTRUCTION

ACTIVE FORCE (MCON)

JUSTIFICATION DATA
Submitted to Congress
February 2016

2016-02-02(0811)

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**DEPARTMENT OF THE NAVY
FY 2017 Military Construction**

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**DEPARTMENT OF THE NAVY
FY 2017 Military Construction**

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**DEPARTMENT OF THE NAVY
FY 2017 Military Construction
Summary of Locations**

<u>State/Country</u>	Auth Request	Approp Request
	(\$000)	(\$000)
<u>Inside The United States</u>		
ARIZONA	48,355	48,355
CALIFORNIA	158,414	158,414
FLORIDA	20,489	20,489
HAWAII	115,949	115,949
MAINE	47,892	47,892
MARYLAND	40,576	40,576
NEVADA	13,523	13,523
NORTH CAROLINA	30,997	30,997
SOUTH CAROLINA	113,372	113,372
WASHINGTON	123,095	123,095
Subtotal	712,662	712,662
<u>Outside the United States</u>		
GUAM	89,185	89,185
JAPAN	42,909	42,909
SPAIN	23,607	23,607
Subtotal	155,701	155,701
<u>Various Locations</u>		
Various Locations	41,380	159,400
Subtotal	41,380	159,400
Total - FY 2017 Military Construction	909,743	1,027,763

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**DEPARTMENT OF THE NAVY
FY 2017 Military Construction**

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Inside the United States</u>						
ARIZONA						
		MCAS YUMA AZ <u>YUMA, ARIZONA</u>				
	612	VMX-22 Maintenance Hangar	48,355	48,355	New	3
		Subtotal	48,355	48,355		
		Total - ARIZONA	48,355	48,355		
CALIFORNIA						
		NAVBASE CORONADO SAN DIEGO CA <u>CORONADO, CALIFORNIA</u>				
	947	Coastal Campus Entry Control Point	13,044	13,044	New	11
	963	Grace Hopper Data Center Power Upgrades	10,353	10,353	Current	17
	991	Coastal Campus Utilities Infrastructure	81,104	81,104	Current	23
		Subtotal	104,501	104,501		
		NAS LEMOORE CA <u>LEMOORE, CALIFORNIA</u>				
	380	F-35C Engine Repair Facility	26,723	26,723	New	29
		Subtotal	26,723	26,723		
		NAVBASE SAN DIEGO <u>SAN DIEGO, CALIFORNIA</u>				
	624	Energy Security Hospital Microgrid	6,183	6,183	Current	35
		Subtotal	6,183	6,183		
		NAVWPNSTA SEAL BEACH <u>SEAL BEACH, CALIFORNIA</u>				
	223	Missile Magazines	21,007	21,007	Current	41
		Subtotal	21,007	21,007		
		Total - CALIFORNIA	158,414	158,414		
FLORIDA						
		NAS WHITING FLD MILTON FL <u>EGLIN AFB, FLORIDA</u>				
	926	WMD Field Training Facilities	20,489	20,489	Current	47
		Subtotal	20,489	20,489		
		Total - FLORIDA	20,489	20,489		
HAWAII						
		CNI PMRF HAWREA BARKING SANDS <u>BARKING SANDS, HAWAII</u>				
	402	Upgrade Power Plant & Electrical Distrib Sys	43,384	43,384	Current	55
		Subtotal	43,384	43,384		
		MARINE CORPS BASE HAWAII <u>KANEOHE BAY, HAWAII</u>				
	923	Regimental Consolidated Comm/Elec Facility	72,565	72,565	Current	63
		Subtotal	72,565	72,565		
		Total - HAWAII	115,949	115,949		

**DEPARTMENT OF THE NAVY
FY 2017 Military Construction**

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Inside the United States</u>						
MAINE						
		NSS PORTSMOUTH NAVY SHIPYARD <u>KITTERY, MAINE</u>				
	285	Unaccompanied Housing	17,773	17,773	Current	71
	371	Utility Improvements for Nuclear Platforms	30,119	30,119	Current	75
		Subtotal	47,892	47,892		
		Total - MAINE	47,892	47,892		
MARYLAND						
		NAVAL AIR STATION PAX RIVER <u>PATUXENT RIVER, MARYLAND</u>				
	265	UCLASS RDT&E Hangar	40,576	40,576	New	81
		Subtotal	40,576	40,576		
		Total - MARYLAND	40,576	40,576		
NEVADA						
		NAS FALLON NV <u>FALLON, NEVADA</u>				
	440	Air Wing Simulator Facility	13,523	13,523	Current	89
		Subtotal	13,523	13,523		
		Total - NEVADA	13,523	13,523		
NORTH CAROLINA						
		MARINE CORPS BASE CAMP LEJEUNE <u>CAMP LEJEUNE, NORTH CAROLINA</u>				
	1428	Range Facilities Safety Improvements	18,482	18,482	Current	97
		Subtotal	18,482	18,482		
		MCAS CHERRY POINT NC <u>CHERRY POINT MCAS, NORTH CAROLINA</u>				
	224	Central Heating Plant Conversion	12,515	12,515	Current	105
		Subtotal	12,515	12,515		
		Total - NORTH CAROLINA	30,997	30,997		
SOUTH CAROLINA						
		MARINE CORPS AIR STATION BEAUFORT <u>BEAUFORT, SOUTH CAROLINA</u>				
	464	Aircraft Maintenance Hangar	83,490	83,490	New	113
		Subtotal	83,490	83,490		
		MCRD/BEAUFORT PI SC <u>PARRIS ISLAND, SOUTH CAROLINA</u>				
	403	Recruit Reconditioning Center & Barracks	29,882	29,882	Current	121
		Subtotal	29,882	29,882		
		Total - SOUTH CAROLINA	113,372	113,372		

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FY 2017 Military Construction**

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Inside the United States</u>						
WASHINGTON						
		NAVAL BASE KITSAP <u>BANGOR, WASHINGTON</u>				
	876	Service Pier Electrical Upgrades	18,939	18,939	Current	129
		Subtotal	18,939	18,939		
		NAVAL BASE KITSAP <u>BREMERTON, WASHINGTON</u>				
	400	Submarine Refit Maint Support Facility	21,476	21,476	Current	135
	438	Nuclear Repair Facility	6,704	6,704	Current	141
		Subtotal	28,180	28,180		
		NAS WHIDBEY ISLAND WA <u>WHIDBEY ISLAND, WASHINGTON</u>				
	240	Triton Mission Control Facility	30,475	30,475	New	147
	256	EA-18G Maintenance Hangar	45,501	45,501	New	153
		Subtotal	75,976	75,976		
		Total - WASHINGTON	123,095	123,095		
		Total - Inside The United States	712,662	712,662		
<u>Outside the United States</u>						
GUAM						
		NAVBASE GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	102	Power Upgrade - Harmon	62,210	62,210	New	161
	652	Hardening of Guam POL Infrastructure	26,975	26,975	Current	165
		Subtotal	89,185	89,185		
		Total - GUAM	89,185	89,185		
JAPAN						
		MARINE CORPS BASE, CAMP SMEDLEY BUTLER <u>KADENA AB, JAPAN</u>				
	807	Aircraft Maintenance Complex	26,489	26,489	New	171
		Subtotal	26,489	26,489		
		COMFLEACT SASEBO JA <u>SASEBO, JAPAN</u>				
	325	Shore Power (Juliet Pier)	16,420	16,420	Current	179
		Subtotal	16,420	16,420		
		Total - JAPAN	42,909	42,909		
SPAIN						
		NAVSTA ROTA SP <u>ROTA, SPAIN</u>				
	621	Communication Station	23,607	23,607	Current	185
		Subtotal	23,607	23,607		
		Total - SPAIN	23,607	23,607		

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Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Outside the United States</u>						
Total - Outside The United States			155,701	155,701		
<u>Various Locations</u>						
	154	Triton Forward Operating Base Hangar	41,380	41,380	New	191
	227	Planning & Design	0	88,230	Current	197
	217	MCON Unspecified Minor Construction	0	29,790	Current	199
Total - Various Locations			41,380	159,400		
Grand Total			909,743	1,027,763		

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Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Inside the United States</u>						
CALIFORNIA						
		NAVBASE CORONADO SAN DIEGO CA <u>CORONADO, CALIFORNIA</u>				
	947	Coastal Campus Entry Control Point	13,044	13,044	New	11
	963	Grace Hopper Data Center Power Upgrades	10,353	10,353	Current	17
	991	Coastal Campus Utilities Infrastructure	81,104	81,104	Current	23
		Subtotal	104,501	104,501		
		NAS LEMOORE CA <u>LEMOORE, CALIFORNIA</u>				
	380	F-35C Engine Repair Facility	26,723	26,723	New	29
		Subtotal	26,723	26,723		
		NAVBASE SAN DIEGO <u>SAN DIEGO, CALIFORNIA</u>				
	624	Energy Security Hospital Microgrid	6,183	6,183	Current	35
		Subtotal	6,183	6,183		
		NAVWPNSTA SEAL BEACH <u>SEAL BEACH, CALIFORNIA</u>				
	223	Missile Magazines	21,007	21,007	Current	41
		Subtotal	21,007	21,007		
		Total - CALIFORNIA	158,414	158,414		
FLORIDA						
		NAS WHITING FLD MILTON FL <u>EGLIN AFB, FLORIDA</u>				
	926	WMD Field Training Facilities	20,489	20,489	Current	47
		Subtotal	20,489	20,489		
		Total - FLORIDA	20,489	20,489		
HAWAII						
		CNI PMRF HAWREA BARKING SANDS <u>BARKING SANDS, HAWAII</u>				
	402	Upgrade Power Plant & Electrical Distrib Sys	43,384	43,384	Current	55
		Subtotal	43,384	43,384		
		Total - HAWAII	43,384	43,384		
MAINE						
		NSS PORTSMOUTH NAVY SHIPYARD <u>KITTERY, MAINE</u>				
	285	Unaccompanied Housing	17,773	17,773	Current	71
	371	Utility Improvements for Nuclear Platforms	30,119	30,119	Current	75
		Subtotal	47,892	47,892		
		Total - MAINE	47,892	47,892		

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Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Inside the United States</u>						
MARYLAND						
		NAVAL AIR STATION PAX RIVER <u>PATUXENT RIVER, MARYLAND</u>				
	265	UCLASS RDT&E Hangar	40,576	40,576	New	81
		Subtotal	40,576	40,576		
		Total - MARYLAND	40,576	40,576		
NEVADA						
		NAS FALLON NV <u>FALLON, NEVADA</u>				
	440	Air Wing Simulator Facility	13,523	13,523	Current	89
		Subtotal	13,523	13,523		
		Total - NEVADA	13,523	13,523		
WASHINGTON						
		NAVAL BASE KITSAP <u>BANGOR, WASHINGTON</u>				
	876	Service Pier Electrical Upgrades	18,939	18,939	Current	129
		Subtotal	18,939	18,939		
		NAVAL BASE KITSAP <u>BREMERTON, WASHINGTON</u>				
	400	Submarine Refit Maint Support Facility	21,476	21,476	Current	135
	438	Nuclear Repair Facility	6,704	6,704	Current	141
		Subtotal	28,180	28,180		
		NAS WHIDBEY ISLAND WA <u>WHIDBEY ISLAND, WASHINGTON</u>				
	240	Triton Mission Control Facility	30,475	30,475	New	147
	256	EA-18G Maintenance Hangar	45,501	45,501	New	153
		Subtotal	75,976	75,976		
		Total - WASHINGTON	123,095	123,095		
		Total - Inside The United States	447,373	447,373		

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Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Outside the United States</u>						
GUAM						
		NAVBASE GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	652	Hardening of Guam POL Infrastructure	26,975	26,975	Current	165
		Subtotal	26,975	26,975		
		Total - GUAM	26,975	26,975		
JAPAN						
		COMFLEACT SASEBO JA <u>SASEBO, JAPAN</u>				
	325	Shore Power (Juliet Pier)	16,420	16,420	Current	179
		Subtotal	16,420	16,420		
		Total - JAPAN	16,420	16,420		
SPAIN						
		NAVSTA ROTA SP <u>ROTA, SPAIN</u>				
	621	Communication Station	23,607	23,607	Current	185
		Subtotal	23,607	23,607		
		Total - SPAIN	23,607	23,607		
		Total - Outside The United States	67,002	67,002		
<u>Various Locations</u>						
	154	Triton Forward Operating Base Hangar	41,380	41,380	New	191
	227	Planning & Design	0	88,230	Current	197
	217	MCON Unspecified Minor Construction	0	29,790	Current	199
		Total - Various Locations	41,380	159,400		

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Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Inside the United States</u>						
ARIZONA						
		MCAS YUMA AZ <u>YUMA, ARIZONA</u>				
	612	VMX-22 Maintenance Hangar	48,355	48,355	New	3
		Subtotal	48,355	48,355		
		Total - ARIZONA	48,355	48,355		
HAWAII						
		MARINE CORPS BASE HAWAII <u>KANEOHE BAY, HAWAII</u>				
	923	Regimental Consolidated Comm/Elec Facility	72,565	72,565	Current	63
		Subtotal	72,565	72,565		
		Total - HAWAII	72,565	72,565		
NORTH CAROLINA						
		MARINE CORPS BASE CAMP LEJEUNE <u>CAMP LEJEUNE, NORTH CAROLINA</u>				
	1428	Range Facilities Safety Improvements	18,482	18,482	Current	97
		Subtotal	18,482	18,482		
		MCAS CHERRY POINT NC <u>CHERRY POINT MCAS, NORTH CAROLINA</u>				
	224	Central Heating Plant Conversion	12,515	12,515	Current	105
		Subtotal	12,515	12,515		
		Total - NORTH CAROLINA	30,997	30,997		
SOUTH CAROLINA						
		MARINE CORPS AIR STATION BEAUFORT <u>BEAUFORT, SOUTH CAROLINA</u>				
	464	Aircraft Maintenance Hangar	83,490	83,490	New	113
		Subtotal	83,490	83,490		
		MCRD/BEAUFORT PI SC <u>PARRIS ISLAND, SOUTH CAROLINA</u>				
	403	Recruit Reconditioning Center & Barracks	29,882	29,882	Current	121
		Subtotal	29,882	29,882		
		Total - SOUTH CAROLINA	113,372	113,372		
		Total - Inside The United States	265,289	265,289		
<u>Outside the United States</u>						
GUAM						
		NAVBASE GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	102	Power Upgrade - Harmon	62,210	62,210	New	161
		Subtotal	62,210	62,210		
		Total - GUAM	62,210	62,210		

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Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Outside the United States</u>						
JAPAN						
		MARINE CORPS BASE, CAMP SMEDLEY BUTLER <u>KADENA AB, JAPAN</u>				
	807	Aircraft Maintenance Complex	26,489	26,489	New	171
		Subtotal	26,489	26,489		
		Total - JAPAN	26,489	26,489		
		Total - Outside The United States	88,699	88,699		

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Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request (\$000)	Mission Status
<u>Inside the United States</u>				
<u>ARIZONA</u>				
MCAS YUMA AZ YUMA, ARIZONA	612	VMX-22 Maintenance Hangar	48,355	New
<u>CALIFORNIA</u>				
NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA	947	Coastal Campus Entry Control Point	13,044	New
	963	Grace Hopper Data Center Power Upgrades	10,353	Current
	991	Coastal Campus Utilities Infrastructure	81,104	Current
NAS LEMOORE CA LEMOORE, CALIFORNIA	380	F-35C Engine Repair Facility	26,723	New
NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA	624	Energy Security Hospital Microgrid	6,183	Current
NAVWPNSTA SEAL BEACH SEAL BEACH, CALIFORNIA	223	Missile Magazines	21,007	Current
<u>FLORIDA</u>				
NAS WHITING FLD MILTON FL EGLIN AFB, FLORIDA	926	WMD Field Training Facilities	20,489	Current
<u>HAWAII</u>				
CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII	402	Upgrade Power Plant & Electrical Distrib Sys	43,384	Current
MARINE CORPS BASE HAWAII KANEHOE BAY, HAWAII	923	Regimental Consolidated Comm/Elec Facility	72,565	Current
<u>MAINE</u>				
NSS PORTSMOUTH NAVY SHIPYARD KITTEERY, MAINE	285	Unaccompanied Housing	17,773	Current
	371	Utility Improvements for Nuclear Platforms	30,119	Current
<u>MARYLAND</u>				
NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND	265	UCLASS RDT&E Hangar	40,576	New
<u>NEVADA</u>				
NAS FALLON NV FALLON, NEVADA	440	Air Wing Simulator Facility	13,523	Current
<u>NORTH CAROLINA</u>				
MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA	1428	Range Facilities Safety Improvements	18,482	Current
MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA	224	Central Heating Plant Conversion	12,515	Current

**DEPARTMENT OF THE NAVY
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Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request (\$000)	Mission Status
<u>Inside the United States</u>				
<u>SOUTH CAROLINA</u>				
MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA	464	Aircraft Maintenance Hangar	83,490	New
MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA	403	Recruit Reconditioning Center & Barracks	29,882	Current
<u>WASHINGTON</u>				
NAVAL BASE KITSAP BANGOR, WASHINGTON	876	Service Pier Electrical Upgrades	18,939	Current
NAVAL BASE KITSAP BREMERTON, WASHINGTON	400	Submarine Refit Maint Support Facility	21,476	Current
	438	Nuclear Repair Facility	6,704	Current
NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON	240	Triton Mission Control Facility	30,475	New
	256	EA-18G Maintenance Hangar	45,501	New
<u>Outside the United States</u>				
<u>GUAM</u>				
NAVBASE GUAM	102	Power Upgrade - Harmon	62,210	New
JOINT REGION MARIANAS, GUAM	652	Hardening of Guam POL Infrastructure	26,975	Current
<u>JAPAN</u>				
MARINE CORPS BASE, CAMP SMEDLEY BUTLER KADENA AB, JAPAN	807	Aircraft Maintenance Complex	26,489	New
COMFLEACT SASEBO JA SASEBO, JAPAN	325	Shore Power (Juliet Pier)	16,420	Current
<u>SPAIN</u>				
NAVSTA ROTA SP ROTA, SPAIN	621	Communication Station	23,607	Current
<u>Various Locations</u>				
<u>VARIOUS LOCATIONS</u>				
Various Locations	154	Triton Forward Operating Base Hangar	41,380	New
Various Locations	227	Planning & Design	88,230	Current
Various Locations	217	MCON Unspecified Minor Construction	29,790	Current

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Installation Index

Installation	Location	DD1390 PageNo.
	<u>B</u>	
NAVAL BASE KITSAP	BANGOR, WASHINGTON	127
CNI PMRF HAWREA BARKING SANDS	BARKING SANDS, HAWAII	53
MARINE CORPS AIR STATION BEAUFORT	BEAUFORT, SOUTH CAROLINA	111
NAVAL BASE KITSAP	BREMERTON, WASHINGTON	133
	<u>C</u>	
MARINE CORPS BASE CAMP LEJEUNE	CAMP LEJEUNE, NORTH CAROLINA	95
MCAS CHERRY POINT NC	CHERRY POINT MCAS, NORTH CAROLINA	103
NAVBASE CORONADO SAN DIEGO CA	CORONADO, CALIFORNIA	9
	<u>E</u>	
NAS WHITING FLD MILTON FL	EGLIN AFB, FLORIDA	45
	<u>F</u>	
NAS FALLON NV	FALLON, NEVADA	87
	<u>K</u>	
MARINE CORPS BASE HAWAII	KANEOHE BAY, HAWAII	61
NSS PORTSMOUTH NAVY SHIPYARD	KITTERY, MAINE	69
	<u>L</u>	
NAS LEMOORE CA	LEMOORE, CALIFORNIA	27
	<u>P</u>	
MCRD/BEAUFORT PI SC	PARRIS ISLAND, SOUTH CAROLINA	119
NAVAL AIR STATION PAX RIVER	PATUXENT RIVER, MARYLAND	79
	<u>S</u>	
NAVBASE SAN DIEGO	SAN DIEGO, CALIFORNIA	33
NAVWPNSTA SEAL BEACH	SEAL BEACH, CALIFORNIA	39
	<u>W</u>	
NAS WHIDBEY ISLAND WA	WHIDBEY ISLAND, WASHINGTON	145
	<u>Y</u>	
MCAS YUMA AZ	YUMA, ARIZONA	1

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DEPARTMENT OF THE NAVY
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Appropriation Language

SECTION 1 - APPROPRIATION LANGUAGE

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [\$1,669,239,000] \$1,027,763,000 to remain available until September 30, [2020] 2021. Provided, that of this amount, not to exceed [\$91,649,000] \$88,230,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

1. Deletion of FY 2016 appropriations shown in brackets.

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DEPARTMENT OF THE NAVY
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Special Program Considerations

FLOODPLAIN MANAGEMENT AND WETLANDS PROTECTION:

Proposed land acquisition, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Numbers 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL:

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PRESERVATION OF HISTORICAL SITES AND STRUCTURES:

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

PLANNING IN THE NATIONAL CAPITAL REGION:

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the commission's annual review of the Future Years Defense Program (FYDP). Construction projects within the District of Columbia, with the exception of the Bolling/Anacostia area, are submitted to the Commission for approval prior to the start of construction.

ENVIRONMENTAL PROTECTION:

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (Public Law 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the military construction program.

ECONOMIC ANALYSIS:

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives could be evaluated, a primary economic analysis was prepared.

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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM					2. Date 09 FEB 2016				
3. Installation and Location: M62974 MCAS YUMA AZ YUMA, ARIZONA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.08					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		419	3212	803	199	172	0	0	0	5204	10009
B. End FY 2020		417	3192	806	101	109	0	0	0	5204	9829
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(697578 Acres)											
B. INVENTORY AS OF 30 SEP 2015										2,069,349	
C. AUTHORIZATION NOT YET IN INVENTORY										29,285	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										48,355	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0	
F. PLANNED IN NEXT THREE PROGRAM YEARS										82,967	
G. REMAINING DEFICIENCY										575,622	
H. GRAND TOTAL										2,805,578	
8. Projects Requested In This Program											
<u>Cat</u>						<u>Design Status</u>				<u>Cost</u>	
<u>Code</u>	<u>Project Title</u>			<u>Start</u>	<u>Complete</u>	<u>Scope</u>				<u>(\$000)</u>	
21105	VMX-22 Maintenance Hangar			06/2014	08/2016	44430 m2				48,355	
TOTAL										48,355	
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
72210 Enlisted Dining Facility & Community Bldgs										32,908	
21107 Hangar 95 Renovation & Addition										23,995	
21188 F-35 Maintenance Built-In Test Pads										1,378	
84110 Water Treatment Plant										24,686	
TOTAL										82,967	
C. R&M Unfunded Requirement (\$000):										116,733	
10. Mission or Major Functions:											
Marine Corps Air Station Yuma supports and enhances the combat readiness of the 3rd Marine Aircraft Wing units and other Department of Defense units while improving the quality of life for military personnel, their families, and work force assigned to the Air Station. The Air Station maintains facilities and property, provides security and other services, and operates the airfield in support of tenant units and other forces training/preparing for combat in order to deter, prevent, and defeat threats and aggression aimed at the United States.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):										0	
B. Occupational Safety and Health(OSH)(#):										0	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: M62974 MCAS YUMA AZ YUMA, ARIZONA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.08

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title VMX-22 Maintenance Hangar	
5. Program Element 0202176M	6. Category Code 21105	7. Project Number P612	8. Project Cost (\$000) 48,355	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
VMX-22 MAINTENANCE HANGAR (478,241SF)	m2	44,430		36,800
MAINTENANCE HANGAR - TYPE II (HIGH BAY) CC21105 (79,126SF)	m2	7,351	2,703	(19,870)
AIRCRAFT PARKING APRON CC11320 (382,614SF)	m2	35,546	225	(8,000)
ARFF ADMIN CC61010 (6,501SF)	m2	604	2,026	(1,220)
AIRCRAFT MAINTENANCE SHOP CC21108 (10,000SF)	m2	929	2,197.3	(2,040)
BUILT-IN EQUIPMENT	LS			(1,790)
SPECIAL COSTS	LS			(3,700)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(180)
SUPPORTING FACILITIES				6,760
SITE PREPARATIONS	LS			(530)
PAVING AND SITE IMPROVEMENTS	LS			(1,070)
ANTI-TERRORISM/FORCE PROTECTION	LS			(150)
ELECTRICAL UTILITIES	LS			(2,640)
MECHANICAL UTILITIES	LS			(230)
ENVIRONMENTAL MITIGATION	LS			(130)
DEMOLITION	LS			(2,010)
SUBTOTAL				43,560
CONTINGENCY (5%)				2,180
TOTAL CONTRACT COST				45,740
SIOH (5.7%)				2,610
SUBTOTAL				48,350
TOTAL REQUEST ROUNDED				48,350
TOTAL REQUEST				48,355
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4,418)
10. Description of Proposed Construction:				
Constructs a Type II multi-story (High Bay) aircraft maintenance hangar to include steel-frame and trusses, reinforced concrete masonry unit (CMU) walls, reinforced concrete shallow foundation, concrete slab, and floors.				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title VMX-22 Maintenance Hangar	
5. Program Element 0202176M	6. Category Code 21105	7. Project Number P612	8. Project Cost (\$000) 48,355	
<p>The hangar will be multi-stories to facilitate the integration mission of VMX-22 operational testing Projects Division. The hangar will include spaces for the following functions: maintenance high bay, crew and equipment, mission planning and briefing, operational test director projects division, engineering, data management, and administration. The Facility will include Secret Internet Protocol Router Network (SIPRNET), unclassified but sensitive Internet Protocol (IP) Router Network (NIPRNET) and Special Access Program Facilities (SAPF). The new facilities will provide support to the training, maintenance operations and operational testing of multiple Type/Model/Series aircraft assigned to Operational Testing & Evaluation Squadron 22 to include F-35B, MV-22B/C, CH-53E/K, H-1 and multiple unmanned aerial system (UAS).</p> <p>Constructs a new aircraft (A/C) parking apron north of the new hangar for parked aircraft waiting for testing and maintenance.</p> <p>Constructs a new administration facility to include steel-frame and trusses, reinforced CMU walls with reinforced concrete shallow foundation, concrete slab and floors for the displaced Aircraft Rescue and Fire Fighting (ARFF) administrative personnel in Building #144, that will be demolished to make room for the new hangar.</p> <p>Constructs a new aircraft maintenance shop facility to include steel-frame and trusses, reinforced CMU walls with reinforced concrete shallow foundation, concrete slab and floors for the displaced functions of Buildings #203 and #204 that will be demolished for the new hangar.</p> <p>Built-in equipment includes a seven ton bridge crane, aircraft exhaust and cooling system, compressed air system, welding hood, emergency generator, one passenger/freight combination elevator, and roof mounted antenna with walking platform and roof ladder access, bird deterrent system, catwalk and fall protection in the high bay, aqueous film-forming foam (AFFF) fire suppression system and tank, and oil water separator system.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), privilege taxes for Arizona State, Yuma County and Yuma City and temporary facilities for VMX administrative personnel during construction.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title VMX-22 Maintenance Hangar	
5. Program Element 0202176M	6. Category Code 21105	7. Project Number P612	8. Project Cost (\$000) 48,355	
<p>performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes site clearing, excavation, and preparation for construction.</p> <p>Paving and site Improvements includes rough and finish grading, landscaping, roadway/site circulation system (sidewalks, curbs, gutters, turnouts, crosswalks, signals, and signage/striping), flightline fencing, a flag pole, outdoor break area, trash enclosures, repair of disturbed aircraft paving and pads for back-up generator. Airfield concrete systems includes: striping, fixed-point utility systems, grounding points, sunshades and along with appropriate taxiway connections. Also included is repair or replacement of the points-of-connections (POC) to all primary utility distribution systems. Paving also covers personally owned vehicle (POV) parking facilities for approximately 370 spaces. Storm water management will consist of detention basins, swales and pervious pavement.</p> <p>Anti-Terrorism/Force Protection (AT/FP) features will be provided by the project and will comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Features include security fencing, barriers, bollards, personnel and vehicle gates, and turnstiles to support flightline security integrity.</p> <p>Electrical utilities include renewable energy systems, primary and secondary distribution systems and connections to generator, lighting, transformers, and telecommunications infrastructure, duct banks, cabling, manholes and handholds.</p> <p>Mechanical utilities include water lines, water booster and pumps, plumbing and plumbing fixtures, gas line and system, sanitary sewer lines, fire protection systems and supply lines.</p> <p>Environmental mitigation includes disposal of contaminated soil, lead and asbestos.</p> <p>Demolition of eighteen flightline storage type facilities (buildings, canopies, shops, and sheds) to clear the site for this project: #108, #115, #116, #120, #132, #139, #141, #142, #143, #144, #145, #146, #147, #148, #203, #204 and #205.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title VMX-22 Maintenance Hangar	
5. Program Element 0202176M	6. Category Code 21105	7. Project Number P612	8. Project Cost (\$000) 48,355	
<p>11. Requirement: <u>6,050 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>Constructs a new aircraft maintenance hangar, apron, admistration and maintenance facilities to support basing and integration of the Operational Test & Evaluation Squadron 22 (VMX-22) and the maintenance and operations associated with the following aircraft: F-35B, MV-22B/C, UH-53E/K, H-1 and multiple UAS platform.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>Maintenance hangar is required to provide weather-protection as well as meet security protocols for appropriate aircraft during the servicing and repair at the organizational level. The new hangar facility is necessary to support the training, maintenance and operational testing and evaluation required by VMX-22 at MCAS Yuma.</p> <p>CURRENT SITUATION:</p> <p>Marine Corps Aviation is consolidating its Operational Test & Evaluation (OT&E) mission at MCAS Yuma from multiple locations including Naval Air Station Patuxent River, MCAS New River, Camp Pendleton, NAS China Lake, and Edwards Air Force Base. Specifically, the Marine Corps is consolidating all of its aviation OT&E missions and assets under the command and direction of VMX-22 at MCAS Yuma. VMX-22 will control an exponentially bigger force, and the first VMX units began arriving at Yuma in June 2015. The OT&E force includes all H-1 (2 UH-1Ys, 2 AH-1Zs, 1 AH-1W), G/ATOR, CAC2S, MQ-21, MV-22, CH-53 and UAS, which will arrive between 2016 and 2018. That force will also initially include control of 4 F-35Bs at Edwards Air Force Base and then increase to 8 F-35Bs when those F-35s move to Yuma in 2019. Interim OT&E operations and maintenance will continue in an existing hangar needed to support regular transient aircraft operations until this project is complete, placing additional burdens on the base. Once fully co-located, VMX-22 will be approximately six times larger than its current form and the Marine Corps must build facilities to house it in MCAS Yuma.</p> <p>No existing facilities at MCAS Yuma can accommodate the full integration requirement of VMX-22.</p> <p>This project is not sited in the 100-year flooplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>VMX-22 will not have adequate facilities to perform required maintenance, aircraft modifications, operational testing and evaluation, and daily operations required for mission success.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title VMX-22 Maintenance Hangar	
5. Program Element 0202176M	6. Category Code 21105	7. Project Number P612	8. Project Cost (\$000) 48,355	

12. Supplemental Data:

A. Estimated Design Data:

- Status:

(A) Date design or Parametric Cost Estimate started	06/2014
(B) Date 35% Design or Parametric Cost Estimate complete	07/2015
(C) Date design completed	08/2016
(D) Percent completed as of September 2015	35%
(E) Percent completed as of January 2016	40%
(F) Type of design contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy Study/Life Cycle Analysis performed	No
- Basis:

(A) Standard or Definitive Design	No
(B) Where design was previously used	
- Total Cost (C) = (A) + (B) = (D) + (E):

(A) Production of plans and specifications	\$2,900
(B) All other design costs	\$147
(C) Total	\$3,047
(D) Contract	\$2,900
(E) In-house	\$147
- Contract award: 12/2016
- Construction start: 01/2017
- Construction complete: 05/2019

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

<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Comm switches & VOIP ONTs	PMC	2017	400
Furniture, Fixtures & Equipment	O&MMC	2017	2,018
PS Equipment	PMC	2017	1,500
Upgrade to FO Backbone	PMC	2017	500

JOINT USE CERTIFICATION:

The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.

Activity POC: Project Development Lead Phone No: 928-269-3523

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title VMX-22 Maintenance Hangar	
5. Program Element 0202176M	6. Category Code 21105	7. Project Number P612	8. Project Cost (\$000) 48,355	
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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.15			
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		2032	15659	3403	0	0	0	300	985	0	22379
B. End FY 2020		1833	13009	3403	0	0	0	300	985	0	19530
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(4777 Acres)											
B. INVENTORY AS OF 30 SEP 2015											6,207,130
C. AUTHORIZATION NOT YET IN INVENTORY											73,060
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											104,501
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											73,579
G. REMAINING DEFICIENCY											980,417
H. GRAND TOTAL											7,438,687
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
73025	Coastal Campus Entry Control Point	09/2014	01/2017	1268 m2	13,044						
13115	Grace Hopper Data Center Power Upgrades	07/2014	12/2016	4500 kw	10,353						
81231	Coastal Campus Utilities Infrastructure	09/2014	09/2016	0 LS	81,104						
TOTAL											104,501
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
72111 Construct BEQ Complex, NAB											73,579
TOTAL											73,579
C. R&M Unfunded Requirement (\$000):											1,905,685
10. Mission or Major Functions:											
<p>Naval Base Coronado's mission is to provide the highest quality base operating support and quality of life services to U.S. Navy operating forces and for assigned activities and other commands as needed, and to provide the right support, at the right time, in the right amount, enabling operating forces to produce the right level of combat readiness; that is, support the Fleet, Fighter and Family. Naval Base Coronado includes the following sites: Naval Air Station North Island, Coronado; Naval Amphibious Base, Coronado; Naval Outlying Landing Field, Imperial Beach; Naval Auxiliary Landing Field, San Clemente Island; Silver Strand Training Complex, Coronado; Camp Michael Monsoor Mountain Warfare Training Center, La Posta; Camp Morena, La Posta and the Remote Training Site, Warner Springs.</p>											
11. Outstanding Pollution and Safety Deficiencies (\$000):											

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.15
A. Pollution Abatement(*):		0
B. Occupational Safety and Health(OSH)(#):		0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Entry Control Point	
5. Program Element 0816176N	6. Category Code 73025	7. Project Number P947	8. Project Cost (\$000) 13,044	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
COASTAL CAMPUS ENTRY CONTROL POINT (13,649SF)	m2	1,268		3,550
GATE HOUSE/CANOPIES CC73025 (13,649SF)	m2	1,268	2,681.46	(3,400)
SPECIAL COSTS	LS			(120)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				8,200
SITE PREPARATIONS	LS			(570)
PAVING AND SITE IMPROVEMENTS	LS			(4,500)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,290)
ELECTRICAL UTILITIES	LS			(660)
MECHANICAL UTILITIES	LS			(780)
ENVIRONMENTAL MITIGATION	LS			(400)
SUBTOTAL				11,750
CONTINGENCY (5%)				590
TOTAL CONTRACT COST				12,340
SIOH (5.7%)				700
SUBTOTAL				13,040
TOTAL REQUEST ROUNDED				13,040
TOTAL REQUEST				13,044
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(375)
10. Description of Proposed Construction:				
<p>Construct a new entry control point (ECP) including a gate, sentry house, truck inspection booth and canopy. The construction materials include steel structure, masonry bearing walls, concrete pile and slab foundations, and standing seam metal roofs. A separate inspection and queuing area for privately owned vehicles will be provided adjacent to the truck inspection booth. Perimeter high-security fencing will be constructed to funnel pedestrians and traffic to the guard booths and prevent entry to the base at any other point. This project does not supplement or replace the existing south gate.</p> <p>The project includes constructing a southbound right-turn lane and</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Entry Control Point	
5. Program Element 0816176N	6. Category Code 73025	7. Project Number P947	8. Project Cost (\$000) 13,044	
<p>northbound left-turn lane off SR75, which provides the required queuing length, traffic signals for the intersection, crosswalk and connection to the existing bicycle path located on the east side of SR 75. The work includes bicycle path, bus stops and pullouts, traffic markings and intersection improvements.</p> <p>Special costs include post construction contract award services (PCAS).</p> <p>Operations and maintenance support information is included in this project.</p> <p>Paving and site improvements include paved entry roads, signage, concrete curbs, gutters, dividers/medians, sidewalks, landscaping, erosion control measures, and irrigation and storm water pollution prevention measures. Also includes installation of a temporary access road for use during construction.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features in compliance with DOD Minimum Anti-Terrorism Standards for Buildings. Additional AT/FP features include in-ground active vehicle barriers, speed humps, concrete kneewall barricades, final denial barricades, vehicular and pedestrian security gates, a truck denial barricade, speed detection system, an under vehicle imaging system, an over-watch tower and hardened guard booths.</p> <p>Environmental mitigation includes the construction of a berm and free-standing wall to provide a natural buffer between the ECP and the nesting habitat of the Western Snowy Plover. Environmental Monitoring includes cultural and biological monitoring during construction.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>1,268 m2</u> Adequate: Substandard:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Entry Control Point	
5. Program Element 0816176N	6. Category Code 73025	7. Project Number P947	8. Project Cost (\$000) 13,044	
<p>PROJECT:</p> <p>Constructs a primary ECP to serve as the main entrance to Silver Strand Training Complex-South (SSTC-S) to adequately conduct standard vehicle identification checks, personal identification checks, and truck inspection checks at sentry posts as well as support higher force protections condition levels via use of modern AT/FP features. Project also constructs turn lanes on SR 75 to adequately manage in-coming and out-going traffic from SSTC-S.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>The ECP is required to provide the proper level of access control for all traffic onto SSTC-S. The objective of the ECP is to secure the installation from unauthorized access and intercept contraband while maximizing vehicular traffic flow. Based on the evaluation in the traffic analysis portion of the Environmental Impact Statement (EIS), SSTC-S requires an ECP located off of SR 75 to support the increased traffic resulting from the construction of programmed projects at the installation, which will generate over 3,300 personnel that will primarily use the new north ECP. Adequate facilities at the installation perimeter are required to maintain the safety and protection of the Navy's personnel and assets at SSTC-S, particularly in today's heightened force protection climate and considering the high-profile tenants that train at this location. The EIS also requires all construction traffic to use the existing construction north gate and then the new north ECP.</p> <p>Traffic control features are required to assist security forces in safely and comfortably controlling the growing volume of daily traffic without causing undue delays that may affect installation operations or off-installation public highway users.</p> <p>Street improvements are required to safely accommodate the new traffic patterns, ease congestion, improve on-base traffic flow, and improve traffic flow on cross streets to the main entrance/exit streets.</p> <p>CURRENT SITUATION:</p> <p>SSTC-S lacks proper facilities to meet the current level of heightened force protection requirements, as well as increased traffic flow as a result of the construction of the programmed projects at SSTC-S. Only one ECP supports SSTC-S and it is located on the south side of the installation with vehicles access through a neighborhood, with schools, stores, and houses.</p> <p>The existing ECP is has approximately 250 trips per day and is located at</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Entry Control Point	
5. Program Element 0816176N	6. Category Code 73025	7. Project Number P947	8. Project Cost (\$000) 13,044	
<p>the end of a neighborhood street frequently resulting in traffic backups in a residential neighborhood. Increased traffic frequently overloads the single ECP due to the traffic generated by training regimens on the installation and by the development of the northern portions of the installation. The current ECP is low-tech and is also not able to adequately inspect truck and commercial vehicle inspections.</p> <p>There is an existing chain linked fence and gate on the north side of the installation with a padlock and is only used by security. The existing road surface is not the required width and is a combination of concrete, asphalt, and gravel and has outlived its useful life showing signs of significant disrepair. This entrance is hardly ever used, inadequate for day-to-day use and has the lowest level of service.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>SSTC-S security force will continue to maintain an inefficient and strained defensive posture, jeopardizing safety and security of the installation's assets and personnel. As documented in the traffic study, traffic backups will continue to place military and civilian personnel in a compromised security position as they sit in traffic waiting to enter the installation and negatively affect the surrounding community with the increased traffic.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2014
(B) Date 35% Design or Parametric Cost Estimate complete				01/2016
(C) Date design completed				01/2017
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$745
(B) All other design costs				\$250
(C) Total				\$995
(D) Contract				\$245
(E) In-house				\$750

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Entry Control Point	
5. Program Element 0816176N	6. Category Code 73025	7. Project Number P947	8. Project Cost (\$000) 13,044	
4. Contract award:		04/2017		
5. Construction start:		05/2017		
6. Construction complete:		05/2018		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Electronic Security System		OPN	2018	300
Furniture, Fixtures & Equipment		OMN	2018	75
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Project Development Lead		Phone No: 619.545.1124		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Entry Control Point	
5. Program Element 0816176N	6. Category Code 73025	7. Project Number P947	8. Project Cost (\$000) 13,044	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA			4. Project Title Grace Hopper Data Center Power Upgrades	
5. Program Element 0301376N	6. Category Code 13115	7. Project Number P963	8. Project Cost (\$000) 10,353	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
GRACE HOPPER DATA CENTER POWER UPGRADES (1,279TR)	kw	4,500		6,950
ELECTRIC PRODUCTION PLANT CC81110 (1,279TR)	kw	4,500	1,349.89	(6,070)
BUILT-IN EQUIPMENT	LS			(530)
SPECIAL COSTS	LS			(280)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
SUPPORTING FACILITIES				2,370
SITE PREPARATIONS	LS			(130)
PAVING AND SITE IMPROVEMENTS	LS			(280)
ELECTRICAL UTILITIES	LS			(1,300)
MECHANICAL UTILITIES	LS			(250)
DEMOLITION	LS			(410)
SUBTOTAL				9,320
CONTINGENCY (5%)				470
TOTAL CONTRACT COST				9,790
SIOH (5.7%)				560
SUBTOTAL				10,350
TOTAL REQUEST ROUNDED				10,350
TOTAL REQUEST				10,353
10. Description of Proposed Construction:				
<p>Constructs a replacement on-site power generation system, associated electrical distribution and controls system consisting of multiple natural gas-fired generators with liquefied petroleum gas (LPG) back-up fuel, new integrated paralleling synchronization switchgear, electrical distribution switchboard, relays, programmable logic controls and an upgraded supervisory control and data acquisition system.</p> <p>Built-in equipment includes an LPG/propane storage facility. LPG fuel will be used by the generators whenever there is a natural gas flow interruption. The fuel storage facility will consist of multiple above ground LPG tanks. The facility will include all piping and pumping systems, leak detection systems, electrical distribution, control and monitoring systems, vaporizers and vapor/ air mixture systems.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA			4. Project Title Grace Hopper Data Center Power Upgrades	
5. Program Element 0301376N	6. Category Code 13115	7. Project Number P963	8. Project Cost (\$000) 10,353	
<p>Special costs include Post Construction Award Services (PCAS) and temporary facilities and equipment to maintain continuous operation of existing facilities during construction.</p> <p>Operation and Maintenance Support Information (OMSI) manuals are also included.</p> <p>Electrical utilities include electrical distribution, automatic transfer switch, service control board and site lighting.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>4,500 kw</u> Adequate: Substandard: <u>0 kw</u>				
<p>PROJECT:</p> <p>Upgrades the Grace Hopper Data Center's (GHDC) undersized and aging power plant with a right-sized and reliable on-site power generation plant and prepares the GHDC for disconnection from the base central heating steam plant.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>This project is required to protect the Navy's main communications and data center. As a primary hub for all naval base telecommunications in the southwest and northwest, a primary node for global network communications, a central data repository for naval legacy and enterprise network systems, and a relay point for terrestrial Nuclear Command, Control and Communications (NC3) messaging, this facility is required to have electrical power redundancy in order to keep the commands and missions in the building operational, regardless of the situation.</p> <p>Several key missions within GHDC, Building #1482, require 99.999 percent available and reliable backup power as established by the DoD for the Navy.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA			4. Project Title Grace Hopper Data Center Power Upgrades	
5. Program Element 0301376N	6. Category Code 13115	7. Project Number P963	8. Project Cost (\$000) 10,353	
<p>Redundancy is required for both the primary and secondary power sources. These missions are DoD defined Mission Assurance Category (MAC) level I systems.</p> <p>The center's key building and utility systems (including heating, ventilating and air conditioning, power, water, natural gas) require redundancy to be capable and meet the 99.999 percent reliability for mission performance. These systems must be ready to automatically switch to standby equipment/systems if one of the active components fails or does not satisfactorily perform during an outage.</p> <p>The steam decentralization project eliminates the base-wide steam co-gen plant and the steam going to the GHDC, which increases the electrical load required to cool down the building from 2.4 MW to 4.5 MW, including redundancy.</p> <p>CURRENT SITUATION:</p> <p>The GHDC's current power generating plant is a co-generation plant that is becoming too small to properly support the center's critical load. The current total San Diego Gas & Electric (SDG&E)(which is the primary source) supplied capacity is 3.3 MW, with approximately 85 percent of this load deemed as critical as required by the data center portion of the facility. The existing co-generation plant, which is the secondary and emergency back up source, can only provide a maximum of 1.8 MW, limiting growth of the GHDC, that has available physical space for future missions. A load above 1.8 MW would eliminate redundancy, which is not allowed. During the San Diego-wide power outage in September 2011, the critical load in the GHDC overwhelmed the capacity of the existing power generating system. Interim changes to the Electrical Distribution System have been made as mitigation until construction completion. Also since 2011, requests for space in the data center from the Military Sealift Command, Navy Information Operations Command and other commands have been denied due to lack of capacity and power generation limitation. The existing limitation from the building co-gen plant as backup limits the growth of the GHDC and also prevents some technical refreshes.</p> <p>Currently Building #1482 receives steam from a six-inch service line routed to the east end of the building. This steam provides energy for space heating, space cooling and domestic hot water heating in the building. This building has four 650 kW gas-fired, water cooled electrical generators. The units are also provided with heat recovery, which allows the generators to produce hot water for the absorption chillers when the generators are running.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA			4. Project Title Grace Hopper Data Center Power Upgrades	
5. Program Element 0301376N	6. Category Code 13115	7. Project Number P963	8. Project Cost (\$000) 10,353	
<p>Base steam is currently supplied by a single cogeneration plant owned and operated by a contractor under a 30-year contract with the Navy that is expiring in 2018. The steam distribution system is experiencing significant (45 percent) steam losses due to steam leakage and thermal losses.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If not provided, the facility will be at risk of losing vital communications between Third, Fifth, Seventh and Submarine Pacific Fleet assets during power outages or other disaster events. The lack of redundant capability and potential future loss of the required power generation plant reliability is considered a critical risk issue requiring formal remediation.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2014
(B) Date 35% Design or Parametric Cost Estimate complete				01/2016
(C) Date design completed				12/2016
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$200
(C) Total				\$800
(D) Contract				\$730
(E) In-house				\$70
4. Contract award:				03/2017
5. Construction start:				04/2017
6. Construction complete:				11/2018
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA			4. Project Title Grace Hopper Data Center Power Upgrades	
5. Program Element 0301376N	6. Category Code 13115	7. Project Number P963	8. Project Cost (\$000) 10,353	
<p>joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p>				
<p>Activity POC: Project Development Lead Phone No: 619-767-7260</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM		2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA		4. Project Title Grace Hopper Data Center Power Upgrades	
5. Program Element 0301376N	6. Category Code 13115	7. Project Number P963	8. Project Cost (\$000) 10,353
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Utilities Infrastructure	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P991	8. Project Cost (\$000) 81,104	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
COASTAL CAMPUS UTILITIES INFRASTRUCTURE	LS			54,770
COASTAL CAMPUS UTILITIES CC81232 (96,129LF)	m	29,300	1,365.35	(40,000)
ROADS CC85110 (766,799SF)	m2	71,238	152.87	(10,890)
SPECIAL COSTS	LS			(3,450)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(430)
SUPPORTING FACILITIES				18,310
SITE PREPARATIONS	LS			(7,650)
PAVING AND SITE IMPROVEMENTS	LS			(10,240)
ENVIRONMENTAL MITIGATION	LS			(420)
SUBTOTAL				73,080
CONTINGENCY (5%)				3,650
TOTAL CONTRACT COST				76,730
SIOH (5.7%)				4,370
SUBTOTAL				81,100
TOTAL REQUEST ROUNDED				81,100
TOTAL REQUEST				81,104
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,475)
10. Description of Proposed Construction:				
<p>Construct utilities infrastructure and roads to support the build-out of the Silver Strand Training Complex-South (SSTC-S) in support of the United States Special Operations Command (USSOCOM). Primary facilities include electrical, gas, water, sanitary sewer, storm water, fire protection, communication and data systems. Major scope elements include: sewer lift stations, primary and secondary distribution, data systems, fiber optics, lighting, switchgear, fire storage tanks and all associated pumps. Project will construct utility stub-outs and connections for future projects to adequately connect to utility infrastructure.</p> <p>Construction includes roads in the SSTC-S including curbs and gutters, onsite traffic signals and crosswalks.</p> <p>Special costs include post construction contract award services (PCAS) and</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Utilities Infrastructure	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P991	8. Project Cost (\$000) 81,104	
<p>will provide utility connection fees, off-site sewer upgrades and off-site water connection, both in the city of Imperial Beach. The Navy is finalizing an agreement with the city for the off-site work.</p> <p>Project includes operations and maintenance support information (OMSI) for utility and communications equipment.</p> <p>Site preparation includes clearing, grubbing, excavation, grading, demolition of existing paving and structures, demolition of underground utilities, dewatering and preparation for construction.</p> <p>Paving and site improvements include extensive landscaping, pedestrian paving to include concrete sidewalks and curb ramps, Low Impact Development features and site lighting.</p> <p>Environmental mitigation includes restoration of disturbed natural habitat and distribution of educational materials. Avoidance minimization measures will be implemented as required by the Coastal Campus Environmental Impact Statement. Environmental monitoring includes cultural and biological monitoring during construction.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>29,300 m</u> Adequate: <u>0 m</u> Substandard: <u>0 m</u>				
PROJECT:				
Constructs utilities and roads to support the build out of the SSTC-S in support of USSOCOM.				
(Current Mission)				
REQUIREMENT:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Utilities Infrastructure	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P991	8. Project Cost (\$000) 81,104	
<p>Adequate utilities infrastructure is required to support MILCON projects programmed for construction at SSTC-S. This requirement necessitates a capital investment to ensure all MILCON projects will be able to tie into adequate utilities systems required to use the facilities. Utilities infrastructure required to support the development of the Coastal Campus includes electrical, gas, water, sanitary sewer, communication and road systems.</p> <p>Although each individual MILCON project provides for individual facility connection to utilities, this project will provide connections to the utilities distribution network to service the facilities. The project will allow the facilities developed by the future MILCON projects to be operationally ready and usable upon construction completion.</p> <p>CURRENT SITUATION:</p> <p>The SSTC-S does not have the utilities and infrastructure required to support the planned major installation expansion.</p> <p>Existing roadways lack the size, condition and layout (traffic patterns) as determined by the traffic study. Road improvements are required to accommodate the new traffic patterns, ease congestion, and improve traffic flow. A comprehensive sanitary sewerage system does not exist on site, nor is there a comprehensive storm water dispersal system. Existing sewer force main that discharges into the sewer system for the city of Imperial Beach can only support the existing facilities located at SSTC-S. The Imperial Beach sewer system does not currently have the capacity to handle the effluent from the projects planned for development at SSTC-S. The existing water line was constructed in the 1910's and is misaligned within the future development site.</p> <p>Natural gas lines run along SR 75 but currently do not serve SSTC-S. There is an existing underground electrical ductbank that extends from the San Diego Gas and Electric connection point along SR 75 at approximately the mid-point of the site westerly to an existing transformer and switchgear pad. This serves the entire site with electrical power and has no capacity to support increased development. At present, telecommunications are handled by a microwave link from Building #99 to Building #624 at NAB Coronado approximately five miles to the north of the site. Fiber optics service for data and telephone is available on a lease basis from AT&T infrastructure running along SR-75.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND SOUTH) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Utilities Infrastructure	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P991	8. Project Cost (\$000) 81,104	
Failure to provide utilities improvements at SSTC-S will prevent USSOCOM programmed projects for the Coastal Campus from being operational and usable upon completion.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2014
(B) Date 35% Design or Parametric Cost Estimate complete				05/2016
(C) Date design completed				09/2016
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				25%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$5,090
(B) All other design costs				\$1,700
(C) Total				\$6,790
(D) Contract				\$1,700
(E) In-house				\$5,090
4. Contract award:				05/2017
5. Construction start:				06/2017
6. Construction complete:				09/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Aviation Alert Building Equipment	OPN	2018	500	
Controls for Smart Grid	OPN	2018	975	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Project Development Lead		Phone No: (619) 545-1124		

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016				
3. Installation and Location: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA				4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.17					
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
A. As Of 09-30-15		799	5106	463	0	0	0	38	337	0	6743	
B. End FY 2020		937	5880	463	0	0	0	38	137	0	7455	
7. INVENTORY DATA (\$000)												
A. TOTAL ACREAGE ..(29408 Acres)												
B. INVENTORY AS OF 30 SEP 2015											2,874,780	
C. AUTHORIZATION NOT YET IN INVENTORY											16,594	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											26,723	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											30,227	
F. PLANNED IN NEXT THREE PROGRAM YEARS											0	
G. REMAINING DEFICIENCY											322,735	
H. GRAND TOTAL											3,271,059	
8. Projects Requested In This Program												
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>					
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>							
21121	F-35C Engine Repair Facility	07/2014	11/2016	3363 m2	26,723							
							TOTAL	26,723				
9. Future Projects:												
A. Included In The Following Program:												
21145 F/A 18 Avionics Repair Facility											30,227	
											TOTAL	30,227
B. Major Planned Next Three Years:												
C. R&M Unfunded Requirement (\$000):											438,376	
10. Mission or Major Functions:												
Maintain and operate facilities and provide services and materials to support the aviation assets and operations of the Pacific Fleet. This base is the homeport for all Pacific Fleet Light Attack (F/A-18) Squadrons and Replacement Training Squadrons.												
11. Outstanding Pollution and Safety Deficiencies (\$000):												
A. Pollution Abatement(*):											0	
B. Occupational Safety and Health(OSH)(#):											0	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.17

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title F-35C Engine Repair Facility	
5. Program Element 0712876N	6. Category Code 21121	7. Project Number P380	8. Project Cost (\$000) 26,723	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
F-35C ENGINE REPAIR FACILITY (36,199SF)	m2	3,363		11,910
F-35C ENGINE REPAIR CC21121 (36,199SF)	m2	3,363	3,138.38	(10,550)
INFORMATION SYSTEMS	LS			(190)
BUILT-IN EQUIPMENT	LS			(510)
SPECIAL COSTS	LS			(540)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(120)
SUPPORTING FACILITIES				12,170
SITE PREPARATIONS	LS			(330)
SPECIAL FOUNDATION FEATURES	LS			(1,390)
PAVING AND SITE IMPROVEMENTS	LS			(1,480)
ANTI-TERRORISM/FORCE PROTECTION	LS			(270)
ELECTRICAL UTILITIES	LS			(1,030)
MECHANICAL UTILITIES	LS			(720)
ENVIRONMENTAL MITIGATION	LS			(6,950)
SUBTOTAL				24,080
CONTINGENCY (5%)				1,200
TOTAL CONTRACT COST				25,280
SIOH (5.7%)				1,440
SUBTOTAL				26,720
TOTAL REQUEST ROUNDED				26,720
TOTAL REQUEST				26,723
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,460)
10. Description of Proposed Construction:				
<p>Constructs an F-35C Engine Repair facility with reinforced concrete masonry unit walls, built-up roof, and pile foundation. The project will include maintenance areas for propulsion systems, engine module storage, pilot fit testing, administrative and personnel support areas.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title F-35C Engine Repair Facility	
5. Program Element 0712876N	6. Category Code 21121	7. Project Number P380	8. Project Cost (\$000) 26,723	
<p>accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes bridge cranes and support rails, stacker storage system, and elevator.</p> <p>Special costs include post construction contract award services (PCAS).</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special foundation features include structural fill and pile foundation.</p> <p>Paving and site improvements include areas for propulsion unit shipping and receiving, access and circulation of engines and engine modules and associated maintenance and transportation trailers and forklifts, parking spaces, parking re-striping, road access to new parking lot, sidewalks, curbs and gutters, pedestrian features, and storm water drainage improvements.</p> <p>Electrical utilities include primary and secondary distribution systems, telecommunications infrastructure, relocation of existing transformer, exterior lighting, power, grounding upgrades with patching and repair.</p> <p>Environmental Mitigation includes features addressing construction on an Installation Restoration site. Features include environmental monitoring, contaminated soil removal and borrow, vapor intrusion mitigation systems, and existing underground storage tank removal.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>3,363 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title F-35C Engine Repair Facility	
5. Program Element 0712876N	6. Category Code 21121	7. Project Number P380	8. Project Cost (\$000) 26,723	
<p>Constructs a engine repair facility to perform propulsion maintenance on the F-35C. Facility includes a pilot fit facility (PFF) on the 2nd floor to conduct pilot flight equipment measuring, fitting, and issue for above and below the neck flight equipment for new F-35C pilots.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>NAS Lemoore requires space to perform off-equipment propulsion maintenance for the seven F-35C operational squadrons and F-35C Fleet Replacement Squadron that will be homeported on the west coast. Additionally, a PFF is required to support newly assigned F-35C aviators. Aircraft will start to arrive at NAS Lemoore in January 2017. Need-by date is August 2018 as the first squadron will begin their transition January 2018. Plan is to send pilots from the first transition squadron to Eglin AFB to be fitted for flight gear, while waiting for project completion. The function of this project is critical to the Fleet Replacement Squadron being considered "ready for training" for the F-35C.</p> <p>NAS Lemoore Fleet Readiness Center (FRC) West is the sole site for all F-414 engine repair work (F/A-18 E/F aircraft and EA-18 Growlers) for the entire Navy for intermediate level repair. F-414 engine work must continue through full transition and will require continuance of existing FRC maintenance support and spaces. There are insufficient facilities to support the F-35C propulsion systems maintenance.</p> <p>The facility needs to be located adjacent to the existing FRC engine repair facilities to support maintenance operations. The location better enables FRC manpower, management, production efforts and the sharing of common support equipment/tooling. It will also foster better access to the existing engine test facilities and the supply department's shipping/receiving and warehousing efforts. There is existing soil at the proposed building and parking lot site that is contaminated and must be removed.</p> <p>CURRENT SITUATION:</p> <p>FRC West's propulsion maintenance is located in Building #170, which is fully occupied and is operating at maximum capacity as the single site of F-414 engine (F/A-18 aircraft) rework in the entire Navy. With continuing F-414 work, there are insufficient facilities to support the F-35C propulsion systems maintenance. Additionally, there is no pilot fit facility to support F-35C aviators.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title F-35C Engine Repair Facility	
5. Program Element 0712876N	6. Category Code 21121	7. Project Number P380	8. Project Cost (\$000) 26,723	
If this project is not provided, F-35C engine maintenance work will need to be conducted in the hangar, which is required for other critical work.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2014
(B) Date 35% Design or Parametric Cost Estimate complete				03/2016
(C) Date design completed				11/2016
(D) Percent completed as of September 2015				10%
(E) Percent completed as of January 2016				25%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,381
(B) All other design costs				\$505
(C) Total				\$1,886
(D) Contract				\$1,486
(E) In-house				\$400
4. Contract award:				04/2017
5. Construction start:				04/2017
6. Construction complete:				04/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Communications and Data Equipment		OPN	2018	1,000
Furniture, Fixtures & Equipment		OMN	2018	1,160
Intrusion Detection System		OPN	2018	300
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: 559-998-2593		

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM					2. Date 09 FEB 2016				
3. Installation and Location: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA				4. Command Commander Navy Installations Command		5. Area Const Cost Index 1.15					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		2502	19216	5375	0	240	0	142	1164	0	28639
B. End FY 2020		2308	17704	5375	0	240	0	175	1582	0	27384
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(2934 Acres)											
B. INVENTORY AS OF 30 SEP 2015 7,314,656											
C. AUTHORIZATION NOT YET IN INVENTORY 167,850											
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 6,183											
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 9,157											
F. PLANNED IN NEXT THREE PROGRAM YEARS 0											
G. REMAINING DEFICIENCY 1,495,844											
H. GRAND TOTAL 8,993,690											
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
81330	Energy Security Microgrid	09/2014	06/2017			0 LS	6,183				
							TOTAL	6,183			
9. Future Projects:											
A. Included In The Following Program:											
81310 Electrical Upgrade on Piers 2, 7, and 10 9,157											
							TOTAL	9,157			
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000): 1,041,459											
10. Mission or Major Functions:											
Provide homeport facilities for warships, amphibious ships, and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel support, athletic, recreational, berthing, messing, morale, and other logistics facilities.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*): 0											
B. Occupational Safety and Health(OSH)(#): 0											

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.15
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00245(BH) NAVBASE SAN DIEGO (BALBOA HOSPITAL) SAN DIEGO, CALIFORNIA			4. Project Title Energy Security Hospital Microgrid	
5. Program Element 0702776N	6. Category Code 81330	7. Project Number P624	8. Project Cost (\$000) 6,183	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ENERGY SECURITY HOSPITAL MICROGRID	LS			1,200
MICROGRID CC81230	LS			(1,030)
SPECIAL COSTS	LS			(140)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				4,180
ELECTRICAL UTILITIES	LS			(4,180)
SUBTOTAL				5,380
CONTINGENCY (5%)				270
TOTAL CONTRACT COST				5,650
SIOH (5.7%)				320
SUBTOTAL				5,970
DESIGN/BUILD - DESIGN COST				220
TOTAL REQUEST ROUNDED				6,190
TOTAL REQUEST				6,183
EQUIPMENT FROM OTHER				(140)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Upgrade the electrical and communication distribution system at Balboa Complex to create a new microgrid that can be shifted automatically and quickly from taking power from the grid to island mode. This also includes monitor and control infrastructure, fiber communication lines and ancillary built-in equipment. The microgrid will integrate the cogeneration plant with all Balboa facilities and the region emergency operations center.</p> <p>Special costs include post construction award services (PCAS) and third party commissioning.</p> <p>Operation and maintenance support information (OMSI) is included in this project.</p> <p>Electrical utilities include the necessary upgrades to secondary distribution systems and telecommunications infrastructure required to integrate the critical building systems with the microgrid.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00245(BH) NAVBASE SAN DIEGO (BALBOA HOSPITAL) SAN DIEGO, CALIFORNIA			4. Project Title Energy Security Hospital Microgrid	
5. Program Element 0702776N	6. Category Code 81330	7. Project Number P624	8. Project Cost (\$000) 6,183	
<p>knowledgeable journeymen were able to get to the facility.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>In an extended loss of San Diego Gas & Electric utility power, the base can only provide the critical and essential circuits with reliable power. Housing and other non-essential facilities that provide support functions for training will be without power. Load and distribution monitoring do not support energy demand issues and reduction mandates.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2014
(B) Date 35% Design or Parametric Cost Estimate complete				03/2016
(C) Date design completed				06/2017
(D) Percent completed as of September 2015				2%
(E) Percent completed as of January 2016				5%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				No
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$170
(B) All other design costs				\$60
(C) Total				\$230
(D) Contract				\$210
(E) In-house				\$20
4. Contract award:				02/2017
5. Construction start:				07/2017
6. Construction complete:				08/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY</u>	<u>Approp</u>
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Analysis tools, hardware, software & switches		OMN	2017	140
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00245(BH) NAVBASE SAN DIEGO (BALBOA HOSPITAL) SAN DIEGO, CALIFORNIA			4. Project Title Energy Security Hospital Microgrid	
5. Program Element 0702776N	6. Category Code 81330	7. Project Number P624	8. Project Cost (\$000) 6,183	
<p>Activity POC: Project Development Lead Phone No: 619-524-8566</p>				

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM					2. Date 09 FEB 2016				
3. Installation and Location: N61065 NAVWPNSTA SEAL BEACH SEAL BEACH, CALIFORNIA				4. Command Commander Navy Installations Command		5. Area Const Cost Index 1.21					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		106	886	282	0	0	0	0	0	0	
B. End FY 2020		112	890	282	0	0	0	0	0	0	
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(4875 Acres)											
B. INVENTORY AS OF 30 SEP 2015										1,066,565	
C. AUTHORIZATION NOT YET IN INVENTORY										30,594	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										21,007	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0	
F. PLANNED IN NEXT THREE PROGRAM YEARS										109,151	
G. REMAINING DEFICIENCY										125,543	
H. GRAND TOTAL										1,352,860	
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
42172	Missile Magazines	05/2015	02/2017			2724 m2	21,007				
							TOTAL	21,007			
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
15110 Ammunition Wharf & Turning Basin										109,151	
							TOTAL	109,151			
C. R&M Unfunded Requirement (\$000):										347,406	
10. Mission or Major Functions:											
Naval Weapons Station Seal Beach and its detachments provide shore-based infrastructure support to the Navy's ordnance mission and other fleet and fleet support activities.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):										0	
B. Occupational Safety and Health(OSH)(#):										0	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N61065 NAVWPNSTA SEAL BEACH SEAL BEACH, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.21
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N61065 NAVWPNSTA SEAL BEACH SEAL BEACH, CALIFORNIA			4. Project Title Missile Magazines	
5. Program Element 0703976N	6. Category Code 42172	7. Project Number P223	8. Project Cost (\$000) 21,007	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MISSILE MAGAZINES (29,324SF)	m2	2,724.3		9,000
TYPE D MISSILE MAGAZINES CC42172 (29,324SF)	m2	2,724.3	3,106.79	(8,460)
INFORMATION SYSTEMS	LS			(260)
SPECIAL COSTS	LS			(190)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SUPPORTING FACILITIES				9,930
PAVEMENT FACILITIES	LS			(580)
SITE PREPARATIONS	LS			(1,260)
SPECIAL FOUNDATION FEATURES	LS			(2,760)
PAVING AND SITE IMPROVEMENTS	LS			(1,820)
ELECTRICAL UTILITIES	LS			(840)
MECHANICAL UTILITIES	LS			(710)
DEMOLITION	LS			(1,960)
SUBTOTAL				18,930
CONTINGENCY (5%)				950
TOTAL CONTRACT COST				19,880
SIOH (5.7%)				1,130
SUBTOTAL				21,010
TOTAL REQUEST ROUNDED				21,010
TOTAL REQUEST				21,007
EQUIPMENT FROM OTHER				(400)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Constructs three reinforced concrete, earth-covered, missile magazines to provide adequate storage capacity for Vertical Launch System (VLS) missile systems. The magazine will be used for assembled missile storage.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award services (PCAS).</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N61065 NAVWPNSTA SEAL BEACH SEAL BEACH, CALIFORNIA			4. Project Title Missile Magazines	
5. Program Element 0703976N	6. Category Code 42172	7. Project Number P223	8. Project Cost (\$000) 21,007	
<p>Operation and maintenance support information (OMSI) is included in this project.</p> <p>Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 and other laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes site clearing, excavation, preparation for construction, relocation of existing utilities, unexploded ordnance survey and fencing.</p> <p>Special foundations features include pre-consolidated fill and a wick drain system.</p> <p>Paving and site improvements include grading, road improvements, landscaping, irrigation relocation, bio-retention swales, storm water management and drainage.</p> <p>Project includes demolition of 20 magazines at NWS Seal Beach, 19 magazines at the Fallbrook Detachment and a hazardous material storage building all of which no longer meet mission requirements. This project replaces the mission of these magazines. The total demolition for the 40 buildings is 5,285 m².</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>2,724 m²</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>Constructs three reinforced concrete, earth-covered, missile magazines to provide adequate storage for VLS Standard, VLS Tomahawk, and Evolved Sea Sparrow Missile (ESSM) systems.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Seal Beach is the primary ordnance onload and offload facility for Pacific Fleet combatants homeported in the Southwest Region and is the single Navy activity performing Intermediate Level Maintenance (ILM) on the Standard</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61065 NAVWPNSTA SEAL BEACH SEAL BEACH, CALIFORNIA			4. Project Title Missile Magazines	
5. Program Element 0703976N	6. Category Code 42172	7. Project Number P223	8. Project Cost (\$000) 21,007	
<p>Missile system as well as the only Tomahawk missile handling facility on the west coast.</p> <p>Requirements are expected to increase over the next several years due to an increase in Vertical Launch System (VLS) capable ships to NWS Seal Beach's customer base and subsequent increase in ILM requirements. Increases in force structure are planned with Guided Missile Destroyer (DDG-1000), Amphibious Assault Ship (LHA), and CVN ships. Standard and Tomahawk missile storage requirements are based primarily on the 2012 load plan provided by the Pacific Fleet. This project addresses an immediate need for increased storage to prevent deferral of incoming missile deliveries from other installations.</p> <p>CURRENT SITUATION:</p> <p>All Seal Beach missile magazines are currently filled to over twice their design capacity. VLS missiles are the Navy's longest missiles, making maneuvering within magazines challenging. When operated above capacity, the lack of maneuvering space poses both efficiency and safety issues. Additionally, since these missiles are managed by serial number, the material handlers cannot simply choose the asset that is most accessible and instead often have to move several missiles to access the correct missile. Storage of VLS missiles in inadequate magazines also increases the time to inventory these assets and can result in decreased inventory accuracy.</p> <p>Since 2013, three ship offloads have been deferred due to lack of space for missile storage. Missile deliveries via truck from other installations have also been deferred multiple times due to lack of space missile storage.</p> <p>This project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Seal Beach's capacity to store VLS missiles safely and efficiently will continue to be exceeded. This will necessitate more frequent deferral of incoming missiles resulting in impacts to the Fleet's operational readiness objectives. Lack of adequate missile storage facilities impact Fleet Operations by slowing missile load-out and causing inventory shortage of ready-to-deploy missiles due to excessive maintenance work and missile handling.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				05/2015

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61065 NAVWPNSTA SEAL BEACH SEAL BEACH, CALIFORNIA			4. Project Title Missile Magazines	
5. Program Element 0703976N	6. Category Code 42172	7. Project Number P223	8. Project Cost (\$000) 21,007	
(B) Date 35% Design or Parametric Cost Estimate complete				01/2016
(C) Date design completed				02/2017
(D) Percent completed as of September 2015				2%
(E) Percent completed as of January 2016				35%
(F) Type of design contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				Yes
(B) Where design was previously used			FY13 P710 - Rota Spain	
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,180
(B) All other design costs				\$390
(C) Total				\$1,570
(D) Contract				\$1,440
(E) In-house				\$130
4. Contract award:				05/2017
5. Construction start:				06/2017
6. Construction complete:				06/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp or Requested Cost (\$000)</u>		
Physical security equipment		OPN	2019	400
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: 562-626-7016		

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: N60508 NAS WHITING FLD MILTON FL EGLIN AFB, FLORIDA					4. Command Commander Navy Installations Command			5. Area Const Cost Index .86			
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		1472	284	215	0	0	0	28	50	0	2049
B. End FY 2020		1464	285	215	0	0	0	44	57	0	2065
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(Acres)											
B. INVENTORY AS OF 30 SEP 2015											143,797
C. AUTHORIZATION NOT YET IN INVENTORY											49,702
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											20,489
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											0
G. REMAINING DEFICIENCY											83,382
H. GRAND TOTAL											297,370
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
17945	WMD Training Applied Instruction Facility	06/2014	05/2017			9 EA	20,489				
TOTAL										20,489	
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):											367,770
10. Mission or Major Functions:											
To effectively support the mission accomplishment of multiple tenant commands' training of U.S. Navy, Marine Corps, Air Force, Coast Guard and International students, by efficiently providing high quality installation facilities and operational services at 2 primary airfields and 14 Navy Outlying Landing Fields.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH)(#):											0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N60508 NAS WHITING FLD MILTON FL EGLIN AFB, FLORIDA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .86

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60508(EG) NAS WHITING FLD MILTON FL (NAVY EOD & JSF @ EGLIN) EGLIN AFB, FLORIDA			4. Project Title WMD Field Training Facilities	
5. Program Element 0212476N	6. Category Code 17945	7. Project Number P926	8. Project Cost (\$000) 20,489	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WMD FIELD TRAINING FACILITIES	EA	9		9,510
FIELD TRAINING FACILITIES (9 SITES) CC17945	EA	9	988,901	(8,900)
SPECIAL COSTS	LS			(340)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(270)
SUPPORTING FACILITIES				8,310
SPECIAL CONSTRUCTION FEATURES	LS			(10)
SITE PREPARATIONS	LS			(5,280)
PAVING AND SITE IMPROVEMENTS	LS			(1,700)
ELECTRICAL UTILITIES	LS			(930)
MECHANICAL UTILITIES	LS			(390)
SUBTOTAL				17,820
CONTINGENCY (5%)				890
TOTAL CONTRACT COST				18,710
SIOH (5.7%)				1,070
SUBTOTAL				19,780
DESIGN/BUILD - DESIGN COST				710
TOTAL REQUEST ROUNDED				20,490
TOTAL REQUEST				20,489
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,208)
10. Description of Proposed Construction:				
<p>Constructs nine field training facilities compounds, each with mock-up structures for training, a command post structure with briefing space and ready service lockers for secure storage, a blast pit for the disposal of explosive training devices, and on-site parking for approximately five training and tactical vehicles. The mock-up training facilities will represent various types of residential, commercial businesses, public transportation, military, and utility infrastructure for the Weapons of Mass Destruction (WMD) training program. The blast pit will be constructed of heavy timbers with a fabric canopy and exterior viewing platforms. The command post will be a small steel-framed structure with a standing seam metal roof and concrete foundation. The mock-up buildings will be steel-framed with a combination of concrete masonry units (CMU) above reinforced concrete stem wall, CMU interior walls, and plexiglass windows. The roofs</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60508(EG) NAS WHITING FLD MILTON FL (NAVY EOD & JSF @ EGLIN) EGLIN AFB, FLORIDA			4. Project Title WMD Field Training Facilities	
5. Program Element 0212476N	6. Category Code 17945	7. Project Number P926	8. Project Cost (\$000) 20,489	
<p>on the mock-up buildings will include various construction types including concrete roof, built-up roof, standing seam metal to provide alternate training scenarios. Mock-up Training Facilities compounds and items are included in the lump sum unit cost, and could include: command post structure, transformer field equipment, fuel tanks, jail cell bars, and other (including faux) items necessary to fulfill the visual and tactical training effects for each site. Utility infrastructure will be constructed to represent the utility but will not be operational.</p> <p>Special costs include Post Construction Award Services (PCAS) to include unexploded ordnance (UXO) trained supervision during clearing, grading and site preparation activities.</p> <p>Operations and maintenance support information (OMSI) and building information management are included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes UXO survey, sweep and disposal prior to construction start. Site preparation also includes clearing, grubbing, excavation/fill and preparation for construction on approximately 30 acres. With UXO expected at this site and the cost for this is unknown until a survey can be preformed, \$4.5M has been included for site preparations line-item to cover the cost of UXO mitigation.</p> <p>Paving and site improvements include grading, concrete parking for approximately 50 spaces, asphalt roadways, gravel and concrete access roads, concrete curbs and pads, sidewalks, landscaping, bio-retention areas, fencing, gates and signs.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solution satisfying the facility requirements.</p>				
11. Requirement: <u> 9 </u> EA Adequate: <u> 0 </u> EA Substandard: <u> 0 </u> EA PROJECT:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60508(EG) NAS WHITING FLD MILTON FL (NAVY EOD & JSF @ EGLIN) EGLIN AFB, FLORIDA			4. Project Title WMD Field Training Facilities	
5. Program Element 0212476N	6. Category Code 17945	7. Project Number P926	8. Project Cost (\$000) 20,489	
<p>Construct WMD field training facilities for basic Explosive Ordnance Disposal (EOD) course expansion and associated (simulated) training range sites, explosive training (blast) pits and command posts group structures. These required facilities will provide training for EOD team members from the Air Force, Navy, Army, Marine Corps, international and other Federal agency personnel in WMD detection and disposal.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Adequate facilities to support training requirements for a 2017 and future annual student throughput of approximately 933 with a daily student population of approximately 671 students. The requirement is based on the number of EOD units for each of the support services, agencies, number of courses, and the duration the school is available to meet training demands.</p> <p>The mission and objective of the WMD division is to train and evaluate joint service EOD team members and selected Federal agency personnel in the use of mission specific equipment to detect, identify, characterize, diagnose, and conduct reach back in various environments.</p> <p>Instruction will provide training scenarios for emplaced improvised nuclear device/radiological exposure device/ chemical, biological, radiological, and nuclear WMDs/improvised explosive devices.</p> <p>Combating WMD and their means of delivery is one of the greatest challenges the United States faces. Adversaries may use WMD to inflict casualties on civilian populations or counter U.S. military superiority. DoD is the federal agency with lead responsibility, supported by other agencies, in defending against external threats or aggression. DoD supports civil authorities for domestic emergencies and for designated law enforcement and other activities. The employment of WMD may pose one of the most significant challenges due to detection limitations. Non-military means of delivery may include sprayers, existing transportation infrastructure, private transportation assets, improvised explosive devices, or unmanned aircraft systems technology.</p> <p>CURRENT SITUATION:</p> <p>Adequate WMD training facilities do not exist to support the added capability training requirements. This program would provide training in the use of mission specific equipment. The critical war fighting needs of all Federal agencies are contingent upon development of this training capability at Naval School Explosive Disposal.</p> <p>This project provides urban/industrial facilities mock-ups to create</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
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5. Program Element 0212476N	6. Category Code 17945	7. Project Number P926	8. Project Cost (\$000) 20,489	
<p>training relevancy, realism and rigor that is required to run EOD technicians through their paces using the equipment, tools, detectors, and procedures they'll be utilizing in the Fleet/Field. Specifically, the ability to train external search techniques (locate sources inside a facility), train students on using structural shielding to their benefit (e.g., working around walls, corners, windows), provide training scenarios for emplaced improvised nuclear device/radiological exposure device/chemical, biological, radiological, and nuclear WMDs/improvised explosive devices.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Without this project, the Joint EOD community will be unable to meet the required mission essential capabilities.</p> <p>Adequate WMD training facilities do not exist and critical war fighting needs are contingent upon this training capability. These requirements are crucial to reducing the risk of loss of life at home and abroad as DoD has the lead responsibility to defend against external threats or aggression.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2014
(B) Date 35% Design or Parametric Cost Estimate complete				04/2015
(C) Date design completed				05/2017
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				40%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				Yes
(B) Where design was previously used				MCON P903, P904, P925 & P927
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$212
(B) All other design costs				\$1,700
(C) Total				\$1,912
(D) Contract				\$1,869
(E) In-house				\$43
4. Contract award:				03/2017
5. Construction start:				06/2017
6. Construction complete:				06/2018

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60508(EG) NAS WHITING FLD MILTON FL (NAVY EOD & JSF @ EGLIN) EGLIN AFB, FLORIDA			4. Project Title WMD Field Training Facilities	
5. Program Element 0212476N	6. Category Code 17945	7. Project Number P926	8. Project Cost (\$000) 20,489	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Field training site furnishings		OMN	2017	870
Vehicles, Tools, Equip. & PPE		OPN	2017	338
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: Project Development Lead		Phone No: 850-623-7019		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM		2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60508(EG) NAS WHITING FLD MILTON FL (NAVY EOD & JSF @ EGLIN) EGLIN AFB, FLORIDA		4. Project Title WMD Field Training Facilities	
5. Program Element 0212476N	6. Category Code 17945	7. Project Number P926	8. Project Cost (\$000) 20,489
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM							2. Date 09 FEB 2016		
3. Installation and Location: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII					4. Command Commander Navy Installations Command			5. Area Const Cost Index 2.55		
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-15	17	67	105	0	0	0	5	20	0
B. End FY 2020	16	72	105	0	0	0	5	20	0	218
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(17478 Acres)										
B. INVENTORY AS OF 30 SEP 2015										805,009
C. AUTHORIZATION NOT YET IN INVENTORY										9,679
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										43,384
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										194,049
H. GRAND TOTAL										1,052,121
8. Projects Requested In This Program										
<u>Cat</u>						<u>Design Status</u>		<u>Cost</u>		
<u>Code</u>	<u>Project Title</u>					<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>	
81160	Upgrade Power Plant & Electrical Dist Sys					08/2014	09/2016	10 m2	43,384	
								TOTAL	43,384	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										130,656
10. Mission or Major Functions:										
Pacific Missile Range Facility Barking Sands is the world's largest instrumented multi-environmental range capable of supported surface, subsurface, air, and space operations simultaneously. There are over 1,100 square miles of instrumented underwater range and over 42,000 square miles of controlled airspace. Pacific Missile Range Facility Barking Sands is a premier facility for supporting operations which vary from small, single-unit exercises up to large scale, multiple-unit battle group scenarios. The mission is to provide integrated range service in a modern, multi-threat, multi-dimensional environment that ensures the safe conduct and evaluation of training and test and evaluation missions and to deliver quality products to improve customers' ability to achieve readiness and other national defense objectives.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII	4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.55

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title Upgrade Power Plant & Electrical Distrib Sys	
5. Program Element 0702776N	6. Category Code 81160	7. Project Number P402	8. Project Cost (\$000) 43,384	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UPGRADE POWER PLANT & ELECTRICAL DISTRIB SYS (4,521SF)	m2	420		31,270
ELECTRICAL S\DIST CC81232 (RENOVATE)	LS			(15,860)
STBY POWER PLANT BLDG CC81159 (4,521SF) (RENOVATE)	m2	420	12,653.93	(5,310)
INFORMATION SYSTEMS	LS			(40)
BUILT-IN EQUIPMENT	LS			(6,200)
SPECIAL COSTS	LS			(3,560)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(300)
SUPPORTING FACILITIES				7,640
SITE PREPARATIONS	LS			(320)
PAVING AND SITE IMPROVEMENTS	LS			(770)
ELECTRICAL UTILITIES	LS			(5,110)
MECHANICAL UTILITIES	LS			(1,330)
ENVIRONMENTAL MITIGATION	LS			(110)
SUBTOTAL				38,910
CONTINGENCY (5%)				1,950
TOTAL CONTRACT COST				40,860
SIOH (6.2%)				2,530
SUBTOTAL				43,390
TOTAL REQUEST ROUNDED				43,390
TOTAL REQUEST				43,384
10. Description of Proposed Construction:				
<p>Upgrades standby power plant Building #711 to provide sufficient generation capacity to support the range systems at Makaha Ridge. The power plant building is a low-rise, slab-on-grade, steel-framed structure. The steel framing and concrete footings will be upgraded. Building foundation work will include grade beams under the generator room and separate concrete pads to support the engine-generators. Prefinished metal panels will replace existing asbestos containing wall siding and roof panels. Power plant will include a generator room with secured open storage, control room, restroom, coffee mess, telecommunications room and electrical switchgear room. Covered areas will be added for fire suppression equipment and mechanical pumps.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title Upgrade Power Plant & Electrical Distrib Sys	
5. Program Element 0702776N	6. Category Code 81160	7. Project Number P402	8. Project Cost (\$000) 43,384	
<p>Upgrades exterior electrical distribution system to an underground, dual-feed, loop configured, primary electrical distribution system. The primary electrical distribution system will run underground from the utility-owned riser pole just outside the main gate, then along Makaha Ridge Road to the main switching station located in the power plant. The loop configured, primary distribution system will be routed from the main switching station in the power plant underground along Makaha Ridge Road and the northern boundary of Makaha Ridge to the electrical distribution system transformers that support the Makaha Ridge facilities. Project also provides secondary building service connections to the Makaha Ridge facilities from the upgraded electrical distribution system service transformers.</p> <p>This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations and physical security in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in Equipment includes diesel engine-generators which include electrical load bank, electrical switchgear and electrical switchboard; fuel oil system; lube oil system; compressed air system; engine exhaust and emission control system; engine cooling system and bridge crane.</p> <p>Special Costs include Post-Construction Contract Award Services (PCAS), temporary portable generators which includes temporary electrical lines and archaeological monitoring during construction.</p> <p>Operation and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Electrical Utilities include repair of damaged duct-lines, transformers, primary switches, and telecommunications infrastructure; and utility company will remove its company owned lines and make modifications at the company service connection.</p> <p>Mechanical Utilities include water lines, sanitary sewer lines, fuel oil storage system, lube oil storage system, engine exhaust and urea storage system, septic tank and leach field.</p>				

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5. Program Element 0702776N	6. Category Code 81160	7. Project Number P402	8. Project Cost (\$000) 43,384	
<p>be more efficient and improve the performance and reliability of the plant. The existing crane is not correctly sized to lift the plant equipment during current maintenance operations. Replacement of the original wall and roof corrugated asbestos cladding and the louvered windows, will increase the security and safety of the structure and minimize the rain water blown through the louvers.</p> <p>The Makaha Ridge electrical distribution system consists of utility company's on-site infrastructure integrated with the Navy-owned and operated power plant and medium and low voltage distribution systems. The use of commercial infrastructure as an integral part of the Makaha Ridge electrical distribution system negatively impacts energy security, site safety, operations, and reliability. Since commercial power is unstable and unreliable, during mission critical operations, the Makaha Ridge power system is isolated from commercial supply. The generators are operated to power critical and non-critical loads that support the mission via the commercial on-site feeder. Historical data show a multitude of commercial power interruptions (40 over the past three years, with 38 of these outages lasting from an hour to three days in duration) and consequent downtime, as well as large voltage variations ranging from a low of 460 V to over 500 V on the 480 V distribution system. The overhead portion of the commercial electrical distribution system leaves operations at Makaha Ridge vulnerable to outages from severe weather conditions that frequent the area. In addition to its reliability problem, the commercial service capacity to the Makaha Ridge and Kokee area is limited to 1,500 kW. As there are other non-Navy users on the same distribution system, PMRF is limited to about 1,000 kW for both the Makaha Ridge and Kokee facilities.</p> <p>Current peak load is 630 kW.</p> <p>This project is not sited in the 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The Makaha Ridge electrical system will continue to be vulnerable to equipment failure and unscheduled power outages and will not be able to support critical range operations. PMRF will not be able to meet its mission.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2014

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title Upgrade Power Plant & Electrical Distrib Sys	
5. Program Element 0702776N	6. Category Code 81160	7. Project Number P402	8. Project Cost (\$000) 43,384	
(B) Date 35% Design or Parametric Cost Estimate complete				07/2015
(C) Date design completed				09/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				35%
(F) Type of design contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,452
(B) All other design costs				\$1,552
(C) Total				\$4,004
(D) Contract				\$3,269
(E) In-house				\$735
4. Contract award:				03/2017
5. Construction start:				06/2017
6. Construction complete:				02/2020
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Project Development Lead Phone No: (808) 335-4630				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title Upgrade Power Plant & Electrical Distrib Sys	
5. Program Element 0702776N	6. Category Code 81160	7. Project Number P402	8. Project Cost (\$000) 43,384	
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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM					2. Date 09 FEB 2016				
3. Installation and Location: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 2.43					
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT		TOTAL	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		984	6988	1220	21	713	0	0	0	7040	16966
B. End FY 2020		982	6985	1230	11	631	0	0	0	7040	16879
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(2832 Acres)											
B. INVENTORY AS OF 30 SEP 2015										4,464,875	
C. AUTHORIZATION NOT YET IN INVENTORY										379,306	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										72,565	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										63,201	
F. PLANNED IN NEXT THREE PROGRAM YEARS										27,892	
G. REMAINING DEFICIENCY										1,452,409	
H. GRAND TOTAL										6,460,248	
8. Projects Requested In This Program											
<u>Cat</u>						<u>Design Status</u>		<u>Cost</u>			
<u>Code</u>	<u>Project Title</u>					<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>		
21710	Regimental Consolidated Comm/Elec Facility					06/2014	10/2016	20423 m2	72,565		
								TOTAL	72,565		
9. Future Projects:											
A. Included In The Following Program:											
83110 WRF Redundancy & Elec Upgrades										7,864	
Entry Control Point										12,778	
11120 LHD PAD Conversion and New MV-22 Landing Pads										12,186	
14345 MAG-24 Armory Expansion										10,567	
14986 VMU Operations Support Facility										6,556	
11665 Van Pad Modernization										13,250	
								TOTAL	63,201		
B. Major Planned Next Three Years:											
21105 Hangar 102 Modernization										27,892	
								TOTAL	27,892		
C. R&M Unfunded Requirement (\$000):										291,342	
10. Mission or Major Functions:											
MCB Hawaii supports the combat readiness of 3rd Marine Expeditionary Force units by providing training, logistic, garrison, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation. Additionally, the installation supports and enhances the combat readiness of 1st Marine Aircraft Wing units and other Department of Defense units. MCB Hawaii supports Marine Forces Pacific Headquarters personnel.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 2.43
A. Pollution Abatement(*):		0
B. Occupational Safety and Health(OSH)(#):		0

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016	
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII				4. Project Title Regimental Consolidated Comm/Elec Facility		
5. Program Element 0216496M		6. Category Code 21710	7. Project Number P923	8. Project Cost (\$000) 72,565		
9. COST ESTIMATES						
Item		UM	Quantity	Unit Cost	Cost(\$000)	
REGIMENTAL CONSOLIDATED COMM/ELEC FACILITY (219,831SF)		m2	20,423		47,480	
COMM/ELECT MAINTENANCE SHOP CC21710 (67,199SF)		m2	6,243	3,840	(23,970)	
PARKING FACILITY CC85310 (152,632SF)		m2	14,180	1,328.39	(18,840)	
INFORMATION SYSTEMS		LS			(190)	
ANTI-TERRORISM/FORCE PROTECTION		LS			(240)	
BUILT-IN EQUIPMENT		LS			(1,870)	
SPECIAL COSTS		LS			(1,650)	
OPERATION & MAINTENANCE SUPP INFO (OMSI)		LS			(140)	
SUSTAINABILITY AND ENERGY FEATURES		LS			(580)	
SUPPORTING FACILITIES					17,600	
PAVEMENT FACILITIES		LS			(1,090)	
SITE PREPARATIONS		LS			(1,810)	
SPECIAL FOUNDATION FEATURES		LS			(8,440)	
PAVING AND SITE IMPROVEMENTS		LS			(2,860)	
ANTI-TERRORISM/FORCE PROTECTION		LS			(20)	
ELECTRICAL UTILITIES		LS			(3,120)	
MECHANICAL UTILITIES		LS			(260)	
SUBTOTAL					65,080	
CONTINGENCY (5%)					3,250	
TOTAL CONTRACT COST					68,330	
SIOH (6.2%)					4,240	
SUBTOTAL					72,570	
TOTAL REQUEST ROUNDED					72,570	
TOTAL REQUEST					72,565	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					(10,287)	
10. Description of Proposed Construction:						
Constructs a new two story Regimental Consolidated						

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII			4. Project Title Regimental Consolidated Comm/Elec Facility	
5. Program Element 0216496M	6. Category Code 21710	7. Project Number P923	8. Project Cost (\$000) 72,565	
<p>Communications/Electrical (Comm/Elec) Facility at Marine Corps Base Hawaii (MCB Hawaii) to consolidate the 3rd Marine Regiment (3rd Marines), and 1st Battalion, 12th Marines (1/12 Marines), communications, electrical, and mechanical shops. The facility consists of concrete floor and roof structure and built-up roof. The facility shall provide for issue of communications gear, support and repair of communications equipment, storage of critical items, maintenance of vehicle communications equipment, and administrative functions. Spaces include, but not limited to, shops, equipment laydown areas, vehicle maintenance bays, storage, offices, Electronic Key Management System (EKMS) secured room/vault, telecommunications infrastructure including telecommunications maintenance vaults with lockable covers, Open Storage Secret (OSS)spaces, conference rooms, multi-purpose rooms, locker and shower rooms, break room, restrooms, two two-stop passenger/freight combination elevators, and other supporting spaces.</p> <p>A six story multi-level concrete framed parking facility with pile foundations and two six-stop passenger elevators, shall be constructed for approximately 430 POV parking stalls. Parking facility will accommodate spaces that are being displaced by the Comm/Elec Facility. The surrounding area and future development make the continuation of horizontal parking non-feasible.</p> <p>Information systems in the new Consolidated Communications/Electrical Maintenance Facility include premiums for Secret Internet Protocol Router Network (SIPRNet), public address systems, and Intrusion Detection System (IDS).</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes a radon mitigation system, an emergency generator, two passenger elevators in the Parking Facility, and two passenger/freight combination elevators in the Comm/Elec Facility.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), Hawaii General Excise Tax (GET), Archeological Site Reviews and Monitoring, and Geospatial Survey and Mapping.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII			4. Project Title Regimental Consolidated Comm/Elec Facility	
5. Program Element 0216496M	6. Category Code 21710	7. Project Number P923	8. Project Cost (\$000) 72,565	
<p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Pavement Facilities includes a Unit Marshaling Area (UMA); the UMA is required as the existing UMA is being displaced by the Comm/Elec Facility.</p> <p>Site Preparation includes clearing and grubbing, earthwork, and removal and disposal of contaminated soils.</p> <p>Special Foundation Features includes pilings.</p> <p>Paving and site improvements include roadway access, access roads, roadways, driveways associated with marshalling organizational vehicles in the UMA before they leave the base in a convoy to port or training. Also included are approximately 90 spaces for organizational vehicle parking, security fencing, trash enclosure, pedestrian and bicycling features, underground storm drainage retention and bioswales, multi-purpose paved open space including fencing, landscaping, and miscellaneous site demolition.</p> <p>Electrical Utilities include primary and secondary electrical distribution, transformers, outside area lighting, electric vehicle charging stations, renewable energy systems, and exterior telecommunications infrastructure including telecommunications maintenance vaults with lockable covers.</p> <p>Mechanical Utilities include water distribution system, storm drainage system and sanitary sewer system.</p> <p>The barracks building currently utilized for comm/elec operations will be demolished under a separate FY2016 MILCON to build a medical clinic. Other facilities not suitable for comm/elec operations will be evaluated for potential conversion or reuse as a part of the base masterplan effort.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII			4. Project Title Regimental Consolidated Comm/Elec Facility	
5. Program Element 0216496M	6. Category Code 21710	7. Project Number P923	8. Project Cost (\$000) 72,565	
<p>PROJECT Requirement: <u>22,501 m2</u> Adequate: Substandard: <u>4,229 m2</u></p> <p>Constructs a new Regimental Consolidated Communications/Electronics Facility to consolidate the 3rd Marine Regiment (3rd Marines) and 1st Battalion, 12th Marines (1/12 Marines) communications, electrical, and maintenance shops.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Provide a consolidated communications/electronics maintenance facility which will provide secure work spaces and storage spaces to maintain communications gear and vehicles critical to the mission and readiness of the 3rd Marines and 1/12 Marines. Provide adequate parking for troops and workers, especially after this project eliminates existing parking spaces.</p> <p>Parking is limited on the entire base. The site for this project is currently used for open surface parking that supports adjacent base operations and facilities. The site is constrained on three sides by operating facilities and a major base roadway. The project site cannot be expanded to accommodate surface parking that will be eliminated by this project. The parking structure is required to accommodate a total of approximately 430 parking stalls, 284 of which are parking stalls being displaced by this new comm/elec facility and 140 of which will support the 341 persons that will be working at the new facility. There are no other available open spaces that can fully accommodate the parking requirements for this project without the construction of a parking structure.</p> <p>CURRENT SITUATION:</p> <p>Currently, the 3rd Marine Division (3rd Marine Regiment S-6, 1/3, 2/3, 3/3) and 1/12 Marines artillery batteries (Alpha, Bravo, Charlie, and Liaison) communication facilities consists of spaces dispersed over seven different buildings (146, 212, 217, 1045, 1058, 1064, and 4022) across MCB Hawaii. Furthermore, none of the existing spaces were designed as communications/electronics maintenance facilities. Instead, the current facilities were originally designed as a mess hall, a company command post, a WWII-era bomb shelter, a warehouse, and barracks. The challenges resulting from utilizing these buildings for communications/electronics can be grouped into three categories: equipment protection, manpower inefficiencies, and safety concerns.</p> <p>The current facilities cannot properly safeguard the equipment stored therein. Currently, the total value of equipment stored and/or operated in these facilities exceeds \$41 million, but the facilities that are assigned as communication shops do not have the capability to properly secure this equipment. Manpower inefficiencies present another significant problem</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEOHE BAY, HAWAII			4. Project Title Regimental Consolidated Comm/Elec Facility	
5. Program Element 0216496M	6. Category Code 21710	7. Project Number P923	8. Project Cost (\$000) 72,565	
<p>associated with the current facilities. The lack of the appropriate amount of space and dispersed locations result in significantly wasted man hours due to transporting equipment back and forth across the base.</p> <p>There are numerous safety issues related to the current facilities. These safety deficiencies and violations are mostly due to inadequate electrical building infrastructure (unsafe wiring, lack of capacity, poor lighting, etc.) and overcrowded work spaces. The difficulty in keeping rainwater from accumulating in the work spaces is an obvious hazard when dealing with electronics. Lack of environmental controls results in the prevalence of rust (window mechanisms and stair handrails) and impacts the condition and life span of the communications/electronics gear due to high humidity and salinity of the air. The constant movement of equipment also adds to operational risk due to Marines carrying heavy equipment up and down steep, narrow stairways with rusted handrails at high frequency. Rat infestations present a health concern exacerbated by added difficulties in hygiene due to plumbing inadequacies in the building. Inadequate plumbing in these facilities also forces Marines to purchase bottled water and utilize portable restrooms outside. Lastly, the lack of environmental controls causes an uncomfortable workspace environment especially during the summer months and when coupled with the heat output of communications equipment.</p> <p>Parking is limited on the entire base. The site for this project is used for open surface parking that supports adjacent base operations and facilities. The site is constrained on three sides by operating facilities and a major base roadway. The project site cannot be expanded to accommodate surface parking that will be eliminated by this project.</p> <p>This project is not sited in the 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The 3rd and 1/12 Marines will continue to operate in unsafe, crowded and inadequate facilities and the Marine Corps will continue to endure the exuberant costs related to diminished equipment lifespan, wasted man hours due to inefficiency, and lost man hours resulting from an unsafe/unhealthy work environment. The requirement reveals a deficiency of over 2000 m2 and that the existing spaces are substandard. These deficiencies result in a direct impact to the readiness and morale of the Marines that work in the communications/electronic shops.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2014

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII			4. Project Title Regimental Consolidated Comm/Elec Facility	
5. Program Element 0216496M	6. Category Code 21710	7. Project Number P923	8. Project Cost (\$000) 72,565	
(B) Date 35% Design or Parametric Cost Estimate complete				07/2015
(C) Date design completed				10/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$4,100
(B) All other design costs				\$1,708
(C) Total				\$5,808
(D) Contract				\$683
(E) In-house				\$5,125
4. Contract award:				02/2017
5. Construction start:				03/2017
6. Construction complete:				09/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
C4I		PMC	2018	3,564
Collateral Equipment		O&MMC	2018	6,688
Physical Security Equipment (PSE)		PMC	2018	35
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on the Department of the Navy requirements.				
Activity POC: Project Development Lead			Phone No: 808-257-3687	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM							2. Date 09 FEB 2016		
3. Installation and Location: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.08		
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-15	259	1009	5091	0	42	0	72	587	0
B. End FY 2020	255	1006	5091	0	42	0	87	612	0	7093
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(309 Acres)										
B. INVENTORY AS OF 30 SEP 2015										2,001,537
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										47,892
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										131,359
G. REMAINING DEFICIENCY										197,008
H. GRAND TOTAL										2,377,796
8. Projects Requested In This Program										
<u>Cat</u>						<u>Design Status</u>				<u>Cost</u>
<u>Code</u>	<u>Project Title</u>			<u>Start</u>	<u>Complete</u>	<u>Scope</u>		<u>(\$000)</u>		
72111	Unaccompanied Housing Consolidation			06/2014	04/2017	3654 m2		17,773		
81232	Utilities Investment for Nuclear Facilities			12/2014	03/2016	1100 m2		30,119		
								TOTAL	47,892	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
86040 Portal Crane Rail Improvements										28,583
21310 Dry Dock #1 Super Flood Basin										44,390
72121 Unaccompanied Housing Consolidation										14,269
21360 Paint, Blast, and Rubber Facility										44,117
								TOTAL	131,359	
C. R&M Unfunded Requirement (\$000):										756,937
10. Mission or Major Functions:										
Portsmouth Naval Shipyard's primary mission is the overhaul, repair and modernization of Los Angeles-class and Virginia-class submarines. Portsmouth Naval Shipyard provides the U.S. Navy's nuclear powered submarine fleet with quality overhaul work in a safe, timely and affordable manner. This includes a full spectrum of in-house support--from engineering services and production shops, to unique capabilities and facilities, to off-site support--all of which serves the multifaceted assortment of fleet requirements.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.08

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Unaccompanied Housing	
5. Program Element 0212276N	6. Category Code 72111	7. Project Number P285	8. Project Cost (\$000) 17,773	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UNACCOMPANIED HOUSING (39,331SF)	m2	3,654		11,320
UNACCOMPANIED HOUSING CC72111 (39,331SF)	m2	3,654	2,740.83	(10,020)
ANTI-TERRORISM/FORCE PROTECTION	LS			(310)
BUILT-IN EQUIPMENT	LS			(590)
SPECIAL COSTS	LS			(170)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
SUSTAINABILITY AND ENERGY FEATURES	LS			(120)
SUPPORTING FACILITIES				4,140
SITE PREPARATIONS	LS			(890)
PAVING AND SITE IMPROVEMENTS	LS			(820)
ELECTRICAL UTILITIES	LS			(520)
MECHANICAL UTILITIES	LS			(610)
DEMOLITION	LS			(1,300)
SUBTOTAL				15,460
CONTINGENCY (5%)				770
TOTAL CONTRACT COST				16,230
SIOH (5.7%)				930
SUBTOTAL				17,160
DESIGN/BUILD - DESIGN COST				620
TOTAL REQUEST ROUNDED				17,780
TOTAL REQUEST				17,773
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,100)
10. Description of Proposed Construction:				
<p>Provides the first of two projects to consolidate mission essential housing by constructing approximately 55 rooms/110 beds using the Navy's Shared/Mobilization Unit as a basis. The Navy Shared/Mobilization Unit, formerly referred to as the "2+0 design", includes a double occupancy sleeping area, two personal closets, a shared toilet with a shower compartment, a sink service area and a kitchenette. As a multi-level housing facility, the facility requires additional infrastructure support</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Unaccompanied Housing	
5. Program Element 0212276N	6. Category Code 72111	7. Project Number P285	8. Project Cost (\$000) 17,773	
<p>space. The housing maintenance workshop, currently located in Building #191, will be provided for storage and repair of small equipment and furnishings. Also provides liberty center, currently located in Building #191, supporting the sailors who are living at Portsmouth Naval Shipyard (PNSY).</p> <p>Built-in equipment includes one passenger/freight elevator, fire booster pump and emergency generator.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include post construction contract award services (PCAS).</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Project will demolish existing barracks Building #191, Quarters X and Garage A75.</p> <p>Intended Grade Mix: 110 E1-E3 Total: 110 persons Maximum Utilization: 110 E1-E3</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>3,654 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Constructs additional housing to address current deficiencies and satisfying the requirement to provide adequate housing for mission essential military personnel who are temporarily based at PNSY while the submarine to which they are assigned undergoes overhaul. (Current Mission)				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Unaccompanied Housing	
5. Program Element 0212276N	6. Category Code 72111	7. Project Number P285	8. Project Cost (\$000) 17,773	
REQUIREMENT: Navy policy requires lodging for crew members of ships and submarines that are determined to be uninhabitable during overhaul. The latest housing requirements determination indicates that PNSY is deficient more than 200 beds. This project will provide 110 beds. P-284 is a follow-on UH project to P-285 and will provide an additional 104 beds.				
CURRENT SITUATION: Two of the three existing enlisted bachelor housing facilities are over 60 years old, with inadequate heating, plumbing, and electrical systems and no air conditioning, resulting in deteriorating living conditions. Building #191 has been closed and future sailors arriving will be living on the economy. The project is not sited in the 100-year floodplain.				
IMPACT IF NOT PROVIDED: Failure to provide adequate housing for the crew of uninhabitable submarines while at PNSY reduces quality of life and seriously undermines morale, productivity and career retention. PNSY will continue to house personnel in buildings that are over 60 years old and in deteriorated condition. Failure to address problems associated with heating system and potentially significant life, safety and health deficiencies threatens continued long-term use of this facility. Limited and expensive lodging in the local area cannot support the requirement in a cost effective manner.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2014
(B) Date 35% Design or Parametric Cost Estimate complete				05/2015
(C) Date design completed				04/2017
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$500
(B) All other design costs				\$250
(C) Total				\$750
(D) Contract				\$600

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Unaccompanied Housing	
5. Program Element 0212276N	6. Category Code 72111	7. Project Number P285	8. Project Cost (\$000) 17,773	
(E) In-house				\$150
4. Contract award:				01/2017
5. Construction start:				05/2017
6. Construction complete:				10/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Fixed Furnishings & Equipment		OMN	2016	1,100
C. FY 2015 R&M Conducted (\$000):				
D. FY 2016 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: (207) 438-1017		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Utility Improvements for Nuclear Platforms	
5. Program Element 0702776N	6. Category Code 81232	7. Project Number P371	8. Project Cost (\$000) 30,119	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UTILITY IMPROVEMENTS FOR NUCLEAR PLATFORMS (11,840SF)	m2	1,100		25,530
ELECTRICAL SYSTEM CC81232	LS			(12,330)
COMPRESSED AIR SYSTEM - HP CC89021	LS			(1,420)
UTILITY TUNNEL-SA-BR11 CC89046 (11,840SF)	m2	1,100	2,229.2	(2,450)
POTABLE WATER - SA - LA CC84210	LS			(1,760)
SANITARY SEWER - SA - LA CC83210	LS			(880)
COMPRESSED AIR - SA - LA CC89021	LS			(1,320)
STEAM - SA - LA CC82212	LS			(4,170)
SPECIAL COSTS	LS			(950)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(250)
SUPPORTING FACILITIES				1,600
SITE PREPARATIONS	LS			(290)
SPECIAL FOUNDATION FEATURES	LS			(1,010)
PAVING AND SITE IMPROVEMENTS	LS			(180)
MECHANICAL UTILITIES	LS			(120)
SUBTOTAL				27,130
CONTINGENCY (5%)				1,360
TOTAL CONTRACT COST				28,490
SIOH (5.7%)				1,620
SUBTOTAL				30,110
TOTAL REQUEST ROUNDED				30,110
TOTAL REQUEST				30,119
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,210)
10. Description of Proposed Construction:				
Constructs a comprehensive utility backbone which includes an electrical substation on the pier between Berths 1 and 2 and provides integrated shore power to Dry Dock 1. Creating this substation will meet recently adopted				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Utility Improvements for Nuclear Platforms	
5. Program Element 0702776N	6. Category Code 81232	7. Project Number P371	8. Project Cost (\$000) 30,119	
<p>standby power requirements for nuclear-powered warships. It also integrates primary and standby power for the Dry Dock 1 Nuclear Load House and the Defueling Complex, and integrates Power Integration Distribution Centers (PIDC) currently being constructed by Naval Sea Systems Command to meet standby power requirements. PIDCs allow the facility to rapidly transfer loads between commercial and backup power sources as needed during test evolutions and outages with low risks to equipment and personnel.</p> <p>Project provides improvements to steam, compressed air and water distribution capabilities to Berths 1 and 2. This measure is required to ensure Berths 1 and 2 are complete and useable by meeting capacity requirements for all current submarine platforms.</p> <p>Repairs electrical underground infrastructure along Berth 11 to include manholes, duct banks, ungrounded and grounded AC shore power boxes, and 13.2 kV feeders. Due to subsurface instability issues and to improve system access, a utility tunnel will be created, housing electrical and mechanical distribution systems along the berth. This portion of the project results in improved integration of existing Substation 5 at Berths 11, 12, and 13 to provide access to additional shore power assets, Electronic Diesel Generators and PIDCs.</p> <p>Project provides 480 VAC industrial services supporting Dry Dock 1 and Berth 11 from Load Centers 1 and 2, 13.2 kV loop feeders from Franklin Substation to Substation 3, and 13.2 kV loop feeders from the Power Plant to Substation 3.</p> <p>Special costs include post construction contract award services (PCAS). Special costs also include phasing, archeological, and environmental factors allowances (increased trenching for high water levels, special handling and disposal for contaminated hazardous soils).</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact development will be included in the design and construction of this project as appropriate.</p> <p>Special foundation features include land piling driven.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Utility Improvements for Nuclear Platforms	
5. Program Element 0702776N	6. Category Code 81232	7. Project Number P371	8. Project Cost (\$000) 30,119	
Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.				
11. Requirement: <u>11,000 SF</u> Adequate: Substandard: PROJECT: Project constructs an electrical substation, utility tunnel, underground corridor, and consolidates common infrastructure. (Current Mission) REQUIREMENT: Provides increased reliability and resiliency for utility systems primarily responsible for the protection of nuclear-powered submarines and nuclear support facilities. CURRENT SITUATION: The shipyards utility systems experience power failures and continue to degrade. The system is aging, lacks capacity, impacted by severe weather and vulnerable to other risks. The project is not sited in the 100-year floodplain. IMPACT IF NOT PROVIDED: Without this project, high risk threats will not be mitigated.				
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 12/2014 (B) Date 35% Design or Parametric Cost Estimate complete 09/2015 (C) Date design completed 03/2016 (D) Percent completed as of September 2015 35% (E) Percent completed as of January 2016 65% (F) Type of design contract Design Bid Build (G) Parametric Estimate used to develop cost Yes (H) Energy Study/Life Cycle Analysis performed No 2. Basis: (A) Standard or Definitive Design No (B) Where design was previously used 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$1,630 (B) All other design costs \$540 (C) Total \$2,170				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N32446 NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE			4. Project Title Utility Improvements for Nuclear Platforms	
5. Program Element 0702776N	6. Category Code 81232	7. Project Number P371	8. Project Cost (\$000) 30,119	
(D) Contract				\$1,990
(E) In-house				\$180
4. Contract award:				02/2017
5. Construction start:				04/2017
6. Construction complete:				04/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Electrical Load Bank		OPN	2017	250
Emergency Diesel Generator (EDG) x 2		OPN	2017	900
Power Integration Dist. Center (PIDC) x 2		OPN	2017	1,060
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Project Development Lead		Phone No: 207-438-3078		

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.04			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		814	1355	8129	0	0	0	81	27	0	10406
B. End FY 2020		770	1464	8129	0	0	0	81	27	0	10471
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(6424 Acres)											
B. INVENTORY AS OF 30 SEP 2015											3,271,074
C. AUTHORIZATION NOT YET IN INVENTORY											45,844
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											40,576
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											0
G. REMAINING DEFICIENCY											843,910
H. GRAND TOTAL											4,201,404
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
31105	UCLASS RDT&E Hangar	08/2015	08/2016	7475	m2	40,576					
						TOTAL	40,576				
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):											691,648
10. Mission or Major Functions:											
Supports the Navy by providing the warfighter with technologies that deliver dominant combat effects and matchless capabilities. As the host, NAS Patuxent River provides effective and affordable integrated warfare systems and life cycle support by performing RDT&E, acquisition, engineering and fleet support for manned and unmanned aircraft, engines, avionics, aircraft support systems and ship/shore/air operations.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH)(#):											0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.04

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title UCLASS RDT&E Hangar	
5. Program Element 0816376N	6. Category Code 31105	7. Project Number P265	8. Project Cost (\$000) 40,576	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UCLASS RDT&E HANGAR (80,460SF)	m2	7,475		24,510
RDT&E MAINTENANCE HANGAR CC31105 (80,460SF)	m2	7,475	2,654.54	(19,840)
INFORMATION SYSTEMS	LS			(1,000)
BUILT-IN EQUIPMENT	LS			(3,310)
SPECIAL COSTS	LS			(360)
SUPPORTING FACILITIES				12,040
SPECIAL CONSTRUCTION FEATURES	LS			(1,220)
PAVEMENT FACILITIES	LS			(1,770)
SITE PREPARATIONS	LS			(1,730)
SPECIAL FOUNDATION FEATURES	LS			(1,430)
PAVING AND SITE IMPROVEMENTS	LS			(3,480)
ELECTRICAL UTILITIES	LS			(980)
MECHANICAL UTILITIES	LS			(1,360)
DEMOLITION	LS			(70)
SUBTOTAL				36,550
CONTINGENCY (5%)				1,830
TOTAL CONTRACT COST				38,380
SIOH (5.7%)				2,190
SUBTOTAL				40,570
TOTAL REQUEST ROUNDED				40,570
TOTAL REQUEST				40,576
EQUIPMENT FROM OTHER				(6,736)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
<p>Constructs an aircraft hangar with multiple bays to support the research, development, testing, and evaluation (RDT&E) of Unmanned Carrier Launched Aerial Surveillance Systems (UCLASS) / Carrier Based Aerial Refueling Systems (CBARS). The hangar includes: hangar floor area to accommodate two UCLASS aircraft with wings extended and one with wings folded, maintenance shops, crew spaces, storage areas, offices, and laboratory space for Integrated Test Team personnel (ITT).</p> <p>The high bay hangar will have a structural steel hangar-type truss system and columns, a combination sandwich metal panel and concrete masonry wall</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title UCLASS RDT&E Hangar	
5. Program Element 0816376N	6. Category Code 31105	7. Project Number P265	8. Project Cost (\$000) 40,576	
<p>system, pile foundations and grade beams. The roofing system is to be structurally sufficient to support numerous roof-mounted antennas.</p> <p>Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security and progressive collapse mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes an aqueous film-forming foam (AFFF) fire-suppression system, antenna platforms, a compressed air system, a passenger/freight elevator (two story), raised flooring, uninterrupted power service, an aircraft support electrical system, aircraft cooling system, emergency generator, overhead bridge crane rail and a five ton crane.</p> <p>Special costs include post construction contract award services (PCAS).</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include chemical resistant reflective flooring in the hangar bay and High Altitude Electromagnetic Pulses shielding. The facility will include Sensitive Compartmented Information Facilities (SCIF)/open secret spaces.</p> <p>Pavement facilities include an aircraft apron and taxiway to provide aircraft access between the hangar and the rest of the airfield, shoulder, and utility pads.</p> <p>Site preparation includes site clearing, excavation, grading and preparation for construction.</p> <p>Special foundation features include piling foundation system.</p> <p>Paving and site improvements include access road, pavements and site demolition, stormwater drainage and LID measures including green roof for</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title UCLASS RDT&E Hangar	
5. Program Element 0816376N	6. Category Code 31105	7. Project Number P265	8. Project Cost (\$000) 40,576	
<p>storm water management. Parking facilities for approximately 180 vehicles for the UCLASS/CBARS program will be provided in addition to approximately 380 replacement spaces which will be displaced by the new construction.</p> <p>Mechanical utilities include water, sanitary sewer, gas and storm sewer distribution. Additionally, AFFF collection and treatment system, and the utility connection fee are included.</p> <p>This project will demolish Building #2820 (109 m2) due to the proximity to the apron.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>7,475 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Constructs a RDT&E hangar, maintenance and ITT office and laboratory space in support of Acquisition Category (ACAT) I Unmanned Carrier Aviation (UCA) programs. (New Mission)				
REQUIREMENT: A hangar, with associated test facilities, is required to support UCA programs currently in development at NAS Patuxent River. Preliminary testing of air vehicles will begin in 2018 to support an Initial Operating Capability in 2024/25. Existing facilities do not have the capacity or technical capability to meet requirements of the UCLASS / CBARS programs. The iterative RDT&E process requires the collocation of ITT office and laboratory spaces with the hangar facility to ensure timely and efficient support to all future UCA programs.				
CURRENT SITUATION: Existing facilities do not provide adequate space to support new unmanned ACAT I aviation programs. All existing hangar space and associated maintenance, ITT office and laboratory facilities are occupied by existing personnel and ongoing strike aircraft aviation programs. Hangar overcrowding leads to poor aircraft positioning configurations. Personnel must spend time repositioning aircraft to accommodate ITT test and evaluation schedules. The continued repositioning of aircraft increases the risk of accidental collisions, which not only cause ITT downtime and				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title UCLASS RDT&E Hangar	
5. Program Element 0816376N	6. Category Code 31105	7. Project Number P265	8. Project Cost (\$000) 40,576	
<p>program schedule delays but also require costly repairs. Additionally, UCA systems require unique datalink and mission control stations to support routine ground and flight operations.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Deferral of this project or any schedule delay's will cause readiness issues for ground test and first flight support. Delays in certifications and accreditations of the facility will impact initial test team, operator training and mission rehearsal, and significantly impact UCLASS/CBARS beyond-line-of-sight (BLOS) testing. Without BLOS capability, it will be impossible to obtain cross-country Federal Aviation Administration (FAA) Certificates of Authorization. This will add approximately one year delay for air vehicle packing, shipping, and rebuild (as opposed to a single day flying across country during planned detachments). The cost of prolonged test team workforce support could range from \$800,000 to \$1M per day. Employee moves between workaround facilities and the hangar will interrupt and delay on-going UCLASS/CBARS surrogate flight testing during this time-frame. Increased cost burdens for unnecessary and inadequate workaround plans to cover delay during test workforce ramp up at start of the program is not a cost-effective solution.</p> <p>Delays in completion of this project will require the interim use of three existing facilities for program. These facilities are inadequate, are in different locations around the installation and using them will hinder testing and program schedules. Buildings #1668 and #3221 are old and can only provide minimum support. They are both small and neither can accommodate the whole UCA test team, which will mean the team will be fragmented. Building #2780 is a newer building currently used by the Joint Strike Fighter (JSF) program. While the JSF program is ramping down, space within this building may not become available for the UCA programs for several more years and it too is not large enough for the whole team. This project will provide team and laboratory spaces adjacent the hangar bay that will of sufficient size and capability of the whole UCA test team and program.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2015
(B) Date 35% Design or Parametric Cost Estimate complete				01/2016
(C) Date design completed				08/2016
(D) Percent completed as of September 2015				5%

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title UCLASS RDT&E Hangar	
5. Program Element 0816376N	6. Category Code 31105	7. Project Number P265	8. Project Cost (\$000) 40,576	
(E) Percent completed as of January 2016				35%
(F) Type of design contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$3,532
(B) All other design costs				\$1,277
(C) Total				\$4,809
(D) Contract				\$3,837
(E) In-house				\$972
4. Contract award:				04/2017
5. Construction start:				05/2017
6. Construction complete:				11/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Communications and Data Equipment	NWCF	2019	240	
Furniture, Fixtures & Equipment	OMN	2019	2,900	
Industrial Furniture	OMN	2019	3,100	
Security Systems Equipment	OMN	2019	327	
Video Teleconferencing (VTC) Equipment	NWCF	2019	169	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This facility can be used by other components on an as-available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: 301-757-4890		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title UCLASS RDT&E Hangar	
5. Program Element 0816376N	6. Category Code 31105	7. Project Number P265	8. Project Cost (\$000) 40,576	
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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: N60495 NAS FALLON NV FALLON, NEVADA					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.16			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		176	673	178	0	0	0	448	1287	0	2762
B. End FY 2020		197	787	178	0	0	0	448	1287	0	2897
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(256812 Acres)											
B. INVENTORY AS OF 30 SEP 2015											1,449,599
C. AUTHORIZATION NOT YET IN INVENTORY											0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											13,523
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											0
G. REMAINING DEFICIENCY											222,144
H. GRAND TOTAL											1,685,266
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
17135	Air Wing Simulator Facility	07/2014	03/2017	2372 m2	13,523						
TOTAL											13,523
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):											259,311
10. Mission or Major Functions:											
NAS Fallon and the Fallon Range Training Complex are the Navy's premier integrated strike warfare training facilities supporting present and emerging National Defense requirements. The mission is to support carrier air wings preparing to deploy; and other units participating in training events, including joint and multinational training and exercises.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH)(#):											0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N60495 NAS FALLON NV FALLON, NEVADA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.16

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60495 NAS FALLON NV FALLON, NEVADA			4. Project Title Air Wing Simulator Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P440	8. Project Cost (\$000) 13,523	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIR WING SIMULATOR FACILITY (25,532SF)	m2	2,372		9,740
AIR WING SIMULATOR FACILITY CC17135 (25,532SF)	m2	2,372	3,446.55	(8,180)
INFORMATION SYSTEMS	LS			(240)
BUILT-IN EQUIPMENT	LS			(790)
SPECIAL COSTS	LS			(530)
SUPPORTING FACILITIES				2,440
SITE PREPARATIONS	LS			(580)
SPECIAL FOUNDATION FEATURES	LS			(290)
PAVING AND SITE IMPROVEMENTS	LS			(510)
ELECTRICAL UTILITIES	LS			(620)
MECHANICAL UTILITIES	LS			(440)
SUBTOTAL				12,180
CONTINGENCY (5%)				610
TOTAL CONTRACT COST				12,790
SIOH (5.7%)				730
SUBTOTAL				13,520
TOTAL REQUEST ROUNDED				13,520
TOTAL REQUEST				13,523
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(11,237)
10. Description of Proposed Construction:				
<p>Provides an Air Wing Simulator Facility that will support desk-style aircraft simulators, Virtual Aegis Combat simulators (VACsim), F-35 Mission Rehearsal Trainers (MRT), and Unmanned Aerial System (UAS) simulators, E-2D simulators and support spaces. Project will be constructed with reinforced concrete masonry with seismic upgrades, reinforced concrete slab, structural steel framing, elastomeric roof and structural elements that would allow the expansion of the facility in the future if required.</p> <p>Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure. This project also includes a Sensitive Compartmented Information Facility (SCIF) with Secret Internet Protocol Router Network (SIPRNET), Secure Access Program Facility (SAPF), Unclassified but Sensitive Internet Protocol (IP)</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60495 NAS FALLON NV FALLON, NEVADA			4. Project Title Air Wing Simulator Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P440	8. Project Cost (\$000) 13,523	
<p>Router Network (NIPRNET) and Live Virtual Constructive (LVC) capabilities.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes an uninterruptible power supply, diesel emergency generator and raised flooring.</p> <p>Special costs include Post Construction Contract Award Services. Special costs also include monitoring during SCIF construction; including surveillance by Construction Security Technicians and Cleared American Guards during secure space finish work in accordance with Intelligence Community guidance. Construction monitoring is required to observe the construction to ensure that there are no abnormalities that could affect and compromise the security of the SCIF.</p> <p>DoD and Department of the Navy (DoN) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Parking facilities for approximately 20 vehicles will be provided adjacent to the facility because the new building site is over the existing parking facility.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in the DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>1,977 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Constructs an Air Wing Simulator Facility that will support desk-style simulators, VACsim, F-35 MRT, and UAS simulators, E-2D simulators and support spaces. (Current Mission)				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60495 NAS FALLON NV FALLON, NEVADA			4. Project Title Air Wing Simulator Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P440	8. Project Cost (\$000) 13,523	
REQUIREMENT:				
<p>A simulator facility is required to support increasingly sensitive security training requirements at the Naval Strike and Air Warfare Center (NSAWC) at Naval Air Station Fallon. NSAWC's mission requires operational trainers for several types of functions. The primary function requires coordinated and simultaneous access to multiple aviation platforms at multiple levels of classification for tactics development. A second function is to manage the aviation combat tactics development, validation, standardization and publication of Naval Aviation Tactics, Techniques, and Procedures (NTTP) and conduct combat aviation tactics development in fleet representative assets. NSAWC must have the organic capability to test and evaluate new capabilities, both in aircraft and weapons improvements.</p> <p>This project is the last phase in the three-step approach to improving the integrated phase of the Fleet Readiness Plan Pre-deployment Aviation Training program. The new simulator facility will provide enhanced training against advanced threats that cannot be performed in a live scenario. The simulators are not intended to replace/reduce training flight hours, but to provide tactical participation in training events and can be fused with actual aircraft events being conducted on the Fallon training range, which is a new capability.</p>				
CURRENT SITUATION:				
<p>As technology standards have increased, SCIF and SAPF spaces are required to work and test NTTP. As a result of Fleet air assets transitioning to a higher level of security, the Fallon Range Training Complex (FRTC) requirements are changing as well. Many NTTPs performed by NSAWC in support of their mission cannot be executed and perfected due to the limits of airspace availability and higher security. This project supports coordinated and simultaneous access to multiple aviation platforms at various levels of classification for tactics development. The flight hour cost of aircraft for test and development is extremely high. In addition, for years the command has expended vast amounts of travel funding to send the staff Subject Matter Experts to the location of simulators to work out these NTTP and provide the most current NTTP to the deployed fleet. Lastly, the lack of staff aircraft reduces live-fly test and development of new and improved tactics. The only solution is to transition to simulators for much of the development of new and improved tactics and conduct live-fly for the validation phase. Live-fly scenarios will still be conducted for the validation phase of training.</p> <p>This project is not sited in the 100-year floodplain.</p>				
IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60495 NAS FALLON NV FALLON, NEVADA			4. Project Title Air Wing Simulator Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P440	8. Project Cost (\$000) 13,523	
<p>The current level of technology standards have forced the transition to higher than secret level spaces to work and test advanced NTTP. As a result of fleet air assets transitioning to higher security levels, the FRTC air space and range requirements are transitioning as well, however, at a much slower pace. Many current operations simply cannot be executed or perfected on the current FRTC.</p> <p>Some of the simulators are planned to arrive in 2017, and they will be installed in temporary spaces that are insufficient in the long term. F-35 and F/A-18 simulators are planned to arrive in 2019 and 2020. Up to one year is required post-construction to install the IT infrastructure that will support and connect the various simulator systems. Without this project there will be no space to install or operate the incoming simulators.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2014
(B) Date 35% Design or Parametric Cost Estimate complete				09/2015
(C) Date design completed				03/2017
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				45%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,203
(B) All other design costs				\$255
(C) Total				\$1,458
(D) Contract				\$1,105
(E) In-house				\$353
4. Contract award:				06/2017
5. Construction start:				08/2017
6. Construction complete:				08/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60495 NAS FALLON NV FALLON, NEVADA			4. Project Title Air Wing Simulator Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P440	8. Project Cost (\$000) 13,523	
Furniture, Fixtures & Equipment		OMN	2017	1,307
Simulators		OPN	2017	9,930
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: 775-426-2392		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N60495 NAS FALLON NV FALLON, NEVADA			4. Project Title Air Wing Simulator Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P440	8. Project Cost (\$000) 13,523	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM							2. Date 09 FEB 2016			
3. Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA					4. Command Commandant of the Marine Corps			5. Area Const Cost Index .95			
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
	A. As Of 09-30-15	4125	43448	4040	1835	38471	177	0	0	61454	153550
B. End FY 2020	3951	39342	4045	1634	35293	132	0	0	61454	145851	
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(250817 Acres)											
B. INVENTORY AS OF 30 SEP 2015										10,356,578	
C. AUTHORIZATION NOT YET IN INVENTORY										573,363	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										18,482	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										55,026	
F. PLANNED IN NEXT THREE PROGRAM YEARS										87,987	
G. REMAINING DEFICIENCY										2,016,031	
H. GRAND TOTAL										13,107,467	
8. Projects Requested In This Program											
<u>Cat</u>						<u>Design Status</u>		<u>Cost</u>			
<u>Code</u>	<u>Project Title</u>					<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>		
17310	Range Facilities Safety Improvements					06/2014	09/2016	8 EA	18,482		
								TOTAL	18,482		
9. Future Projects:											
A. Included In The Following Program:											
84110 Water Treatment Facility, HP Phase 1										55,026	
										TOTAL	55,026
B. Major Planned Next Three Years:											
BACHELOR ENLISTED QUARTERS										37,843	
2ND RADIO BATTALION COMPLEX, PHASE 2										45,372	
ACV Maintenance Facility Upgrades										4,772	
										TOTAL	87,987
C. R&M Unfunded Requirement (\$000):										203,478	
10. Mission or Major Functions:											
MCB Camp Lejeune supports the combat readiness of 2nd Marine Expeditionary Force units by providing training, logistic, garrison, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation. The base conducts specialized schools and other training and receives and processes students in order to conduct field training in basic combat skills. MCB Camp Lejeune promotes the combat readiness of the Operating Forces and supports the mission of other tenant commands.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):										0	
B. Occupational Safety and Health(OSH)(#):										0	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .95

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67001(HA) MARINE CORPS BASE CAMP LEJEUNE (RIFLE RANGE) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Range Facilities Safety Improvements	
5. Program Element 0202176M	6. Category Code 17310	7. Project Number P1428	8. Project Cost (\$000) 18,482	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RANGE FACILITIES SAFETY IMPROVEMENTS	EA	8		12,350
RANGE PIT HOUSES CC17310	EA	3	600,650	(1,800)
FIELD HEADS CC73075	EA	2	131,500	(260)
CONCRETE PIT WALL REPLACEMENT	EA	3	1,837,550	(5,510)
BUILT-IN EQUIPMENT	LS			(4,300)
SPECIAL COSTS	LS			(360)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(120)
SUPPORTING FACILITIES				4,300
SITE PREPARATIONS	LS			(1,400)
SPECIAL FOUNDATION FEATURES	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(1,040)
ELECTRICAL UTILITIES	LS			(980)
MECHANICAL UTILITIES	LS			(220)
ENVIRONMENTAL MITIGATION	LS			(420)
SUBTOTAL				16,650
CONTINGENCY (5%)				830
TOTAL CONTRACT COST				17,480
SIOH (5.7%)				1,000
SUBTOTAL				18,480
TOTAL REQUEST ROUNDED				18,480
TOTAL REQUEST				18,482
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(205)
10. Description of Proposed Construction:				
<p>Construct three low rise buildings to serve as consolidated down range pit houses for target storage, head facilities and sound sheds. Construction to include structural steel framing, reinforced exterior masonry walls, brick veneer, reinforced concrete floors, ballistic protection and asphalt shingled roofs.</p> <p>Construct two low rise head facilities with interior concrete masonry unit walls and structural steel framing, reinforced masonry walls, brick veneer, ballistic protection and reinforced concrete foundation, floors, and roofs.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67001(HA) MARINE CORPS BASE CAMP LEJEUNE (RIFLE RANGE) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Range Facilities Safety Improvements	
5. Program Element 0202176M	6. Category Code 17310	7. Project Number P1428	8. Project Cost (\$000) 18,482	
<p>These structures include additional structural features because they will be built into the berms.</p> <p>Replace concrete range pit walls and associated earthen berms for Known Distance (KD) Ranges Alpha/Bravo/Charlie. Construction to include demolition of existing concrete pit walls, berms and reconstruction with reinforced concrete, new earthen berms, benches, and a target trench system. Project also installs a rubber matting system to prevent excess erosion at each KD firing position for Alpha/Bravo/Charlie ranges.</p> <p>Built in equipment includes public address system, benches and rubber matting for firing positions and safety berm, trench, target numbers and benches for the target system.</p> <p>Information systems include telephone, data, local area network, voice and data communication, public address, and fire alarm systems and infrastructure.</p> <p>Special costs include post construction contract award services and geospatial data survey and mapping. Building architecture shall be Georgian as defined for the Stone Bay area.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Operations and maintenance support information is included in this project.</p> <p>Site preparation includes clearing and grubbing, earthwork, cut/fill, unexploded ordnance sweep and removal, demolition of existing retaining wall and lead contaminated soil removal and disposal.</p> <p>Special foundation features includes undercut and backfill under building slabs.</p> <p>Paving and site improvements include grading, access road upgrades and asphalt paving, curbs, sidewalks, stormwater management, environmental protection measures, landscaping, building and roadway signage, and vehicle gates.</p>				

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5. Program Element 0202176M	6. Category Code 17310	7. Project Number P1428	8. Project Cost (\$000) 18,482	
<p>Electrical utilities include upgrades to primary and secondary electrical distribution systems, common bank and telecommunications infrastructure. Also included are outside area lighting and transformers.</p> <p>Mechanical utilities include replacement of water lines, storm drainage and sanitary sewer lines.</p> <p>Environmental remediation includes wetlands mitigation.</p> <p>This project includes the demolition of the following buildings in order to clear the project site for new construction - Buildings #RR29 Public Toilet (28 m2), #RR30 Training Material Storage (251 m2), #RR31 Public Toilet (15 m2), #RR32 Latrine vic B Range (15 m2), #RR33 Training Material Storage (215 m2), #RR34 Public Toilet (28 m2), #RR35 Public Toilet (24 m2), #RR36 Training Material Storage (215 m2), and #RR37 Public Toilet (28 m2).</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>8 EA</u> Adequate: <u>0 EA</u> Substandard: <u>0 EA</u></p> <p>PROJECT:</p> <p>Constructs consolidated range pit houses at each Known Distance Range (Alpha/Bravo/Charlie) at Stone Bay in support of Weapons Training Battalion. Project also includes the replacement of concrete pit walls and earthen berms at ranges.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Provide safe and adequate facilities to support range qualifications for the approximately 24,000 Marines per year supported by Weapons Training Battalion.</p> <p>CURRENT SITUATION:</p> <p>The Stone Bay KD ranges and their associated support structures were designed and built during World War II to support rifle qualifications. The structures have not been significantly modified since construction. The target sheds were designed to safely repair and store all targets used during annual requalification. Target sheds were only originally designed to store 50 each of three types of targets. Under the current marksmanship program, 50 each of five types of targets are used which results in</p>				

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5. Program Element 0202176M	6. Category Code 17310	7. Project Number P1428	8. Project Cost (\$000) 18,482	
<p>inadequate storage and repair space. An attached sound shed is connected to the target shed and designed to provide a safe observation and control point for the Pit Non-Commissioned Officer. A separate head facility for male and female shooters is provided at each range, but currently there is no access between the head facilities, target shed, or sound shed during live firing events. Current head facilities have only one toilet and one urinal each for approximately 250 Marines, which is inadequate during breaks in firing. With no interconnection of facilities, Marines must move into the impact area for very routine tasks such as target repair, retrieving supplies, or even use of the heads.</p> <p>The existing structures must be replaced in order to effectively handle the ballistics difference between the .30 caliber M1 and the 5.56mm M16/M4 in order to reduce ricochet hazards from bullets striking the fascia and brick of the target and sound sheds. Current ballistics in use reduces the safe distances beyond the targets, thus restricting movement to the heads and sheds during long range live fire events.</p> <p>The range pit walls have significant deterioration from the 70+ years of continued use. Current targets cannot be mounted on the top cantilever of the pit wall due to structural instability, thus preventing their use and precluding mission essential training with moving targets.</p> <p>These facilities are not conducive to training, substandard and beyond their life expectancy, and cannot sustain the advanced level of training required for mission readiness.</p> <p>This project is not sited in a 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The Weapons Training Battalion training mission will continue to be impacted by facilities that are undersized and deteriorated. Failure to provide these essential facilities and supporting infrastructure will result in a shortage of adequately trained Marines and impose an adverse impact on II Marine Expeditionary Force. Without adequate essential training facilities, Marines experience degradation of unit readiness along with the inability to maintain equipment, perform operations, and train personnel, ultimately compromising combat readiness.</p>				
<p>12. Supplemental Data:</p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 06/2014</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 09/2015</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67001(HA) MARINE CORPS BASE CAMP LEJEUNE (RIFLE RANGE) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Range Facilities Safety Improvements	
5. Program Element 0202176M	6. Category Code 17310	7. Project Number P1428	8. Project Cost (\$000) 18,482	
(C) Date design completed				09/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				45%
(F) Type of design contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$966
(B) All other design costs				\$350
(C) Total				\$1,316
(D) Contract				\$1,166
(E) In-house				\$150
4. Contract award:				02/2017
5. Construction start:				03/2017
6. Construction complete:				09/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
AV/TV	PMC	2018	100	
Collateral Equipment	O&MMC	2018	50	
Mass Notification	PMC	2018	25	
NGEN Cost	PMC	2018	30	
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: (910) 451-9455		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
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5. Program Element 0202176M	6. Category Code 17310	7. Project Number P1428	8. Project Cost (\$000) 18,482	
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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM					2. Date 09 FEB 2016				
3. Installation and Location: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index .97					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		932	7788	1314	226	755	0	0	0	58731	69746
B. End FY 2020		828	7082	1313	144	687	0	0	0	58731	68785
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(14395 Acres)											
B. INVENTORY AS OF 30 SEP 2015										3,004,765	
C. AUTHORIZATION NOT YET IN INVENTORY										109,941	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										12,515	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0	
F. PLANNED IN NEXT THREE PROGRAM YEARS										127,946	
G. REMAINING DEFICIENCY										487,475	
H. GRAND TOTAL										3,742,642	
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>					
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
* 82112	Central Heating Plant Conversion	02/2015	07/2016	315 MB	12,515						
									TOTAL	12,515	
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
21451 MACS2 Operations and Maintenance Facility										9,842	
21105 Aircraft Maintenance Hangar										118,104	
									TOTAL	127,946	
C. R&M Unfunded Requirement (\$000):										76,858	
10. Mission or Major Functions:											
Marine Corps Air Station Cherry Point supports and enhances the combat readiness of 2nd Marine Aircraft Wing units and other Department of Defense units while improving the quality of life for military personnel, their families, and work force assigned to the Air Station. The Air Station maintains facilities and property, provides security and other services, and operates the airfield in support of tenant units and other forces training/preparing for combat in order to deter, prevent, and defeat threats and aggression aimed at the United States.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):										12,515	
B. Occupational Safety and Health(OSH)(#):										0	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .97

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title Central Heating Plant Conversion	
5. Program Element 0202176M	6. Category Code 82112	7. Project Number P224	8. Project Cost (\$000) 12,515	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CENTRAL HEATING PLANT CONVERSION	MB	315		6,750
CENTRAL HEATING PLANT CC82109 (RENOVATE)	MB	315	18,027	(5,680)
INFORMATION SYSTEMS	LS			(100)
BUILT-IN EQUIPMENT	LS			(560)
SPECIAL COSTS	LS			(280)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(130)
SUPPORTING FACILITIES				4,530
SPECIAL CONSTRUCTION FEATURES	LS			(3,300)
SITE PREPARATIONS	LS			(130)
PAVING AND SITE IMPROVEMENTS	LS			(210)
ELECTRICAL UTILITIES	LS			(60)
MECHANICAL UTILITIES	LS			(830)
SUBTOTAL				11,280
CONTINGENCY (5%)				560
TOTAL CONTRACT COST				11,840
SIOH (5.7%)				670
SUBTOTAL				12,510
TOTAL REQUEST ROUNDED				12,510
TOTAL REQUEST				12,515
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(100)
10. Description of Proposed Construction:				
<p>Convert four existing boilers to burn natural gas as the primary fuel and No. 2 fuel oil as backup. Modifications to the boilers include installation of new burners, fans, windboxes, burner management systems, and other required components.</p> <p>Information systems includes upgrades to boiler control systems.</p> <p>Built-in equipment includes the installation of a No. 2 fuel oil tank, natural gas piping and infrastructure. Repairs to existing built-in equipment include the replacement of the condensate tanks and polishers, painting the existing storage tanks, and modifications to the water treatment system.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title Central Heating Plant Conversion	
5. Program Element 0202176M	6. Category Code 82112	7. Project Number P224	8. Project Cost (\$000) 12,515	
<p>Special costs include Post Construction Contract Award Services (PCAS), permitting fees, phasing costs and initial system training.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include the removal of the coal delivery system, the ash removal equipment, including the water treatment system, and includes closing the associated building penetrations by bricks, louvers and windows as appropriate.</p> <p>Site preparation includes pavement and contaminated earth removal. It also includes the demolition of a railroad track and an oil/water separator.</p> <p>Paving and site improvements include the installation of a reinforced chain-link fence and surveillance cameras. The coal yard will be modified for use as a parking lot. Sidewalks and walkways shall be provided around the site as required. Curb and gutter and stormwater utility rerouting will be utilized to improve site drainage.</p> <p>Electrical utilities include exterior lighting.</p> <p>Mechanical utilities include fuel oil and condensate loop piping and repairs to the existing plant auxiliaries, offloading transfer station, and pumps.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>315 MB</u> Adequate: <u>0 MB</u> Substandard: <u>0 MB</u> PROJECT:</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title Central Heating Plant Conversion	
5. Program Element 0202176M	6. Category Code 82112	7. Project Number P224	8. Project Cost (\$000) 12,515	
<p>Convert all four coal burning boilers to natural gas as the primary fuel source and No. 2 fuel oil as the backup fuel source and remove all coal and ash handling equipment and systems.</p> <p>(Current Mission)</p>				
<p>REQUIREMENT:</p>				
<p>This project is required because the coal handling equipment and ash removal equipment is beyond their useful life and steam is still needed to heat the buildings on the base and at the Fleet Readiness Center East which uses the steam in many of their industrial processes.</p>				
<p>This project enables compliance with the requirements of the EPA's Boiler - Maximum Achievable Control Technology (MACT) regulation of December 2013, which requires implementation before 2019. This regulation affects air toxic standards by limiting air pollutant emissions from large (major) industrial, commercial, and institutional boilers. Current Title V regulations as well as the Boiler - MACT regulations have established strict emission limits when firing coal. These regulatory limits will be extremely difficult and expensive to meet if the Cherry Point central heating plant continues to use coal as its primary fuel source.</p>				
<p>CURRENT SITUATION:</p>				
<p>The central heating plant at Cherry Point distributes steam to 120 buildings. The steam is generated using a combination of coal and fuel oil as the primary fuel. Boilers #1 and #2 are coal fired units, originally installed in 1977 and re-tubed in 2007 and 2008, respectively. Boilers #3 and #4 were installed in 1989 and burn number 2 fuel oil.</p>				
<p>The ash handling system is at the end of its useful life and needs replacement if coal remains as the fuel source for the boilers. Additionally, the coal handling system, constructed in 1988, is in need of extensive renovations if coal remains as the fuel source for the boilers.</p>				
<p>The burner systems on Boiler #3 and #4 no longer efficiently burn number 2 fuel oil.</p>				
<p>Although the site does not currently have natural gas, the local natural gas distribution company will provide the natural gas supply line to the project site.</p>				
<p>This project is not sited in a 100-year flood plain.</p>				
<p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title Central Heating Plant Conversion	
5. Program Element 0202176M	6. Category Code 82112	7. Project Number P224	8. Project Cost (\$000) 12,515	
Without this project, the Boiler-MACT requirements will not be achieved while burning coal. A major repair project would be required to meet the mercury and hydrogen chloride emission limits. Based on a condition assessment and economic analysis, without the conversion of the heating plant the repairs and additional control equipment needed for MACT compliance are estimated to exceed \$20 million.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2015
(B) Date 35% Design or Parametric Cost Estimate complete				01/2016
(C) Date design completed				07/2016
(D) Percent completed as of September 2015				15%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$250
(C) Total				\$850
(D) Contract				\$700
(E) In-house				\$150
4. Contract award:				03/2017
5. Construction start:				04/2017
6. Construction complete:				08/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
CCTV	PMC	2018		100
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title Central Heating Plant Conversion	
5. Program Element 0202176M	6. Category Code 82112	7. Project Number P224	8. Project Cost (\$000) 12,515	
<p>Activity POC: Project Development Lead Phone No: 252-466-4640</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM		2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA		4. Project Title Central Heating Plant Conversion	
5. Program Element 0202176M	6. Category Code 82112	7. Project Number P224	8. Project Cost (\$000) 12,515
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM							2. Date 09 FEB 2016		
3. Installation and Location: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA					4. Command Commandant of the Marine Corps			5. Area Const Cost Index .92		
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-15	342	3070	958	0	0	0	0	0	7398 11768
B. End FY 2020	354	3380	958	0	0	0	0	0	7398 12090	
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(7964 Acres)										
B. INVENTORY AS OF 30 SEP 2015										1,204,943
C. AUTHORIZATION NOT YET IN INVENTORY										78,037
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										83,490
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										91,690
F. PLANNED IN NEXT THREE PROGRAM YEARS										62,940
G. REMAINING DEFICIENCY										482,000
H. GRAND TOTAL										2,003,100
8. Projects Requested In This Program										
<u>Cat</u>						<u>Design Status</u>		<u>Cost</u>		
<u>Code</u>	<u>Project Title</u>			<u>Start</u>	<u>Complete</u>			<u>Scope</u>	<u>(\$000)</u>	
21105	Aircraft Maintenance Hangar			06/2014	05/2017			19397 m2	83,490	
									TOTAL	83,490
9. Future Projects:										
A. Included In The Following Program:										
14187 Cryogenics Facility										6,635
21105 Aircraft Maintenance Hangar										67,175
12150 Jet Fuel Storage Expansion										17,880
									TOTAL	91,690
B. Major Planned Next Three Years:										
11110 F-35B Aircraft Assault Strip										5,118
13117 Upgrade Communication Infrastructure										36,219
17135 JSF Maintenance Training Facility										17,519
14986 JSF Operations Support Facility										4,084
									TOTAL	62,940
C. R&M Unfunded Requirement (\$000):										22,999
10. Mission or Major Functions:										
Marine Corps Air Station Beaufort supports and enhances the combat readiness of the Marine Corps Aviation Combat Element and Department of Defense units while improving the quality of life for military personnel, their families, and work force assigned to the Air Station. The Air Station maintains facilities and property, provides security and other services, and operates the airfield in support of tenant units and other forces training/preparing for combat in order to deter, prevent, and defeat threats and aggression aimed at the United States.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .92
B. Occupational Safety and Health(OSH)(#):		0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P464	8. Project Cost (\$000) 83,490	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT MAINTENANCE HANGAR (208,788SF)	m2	19,397		45,270
HANGAR CC21105 (103,441SF)	m2	9,610	3,119.31	(29,980)
PILOT FITTING FACILITY CC21175 (4,026SF)	m2	374	3,007	(1,120)
OPERATIONAL SUPPORT FACILITY CC14986 (7,718SF)	m2	717	2,361	(1,690)
PARKING FACILITY CC85310 (93,603SF)	m2	8,696	852	(7,410)
INFORMATION SYSTEMS	LS			(360)
BUILT-IN EQUIPMENT	LS			(2,620)
SPECIAL COSTS	LS			(1,790)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(300)
SUPPORTING FACILITIES				27,340
SITE PREPARATIONS	LS			(3,560)
SPECIAL FOUNDATION FEATURES	LS			(5,320)
PAVING AND SITE IMPROVEMENTS	LS			(9,200)
ELECTRICAL UTILITIES	LS			(6,570)
MECHANICAL UTILITIES	LS			(2,340)
DEMOLITION	LS			(350)
SUBTOTAL				72,610
CONTINGENCY (5%)				3,630
TOTAL CONTRACT COST				76,240
SIOH (5.7%)				4,350
SUBTOTAL				80,590
DESIGN/BUILD - DESIGN COST				2,900
TOTAL REQUEST ROUNDED				83,490
TOTAL REQUEST				83,490
EQUIPMENT FROM OTHER				(9,250)
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction:				
Construct a multi-story facility on pile foundation with reinforced concrete slab, structural steel framing, reinforced masonry walls, split faced concrete masonry unit/metal panel veneer, and standing seam metal				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P464	8. Project Cost (\$000) 83,490	
<p>roof. The new facility will be in support of an F-35B Joint Strike Fighter (JSF) Training Squadron and will provide legacy compliant aircraft maintenance hangar consisting of high bay space, crew and equipment space, administrative space, data network areas, and pilot brief and debrief rooms. Project includes Special Access Program Facility (SAPF) areas for secured handling and storage of classified material and components.</p> <p>Pilot fitting facility (PFF) is a pile-supported, brick veneer, reinforced concrete structure with reinforced concrete foundation and structural steel roof framing and standing seam metal roof for complete and proper fit of pilot support equipment (PSE) and PSE storage.</p> <p>Operational support facility is a pile-supported, brick veneer, reinforced concrete structure with reinforced concrete foundation and structural steel roof framing and standing seam metal roof for F-35B alternate mission equipment storage.</p> <p>Due to limited site, ground level parking is not feasible adjacent to the hangar; therefore, the project includes a multi-level, reinforced concrete parking facility for approximately 500 vehicles near the hangar for hangar personnel and to replaced existing spaces.</p> <p>Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure. Premium information systems include additional communications for Autonomic Logistics Information System (ALIS) and network connectivity in the Maintenance Bay.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with the DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-In Equipment includes a generator, aqueous film-forming foam (AFFF) fire-suppression system, 5 ton bridge crane, passenger/freight elevator, sound attenuation for flightline noise, and seismic bracing.</p> <p>Special costs include geospatial survey and mapping and post construction award services (PCAS).</p> <p>Operations and maintenance support information (OMSI) is included in the project.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P464	8. Project Cost (\$000) 83,490	
<p>Department of Defense and Department of Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparations include soils clearing and preparation for construction, removal of contaminated earth, grading, site demolition, bioretention cells and re-routing of existing utilities. Demolition of a wash rack, liquid oxygen and liquid nitrogen storage tanks and a weather pad.</p> <p>Special foundation features include a pile supported foundation system.</p> <p>Paving and site improvements include taxiway, site concrete (walkways and hardstands), security fencing, wide bodied fueling station, landscaping, flightline access turnstiles, surface parking for approximately 100 spaces at the PFF, storm water management, extension of the aircraft parking apron near the hangar, aircraft access apron, and relocation of an existing concrete pad for weather detection equipment.</p> <p>Electrical utilities include new/rerouted primary and secondary distribution systems, switch gear/transformers, site lighting, Flight Line Electrical Distribution System (FLEDS) in support ground support equipment (GSE), telecommunications infrastructure for telephone, data, and security alarm, fire alarm distribution, 400Hz interface and renewable energy systems.</p> <p>Mechanical Utilities include water distribution, fire protection distribution, storm drainage distribution, AFFF collection and treatment system, fueling station and fuel piping loop system.</p> <p>Demolition includes Building # 728, Aircraft Maintenance Hangar, 24,141SF, Building #785, Aircraft Weapons Alignment Shelter, 1632SF, Building #786, Aircraft Weapons Alignment Shelter, 1,632SF, Building #1002, Used Oil Storage Shelter, 144SF, Building #1249, Ready Service Locker, 160SF, Building #1020, Flammable Storage Facility, 135SF, Building #1021, Flammable Storage Facility, 135SF, Building #1136, Ready Service Locker, 245SF, and Building #691, Storage Locker, 144SF.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P464	8. Project Cost (\$000) 83,490	
satisfying the facility requirements with the goal of maximizing energy efficiency.				
11. Requirement: <u>19,397 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Project constructs an aircraft hangar to support one F-35B training squadron with 25 aircraft assigned, a PFF, an operational support facility, and a parking facility. (New Mission) REQUIREMENT: An aircraft maintenance hangar consisting of high bay space, crew and equipment space, administrative space, data network areas, and pilot brief and debrief rooms is required for one F-35B training squadron of 25 aircraft to meet their mission. Data network areas, pilot brief and debrief rooms require special access program (SAP) classified areas. Maintenance hangar will provide shelter for the servicing and repair of aircraft at the organizational level and emergency shelter for inoperable aircraft. An operational support facility and a PFF is required for pilot support equipment, fitting, and storage. The squadron is scheduled to arrive in calendar year 2020. Due to site limitations and parking being demolished to make room for the new facilities, a parking facility is required to meet the existing and additional parking needs. CURRENT SITUATION: Existing facilities are not large enough to accommodate the F-35 concept of operations. Existing shop maintenance and administrative spaces do not meet the operational or security requirements of the F-35 program. Additionally, no existing facilities are sized adequately to support a training squadron of 25 aircraft. The existing 50+ year old hangars have reached the end of their useful life. This project is not sited in a 100-year flood plain. IMPACT IF NOT PROVIDED: Failure to fund this project in 2017 will result in lack of proper F-35B Fleet Replacement Squadron training. As MCAS Beaufort is the only site for initial F-35B pilot training, production of F-35B pilots will not meet Operating Force and Combatant Commander requirements if this facility is not completed on schedule. Personnel will not be able to perform maintenance on the required number of aircraft consequently impact aircraft availability for training and operations.				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P464	8. Project Cost (\$000) 83,490	
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2014
(B) Date 35% Design or Parametric Cost Estimate complete				05/2015
(C) Date design completed				05/2017
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				45%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,675
(B) All other design costs				\$1,175
(C) Total				\$3,850
(D) Contract				\$1,400
(E) In-house				\$2,450
4. Contract award:				01/2017
5. Construction start:				06/2017
6. Construction complete:				12/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Collateral Equipment	O&MMC	2018	2,500	
Communication Equipment	PMC	2018	1,000	
Intrusion Detection System	PMC	2018	2,000	
Sun Shelters	PMC	2018	3,750	
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: (843) 228-6704		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M60169 MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SOUTH CAROLINA			4. Project Title Aircraft Maintenance Hangar	
5. Program Element 0216496M	6. Category Code 21105	7. Project Number P464	8. Project Cost (\$000) 83,490	
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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA				4. Command Commandant of the Marine Corps			5. Area Const Cost Index .92				
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		255	2142	502	0	0	0	0	0	7364	10263
B. End FY 2020		237	2039	502	0	0	0	0	0	7364	10142
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(8080 Acres)											
B. INVENTORY AS OF 30 SEP 2015											1,399,368
C. AUTHORIZATION NOT YET IN INVENTORY											10,135
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											29,882
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											0
G. REMAINING DEFICIENCY											197,684
H. GRAND TOTAL											1,637,069
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
72115	RECRUIT RECONDITIONING CENTER & BARRACKS	02/2015	06/2017	6034 m2	29,882						
TOTAL										29,882	
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
C. R&M Unfunded Requirement (\$000):											83,113
10. Mission or Major Functions:											
Marine Corp Recruit Depot Parris Island provides reception, processing and recruit training for enlisted personnel upon their entry into the Marine Corps. The depot also provides recruits with battle skills training and provides schools to train enlisted personnel in the administrative duties of first sergeant, sergeant major and administrative chief. The depot trains drill instructors and drum and bugle corps members and conducts rifle marksmanship training for Marine officers and enlisted personnel.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH)(#):											0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .92

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Recruit Reconditioning Center & Barracks	
5. Program Element 0202176M	6. Category Code 72115	7. Project Number P403	8. Project Cost (\$000) 29,882	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RECRUIT RECONDITIONING CENTER & BARRACKS (64,949SF)	m2	6,034		19,440
RECRUIT BARRACKS-PHYS_REHAB CC72115 (48,319SF) (RENOVATE)	m2	4,489	2,622.61	(11,770)
RECRUIT RECONDITIONING CENTER CC55010 (16,630SF)	m2	1,545	3,447.54	(5,330)
INFORMATION SYSTEMS	LS			(520)
ANTI-TERRORISM/FORCE PROTECTION	LS			(190)
BUILT-IN EQUIPMENT	LS			(600)
SPECIAL COSTS	LS			(940)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SUPPORTING FACILITIES				6,550
SPECIAL CONSTRUCTION FEATURES	LS			(910)
SITE PREPARATIONS	LS			(880)
SPECIAL FOUNDATION FEATURES	LS			(1,420)
PAVING AND SITE IMPROVEMENTS	LS			(640)
ELECTRICAL UTILITIES	LS			(690)
MECHANICAL UTILITIES	LS			(1,040)
DEMOLITION	LS			(970)
SUBTOTAL				25,990
CONTINGENCY (5%)				1,300
TOTAL CONTRACT COST				27,290
SIOH (5.7%)				1,560
SUBTOTAL				28,850
DESIGN/BUILD - DESIGN COST				1,040
TOTAL REQUEST ROUNDED				29,890
TOTAL REQUEST				29,882
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,100)
10. Description of Proposed Construction:				
Modernize the Recruit Barracks Building #6004 by complete interior/exterior renovations and upgrades to building architectural, structural, mechanical, electrical, and fire protection systems. Provide seismic upgrades.				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Recruit Reconditioning Center & Barracks	
5. Program Element 0202176M	6. Category Code 72115	7. Project Number P403	8. Project Cost (\$000) 29,882	
<p>Modernize the center's support space by complete replacement to, and inclusive of, the structural foundation. This new support space will include Drill Instructor office space and berths, observation windows, accessible restrooms and showers, benches, casework, academic/classroom space, recruit deck check in, waiting area, recruit storage area, and office space for the company headquarters personnel. Renovation also includes new mechanical and electrical services, new telecommunication room, and structural foundation with connections to the existing structure.</p> <p>Construct a Recruit Reconditioning Center that will house a reconditioning fitness center for the physical trainers of the Support Battalion and space for a Sports Medicine and Reconditioning Training (SMART) clinic to support the Special Training Company (STC) recruits. The facility will provide space for specialized exercise equipment, exam rooms, equipment storage rooms, open exercise mat area, general fitness area, open exercise space, high impact gypsum board athletic flooring, full wall safety mirror system, office space for the trainers and clinic personnel, restrooms, benches, casework, storage lockers, and a laundry area. This facility is designated to house injured Marine recruits and shall be ADA compliant.</p> <p>Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes storage lockers, hot tub, cold tub, cushioned low-impact flooring, fire pump with backup generator and two passenger/freight combination elevators.</p> <p>Special costs include Post Construction Award Services (PCAS) and Geospatial Survey and Mapping.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Recruit Reconditioning Center & Barracks	
5. Program Element 0202176M	6. Category Code 72115	7. Project Number P403	8. Project Cost (\$000) 29,882	
<p>Special construction features include sound attenuation, epoxy flooring, high impact walls, therapy pool and standing seam metal roof.</p> <p>Site preparation includes site clearing of trees and pavements, removal of contaminated soil, demolition of existing piles and steam line and site fill.</p> <p>Special foundation features include pile foundation with structural fill.</p> <p>Paving and site improvements include site clearing, exterior site and building lighting, parking for approximately 25 vehicles, sidewalks, curb and gutter, troop formation area, landscaping and irrigation, stormwater management, and concrete dumpster pad with masonry enclosure.</p> <p>Electrical utilities include primary and secondary distribution, telephone, fiber optic cable and Local Area Network (LAN) and site lighting and security alarm systems.</p> <p>Mechanical utilities include domestic and fire protection water, natural gas, sanitary and storm sewers, geothermal wells and ground source heat pumps.</p> <p>Demolition includes four of the eight squad bays and the center support section of Building #6004 as the functions they housed are no longer needed. Demolition includes abatement of asbestos containing materials and lead paint.</p> <p>Intended grade mix: 300 E1-E3 Total: 300 persons Maximum Utilization: 300 E1-E3</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>6,034 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Construct a Recruit Reconditioning Facility which will include a SMART clinic for Marine recruits injured during training or requiring special attention; and a Support Battalion Physical Trainer space to conduct				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Recruit Reconditioning Center & Barracks	
5. Program Element 0202176M	6. Category Code 72115	7. Project Number P403	8. Project Cost (\$000) 29,882	
<p>recovery training for recruits in the STC of Support Battalion. (Current Mission)</p> <p>REQUIREMENT: This project is required to provide consolidated physical therapy, strengthening, injury rehabilitation, and immediate medical attention to expedite recovery of recruits requiring medical and special attention while with Support Battalion. This facility supports the mission to reduce musculoskeletal medical attrition and minimize lost training days for Marine Corps recruits.</p> <p>CURRENT SITUATION: Medical rehabilitation and physical conditioning platoon recruits stay an average of two to three weeks longer than the typical recruits, causing additional demands on recruit billeting requirements. These recruits stay in barracks that are not adequate for recovery as they are not equipped with elevators and there is no separate area for physical conditioning equipment and classroom space. The cost of musculoskeletal medical attrition and lost training days due to injury has been estimated to exceed \$16.5 million per year.</p> <p>This project is not sited in a 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED: Marine Corps Recruit Depot Parris Island will continue to have a deficiency in adequate facilities for Support Battalion mission. The goal of reducing musculoskeletal medical attrition and minimizing lost training days for Marine Corps recruits would not be realized.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2015
(B) Date 35% Design or Parametric Cost Estimate complete				09/2015
(C) Date design completed				06/2017
(D) Percent completed as of September 2015				20%
(E) Percent completed as of January 2016				45%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$625

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Recruit Reconditioning Center & Barracks	
5. Program Element 0202176M	6. Category Code 72115	7. Project Number P403	8. Project Cost (\$000) 29,882	
(B) All other design costs				\$550
(C) Total				\$1,175
(D) Contract				\$1,075
(E) In-house				\$100
4. Contract award:				12/2016
5. Construction start:				06/2017
6. Construction complete:				06/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Furniture, Fixtures & Equipment		O&MMC	2018	700
Indoor Fitness Center Equipment		O&MMC	2018	500
S.M.A.R.T. Clinic Equipment		PMC	2018	900
C. FY 2015 R&M Conducted (\$000):				
D. FY 2016 R&M Conducted (\$000):				
E. Future R&M Requirements (\$000):				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: 843-228-4831		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Recruit Reconditioning Center & Barracks	
5. Program Element 0202176M	6. Category Code 72115	7. Project Number P403	8. Project Cost (\$000) 29,882	
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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: N68436 NAVAL BASE KITSAP BANGOR, WASHINGTON					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.13			
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		589	5771	2416	0	94	0	33	34	0	8937
B. End FY 2020		590	5760	2416	0	94	0	33	34	0	8927
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(6609 Acres)											
B. INVENTORY AS OF 30 SEP 2015											4,014,307
C. AUTHORIZATION NOT YET IN INVENTORY											822,943
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											18,939
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											87,871
G. REMAINING DEFICIENCY											932,198
H. GRAND TOTAL											5,876,258
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
81232	Service Pier Electrical Upgrades	06/2015	05/2017			0 LS	18,939				
TOTAL											18,939
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
15120 TPS Pier and Maintenance Facility Bangor											87,871
TOTAL											87,871
C. R&M Unfunded Requirement (\$000):											2,713,431
10. Mission or Major Functions:											
Supports the Trident Submarine Launched Ballistic Missile System by maintaining and operating facilities for administration and personnel support for operations of the submarine force. Homeport for guided missile submarines (SSGN) and ballistic missile submarines (SSBN). Provides logistics support to other activities in the area and acts as host for the following: Trident Submarine Group, Puget Sound Navy Shipyard and Intermediate Maintenance Facility, Trident Training Facility, Strategic Weapons Facility, Pacific, Marine Corps Security Force.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH)(#):											0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N68436 NAVAL BASE KITSAP BANGOR, WASHINGTON	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.13
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N68436(BA) NAVAL BASE KITSAP (BANGOR WA) BANGOR, WASHINGTON			4. Project Title Service Pier Electrical Upgrades	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P876	8. Project Cost (\$000) 18,939	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SERVICE PIER ELECTRICAL UPGRADES	LS			9,360
ELECTRIC-15KV-UNDERGROUND CC81232 (11,699LF)	m	3,566	682.01	(2,430)
MULTI-PHASE EMERGENCY GENERATOR CC81160	EA	1	1,324,838.72	(1,320)
OPEN STORAGE - EQUIP LAYDOWN CC45110 (10,764SF)	m2	1,000	655.37	(660)
COMM LINES - UNDERGROUND CC13510 (6,001LF)	m	1,829	256.49	(470)
INFORMATION SYSTEMS	LS			(540)
BUILT-IN EQUIPMENT	LS			(1,950)
SPECIAL COSTS	LS			(1,900)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SUPPORTING FACILITIES				7,710
PAVEMENT FACILITIES	LS			(800)
SITE PREPARATIONS	LS			(1,600)
SPECIAL FOUNDATION FEATURES	LS			(230)
PAVING AND SITE IMPROVEMENTS	LS			(590)
ANTI-TERRORISM/FORCE PROTECTION	LS			(660)
ELECTRICAL UTILITIES	LS			(2,170)
MECHANICAL UTILITIES	LS			(220)
ENV MITIGATION & NECESSARY INTEREST IN LAND	LS			(1,440)
SUBTOTAL				17,070
CONTINGENCY (5%)				850
TOTAL CONTRACT COST				17,920
SIOH (5.7%)				1,020
SUBTOTAL				18,940
TOTAL REQUEST ROUNDED				18,940
TOTAL REQUEST				18,939
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(15)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(BA) NAVAL BASE KITSAP (BANGOR WA) BANGOR, WASHINGTON			4. Project Title Service Pier Electrical Upgrades	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P876	8. Project Cost (\$000) 18,939	
<p>Project installs underground concrete duct banks and upgrades existing power distribution from Substation #4 and Substation #5 to the Service Pier.</p> <p>Project provides an emergency power generator.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes multi-ended substations, transformers, pier power mounts and lightning protection systems.</p> <p>Special costs include post construction contract award services (PCAS) and Washington State gross sales receipts tax. Also included are costs for security coordination and logistics, traffic mitigation and road closures, utility outages, temporary fences and barriers, contractor productivity lost due to compliance with special work procedures, additional security screening, and contractor delays due to emergency response and operational drills and special scheduling requirements.</p> <p>Project includes operations and maintenance support information (OMSI).</p> <p>Department of Defense (DoD) and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes removal of overhead power lines, removal of overhead communication lines, site clearing and grubbing, installation of erosion controls, grading, excavation and preparation for construction.</p> <p>Electrical utilities include primary and secondary distribution systems, switchgears, voltage regulators, busbars, ductbanks, manholes, handholes, cables, wiring, grounds, connections, terminals, transformers and telecommunications infrastructure.</p> <p>Environmental mitigation in compliance with state and local law may include sound mitigation to protect mammal, fish and water fowl, permits and monitoring, biological and archaeological monitoring, diver support,</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(BA) NAVAL BASE KITSAP (BANGOR WA) BANGOR, WASHINGTON			4. Project Title Service Pier Electrical Upgrades	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P876	8. Project Cost (\$000) 18,939	
<p>protection of tribal trust resources and assets, environmental restoration, habitat conservation, in-lieu fee program, shoreline protection and restoration, necessary land acquisition or interest in land, deck features and lighting for fish habitat concerns, and premiums for environmentally caused delays.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC). Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>3,566 m</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>Corrects existing power and communications deficiencies. Expands power and communications distribution from Substations #4 and #5 to the Service Pier and installs a multi-phased emergency industrial power generator supporting Service Pier homeporting of Attack Submarine (Nuclear Propulsion) (SSN)-class. Project provides installation services to tenant commands and supports fleet maintenance operations for SSN-class nuclear-powered submarines.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Uninterrupted, correctly configured power and communication systems installed in underground duct banks are required to support homeported nuclear-powered submarines and tenant commands.</p> <p>CURRENT SITUATION:</p> <p>The existing power distribution system between Substation #4, Substation #5 and the Service Pier is undersized with overhead lines that are vulnerable to storm damage which frequently results in power outages to critical Fleet facilities and under-voltage events. On average, there are one or two large-scale power outages per year on this feed, however there were five outages in 2014. Due to operational conflicts, maintenance was deferred. Because the feeder in question is an overhead distribution line, weather contributes to some outages due to tree and branch damages. Insufficient and irregular power negatively impacts waterfront maintenance functions, operations and ship services required to maintain Fleet readiness.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(BA) NAVAL BASE KITSAP (BANGOR WA) BANGOR, WASHINGTON			4. Project Title Service Pier Electrical Upgrades	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P876	8. Project Cost (\$000) 18,939	
Base power distribution will continue to be deficient, vulnerable and unreliable. Continued power losses and incorrect power configurations will continue to negatively impact Fleet readiness. SSN-class nuclear-powered submarines will remain vulnerable to under-voltage events, which risk damage to the vessel, its associated high-value research, development, test and engineering equipment, supporting facilities and personnel.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2015
(B) Date 35% Design or Parametric Cost Estimate complete				09/2015
(C) Date design completed				05/2017
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$750
(B) All other design costs				\$1,100
(C) Total				\$1,850
(D) Contract				\$1,490
(E) In-house				\$360
4. Contract award:				06/2017
5. Construction start:				07/2017
6. Construction complete:				09/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Portable Draw-out Breaker Hoist	OPN	2017		15
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Project Development Lead		Phone No: 396-1464		

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM					2. Date 09 FEB 2016				
3. Installation and Location: N68436 NAVAL BASE KITSAP BREMERTON, WASHINGTON				4. Command Commander Navy Installations Command		5. Area Const Cost Index 1.18					
6. Personnel		PERMANENT			STUDENTS			SUPPORT		TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		445	4101	11119	0	0	0	375	2012	0	18052
B. End FY 2020		436	4280	11119	0	0	0	375	2012	0	18222
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(1554 Acres)											
B. INVENTORY AS OF 30 SEP 2015 5,754,335											
C. AUTHORIZATION NOT YET IN INVENTORY 822,943											
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 28,180											
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 73,172											
F. PLANNED IN NEXT THREE PROGRAM YEARS 17,250											
G. REMAINING DEFICIENCY 186,416											
H. GRAND TOTAL 6,882,296											
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>						
21370	Submarine Refit Maintenance Support Fac	06/2015	03/2017	3624 m2	21,476						
21365	Nuclear Repair Facility	06/2015	05/2017	1227 m2	6,704						
				TOTAL	28,180						
9. Future Projects:											
A. Included In The Following Program:											
21370 Ship Maintenance Support Facility							73,172				
				TOTAL	73,172						
B. Major Planned Next Three Years:											
21360 Abrasive Blast and Paint Work Center Consolidation							17,250				
				TOTAL	17,250						
C. R&M Unfunded Requirement (\$000): 2,713,431											
10. Mission or Major Functions:											
Serves as the host command for the Navy's fleet throughout West Puget Sound and provides base operating services, including support for both surface ships and submarines homeported at Bremerton and Bangor. Also provides world-class service, programs, and facilities that meet the needs of their hosted warfighting commands, tenant activities, crew, and employees. NB Kitsap is the largest naval organization in Navy Region Northwest and is composed of installations in Bremerton, Bangor and Keyport.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*): 0											
B. Occupational Safety and Health(OSH)(#): 0											

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N68436 NAVAL BASE KITSAP BREMERTON, WASHINGTON	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.18

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Submarine Refit Maint Support Facility	
5. Program Element 0712876N	6. Category Code 21370	7. Project Number P400	8. Project Cost (\$000) 21,476	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SUBMARINE REFIT MAINT SUPPORT FACILITY (39,008SF)	m2	3,624		16,700
WATERFRONT SUPPORT FACILITY CC21370 (24,004SF)	m2	2,230	4,246.43	(9,470)
GENERAL PURPOSE STORAGE CC44135 (15,005SF)	m2	1,394	657.14	(920)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1,050)
BUILT-IN EQUIPMENT	LS			(1,020)
SPECIAL COSTS	LS			(3,750)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(160)
SUSTAINABILITY AND ENERGY FEATURES	LS			(330)
SUPPORTING FACILITIES				2,650
SITE PREPARATIONS	LS			(80)
SPECIAL FOUNDATION FEATURES	LS			(1,420)
PAVING AND SITE IMPROVEMENTS	LS			(470)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
ELECTRICAL UTILITIES	LS			(140)
MECHANICAL UTILITIES	LS			(330)
DEMOLITION	LS			(200)
SUBTOTAL				19,350
CONTINGENCY (5%)				970
TOTAL CONTRACT COST				20,320
SIOH (5.7%)				1,160
SUBTOTAL				21,480
TOTAL REQUEST ROUNDED				21,480
TOTAL REQUEST				21,476
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,875)
10. Description of Proposed Construction:				
Constructs a low rise, steel-framed, blast-hardened reinforced concrete masonry waterfront support facility with pile foundation. The facility will				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Submarine Refit Maint Support Facility	
5. Program Element 0712876N	6. Category Code 21370	7. Project Number P400	8. Project Cost (\$000) 21,476	
<p>include kitting, storage, light industrial areas, personnel support, classroom and administrative areas. Additionally, project constructs an upland general purpose storage facility.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes a passenger/freight combination elevator, an approximately 3-ton bridge crane, high density storage racking, and hydrostatic test stand.</p> <p>Special costs include post construction contract award services (PCAS) and Washington State gross sales receipt tax. In addition, this item includes costs associated with additional security due to being inside the Waterfront Restricted Area (WRA) including additional personnel and vehicle security inspections, additional security restrictions and escorts, emergency and operational drills, and temporary relocation of a shop.</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special foundation features include foundation piling.</p> <p>Demolition includes: Buildings #7443, #T111, #T111A, #T112, #T112A, #T426, #T029 and #T030. Project also includes removal of the decontamination trailer and steam boiler as their functions will be consolidated into this project.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>3,624 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Submarine Refit Maint Support Facility	
5. Program Element 0712876N	6. Category Code 21370	7. Project Number P400	8. Project Cost (\$000) 21,476	
<p>PROJECT: Constructs a submarine refit maintenance facility within the WRA on Delta Pier and a general purpose storage facility. (Current Mission)</p> <p>REQUIREMENT: This project will consolidate operations on the pier, expand shops and expand upland capabilities closer to the point of use with no change to the allowed Explosive Safety Quantity Distance personnel count. The increased capability minimizes the time and resources required to coordinate production workers, tools, and equipment necessary. This strategy is intended to maximize platform availability and reduce emergent voyage repair frequency for the life of the current and replacement submarine fleet.</p> <p>Puget Sound Naval Shipyard (PSNS) and Intermediate Maintenance Facility (IMF) provides propulsion and non-propulsion plant work related to intermediate and depot level maintenance supporting fleet operations for all Pacific Fleet ballistic missile (SSBN), cruise missile (SSGN) and attack (SSN) submarines. The IMF provides intermediate level maintenance work supporting the Trident nuclear deterrent mission (SSBN/SSGN). This project addresses the growth in manning that has occurred due to increased maintenance responsibility for additional submarines since 2006 along with the added work required by an aging fleet. Increased workload is due to: (1) aging fleet requiring more maintenance, (2) increasing engineered refueling overhaul preventative maintenance requirements (PMR) packages, (3) increasing engineering refit periods beginning 2017 and include large modernization packages, (4) increasing Command efforts to improve IMF effectiveness and (5) changing schedules and loss of SSBN refits that increased PMR packages.</p> <p>Properly configured and consolidated maintenance facilities are required in close proximity to submarines in dry dock and pierside. This facility will serve up to 240 personnel located closer to the point of use. These facilities will improve production efficiency by about 5000 man-days per year as systems and components are removed from ships, transported to production shops for refurbishment, and returned to the ship and lost time travelling between widely dispersed facilities and transiting the new security control points.</p> <p>CURRENT SITUATION: Existing ship services support functions are geographically dispersed over two miles. Since 11 September 2001, there has been a security enclave with an entry control point (ECP) around the Delta Pier. Wait times to transit</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Submarine Refit Maint Support Facility	
5. Program Element 0712876N	6. Category Code 21370	7. Project Number P400	8. Project Cost (\$000) 21,476	
<p>the ECP have grown with increasing security, submarine loading of the Delta Pier and compressed maintenance work schedules. Most existing buildings are located inside the security enclave on the Delta Pier in 19 substandard and dispersed facilities. These temporary facilities take up valuable pier space for submarine equipment and minimize the repair capabilities on the pier. Other functions are housed upland outside the WRA two miles away. Existing facilities are congested and lack laydown, crane support, storage, office and efficient pierside light industrial capability necessary to perform maintenance.</p> <p>Currently, PSNS & IMF personnel continue to operate inside an explosive safety arc in permanent and make-shift facilities that include both blast and non-blast resistant trailers and conex boxes. The result is personnel and equipment explosive exposure.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Challenges to maintain schedules on planned refits and product line management will continue. Adequately configured permanent space will not exist as workload increases. Fleet personnel will continue non-productive travel/transit time for production inefficiencies as personnel and material needlessly navigate nuclear weapons security measures. Submarines will remain at greater risk of emergent voyage repairs as maintenance items are deferred in order to meet compressed availability schedules. Maintenance personnel operating in non-blast-hardened facilities will continue vulnerability to explosive safety arcs.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2015
(B) Date 35% Design or Parametric Cost Estimate complete				01/2016
(C) Date design completed				03/2017
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				35%
(F) Type of design contract	Design Bid Build			
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,240

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Submarine Refit Maint Support Facility	
5. Program Element 0712876N	6. Category Code 21370	7. Project Number P400	8. Project Cost (\$000) 21,476	
(B) All other design costs				\$600
(C) Total				\$1,840
(D) Contract				\$600
(E) In-house				\$1,240
4. Contract award:				07/2017
5. Construction start:				09/2017
6. Construction complete:				08/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Furniture, Fixtures & Equipment	OMN	2018	1,100	
Industrial Plant Equipment	OMN	2018	150	
NMCI/Telecommunications	OMN	2018	475	
Physical Security Equipment	OMN	2018	150	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Project Development Lead		Phone No: 360-627-4746		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Submarine Refit Maint Support Facility	
5. Program Element 0712876N	6. Category Code 21370	7. Project Number P400	8. Project Cost (\$000) 21,476	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Nuclear Repair Facility	
5. Program Element 0712876N	6. Category Code 21365	7. Project Number P438	8. Project Cost (\$000) 6,704	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
NUCLEAR REPAIR FACILITY (13,207SF)	m2	1,227		4,630
NUCLEAR REPAIR FACILITY CC21365 (13,207SF)	m2	1,227	2,529.18	(3,100)
SUSTAINABILITY AND ENERGY FEATURES	LS			(270)
INFORMATION SYSTEMS	LS			(60)
ANTI-TERRORISM/FORCE PROTECTION	LS			(280)
BUILT-IN EQUIPMENT	LS			(230)
SPECIAL COSTS	LS			(690)
SUPPORTING FACILITIES				1,200
PAVEMENT FACILITIES	LS			(70)
SITE PREPARATIONS	LS			(330)
SPECIAL FOUNDATION FEATURES	LS			(390)
PAVING AND SITE IMPROVEMENTS	LS			(140)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
ELECTRICAL UTILITIES	LS			(260)
SUBTOTAL				5,830
CONTINGENCY (5%)				290
TOTAL CONTRACT COST				6,120
SIOH (5.7%)				350
SUBTOTAL				6,470
DESIGN/BUILD - DESIGN COST				230
TOTAL REQUEST ROUNDED				6,700
TOTAL REQUEST				6,704
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,156)
10. Description of Proposed Construction:				
Constructs a multi-story steel framed, reinforced concrete masonry nuclear repair facility with a built-up roof and concrete foundation. The facility will include laboratory, light industrial, personnel support, storage and administrative areas.				
This project will provide Anti-Terrorism/Force Protection (AT/FP) features				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Nuclear Repair Facility	
5. Program Element 0712876N	6. Category Code 21365	7. Project Number P438	8. Project Cost (\$000) 6,704	
<p>and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Project includes operations and maintenance support information (OMSI).</p> <p>Built-in equipment includes a passenger/freight elevator.</p> <p>Special costs include post construction contract award services (PCAS). Special costs also include costs for traffic control and additional security, operational delays, escorts, restricted and remote laydown areas due to working in the controlled industrial area. Costs also include the Washington State gross sales receipt tax.</p> <p>DoD and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC). Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>1,227 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project constructs a permanent nuclear work facility in close proximity to the Controlled Industrial Facility (CIF), Building #983 and Dry Dock 5. (Current Mission)				
REQUIREMENT: Properly sized and configured facilities for nuclear monitoring and facility maintenance operations are required for 22 environmental lab technicians, 40 engineers, and 18 various shop mechanics to accommodate new and expanding current mission growth, improve operational availability performance and meet the nuclear deterrent mission. This project supports product line management, an increase in nuclear facility requirements, and the increase in monitoring personnel and environment for radiological impacts. The 30 percent shipyard workload growth is driven by the				

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5. Program Element 0712876N	6. Category Code 21365	7. Project Number P438	8. Project Cost (\$000) 6,704	
<p>increasing Inactivation, Reactor Compartment Disposal, Recycling (IRR) programs for 2017 and beyond. Along with increasing radiological monitoring, facility maintenance was expanded by Naval Sea Systems Command to include NSB Bangor, Naval Station Everett, Naval Air Station North Island, Naval Submarine Base Point Loma, Commander Fleet Activities Sasebo, Commander Fleet Activities Okinawa, Commander Fleet Activities Yokosuka and all other nuclear ships homeported on the west coast.</p> <p>Puget Sound Naval Shipyard (PSNS) and Intermediate Maintenance Facility (IMF) executes ship and submarine availabilities, inactivation availabilities, IRR and also performs fleet maintenance on submarines, aircraft carriers and surface ships at multiple locations in the Pacific Region. The IMF maintains and modernizes the Pacific Fleet ballistic missile submarine force and is responsible for the training and management of the PSNS and IMF military workforce.</p> <p>CURRENT SITUATION:</p> <p>Current radiological, environmental and personnel monitoring laboratory capacity is inadequate to support the surging nuclear intermediate depot maintenance, inactivation, reactor compartment disposal and IRR, which has degraded on-time delivery. In several cases reactor compartment disposal and recycling availabilities have been completely deferred.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Inadequate facilities will continue to challenge the Shipyard to meet fleet demands due to the workforce-to-workload imbalance and the inability to effectively implement product line management, workforce development, and availability performance improvements without adequate facilities.</p> <p>The environmental monitoring laboratory will continue to fall short of American National Standards Institute standards. Radiological material, resulting from project sampling, will continue to be processed and stored in a training facility rather than in close proximity to the CIF where radiological material is routinely handled.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				06/2015
(B) Date 35% Design or Parametric Cost Estimate complete				05/2016
(C) Date design completed				05/2017
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				5%

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Nuclear Repair Facility	
5. Program Element 0712876N	6. Category Code 21365	7. Project Number P438	8. Project Cost (\$000) 6,704	
(F) Type of design contract		Design Build		
(G) Parametric Estimate used to develop cost		Yes		
(H) Energy Study/Life Cycle Analysis performed		No		
2. Basis:				
(A) Standard or Definitive Design		No		
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications		\$216		
(B) All other design costs		\$50		
(C) Total		\$266		
(D) Contract		\$141		
(E) In-house		\$125		
4. Contract award:		12/2016		
5. Construction start:		06/2017		
6. Construction complete:		06/2018		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY</u>	<u>Approp</u>	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
Communications	OMN	2017	426	
Furniture, Fixtures & Equipment	OMN	2017	460	
Intrusion Detection System	OPN	2017	100	
Shop Equipment	OMN	2017	1,170	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Project Development Lead		Phone No: 360-627-4746		

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016				
3. Installation and Location: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.19				
6. Personnel		PERMANENT			STUDENTS			SUPPORT			TOTAL	
Strength:		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
A. As Of 09-30-15		957	5407	327	0	0	0	54	102	0	6847	
B. End FY 2020		1066	6074	327	0	0	0	108	204	0	7779	
7. INVENTORY DATA (\$000)												
A. TOTAL ACREAGE ..(4361 Acres)												
B. INVENTORY AS OF 30 SEP 2015											1,838,576	
C. AUTHORIZATION NOT YET IN INVENTORY											123,921	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											75,976	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0	
F. PLANNED IN NEXT THREE PROGRAM YEARS											7,806	
G. REMAINING DEFICIENCY											363,742	
H. GRAND TOTAL											2,410,021	
8. Projects Requested In This Program												
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>					
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>					
14142	Triton Mission Control Facility	09/2014	06/2017			3122 m2	30,475					
21105	EA-18G Maintenance Hangar	09/2013	05/2017			5166 m2	45,501					
						TOTAL	75,976					
9. Future Projects:												
A. Included In The Following Program:												
B. Major Planned Next Three Years:												
21145 Next Generation Jammer											7,806	
											TOTAL	7,806
C. R&M Unfunded Requirement (\$000):											433,190	
10. Mission or Major Functions:												
As the sole naval aviation support in the Pacific Northwest, provides the highest quality facilities, services and products to the naval aviation community and all organizations utilizing Naval Air Station Whidbey Island.												
11. Outstanding Pollution and Safety Deficiencies (\$000):												
A. Pollution Abatement(*):											0	
B. Occupational Safety and Health(OSH)(#):											0	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.19

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P240	8. Project Cost (\$000) 30,475	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TRITON MISSION CONTROL FACILITY (33,605SF)	m2	3,122		15,130
TRITON MISSION CONTROL FACILITY CC14142 (28,115SF)	m2	2,612	4,275.57	(11,170)
NOSC ADMIN/TRNG BLDG CC17115 (2,400SF) (RENOVATE)	m2	223	1,187.37	(260)
POST OFFICE/TRAINING/WEAPONS CC17110 (2,110SF) (RENOVATE)	m2	196	820.27	(160)
USAF/IRM&NMCI CC61077 (980SF) (RENOVATE)	m2	91	820.27	(70)
INFORMATION SYSTEMS	LS			(180)
BUILT-IN EQUIPMENT	LS			(1,330)
SPECIAL COSTS	LS			(1,220)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(160)
SUSTAINABILITY AND ENERGY FEATURES	LS			(580)
SUPPORTING FACILITIES				11,370
SPECIAL CONSTRUCTION FEATURES	LS			(2,450)
SITE PREPARATIONS	LS			(140)
SPECIAL FOUNDATION FEATURES	LS			(1,910)
PAVING AND SITE IMPROVEMENTS	LS			(2,080)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
ELECTRICAL UTILITIES	LS			(2,920)
MECHANICAL UTILITIES	LS			(1,150)
DEMOLITION	LS			(710)
SUBTOTAL				26,500
CONTINGENCY (5%)				1,330
TOTAL CONTRACT COST				27,830
SIOH (5.7%)				1,590
SUBTOTAL				29,420
DESIGN/BUILD - DESIGN COST				1,060
TOTAL REQUEST ROUNDED				30,480
TOTAL REQUEST				30,475

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P240	8. Project Cost (\$000) 30,475	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,412)
10. Description of Proposed Construction:				
<p>Constructs a two-story steel-framed, reinforced concrete masonry unit Triton facility with standing seam sloping roof and pile foundation.</p> <p>Renovates a portion of the first and basement floor of Building #2739 (NOSC Administrative Training Building) for legal offices.</p> <p>Renovates a portion of the second floor of Building #100 (Post Office/Training Building) for base safety and Naval Air Warfare Center offices.</p> <p>Renovates a portion of the second floor of Building #108 (United States Air Force Information Resources Management and NMCI Building) for supply.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes emergency generator and fuel tank, uninterruptable power supply, and raised flooring infrastructure. This project includes one passenger/freight combination elevator.</p> <p>Special costs include post construction contract award services (PCAS). In addition, this item includes the costs for station contract support/outage coordination, and traffic mitigation to move lanes. Costs include Washington State gross receipts sales tax.</p> <p>Project includes operations and maintenance support information (OMSI).</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include a Sensitive Compartmented Information Facility with Secret Internet Protocol Router Network, Unclassified but Sensitive Internet Protocol Router Network, and electromagnetic shielding.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P240	8. Project Cost (\$000) 30,475	
<p>Special foundation features include antenna foundations, pile foundations, and foundations for sloped conditions.</p> <p>Paving and site improvements include site preparations, parking facilities for approximately 120 vehicles, restriping of existing parking areas, sidewalks, retaining walls, landscaping, bioswales and water retention ponds, removal of an abandoned underground storage tank and fencing.</p> <p>Electrical utilities include transformers, removal and disposal of existing transformers, duct bank conduit and excavation, fiber and copper cables, antenna fiber cables, lighting, telecommunications infrastructure, and antenna tower.</p> <p>Mechanical utilities include water lines, sanitary sewer lines and pump station, fire protection systems, storm water lines and propane tank relocation.</p> <p>Demolition includes the removal of Building #243 (1,650 SM) to clear the site for this project.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>3,122 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>Constructs and renovates facilities and communication antennas for two Mission Control Systems (MCS) which control Triton aircraft that fly out of remote sites.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>Adequate and efficiently configured facilities are required to homebase two MCS to control Triton aircraft. A total of 166 new personnel will be assigned to the Triton mission at Naval Air Station (NAS) Whidbey Island. This unmanned platform will serve as a force multiplier, acting as an adjunct to the P-8A aircraft, enhancing situational awareness of the battlespace, and shortening the sensor-to-shooter kill chain. The facility will optimize operational missions, communications, aircraft tactical and safety of flight operations, and administrative support.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P240	8. Project Cost (\$000) 30,475	
<p>Due to limited space within the operational core of the base, demolition of Building #243, which is a 70 year old and underutilized building, is required to provide the necessary real estate to properly site the new facility adjacent to Building #975, which is the main communications facility on base. Legal, Safety and Supply divisions currently reside in existing Building #243. Due to the demolition, they are relocating to Building #2739, Building #100 and Building #108, respectively. The newly occupied spaces need renovation.</p> <p>Anticipated Initial Operational Capability for this facility is May 2019 in accordance with platform delivery.</p> <p>CURRENT SITUATION:</p> <p>There are no existing facilities at NAS Whidbey Island capable of providing timely operational support for the Triton mission. Legal, safety and supply divisions currently reside in existing Building #243, which is 70 years old and underutilized.</p> <p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Without this project, the operational readiness of the Triton mission will be severely degraded. This mission requires timely face-to-face tactical briefings and debriefings, mission and systems analysis, intelligence collection, safety of flight communications, and operations and training support.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2014
(B) Date 35% Design or Parametric Cost Estimate complete				04/2016
(C) Date design completed				06/2017
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				20%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$600
(B) All other design costs				\$200
(C) Total				\$800

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P240	8. Project Cost (\$000) 30,475	
(D) Contract			\$200	
(E) In-house			\$600	
4. Contract award:			04/2017	
5. Construction start:			06/2017	
6. Construction complete:			02/2019	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Computer Data-SIPR & NIPR		OPN	2019	250
Furniture, Fixtures & Equipment		OMN	2019	1,785
Legal VTC		OPN	2019	50
Physical Security Equipment		OPN	2019	327
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended.				
Activity POC: Project Development Lead		Phone No: 360-257-1006		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P240	8. Project Cost (\$000) 30,475	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title EA-18G Maintenance Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P256	8. Project Cost (\$000) 45,501	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
EA-18G MAINTENANCE HANGAR (55,606SF)	m2	5,166		26,330
EA-18G HANGAR CC21105 (55,606SF)	m2	5,166	3,176.81	(16,410)
BUILT-IN EQUIPMENT	LS			(1,810)
SPECIAL COSTS	LS			(6,980)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(260)
SUSTAINABILITY AND ENERGY FEATURES	LS			(870)
SUPPORTING FACILITIES				13,240
SPECIAL CONSTRUCTION FEATURES	LS			(160)
PAVEMENT FACILITIES	LS			(480)
SITE PREPARATIONS	LS			(960)
SPECIAL FOUNDATION FEATURES	LS			(3,300)
PAVING AND SITE IMPROVEMENTS	LS			(3,170)
ELECTRICAL UTILITIES	LS			(4,220)
MECHANICAL UTILITIES	LS			(750)
ENV MITIGATION & NECESSARY	LS			(200)
INTEREST IN LAND				
SUBTOTAL				39,570
CONTINGENCY (5%)				1,980
TOTAL CONTRACT COST				41,550
SIOH (5.7%)				2,370
SUBTOTAL				43,920
DESIGN/BUILD - DESIGN COST				1,580
TOTAL REQUEST ROUNDED				45,500
TOTAL REQUEST				45,501
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,402)
10. Description of Proposed Construction:				
Provides a steel framed aircraft maintenance hangar with reinforced concrete masonry unit walls, concrete exterior walls with metal cladding, concrete/steel composite deck, and metal roof. The facility will provide space for high bay aircraft maintenance, maintenance shops, administration,				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title EA-18G Maintenance Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P256	8. Project Cost (\$000) 45,501	
<p>and open-bay warehouse space for storage of non-explosive aircraft armament equipment.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes an aqueous film-forming foam (AFFF) fire suppression system with collection trenches, including storage tanks with leak detection for containment of the AFFF solution. This project includes an uninterruptable power supply unit, built-in generator for the hangar doors and one passenger/freight combination elevator.</p> <p>Special costs include post construction contract award services (PCAS), Washington State gross receipts tax, costs for flight line access and security, station contract support/outage coordination, traffic mitigation, temporary hangar facilities and squadron administration trailers during construction, and temporary flight line fencing and gates.</p> <p>Project includes operations and maintenance support information (OMSI).</p> <p>Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 and other laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include a Sensitive Compartmented Information Facility (SCIF).</p> <p>Special foundation features include a pile foundation.</p> <p>Paving and site improvements include site preparations, replacement of airfield pavement due to trenching, parking for approximately 215 vehicles, retaining walls, sidewalks, trash enclosures, landscaping and flight line fencing.</p> <p>Electrical utilities include primary and secondary distribution systems, lighting, transformers, telecommunications infrastructure, and the installation of Flight Line Electric Distribution System (FLEDS) units on existing aircraft parking apron.</p> <p>Environmental mitigation in compliance with state and local law, may</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title EA-18G Maintenance Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P256	8. Project Cost (\$000) 45,501	
<p>include permits and monitoring, biological and archeological monitoring, protection of tribal trust resources and assets, environmental restoration, habitat conservation, necessary land acquisition or interest in land and premiums for environmentally caused delays.</p> <p>Demolition includes the removal of Building #115 (915 SM).</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC). Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>5,166 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>Constructs a hangar facility to support two EA-18G Expeditionary Squadrons along with a mobile maintenance facility (MMF) and aircraft armament equipment storage.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>Operational hangar space is required to provide a weather-protected shelter for inspection, servicing, maintenance, and emergency shelter for two Expeditionary Squadrons with five aircraft each which will be arriving in 2016. Temporary hangar facilities are required until construction is complete.</p> <p>The EA-18G Growler is an all-weather, electronic attack aircraft with the primary role of suppressing enemy electronic capabilities through tactical jamming and the delivery of High-Speed Anti-Radiation Missiles. New infrastructure includes SCIF spaces for daily aircrew briefings, data transfer and mission support plus 400 hertz power distribution via FLEDS and low pressure compressed air supporting the hydraulic and weapon systems inside the hangar as well as on the aircraft parking apron.</p> <p>CURRENT SITUATION:</p> <p>Existing hangar capacity at the installation cannot provide sufficient operational hangar space for long-term operations of the two additional squadrons. The existing three hangar facilities, which have adequate power, SCIF administration space and FLEDS to accommodate the EA-18G platform, are currently supporting nine fleet carrier squadrons and three expeditionary squadrons and lack the space necessary to support any additional squadrons.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title EA-18G Maintenance Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P256	8. Project Cost (\$000) 45,501	
The project is not sited in the 100-year floodplain.				
IMPACT IF NOT PROVIDED:				
The additional expeditionary squadrons, will not be able to be supported long-term at the installation. Inadequate SCIF and hangar spaces would compromise aircrew mission data and maintenance operations, respectively, to support the additional squadrons and new aircraft. The expeditionary squadron mission would be extremely constrained without an additional hangar facility. Without apron power distribution systems, the new platform would be restricted to either inefficient use of limited ground support equipment or unnecessary wear and tear upon aircraft electronic components.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2013
(B) Date 35% Design or Parametric Cost Estimate complete				05/2015
(C) Date design completed				05/2017
(D) Percent completed as of September 2015				15%
(E) Percent completed as of January 2016				55%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$500
(B) All other design costs				\$80
(C) Total				\$580
(D) Contract				\$80
(E) In-house				\$500
4. Contract award:				02/2017
5. Construction start:				06/2017
6. Construction complete:				06/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Fall Protection Stands		OPN	2018	250
Furniture, Fixtures & Equipment		OMN	2018	1,252
NIPRNET		OPN	2018	350

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title EA-18G Maintenance Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P256	8. Project Cost (\$000) 45,501	
Physical Security Equipment		OPN	2018	200
SIPRNET		OPN	2018	350
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Project Development Lead		Phone No: 360-257-1005		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA WHIDBEY ISLAND, WASHINGTON			4. Project Title EA-18G Maintenance Hangar	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P256	8. Project Cost (\$000) 45,501	
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1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM								2. Date 09 FEB 2016	
3. Installation and Location: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM						4. Command Commander Navy Installations Command			5. Area Const Cost Index 2.31		
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		509	3344	1350	0	0	0	65	532	0	5800
B. End FY 2020		510	3042	1350	0	0	0	65	532	0	5499
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(20891 Acres)											
B. INVENTORY AS OF 30 SEP 2015											9,359,395
C. AUTHORIZATION NOT YET IN INVENTORY											171,002
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											89,185
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											256,934
F. PLANNED IN NEXT THREE PROGRAM YEARS											716,169
G. REMAINING DEFICIENCY											7,195,474
H. GRAND TOTAL											17,788,159
8. Projects Requested In This Program											
<u>Cat</u>							<u>Design Status</u>			<u>Cost</u>	
<u>Code</u>	<u>Project Title</u>			<u>Start</u>	<u>Complete</u>			<u>Scope</u>	<u>(\$000)</u>		
81232	POWER UPGRADE - HARMON			12/2014	08/2016			17990 m	62,210		
12520	Harden POL Infrastructure			08/2015	09/2016			3 EA	26,975		
								TOTAL	89,185		
9. Future Projects:											
A. Included In The Following Program:											
84110 Water Well Field											53,876
21810 CLB-4 FACILITIES											121,863
14345 CONSOLIDATED ARMORY											20,915
61073 LAW ENF BN CO											15,381
21410 GCE - INF BN 1											44,899
								TOTAL	256,934		
B. Major Planned Next Three Years:											
13115 IT/Comm Ph 1											81,461
85110 DAR III											11,868
21410 4TH MARINES REG FAC											32,345
12310 CENTRAL FUEL STATION											11,514
44110 DIST WAREHOUSE											59,033
61010 MEB ENABLERS											19,451
21677 ARTILLERY BATTERY											29,866
15260 X-ray Wharf Improvements, Berth 2											68,059
21154 AAV/LAR/CEB MAINT											28,332
14324 9TH ESB EOD											7,251
CENTRAL ISSUE FACILITY											26,045
17710 CBRNE TRAINING											6,498
92210 LEASE - PAGAN											56,988
21103 CORROSION CONTROL - GROUND PH 1											49,259
Child Development Center											38,174

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM		2. Date 09 FEB 2016
3. Installation and Location: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM	4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.31	
17150 Multipurpose Machine Gun Range		162,441	
17710 HIGH HAZARD IMPACT AREA		27,584	
		TOTAL 716,169	
C. R&M Unfunded Requirement (\$000):		2,415,953	
10. Mission or Major Functions: To support the forces of the US Pacific Fleet and the Marine Corps; the warfighters based on Naval Base Guam; the warfighters serviced and supplied by Naval Base Guam; the commands which provide support to the warfighters; and the families of those stationed at Naval Base Guam.			
11. Outstanding Pollution and Safety Deficiencies (\$000):			
A. Pollution Abatement(*):			0
B. Occupational Safety and Health(OSH)(#):			0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61755(HA) NAVBASE GUAM (HARMON) JOINT REGION MARIANAS, GUAM			4. Project Title Power Upgrade - Harmon	
5. Program Element 0216496M	6. Category Code 81232	7. Project Number P102	8. Project Cost (\$000) 62,210	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
POWER UPGRADE - HARMON (59,022LF)	m	17,990		39,640
UNDERGROUND ELEC LINES CC81232 (59,022LF)	m	17,990	1,978.11	(35,590)
SPECIAL COSTS	LS			(3,900)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(150)
SUPPORTING FACILITIES				16,150
SITE PREPARATIONS	LS			(630)
PAVING AND SITE IMPROVEMENTS	LS			(240)
ENVIRONMENTAL MITIGATION	LS			(15,280)
SUBTOTAL				55,790
CONTINGENCY (5%)				2,790
TOTAL CONTRACT COST				58,580
SIOH (6.2%)				3,630
SUBTOTAL				62,210
TOTAL REQUEST ROUNDED				62,210
TOTAL REQUEST				62,210
10. Description of Proposed Construction:				
<p>Construct 34.5 kilo-Volt (kV) underground electrical transmission lines in concrete encased duct banks from the Harmon Substation to the future NCTS Finegayan Substation. This project will include installation of electrical manholes, 34.5 kilovolt (kV) rated aluminum cables, fiber optic cable, circuit breakers, associated protective devices, reprogramming of 34.5 kV supervisory control and data acquisition (SCADA) systems, installation, terminations and splices of 34.5 kV cables. The trenching and installation of manholes pass through existing easements and through the utility corridor allocated/identified by the Route 3 widening project by Federal Highway Administration/Defense Access Roads program (FHWA/DAR).</p> <p>Special costs include Post Construction Contract Award Services (PCAS) including geospatial surveys and mapping, Guam gross receipts tax (GRT), temporary munitions and explosives of concern (MEC) related traffic controls during construction and Guam Power Authority (GPA) support and guidance to design, construction and operation of the power system.</p> <p>Operation and Maintenance Support Information (OMSI) is included in this project.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61755(HA) NAVBASE GUAM (HARMON) JOINT REGION MARIANAS, GUAM			4. Project Title Power Upgrade - Harmon	
5. Program Element 0216496M	6. Category Code 81232	7. Project Number P102	8. Project Cost (\$000) 62,210	
<p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes clearing and grubbing of utility easements and corridors.</p> <p>Paving and site improvements include landscaping (hydroseeding).</p> <p>Environmental mitigation costs includes natural resources mitigation, archeological monitoring, and unexploded ordnance / munitions and explosives of concern (UXO/MEC) survey, investigation and clearing along the entire 11 mile route - approximately 34 acres.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>17,990 m</u> Adequate: <u>0 m</u> Substandard: <u>0 m</u></p> <p>PROJECT: Project constructs a new 34.5 kV underground electrical transmission line from the Harmon substation to the future NCTS Finegayan substation.</p> <p>(New Mission)</p> <p>REQUIREMENT: The relocation of forces to Guam per the 2009 Guam International Agreement between the United States Government and the Government of Japan (amended in 2013), increases the power demand for the main cantonment area at NCTS Finegayan. Adequate transmission lines providing 13.8 kV electrical power are required to support this facility build-up for the relocation of Marine forces.</p> <p>CURRENT SITUATION: The existing Finegayan NCTS electrical system is near capacity and is operating at an incompatible secondary voltage (4.16kV). The new electrical system (13.8 kV) will be independent of the old system, making it necessary for P-102 to connect to the new Main Cantonment substation before any new loads can be serviced. P-102 is expected to have a construction duration timeframe of approximately 2.5 years with a projected</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61755(HA) NAVBASE GUAM (HARMON) JOINT REGION MARIANAS, GUAM			4. Project Title Power Upgrade - Harmon	
5. Program Element 0216496M	6. Category Code 81232	7. Project Number P102	8. Project Cost (\$000) 62,210	
<p>award date of 3rd quarter FY17. This is coordinated with the Japanese funded project J-001B that builds the Main Cantonment substation.</p> <p>This project is not sited in a 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The increased power demand due to the planned development at the main cantonment area at NCTS Finegayan will cause the existing transmission lines to be overloaded resulting in unacceptable voltage fluctuations to the Guam Power Authority grid. This will result in reduced reliability of electrical systems at NCTS Finegayan. Without this project, USMC operations will be severely restricted due to inadequate capacity of the electrical utility infrastructure.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				12/2014
(B) Date 35% Design or Parametric Cost Estimate complete				09/2015
(C) Date design completed				08/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				45%
(F) Type of design contract	Design Bid Build			
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$3,000
(B) All other design costs				\$2,000
(C) Total				\$5,000
(D) Contract				\$4,500
(E) In-house				\$500
4. Contract award:				06/2017
5. Construction start:				07/2017
6. Construction complete:				12/2019
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61755(HA) NAVBASE GUAM (HARMON) JOINT REGION MARIANAS, GUAM			4. Project Title Power Upgrade - Harmon	
5. Program Element 0216496M	6. Category Code 81232	7. Project Number P102	8. Project Cost (\$000) 62,210	
<p>recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p>				
<p>Activity POC: Project Development Lead Phone No: 808-477-8991</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Hardening of Guam POL Infrastructure	
5. Program Element 0212176N	6. Category Code 12520	7. Project Number P652	8. Project Cost (\$000) 26,975	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
HARDENING OF GUAM POL INFRASTRUCTURE	EA	3		20,870
SHELTER FOR TENJO VISTA PUMP HOUSE CC12520	EA	1	11,183,582	(11,180)
SHELTER FOR DELTA ECHO VALVE PIT CC12520	EA	1	5,128,432	(5,130)
SHELTER FOR TIYAN JUNCTION MANIFOLD CC12520	EA	1	2,273,640	(2,270)
BUILT-IN EQUIPMENT	LS			(410)
SPECIAL COSTS	LS			(1,680)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(200)
SUPPORTING FACILITIES				3,320
SPECIAL CONSTRUCTION FEATURES	LS			(320)
ELECTRICAL UTILITIES	LS			(1,520)
MECHANICAL UTILITIES	LS			(1,280)
ENVIRONMENTAL MITIGATION	LS			(200)
SUBTOTAL				24,190
CONTINGENCY (5%)				1,210
TOTAL CONTRACT COST				25,400
SIOH (6.2%)				1,570
SUBTOTAL				26,970
TOTAL REQUEST ROUNDED				26,970
TOTAL REQUEST				26,975
10. Description of Proposed Construction:				
<p>Constructs hardened shelters over and around three Navy Petroleum Oil Lubricant (POL) infrastructure elements - an existing pump house at Tenjo Vista, a new valve pit at Delta/Echo Piers, and an existing valve pit at the Tiyan Junction Manifold. The new valve pit replaces the two separate pits for Delta and Echo piers. The infrastructure elements are hardened with reinforced concrete roof slabs and walls supported on shallow foundations. Openings for the elements will consist of a system of hardened doors and louvers. The new valve pit at Delta/Echo Piers constructed in this project facilitates connection to the POL infrastructure.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Hardening of Guam POL Infrastructure	
5. Program Element 0212176N	6. Category Code 12520	7. Project Number P652	8. Project Cost (\$000) 26,975	
<p>and comply with AT/FP regulations, and physical security mitigation in accordance with the DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes an emergency generator for the existing Tenjo Vista fuel pump and pump for fire water distribution to the Tenjo Vista pump house shelter.</p> <p>Special costs include the Guam gross receipts tax, archaeological monitoring, and Post Construction Contract Award Services (PCAS), which includes geospatial data survey and mapping.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders, as applicable. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Electrical utilities include primary and secondary electrical distribution and in-ground cathodic protection for each sheltered facility.</p> <p>Environmental mitigation includes unexploded ordnance and munitions and explosives of concern mitigation, cultural resources mitigation, and natural resources mitigation.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u> 3 </u> EA Adequate: <u> 0 </u> EA Substandard: <u> 0 </u> EA				
PROJECT: Constructs a valve pit at Delta/Echo Piers and hardened overhead protection for Tiyan Junction Manifold, valve pit at Delta/Echo Piers, and Tenjo Vista Booster Pump House. (Current Mission)				
REQUIREMENT: The Navy requires that the risk of damage to its infrastructure be minimized to assure the capability of distributing and dispensing fuel during a contingency. Various POL sites were identified as candidates for hardening to meet this requirement. The Navy mission requires that the POL				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Hardening of Guam POL Infrastructure	
5. Program Element 0212176N	6. Category Code 12520	7. Project Number P652	8. Project Cost (\$000) 26,975	
<p>system continue to operate with minimal downtime to support refueling operations and to minimize risk due to damage. To minimize damage to the POL infrastructure, hardening of these sites by constructing overhead structures is required.</p> <p>CURRENT SITUATION: The existing POL fuel distribution system is susceptible to damage. This project will provide mitigative measures at three locations.</p> <p>This project is not sited in a 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED: The existing infrastructure is critical for POL distribution and refueling. There are no contingency plans that will support operations should one of the three facilities become damaged.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2015
(B) Date 35% Design or Parametric Cost Estimate complete				01/2016
(C) Date design completed				09/2016
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$913
(B) All other design costs				\$1,371
(C) Total				\$2,284
(D) Contract				\$2,056
(E) In-house				\$228
4. Contract award:				03/2017
5. Construction start:				04/2017
6. Construction complete:				12/2018
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Hardening of Guam POL Infrastructure	
5. Program Element 0212176N	6. Category Code 12520	7. Project Number P652	8. Project Cost (\$000) 26,975	
installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
<p>Activity POC: Project Development Lead Phone No: 671-349-4421</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: M67400 MARINE CORPS BASE, CAMP SMEDLEY BUTLER KADENA AB, JAPAN			4. Command Commandant of the Marine Corps			5. Area Const Cost Index 1.77				
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-15	1308	11325	4225	9	1982	1	0	0	15917
B. End FY 2020	1334	11009	4137	20	2051	0	0	0	15917	34468
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(Acres)										
B. INVENTORY AS OF 30 SEP 2015										53,196
C. AUTHORIZATION NOT YET IN INVENTORY										5,820
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										26,489
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										0
H. GRAND TOTAL										85,505
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>					
11340	Aircraft Maintenance Complex	02/2015	10/2016	3905 m2	26,489					
TOTAL										26,489
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										81,319
10. Mission or Major Functions:										
MCB Butler supports the combat readiness of 3rd Marine Expeditionary Force units by providing training, logistic, garrison, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: M67400 MARINE CORPS BASE, CAMP SMEDLEY BUTLER KADENA AB, JAPAN	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.77

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maintenance Complex	
5. Program Element 0216496M	6. Category Code 21106	7. Project Number P807	8. Project Cost (\$000) 26,489	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT MAINTENANCE COMPLEX (42,033SF)	m2	3,905		20,080
A/C MAINT BAYS/SHOPS & GSE SHOP COMPLEX CC21106 (42,033SF)	m2	3,905	4,140.39	(16,170)
INFORMATION SYSTEMS	LS			(200)
BUILT-IN EQUIPMENT	LS			(310)
SPECIAL COSTS	LS			(3,310)
SUSTAINABILITY AND ENERGY FEATURES	LS			(90)
SUPPORTING FACILITIES				3,610
SITE PREPARATIONS	LS			(400)
SPECIAL FOUNDATION FEATURES	LS			(550)
PAVING AND SITE IMPROVEMENTS	LS			(1,010)
ELECTRICAL UTILITIES	LS			(290)
MECHANICAL UTILITIES	LS			(1,010)
ENVIRONMENTAL MITIGATION	LS			(70)
DEMOLITION	LS			(280)
SUBTOTAL				23,690
CONTINGENCY (5%)				1,180
TOTAL CONTRACT COST				24,870
SIOH (6.5%)				1,620
SUBTOTAL				26,490
TOTAL REQUEST ROUNDED				26,490
TOTAL REQUEST				26,489
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(882)
10. Description of Proposed Construction:				
<p>Constructs an aircraft maintenance complex consisting of a high ceiling maintenance bays with supporting maintenance shops and a ground support equipment (GSE) shop. Complex construction shall consist of reinforced concrete roof slabs supported by reinforced concrete rigid frames on a pile foundation system and shear walls on spread footings. The aircraft maintenance complex will provide weather-protected maintenance bays for the servicing and repair of Marine Corps and Navy aircraft, as well as shelter for operable aircraft, service and maintenance of ground support equipment,</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maintenance Complex	
5. Program Element 0216496M	6. Category Code 21106	7. Project Number P807	8. Project Cost (\$000) 26,489	
<p>storage of ground support equipment for all type model series aircraft, as well as secure storage of aircraft parts.</p> <p>Information systems include basic telephone, computer network, cable television, security and fire alarm systems and infrastructure.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes AFFF fire suppression system and a containment system.</p> <p>Special costs include Post-Construction Contract Award Services (PCAS), and geospatial surveys and mapping. Much of the project is located within the security zone of an active airfield. An allowance is provided for decreased labor productivity due to concurrent construction congestion, limited lay-down area, restricted haul routes, required foreign object damage (FOD) checks, security and escort delays, and delays to be expected when crossing the flight line or accommodating taxiing aircraft. Special costs also include temporary facilities and temporary utilities and site work for the displaced operations. Also included is cultural/archaeological monitoring and recording services.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project.</p> <p>Site preparation includes site clearing and excavation.</p> <p>Special foundation features include pile foundations for the hangar portion of the aircraft maintenance complex.</p> <p>Paving and site improvements include demolition of pavement and utility lines, grading and drainage, storm water management, hangar access apron, concrete pads for transformers and switchgear, a paved area for hazardous materials, paved fire access road, curbs, sidewalks, landscaping, striping</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maintenance Complex	
5. Program Element 0216496M	6. Category Code 21106	7. Project Number P807	8. Project Cost (\$000) 26,489	
<p>and signage.</p> <p>Electrical utilities include primary and secondary distribution systems, lighting, transformer, and telecommunications infrastructure.</p> <p>Mechanical utilities include water lines, sanitary sewer lines, storm sewer lines, and fire protection systems supply lines.</p> <p>Environmental mitigation includes addressing any cultural/archaeological findings through the monitoring and recording activities. The Japan Environmental Governing Standards (JECS) will be followed during the site removal and restoration.</p> <p>Demolition includes two facilities, an aircraft maintenance building (Building #3440, 608 m2) and a GSE storage facility (Building #768, 461 m2) including underground electrical and mechanical utilities and conduits. Buildings will be demolished to clear the site for the new aircraft maintenance complex.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
11. Requirement: <u>3,905 m2</u> Adequate: Substandard:				
PROJECT: Constructs a new aircraft maintenance complex to include maintenance bays, maintenance shops and ground support equipment (GSE) areas to support maintenance of deployed aircraft, including F-35 aircraft, and flight operations associated with the Unit Deployment Program (UDP) of Marine Wing Liaison Kadena.				
(New Mission)				
REQUIREMENT: This complex will support the mission of Marine Wing Liaison Kadena (MWLK), a subordinate element of the 1st Marine Aircraft Wing (1st MAW), by providing comprehensive operational and logistical support to local and deployed Marine Corps and Navy tactical jet aircraft squadrons in support of the Marine Corps Unit Deployment Program (UDP) and the MWLK operational model. The MWLK operational model supports two concurrent fixed wing UDP squadrons on a continuous basis with hangar space, hardstand parking,				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maintenance Complex	
5. Program Element 0216496M	6. Category Code 21106	7. Project Number P807	8. Project Cost (\$000) 26,489	
<p>flight line maintenance facilities, and all operational planning space requirements to support 1st MAW mission requirements.</p> <p>An aircraft maintenance facility is required to provide weather-protected maintenance bays for the work force that maintain Marine Corps aircraft while they are at Kadena Air Base, Okinawa, Japan. A new facility is necessary to support aircraft mission-specific requirements and flight operations associated with the UDP aircraft which include F-35 aircraft. The facility will be used to maintain UDP aircraft aeronautical equipment in a full mission capable status and in the required secure environment.</p> <p>A GSE shop is required to maintain aircraft ground support equipment, as well as to protect the equipment from the harsh and corrosive environment of Okinawa. A portion of the GSE building will be dedicated to secure storage for F-35 aircraft spare parts.</p> <p>CURRENT SITUATION:</p> <p>The existing aircraft maintenance building (Bldg 3440) was constructed in 1965 and is substandard in meeting the evolving maintenance requirements of deployed aircraft and functionally inadequate to support F-35 airframes. The building is located next to the aircraft parking apron (within the airfield restricted area) and is over 1,300 feet away from the existing Aircraft Maintenance Hangar No. 3 (Bldg 762) which lacks crew and equipment space.</p> <p>The existing GSE storage facility (Bldg 768) is a one-story pre-engineered metal warehouse. The facility's metal roof, siding, and doors are all badly deteriorated, and the oversized sliding service doors are damaged. The structure is deemed unsafe. There is no HVAC in the restrooms, the electrical system is inadequate with only one 50-amp main switch box with supporting breaker boxes, the fire alarm system is nonfunctional and the facility does not have a fire sprinkler system.</p> <p>This project is not sited in the 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Without these facilities sited in a central location, MLWK will be unable to provide quick aircraft maintenance turn-around times, impacting 1st Marine Air Wing and Carrier Air Wing Five aircraft availability. Failure to implement these improvements will increase maintenance overhead, directly and significantly reducing combat readiness by depriving aircrew of flight hours. This would result in degradation in operational capability and readiness.</p>				
12. Supplemental Data:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maintenance Complex	
5. Program Element 0216496M	6. Category Code 21106	7. Project Number P807	8. Project Cost (\$000) 26,489	
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2015
(B) Date 35% Design or Parametric Cost Estimate complete				07/2015
(C) Date design completed				10/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				35%
(F) Type of design contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				No
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,492
(B) All other design costs				\$945
(C) Total				\$2,437
(D) Contract				\$1,990
(E) In-house				\$447
4. Contract award:				02/2017
5. Construction start:				03/2017
6. Construction complete:				09/2018
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Air Compressor System		O&MMC	2018	167
Furniture, Fixtures & Equipment		O&MMC	2018	667
Hoses & Reels		O&MMC	2018	48
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead		Phone No: DSN(315)645-5467		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maintenance Complex	
5. Program Element 0216496M	6. Category Code 21106	7. Project Number P807	8. Project Cost (\$000) 26,489	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM							2. Date 09 FEB 2016		
3. Installation and Location: N61058 COMFLEACT SASEBO JA SASEBO, JAPAN					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.73		
6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	A. As Of 09-30-15	319	3134	463	0	0	0	16	122	0
B. End FY 2020	281	3085	463	0	0	0	16	122	0	3967
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(8889 Acres)										
B. INVENTORY AS OF 30 SEP 2015										9,576,265
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										16,420
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										96,923
H. GRAND TOTAL										9,689,608
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>	<u>Complete</u>	<u>Scope</u>	<u>(\$000)</u>					
81310	Shore Power (Juliet Pier)	07/2014	11/2016	300 m2	16,420					
TOTAL										16,420
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										591,213
10. Mission or Major Functions:										
To deliver effective and efficient readiness from the shore. Provides shore capability to sustain the Fleet, enable the Fighter, and support the Family.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N61058 COMFLEACT SASEBO JA SASEBO, JAPAN	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.73

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61058 COMFLEACT SASEBO JA SASEBO, JAPAN			4. Project Title Shore Power (Juliet Pier)	
5. Program Element 0712776N	6. Category Code 81310	7. Project Number P325	8. Project Cost (\$000) 16,420	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SHORE POWER (JULIET PIER) (3,229SF)	m2	300		10,520
4.16KV TRANSFORMER BLDG. CC81310 (3,229SF)	m2	300	23,676.32	(7,100)
MODIFY B405(ADD SWITCH GEAR/3 FEEDERS) CC81310	LS			(1,930)
MODIFY B445(REPLACE WITH NEW 4.16KV DISTRIBUTION) CC81310	LS			(1,050)
SPECIAL COSTS	LS			(290)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(150)
SUPPORTING FACILITIES				4,170
ELECTRICAL UTILITIES	LS			(4,170)
SUBTOTAL				14,690
CONTINGENCY (5%)				730
TOTAL CONTRACT COST				15,420
SIOH (6.5%)				1,000
SUBTOTAL				16,420
TOTAL REQUEST ROUNDED				16,420
TOTAL REQUEST				16,420
10. Description of Proposed Construction:				
<p>Modifies power supply system to Juliet Pier in order to service new Amphibious Assault Ship (LHA) and DDG1000 class ships which require 4.16 kilovolt (kV) power.</p> <p>Provides a reinforced concrete waterfront transformer building. The building will contain a new transformer bank consisting of three transformers to convert incoming 6.6 kV power to 4.16 kV output. The transformer bank will include associated switchgear, buses, breakers, relays, control and metering systems. The transformer building includes related infrastructure including utilities and AT/FP features.</p> <p>Provides additional equipment within existing substation Building #405, consisting of three circuit breakers with associated protective relays to supply 6.6kV power between Building #405 and new waterfront transformer building. Installs one circuit breaker as a tie-breaker and a 6.6kV main bus and Supervisory Control and Data Acquisition (SCADA) system installed</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61058 COMFLEACT SASEBO JA SASEBO, JAPAN			4. Project Title Shore Power (Juliet Pier)	
5. Program Element 0712776N	6. Category Code 81310	7. Project Number P325	8. Project Cost (\$000) 16,420	
<p>Waterfront support is a mission-critical function at Commander Fleet Activities Sasebo (CFAS). The CFAS waterfront is tasked with ship berthing, strategic refueling, and ordnance handling for homeported and transient ships of the Pacific Fleet. In addition, as a strategic hub in the Western Pacific, Sasebo supports frequent visits by transient ships including submarines, tankers, and ordnance, supply, and other support ships.</p> <p>The CFAS electrical grid must be updated in order to homeport and service new and upgraded weapon platforms. These platforms require significantly more power and operate at different voltages than legacy systems. CFAS requires 4.16kV power at Juliet Basin berths in order to support LHA-6 and DDG1000 class ships. The LHA-6 arrives in 2019; no arrival date for the DDG1000 has been announced. Currently, no other existing berth has 4.16kV power or sufficient space to accommodate the installation of 4.16kV substation and power mounds.</p> <p>CURRENT SITUATION:</p> <p>CFAS does not currently have the ability to provide 4.16kV ship support at any of its berths.</p> <p>This project is not sited in the 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>The readiness of ships forward deployed to Sasebo will be severely impacted without a power system upgrade at the CFAS waterfront. As the new ships are not compatible with the existing 480V power distribution, CFAS will not be able to homeport these ships. This directly hinders CFAS from carrying out the Navy's mission to maintain combat-ready Naval forces.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				07/2014
(B) Date 35% Design or Parametric Cost Estimate complete				07/2015
(C) Date design completed				11/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				35%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N61058 COMFLEACT SASEBO JA SASEBO, JAPAN			4. Project Title Shore Power (Juliet Pier)	
5. Program Element 0712776N	6. Category Code 81310	7. Project Number P325	8. Project Cost (\$000) 16,420	
(A) Production of plans and specifications			\$1,189	
(B) All other design costs			\$753	
(C) Total			\$1,942	
(D) Contract			\$1,585	
(E) In-house			\$357	
4. Contract award:			04/2017	
5. Construction start:			05/2017	
6. Construction complete:			10/2018	
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Project Development Lead Phone No: 315-252-2603				

1. Component NAVY		FY 2017 MILITARY CONSTRUCTION PROGRAM						2. Date 09 FEB 2016			
3. Installation and Location: N62863 NAVSTA ROTA SP ROTA, SPAIN					4. Command Commander, Navy Region Europe			5. Area Const Cost Index 1.16			
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-15		293	1764	398	0	0	0	155	245	0	2855
B. End FY 2020		337	2529	398	0	0	0	155	245	0	3664
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(5962 Acres)											
B. INVENTORY AS OF 30 SEP 2015											2,184,290
C. AUTHORIZATION NOT YET IN INVENTORY											40,405
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											23,607
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											9,531
G. REMAINING DEFICIENCY											397,082
H. GRAND TOTAL											2,654,915
8. Projects Requested In This Program											
<u>Cat</u>		<u>Design Status</u>					<u>Cost</u>				
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>		<u>Scope</u>	<u>(\$000)</u>				
13117	Communication Station	09/2013	08/2016			3263 m2	23,607				
							TOTAL	23,607			
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
21860 Construct AGE Shop adn Storage Facility											9,531
							TOTAL	9,531			
C. R&M Unfunded Requirement (\$000):											450,054
10. Mission or Major Functions:											
Major air base for Navy anti-submarine warfare and ocean surveillance aircraft covering western approaches to Gibraltar, Defense Communications Service in western Mediterranean and eastern Atlantic. Communication facility supports Defense Communications Service in western Mediterranean and maintains continuous contact with US 6th Fleet units afloat. Provides petroleum, oils and lubricants and ammunition storage. Major harbor facility (outside Mediterranean) supports transient 6th Fleet ship's logistics requirements. Military Aircraft Command passenger and cargo terminal.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH)(#):											0

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM	2. Date 09 FEB 2016
3. Installation and Location: N62863 NAVSTA ROTA SP ROTA, SPAIN	4. Command Commander, Navy Region Europe	5. Area Const Cost Index 1.16

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Communication Station	
5. Program Element 0301376N	6. Category Code 13117	7. Project Number P621	8. Project Cost (\$000) 23,607	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
COMMUNICATION STATION (35,123SF)	m2	3,263		13,680
TELECOMMUNICATIONS CENTER CC13117 (35,123SF)	m2	3,263	3,000	(9,790)
INFORMATION SYSTEMS	LS			(780)
ANTI-TERRORISM/FORCE PROTECTION	LS			(130)
BUILT-IN EQUIPMENT	LS			(900)
SPECIAL COSTS	LS			(1,590)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(130)
SUSTAINABILITY AND ENERGY FEATURES	LS			(360)
SUPPORTING FACILITIES				7,490
SPECIAL CONSTRUCTION FEATURES	LS			(640)
SITE PREPARATIONS	LS			(80)
SPECIAL FOUNDATION FEATURES	LS			(1,240)
PAVING AND SITE IMPROVEMENTS	LS			(800)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
ELECTRICAL UTILITIES	LS			(2,200)
MECHANICAL UTILITIES	LS			(310)
DEMOLITION	LS			(2,130)
SUBTOTAL				21,170
CONTINGENCY (5%)				1,060
TOTAL CONTRACT COST				22,230
SIOH (6.2%)				1,380
SUBTOTAL				23,610
TOTAL REQUEST ROUNDED				23,610
TOTAL REQUEST				23,607
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(34,753)
10. Description of Proposed Construction:				
Constructs a communication center to include administrative spaces, support spaces, equipment/operational spaces with open architecture, building entries for telecommunications cables (underground vaults), communication				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Communication Station	
5. Program Element 0301376N	6. Category Code 13117	7. Project Number P621	8. Project Cost (\$000) 23,607	
<p>maintenance/training spaces, showers, toilets, and storage spaces.</p> <p>Facility to include below-grade cable vaults, raised flooring, moveable interior walls, under-floor fire suppression system, and spaces for classified material destruction, access control system, climate direct digital control system, blend of rack mounted communications equipment, computer based communications systems, watch standing monitors and workstations, servers, telephone switches, secure conference room, vault to safeguard and maintain equipment used for secure communications, uninterruptable power supply, and emergency generator space. Roof shall be structurally capable of holding antennas and have a lightning protection system in-place.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes diesel emergency generators, uninterruptable power supply, sound attenuation, and fire suppression system.</p> <p>Special costs include Post Construction Contract Award Services (PCAS). Special costs also include monitoring during SCIF construction; including surveillance by Construction Security Technicians and Cleared American Guards during secure space finish work in accordance with Intelligence Community Guidance. Construction monitoring is required to observe the construction to ensure that there are no abnormalities that could affect and compromise the security of the SCIF.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Special construction features includes premium construction costs for building Sensitive Compartmented Information Facilities (SCIF)/open secret spaces.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and executive orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Communication Station	
5. Program Element 0301376N	6. Category Code 13117	7. Project Number P621	8. Project Cost (\$000) 23,607	
<p>Special foundation features include a foundation drainage system, structural fill, grade beams and structural slabs to counteract the expansive soils.</p> <p>Electrical utilities include primary and secondary distribution systems, site lighting, transformers, and telecommunications infrastructure (i.e. concrete encased duct banks) and communication manholes and vaults. Communication ductbanks will be provided to serve buildings served by the existing communications facility. Includes constructs generator building to house three emergency generators, switchgear and panels.</p> <p>This project demolishes the following Buildings #1867; #222; #1851, #3050, #1745B, #745A, #8, #221, #537, #1701, and #1915.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>3,263 m2</u> Adequate: <u>0 m2</u> Substandard:</p> <p>PROJECT:</p> <p>Constructs a new consolidated, secure, state-of-the-art, communications station and support facility. Project will allow consolidation of administrative, personnel and operational support functions into a new facility and subsequent demolition of eleven old and deteriorated buildings.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>Naval Station Rota is responsible for providing secure and reliable classified and unclassified voice, messaging, video and data telecommunication to more than 10,000 users including Forward Deployed Naval Forces.</p> <p>Specific to the European Theater, the Navy has deployed additional afloat assets (Forward Deployed Naval Forces) to Rota, is constructing new Aegis Ashore Ballistic Missile Defense installations in Romania and Poland, is hosting special forces, and is deploying Triton and P-8A aircraft systems. There is increased growth in this area of responsibility for this communications station.</p> <p>CURRENT SITUATION:</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Communication Station	
5. Program Element 0301376N	6. Category Code 13117	7. Project Number P621	8. Project Cost (\$000) 23,607	
<p>All ten of the primary Rota communications facilities are over 40 years old. Facility deficiencies include the following: fire detection and suppression systems are inadequate and do not comply with National Fire Safety codes; built in 1982 the heating ventilation and air conditioning system is not zoned correctly and is inefficient; there is no dehumidification capability increasing potential for damage sensitive electronic equipment; buildings do not meet current seismic standards and are vulnerable to a seismic events; current facilities contain asbestos; and flooding is a recurring problem in the Building #8 basement threatening equipment. Inadequate force protection at the main telephone switch building could result in loss of services. Currently there are no intrusion detection systems, closed circuit TV systems, nor adequate controls over physical access in place (e.g., secure doors, perimeter fencing).</p> <p>This project is not sited in the 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Communication outage risks are attributed to degraded facility conditions and flooding. Without investment, the Navy risks communication outages.</p> <p>Mission growth will not be effectively supported. Personnel and equipment providing critical services and support to 17 U.S. and NATO bases throughout USEUCOM, USAFRICOM, USCENTCOM, and USTRANSCOM will continue to depend on a suboptimal facility. A new facility will significantly enhance mission capability; maximize operational efficiencies by moving from two 24/7 watch-floors to one; ease equipment/infrastructure modernization and reconfiguration by having a common equipment space.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				09/2013
(B) Date 35% Design or Parametric Cost Estimate complete				07/2015
(C) Date design completed				08/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				50%
(F) Type of design contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,334

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Communication Station	
5. Program Element 0301376N	6. Category Code 13117	7. Project Number P621	8. Project Cost (\$000) 23,607	
(B) All other design costs				\$845
(C) Total				\$2,179
(D) Contract				\$1,779
(E) In-house				\$400
4. Contract award:				03/2017
5. Construction start:				04/2017
6. Construction complete:				05/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>		<u>FY Approp</u>
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
BACK BONE ADJUSTMENT		OPN	2018	700
C4I Equipment (Design/Procurement)		OPN	2018	8,128
C4I Equipment (Install/Procurement) EX		OPN	2018	10,278
C4I Equipment (Install/Procurement) New		OPN	2018	11,567
DISA LONG-HAUL TO TELE EXCH		OPN	2018	2,000
Furninshings, Fixtures, & Equipment		OMN	2018	1,580
Spanish Utility Company		OPN	2018	500
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Project Development Lead		Phone No: DSN 314-727-1080		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62863 NAVSTA ROTA SP ROTA, SPAIN			4. Project Title Communication Station	
5. Program Element 0301376N	6. Category Code 13117	7. Project Number P621	8. Project Cost (\$000) 23,607	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE			4. Project Title Triton Forward Operating Base Hangar	
5. Program Element 0815976N	6. Category Code 21105	7. Project Number P154	8. Project Cost (\$000) 41,380	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TRITON FORWARD OPERATING BASE HANGAR (231,812SF)	m2	21,536		27,070
AIRCRAFT HANGAR CC21105 (75,186SF)	m2	6,985	2,354.89	(16,450)
AIRCRAFT PARKING APRON CC11320 (150,318SF)	m2	13,965	225.34	(3,150)
WAREHOUSE CC44110 (6,308SF)	m2	586	1,278.95	(750)
SCIF (PREMIUM)	LS			(250)
INFORMATION SYSTEMS	LS			(90)
ANTI-TERRORISM/FORCE PROTECTION	LS			(80)
BUILT-IN EQUIPMENT	LS			(4,480)
SPECIAL COSTS	LS			(1,430)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(390)
SUPPORTING FACILITIES				8,920
SPECIAL CONSTRUCTION FEATURES	LS			(50)
SITE PREPARATIONS	LS			(1,490)
SPECIAL FOUNDATION FEATURES	LS			(1,890)
PAVING AND SITE IMPROVEMENTS	LS			(3,630)
ELECTRICAL UTILITIES	LS			(1,020)
MECHANICAL UTILITIES	LS			(690)
ENVIRONMENTAL MITIGATION	LS			(150)
SUBTOTAL				35,990
CONTINGENCY (5%)				1,800
TOTAL CONTRACT COST				37,790
SIOH (5.7%)				2,150
SUBTOTAL				39,940
DESIGN/BUILD - DESIGN COST				1,440
TOTAL REQUEST ROUNDED				41,380
TOTAL REQUEST				41,380
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,808)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE			4. Project Title Triton Forward Operating Base Hangar	
5. Program Element 0815976N	6. Category Code 21105	7. Project Number P154	8. Project Cost (\$000) 41,380	
<p>Constructs a multi-story, steel frame with metal roof, concrete masonry unit Forward Operating Base (FOB) facility on a pile foundation. Facility includes Secure Compartmented Intelligence Facility (SCIF) with Secret Internet Protocol Router Network (SIPRNET) and unclassified but Sensitive Internet Protocol Router Network (NIPRNET).</p> <p>Provides associated taxiway and apron in support of operational requirements for the four aircraft including: taxiway addition, aircraft launch and recovery point, aircraft access ramps, apron and aircraft parking.</p> <p>Constructs a steel framed, concrete masonry unit storage warehouse with steel deck roof and pile foundation.</p> <p>The facility will include Sensitive Compartmented Information Facilities (SCIF)/open secret spaces.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes power service points, aqueous film-forming foam (AFFF) fire-suppression system, a five-ton overhead bridge crane, passenger elevator (2 stop), emergency generator, four point-of-use aircraft cooling units, five 400 Hz 50 KVA point-of-service power units, compressed air system and wash racks.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include heating, ventilation and cooling commissioning.</p> <p>Site preparation includes site clearing, excavation and preparation for</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE			4. Project Title Triton Forward Operating Base Hangar	
5. Program Element 0815976N	6. Category Code 21105	7. Project Number P154	8. Project Cost (\$000) 41,380	
<p>construction, grading and fill.</p> <p>Special foundation features includes pilings.</p> <p>Paving and site improvements include grading, parking facilities for approximately 160 vehicles, access roads, curbs, sidewalks, landscaping, fencing and signs, jet blast field fencing, box culverts, concrete access apron, concrete taxiway, wash rack paving, and launch and recovery paving.</p> <p>Electrical utilities include primary and secondary distribution systems, lighting, transformers, substation, communications infrastructure, taxiway lighting, power to launch recovery pad and telecommunications infrastructure.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>21,536 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>Constructs a new hangar, storage facility, and apron to accommodate the Triton program FOB requirements.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>The Navy has a requirement to perform launch and recovery functions and provide program management for new unmanned aircraft platforms. The Triton Unmanned Aircraft System (UAS) will provide persistent maritime intelligence, surveillance, and reconnaissance data collection and dissemination capability to the Fleet.</p> <p>In order to perform these functions and manage UAS, properly sized and configured workspaces are required for operations, maintenance, and launch and recovery of the associated aircraft.</p> <p>CURRENT SITUATION:</p> <p>The Triton program will base platforms at five strategically selected sites around the world. The first basing site will be established to meet the threshold requirement for Initial Operational Capability (IOC) for the Triton UAS in 2019. IOC is defined as one base unit with sufficient assets, technical data, training systems, and enough spares and support equipment to operationally support one persistent orbit.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE			4. Project Title Triton Forward Operating Base Hangar	
5. Program Element 0815976N	6. Category Code 21105	7. Project Number P154	8. Project Cost (\$000) 41,380	
<p>The project is not sited in the 100-year floodplain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Not meeting the requirements will cause severe impact to Navy and other U.S. and Allied forces operations. Missions impacted include, maritime surveillance, collection of enemy order of battle information, battle damage assessment, port surveillance, communication relay, maritime interdiction, surface warfare, battlespace management, and targeting for maritime and littoral strike missions.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				05/2015
(B) Date 35% Design or Parametric Cost Estimate complete				07/2016
(C) Date design completed				05/2017
(D) Percent completed as of September 2015				5%
(E) Percent completed as of January 2016				5%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,350
(B) All other design costs				\$450
(C) Total				\$1,800
(D) Contract				\$1,650
(E) In-house				\$150
4. Contract award:				02/2017
5. Construction start:				06/2017
6. Construction complete:				06/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Fixed Furnishings and Equipment		OMN	2019	3,808
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE			4. Project Title Triton Forward Operating Base Hangar	
5. Program Element 0815976N	6. Category Code 21105	7. Project Number P154	8. Project Cost (\$000) 41,380	
<p>Activity POC: Project Development Lead Phone No: 904-270-5207</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE			4. Project Title Triton Forward Operating Base Hangar	
5. Program Element 0815976N	6. Category Code 21105	7. Project Number P154	8. Project Cost (\$000) 41,380	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title Planning & Design	
5. Program Element	6. Category Code	7. Project Number P227	8. Project Cost (\$000) 88,230	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PLANNING & DESIGN	LS			88,230
DESIGN COSTS	LS			(88,230)
SUBTOTAL				88,230
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				88,230
SIOH (0%)				0
SUBTOTAL				88,230
TOTAL REQUEST ROUNDED				88,230
TOTAL REQUEST				88,230
10. Description of Proposed Construction:				
<p>Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, exceptional authority construction (including unspecified minor construction) projects, land appraisals, and other projects as directed. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.</p>				
11. Requirement:				
PROJECT:				
Planning and design funds.				
(Current Mission)				
REQUIREMENT:				
<p>All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.</p>				
CURRENT SITUATION:				
N/A				
IMPACT IF NOT PROVIDED:				
N/A				
12. Supplemental Data:				
A. Estimated Design Data:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title Planning & Design	
5. Program Element	6. Category Code	7. Project Number P227	8. Project Cost (\$000) 88,230	
<p>1. Status:</p> <ul style="list-style-type: none"> (A) Date design or Parametric Cost Estimate started (B) Date 35% Design or Parametric Cost Estimate complete (C) Date design completed (D) Percent completed as of September 2015 (E) Percent completed as of January 2016 (F) Type of design contract (G) Parametric Estimate used to develop cost (H) Energy Study/Life Cycle Analysis performed <p>2. Basis:</p> <ul style="list-style-type: none"> (A) Standard or Definitive Design (B) Where design was previously used <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <ul style="list-style-type: none"> (A) Production of plans and specifications (B) All other design costs (C) Total \$0 (D) Contract (E) In-house <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: Phone No:</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N64481 MINOR CONSTRUCTION UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title MCON Unspecified Minor Construction	
5. Program Element	6. Category Code	7. Project Number P217	8. Project Cost (\$000) 29,790	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MCON UNSPECIFIED MINOR CONSTRUCTION	LS			29,790
MCON UNSPECIFIED MINOR CONSTRUCTION	LS			(29,790)
SUBTOTAL				29,790
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				29,790
SIOH (0%)				0
SUBTOTAL				29,790
TOTAL REQUEST ROUNDED				29,790
TOTAL REQUEST				29,790
10. Description of Proposed Construction:				
Department of the Navy (DON) unspecified minor military construction (UMC) projects authorized by Title 10 USC 2805 and funded by military construction active force (MCON) appropriations.				
11. Requirement:				
PROJECT:				
DON UMC projects funded by MCON appropriations.				
(Current Mission)				
REQUIREMENT:				
A MCON funded UMC project is a military construction project not otherwise authorized by law having an approved total funded project cost no more than \$3,000,000; \$4,000,000 if intended solely to correct a deficiency that is life-threatening, health-threatening, or safety-threatening; or (until 30 Sep 2018 unless extended) \$4,000,000 for the revitalization and recapitalization of laboratories owned by the United States and under jurisdiction of the Service Secretary concerned. A MCON funded UMC project may be carried out only after the end of the 14 day period beginning on the date on which notification is provided in an electronic medium to the appropriate committees of Congress.				
CURRENT SITUATION:				
N/A				
IMPACT IF NOT PROVIDED:				
N/A				
12. Supplemental Data:				
A. Estimated Design Data:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N64481 MINOR CONSTRUCTION UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title MCON Unspecified Minor Construction	
5. Program Element	6. Category Code	7. Project Number P217	8. Project Cost (\$000) 29,790	
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete</p> <p>(C) Date design completed</p> <p>(D) Percent completed as of September 2015</p> <p>(E) Percent completed as of January 2016</p> <p>(F) Type of design contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy Study/Life Cycle Analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications</p> <p>(B) All other design costs</p> <p>(C) Total \$0</p> <p>(D) Contract</p> <p>(E) In-house</p> <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: Phone No:</p>				

DEPARTMENT OF THE NAVY
FY 2017 MILITARY CONSTRUCTION PROGRAM
EUROPEAN REASSURANCE INITIATIVE (ERI) MILCON

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Project Justification Documents (DD1391s)	1

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DEPARTMENT OF THE NAVY
FY 2017 MILITARY CONSTRUCTION PROGRAM
EUROPEAN REASSURANCE INITIATIVE (ERI)

Requirement

The Department of the Navy supports the President's European Reassurance Initiative (ERI) to help increase the capability and readiness of U.S. allies and partners. A key enabler for contingency options is sufficiently robust infrastructure at key locations to support military activities. Improved infrastructure at Keflavik, Iceland will allow for greater flexibility and responsiveness to the evolving concerns of our allies and partners in Europe. The P-8A Hangar Upgrade and Aircraft Rinse Facility will support P-8A short duration/expeditionary type detachments and reassure allies of the U.S. commitment to their security.

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**DEPARTMENT OF THE NAVY
FY 2017 Military Construction**

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Outside the United States</u>						
ICELAND						
		NAVSUPPACT NAPLES IT <u>KEFLAVIK, ICELAND</u>				
	307	ERI: P-8A Hangar Upgrade	14,600	14,600	New	1
	308	ERI: P-8A Aircraft Rinse Rack	5,000	5,000	New	5
		Subtotal	19,600	19,600		
		Total - ICELAND	19,600	19,600		
		Total - Outside The United States	19,600	19,600		
<u>Various Locations</u>						
	1117	ERI: Planning & Design	0	1,800	Current	9
		Total - Various Locations	0	1,800		
		Grand Total	19,600	21,400		

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Hangar Upgrade	
5. Program Element	6. Category Code 21105	7. Project Number P307	8. Project Cost (\$000) 14,600	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ERI: P-8A HANGAR UPGRADE (39,008SF)	m2	3,624		12,640
HANGAR 831A CC21105 (39,008SF)	m2	3,624	3,389.48	(12,280)
SPECIAL COSTS	LS			(180)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(180)
SUBTOTAL				12,640
CONTINGENCY (5%)				630
TOTAL CONTRACT COST				13,270
SIOH (6.2%)				820
SUBTOTAL				14,090
DESIGN/BUILD - DESIGN COST				510
TOTAL REQUEST ROUNDED				14,600
TOTAL REQUEST				14,600
10. Description of Proposed Construction:				
<p>Project modifies existing aircraft maintenance Hangar 831 at Keflavik Air Base, Iceland to accommodate and allow full enclosure of P-8A aircraft. The existing hangar doors will be replaced to accommodate the tail vertical stabilizer height of the P-8A and the hangar structural members modified to provide for an increased door height.</p> <p>The project will also reconnect the facility to a 400HZ power source and replace an existing segment of the floor that spans an existing utility tunnel with a thicker floor slab.</p> <p>This project also restripes the aircraft parking apron spaces to accommodate P-8A.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Hangar Upgrade	
5. Program Element	6. Category Code 21105	7. Project Number P307	8. Project Cost (\$000) 14,600	
<p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>				
<p>11. Requirement: <u>3,770 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p>PROJECT:</p> <p>This project modifies existing Hangar 831 at Keflavik Air Base, Iceland to allow full enclosure of a P-8A aircraft during contingency operations.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>Keflavik Air Base Hangar 831 is planned to support P-8A short duration/expeditionary type detachments. The modification to the hangar door would allow minor maintenance to be performed in the hangar year-round.</p> <p>Minimum Facility Category Code 21105 high bay hangar dimensions required for P-8A hangar maintenance for one aircraft based on the 14 Dec 2012 P-8A Poseidon Facilities Requirement Document is 31,955 SF GSF. Minimum hanging door requirement to accommodate the tail vertical stabilizers is 46 FT and minimum ceiling height is 48 FT.</p> <p>Four-hundred (400) hertz power converters with 60 hertz transformer are required inside the hangar for P-8As.</p> <p>CURRENT SITUATION:</p> <p>Hangar 831 cannot accommodate P-8A aircraft. The doors cannot be fully closed with a P-8A in the hangar due to the tail vertical stabilizers height being taller than the door height. The tail of the P-8A aircraft hangs outside of the hangar. Current door height is approximately 40 FT and current door frame height is approximately 42 FT. Extreme cold weather conditions in Iceland prevent maintenance from being conducted outside on aircraft year-round. Facility category code 21105 high bay hangar space available in Hangar 831 is approximately 38,988 SF.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Hangar Upgrade	
5. Program Element	6. Category Code 21105	7. Project Number P307	8. Project Cost (\$000) 14,600	
<p>There is an existing approximately 6 foot wide utility tunnel that runs under the center of the hangar. A slab needs to be designed and the floor modified to support the load from a P-8A.</p> <p>Current aircraft parking apron spaces outside Hangar 831 are painted to accommodate P-3 aircraft. These parking spaces are too close together to accommodate P-8A aircraft. The parking apron must be restriped for proper P-8A aircraft spacing.</p> <p>A Host Nation Agreement is being negotiated.</p> <p>This project is not sited in the 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Frequent and often extreme cold weather conditions at Keflavik Air Base prevent aircraft maintenance from being conducted year-round on the parking apron or inside the maintenance hangar when the hangar doors are open. Hangar 831 currently cannot entirely fit a P-8A with the doors fully closed. Lack of a functional, all season maintenance facility at this location necessitates aircraft requiring maintenance to be flown to an alternate location, potentially impacting Mission schedules and potentially delaying crucial regular maintenance. During winter months, maintenance that cannot be delayed would have to be performed in a cold harsh environment, decreasing aircraft availability due to longer time to conduct routine maintenance in the cold, and endangering maintainers as well as causing potential harm to the aircraft.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				12/2015
(B) Date 35% Design or Parametric Cost Estimate complete				06/2016
(C) Date design completed				04/2017
(D) Percent completed as of September 2015				0%
(E) Percent completed as of January 2016				5%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$266
(B) All other design costs				\$267

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Hangar Upgrade	
5. Program Element	6. Category Code 21105	7. Project Number P307	8. Project Cost (\$000) 14,600	
(C) Total				\$533
(D) Contract				\$333
(E) In-house				\$200
4. Contract award:				01/2017
5. Construction start:				05/2017
6. Construction complete:				01/2019
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead Phone No: DSN 314 626 5771				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Aircraft Rinse Rack	
5. Program Element	6. Category Code 21190	7. Project Number P308	8. Project Cost (\$000) 5,000	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ERI: P-8A AIRCRAFT RINSE RACK (15,392SF)	m2	1,430		4,330
AIRCRAFT RINSE FACILITY CC11615 (15,392SF)	m2	1,430	2,916.1	(4,170)
SPECIAL COSTS	LS			(80)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(80)
SUBTOTAL				4,330
CONTINGENCY (5%)				220
TOTAL CONTRACT COST				4,550
SIOH (6.2%)				280
SUBTOTAL				4,830
DESIGN/BUILD - DESIGN COST				170
TOTAL REQUEST ROUNDED				5,000
TOTAL REQUEST				5,000
10. Description of Proposed Construction:				
<p>Project constructs a new, outdoor automatic aircraft rinse facility required for post-flight rinse of P-8A aircraft. The post rinse facility must be able to operate in extreme cold climates.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p>				
11. Requirement:				
		Adequate:	Substandard:	
PROJECT:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Aircraft Rinse Rack	
5. Program Element	6. Category Code 21190	7. Project Number P308	8. Project Cost (\$000) 5,000	
<p>This project will construct a new, outdoor automatic aircraft rinse facility required for post-flight rinse of P-8A aircraft. The post-flight rinse facility must be able to operate in extreme cold climates.</p> <p>(New Mission)</p> <p>REQUIREMENT:</p> <p>Keflavik Air Base Hangar 831 is planned to support P-8A short duration/expeditionary type detachments. P-8A aircraft require post-flight fresh water rinses after every flight to remove salt, sand, and other debris buildup and to prevent aircraft structural corrosion. This facility is required because of accelerated corrosion due to low-level over-water operations and a corrosive atmosphere at the installation.</p> <p>A post-flight rinse facility also allows for regulation of water pressure to protect sensitive out-board equipment, thereby increasing operational effectiveness and safety of flight. A facility of appropriate type is planned for each type of aircraft normally stationed at the airfield. A P-8A compatible rinse facility will support current and future P-8A operations. A dedicated post-flight rinse facility will allow returning aircraft to easily and quickly taxi through the rinse facility and continue operations without having to be brought into the hangar.</p> <p>CURRENT SITUATION:</p> <p>Currently, Keflavik Air Base does not have an automatic aircraft rinse facility that can be used to remove corrosive sea-salt deposits from aircraft returning from missions. Post-flight rinsing of the aircraft must be performed manually, inside the hangar after every flight.</p> <p>During a site visit with the Keflavik International Airport Manager, all parties agreed that the best location for a rinse facility would be a concrete pad located off the N Taxiway next to the eastern aircraft parking apron.</p> <p>This project is not sited in the 100-year flood plain.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>Manual post-flight rinsing the P-8A aircraft inside the hangar significantly increases labor requirements (up to 2 hours and 2 maintainers per flight), and increases operational down-time for the aircraft. It is also less reliable and substantially increases the risk of damaging airframe corrosion. Post-flight rinsing would be delayed if the hangar bay is not available due to other on-going maintenance activities and delay of the post-flight rinse increases risk of damage to the aircraft due to sea salt residue or other contaminants. In addition, manual rinsing uses up to 80 percent more water than automatic systems that clean, recirculate, and</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Aircraft Rinse Rack	
5. Program Element	6. Category Code 21190	7. Project Number P308	8. Project Cost (\$000) 5,000	
re-use a large percentage of the water.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				12/2015
(B) Date 35% Design or Parametric Cost Estimate complete				06/2016
(C) Date design completed				04/2017
(D) Percent completed as of September 2015				0%
(E) Percent completed as of January 2016				5%
(F) Type of design contract				Design Build
(G) Parametric Estimate used to develop cost				No
(H) Energy Study/Life Cycle Analysis performed				No
2. Basis:				
(A) Standard or Definitive Design				Yes
(B) Where design was previously used				NAS Jacksonville
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$91
(B) All other design costs				\$91
(C) Total				\$182
(D) Contract				\$114
(E) In-house				\$68
4. Contract award:				01/2017
5. Construction start:				05/2017
6. Construction complete:				01/2019
B. Equipment associated with this project which will be provided from other appropriations: NONE				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.				
Activity POC: Project Development Lead Phone No: DSN 314 626 5771				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N62588(KF) NAVSUPPACT NAPLES IT (KEFLAVIK) KEFLAVIK, ICELAND			4. Project Title ERI: P-8A Aircraft Rinse Rack	
5. Program Element	6. Category Code 21190	7. Project Number P308	8. Project Cost (\$000) 5,000	
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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title ERI: Planning & Design	
5. Program Element	6. Category Code	7. Project Number P1117	8. Project Cost (\$000) 1,800	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ERI: PLANNING & DESIGN	LS			1,800
DESIGN COSTS	LS			(1,800)
SUBTOTAL				1,800
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				1,800
SIOH (0%)				0
SUBTOTAL				1,800
TOTAL REQUEST ROUNDED				1,800
TOTAL REQUEST				1,800
10. Description of Proposed Construction:				
<p>Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, exceptional authority construction (including unspecified minor construction) projects, land appraisals, and other projects as directed. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.</p>				
11. Requirement:				
PROJECT:				
Planning and design funds.				
(Current Mission)				
REQUIREMENT:				
<p>All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.</p>				
CURRENT SITUATION:				
N/A				
IMPACT IF NOT PROVIDED:				
N/A				
12. Supplemental Data:				
A. Estimated Design Data:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title ERI: Planning & Design	
5. Program Element	6. Category Code	7. Project Number P1117	8. Project Cost (\$000) 1,800	
<p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete</p> <p>(C) Date design completed</p> <p>(D) Percent completed as of September 2015</p> <p>(E) Percent completed as of January 2016</p> <p>(F) Type of design contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy Study/Life Cycle Analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications</p> <p>(B) All other design costs</p> <p>(C) Total \$0</p> <p>(D) Contract</p> <p>(E) In-house</p> <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: Phone No:</p>				

DEPARTMENT OF THE NAVY
FY 2017 MILITARY CONSTRUCTION PROGRAM
OVERSEAS CONTINGENCY OPERATIONS (OCO) MILCON

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DEPARTMENT OF THE NAVY
FY 2017 MILITARY CONSTRUCTION PROGRAM
OVERSEAS CONTINGENCY OPERATIONS (OCO)

Requirement

As the Department of Defense's only enduring presence in Africa, Camp Lemonnier, Djibouti (CLDJ) serves as a hub for enabling operations in the Horn of Africa while fostering positive U.S. Government-African Nation relations. CLDJ is an essential staging base that provides logistical support and serves as the operational platform for combating regional terrorism and theater security cooperation efforts. As the designated host of CLDJ, the Department of the Navy resources common support functions and provides common services and facilities for all services and agencies. CLDJ requires a facility to support military medical services for all US Forces in the area of operations. The requested medical/dental facility will provide the required medical services to personnel in support of the AFRICOM mission.

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**DEPARTMENT OF THE NAVY
FY 2017 Military Construction**

Index of Locations for Navy and Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request (\$000)	Approp Request (\$000)	Mission	Page No.
<u>Outside the United States</u>						
DJIBOUTI						
		CAMP LEMONNIER DJIBOUTI				
		<u>CAMP LEMONNIER, DJIBOUTI</u>				
	223	OCO: Medical/Dental Facility	37,409	37,409	Current	1
		Subtotal	37,409	37,409		
		Total - DJIBOUTI	37,409	37,409		
		Total - Outside The United States	37,409	37,409		
<u>Various Locations</u>						
	1017	OCO: Planning & Design	0	1,000	Current	7
		Total - Various Locations	0	1,000		
		Grand Total	37,409	38,409		

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N3379A CAMP LEMONNIER DJIBOUTI CAMP LEMONNIER, DJIBOUTI			4. Project Title OCO: Medical/Dental Facility	
5. Program Element 0816276N	6. Category Code 51010	7. Project Number P223	8. Project Cost (\$000) 37,409	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
OCO: MEDICAL/DENTAL FACILITY (30,182SF)	m2	2,804		29,850
MEDICAL/DENTAL FACILITY CC51010 (30,182SF)	m2	2,804	9,724.62	(27,270)
BUILT-IN EQUIPMENT	LS			(1,250)
SPECIAL COSTS	LS			(670)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(290)
SUSTAINABILITY AND ENERGY FEATURES	LS			(370)
SUPPORTING FACILITIES				3,700
SITE PREPARATIONS	LS			(250)
SPECIAL FOUNDATION FEATURES	LS			(90)
PAVING AND SITE IMPROVEMENTS	LS			(570)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
ELECTRICAL UTILITIES	LS			(1,620)
MECHANICAL UTILITIES	LS			(730)
DEMOLITION	LS			(420)
SUBTOTAL				33,550
CONTINGENCY (5%)				1,680
TOTAL CONTRACT COST				35,230
SIOH (6.2%)				2,180
SUBTOTAL				37,410
TOTAL REQUEST ROUNDED				37,410
TOTAL REQUEST				37,409
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4,208)
10. Description of Proposed Construction:				
Constructs a single-story medical/dental facility for emergency treatment, surgical intervention, primary medical and dental care, evacuation and functions essential to maintenance of the health of the force, and other Role 2 functions. The facility provides functions including immediate lifesaving measures and disease and non-battle injury (DNBI) prevention and care. The facility will have a spread footing, concrete foundation with				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
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5. Program Element 0816276N	6. Category Code 51010	7. Project Number P223	8. Project Cost (\$000) 37,409	
<p>structural steel framing, and metal roofing. The facility must comply with Anti-Barriers Act and Americans with Disabilities Accessibility Guidelines.</p> <p>Role 2 provides advanced trauma management and emergency medical treatment including continuation of resuscitation started in Role 1.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings and AFRICOM AT/FP standards.</p> <p>Built-in equipment includes patient head walls in the inpatient and emergency departments, sound attenuation and an emergency generator. Surgical lights, medical gas systems, built-in furniture is also included.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Electrical utilities include Electrical service, communications duct bank, transformers, switches, distribution boards, and communications cabling back to the telecom facility.</p> <p>Building #130 (medical facility) and #140 Navy Medical Research Unit of Detachment 3 will be demolished upon completion of this project as the functions they now house will be relocated to this new facility and they will no longer be needed. Furthermore, Buildings #130 and #140 are part of the original French Compound, in poor shape, and not conducive to re-use for other known requirements. Their demolition is required to make space available for future construction projects. Demolition will include foundations and utility services.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
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5. Program Element 0816276N	6. Category Code 51010	7. Project Number P223	8. Project Cost (\$000) 37,409	
<p>satisfying the facility requirements with the goal of maximizing energy efficiency.</p> <p>The entire camp at CLDJ is subject to flooding during the one or two heavy rainfalls per year. The medical/dental facility needs to be located on the secure camp site. The camp is located in a 100-year flood plain and this new facility will be as well. The ground floor of the facility will be elevated several feet above the high water level of the projected flood waters under site improvement measures.</p>				
<p>11. Requirement: <u>2,804 m2</u> Adequate: Substandard:</p> <p>PROJECT:</p> <p>This project constructs a single story medical/dental facility (Role 2) with inpatient and outpatient services for forward resuscitative surgical care.</p> <p>(Current Mission)</p> <p>REQUIREMENT:</p> <p>This medical/dental facility will satisfy the medical requirements of Camp Lemonnier. Given the distance from other military assets and the inadequacy of host nation capabilities, these medical facilities will support military medical services for all US Forces in the area of operations, such as down range units. This requires a full complement of capabilities ranging from surgical to dental. Because of the lack of adequate medical facilities in this geographically remote area, it is imperative that this medical facility be provided.</p> <p>The facility will require 10-foot high clear areas in the operating rooms and high ceilings for the remainder of the rooms.</p> <p>The population for the design was based on the newly developed Master Plan for CLDJ and in close coordination with USAFRICOM and Fleet Force Surgeon. The population basis for design is 4,000 persons.</p> <p>CURRENT SITUATION:</p> <p>For the past ten years, the current medical facility supported Camp Lemonnier, Djibouti (CLDJ) and Combined Joint Task Force-Horn of Africa tenants as a Role 2 medical facility. The primary mission is to provide resuscitative surgical care, primary care, and stabilization / evacuation for more acute cases. Over the years, the expected medical services have increased to include sick call, dental care, preventive medicine, physical therapy and mental health.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
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5. Program Element 0816276N	6. Category Code 51010	7. Project Number P223	8. Project Cost (\$000) 37,409	
<p>The current camp population is 2,400 steady state (military and DoD civilian population only). The medical facility currently services approximately 4,000 personnel because personnel from down range also need to be treated. The existing facility was initially sized to serve 1,200 base personnel but during times of surge, the population can grow to 4,700 which puts an enormous strain on the medical services.</p> <p>The existing medical facility is situated in an austere, isolated location. There are no western medical centers in the vicinity and camp medical services are the first option of care for this area of operation. There is a French military hospital, Bouffard Hospital, which is approximately four miles or a 15-minute drive, from the camp. Bouffard Hospital is the only local medical referral center for specialty care referrals which can be used by camp population. Bouffard Hospital reduced the services it provided in 2015, which leaves the camp medical team with no viable referral centers in the vicinity, and medical evacuations will be required.</p> <p>Building #130 is an expeditionary structure with electrical code and seismic deficiencies, as well as lacking ATPF standoff criteria. It has insufficient space for medical functions (e.g., clinical exam spaces for providers, ancillary spaces for expanded laboratory and pharmacy services, storage, adequate staff circulation space to maintain safety, and clinical support spaces). Additionally, clinical flow must pass through patient ward or surgical suite to access casualty receiving. Operating rooms do not meet standards due to the insufficient mechanical systems. Air changes and positive pressure cannot be guaranteed or monitored. The operating room size is too small to accommodate the required equipment. The central sterilization room does not meet accepted clinical standards because there is no physical separation of dirty/contaminated functions and clean/sterile functions. Building #130 has very little bulk storage space available. Current medical storage occurs in open shelving within work spaces and bulk storage is located in Building #200 (adjacent building), four shipping containers located next to Building #130 and various locations nearby, posing potential contamination hazards and shortened life expectancy of prepared solutions and supplies.</p> <p>The entire camp at CLDJ is subject to flooding during the one or two heavy rainfalls per year. The medical/dental facility needs to be located on the secure camp site. The camp is located in a 100-year flood plain and this new facility will be as well. The ground floor of the facility will be elevated several feet above the high water level of the projected flood waters under site improvement measures.</p>				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA) & Location/UIC: N3379A CAMP LEMONNIER DJIBOUTI CAMP LEMONNIER, DJIBOUTI			4. Project Title OCO: Medical/Dental Facility	
5. Program Element 0816276N	6. Category Code 51010	7. Project Number P223	8. Project Cost (\$000) 37,409	
IMPACT IF NOT PROVIDED:				
<p>If the medical/dental facility and its capabilities are not provided, CLDJ will not be able to provide required medical services to personnel in support of the AFRICOM mission. The camp will not be able to effectively respond to a large-scale incident, requiring personnel to potentially travel thousands of miles to another facility for treatment. Currently the medical staff's ability to respond to a mass casualty event, either accidental or intentional, is limited with the current facility being the limiting or constraining factor.</p> <p>Other deficiencies noted under current status will continue and may worsen, particularly due to the reduction of services at Bouffard Hospital. In addition, the required increased level of laboratory testing services will not be met.</p>				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				11/2014
(B) Date 35% Design or Parametric Cost Estimate complete				07/2015
(C) Date design completed				10/2016
(D) Percent completed as of September 2015				35%
(E) Percent completed as of January 2016				40%
(F) Type of design contract	Design Bid Build			
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,114
(B) All other design costs				\$1,339
(C) Total				\$3,453
(D) Contract				\$2,818
(E) In-house				\$635
4. Contract award:				02/2017
5. Construction start:				03/2017
6. Construction complete:				03/2019
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N3379A CAMP LEMONNIER DJIBOUTI CAMP LEMONNIER, DJIBOUTI			4. Project Title OCO: Medical/Dental Facility	
5. Program Element 0816276N	6. Category Code 51010	7. Project Number P223	8. Project Cost (\$000) 37,409	
Collateral Equipment (Category C)		OMN	2018	3,650
Medical Equipment (Category E & F)		OMN	2018	558
JOINT USE CERTIFICATION:				
<p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on the Department of the Navy requirements.</p>				
Activity POC: Project Development Lead		Phone No: 311-824-5418		

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title OCO: Planning & Design	
5. Program Element	6. Category Code	7. Project Number P1017	8. Project Cost (\$000) 1,000	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
OCO: PLANNING & DESIGN	LS			1,000
DESIGN COSTS	LS			(1,000)
SUBTOTAL				1,000
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				1,000
SIOH (0%)				0
SUBTOTAL				1,000
TOTAL REQUEST ROUNDED				1,000
TOTAL REQUEST				1,000
10. Description of Proposed Construction:				
<p>Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, exceptional authority construction (including unspecified minor construction) projects, land appraisals, and other projects as directed. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.</p>				
11. Requirement:				
PROJECT:				
Planning and design funds.				
(Current Mission)				
REQUIREMENT:				
<p>All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.</p>				
CURRENT SITUATION:				
N/A				
IMPACT IF NOT PROVIDED:				
N/A				
12. Supplemental Data:				
A. Estimated Design Data:				

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROGRAM			2. Date 09 FEB 2016
3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title OCO: Planning & Design	
5. Program Element	6. Category Code	7. Project Number P1017	8. Project Cost (\$000) 1,000	
<p>1. Status:</p> <ul style="list-style-type: none"> (A) Date design or Parametric Cost Estimate started (B) Date 35% Design or Parametric Cost Estimate complete (C) Date design completed (D) Percent completed as of September 2015 (E) Percent completed as of January 2016 (F) Type of design contract (G) Parametric Estimate used to develop cost (H) Energy Study/Life Cycle Analysis performed <p>2. Basis:</p> <ul style="list-style-type: none"> (A) Standard or Definitive Design (B) Where design was previously used <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <ul style="list-style-type: none"> (A) Production of plans and specifications (B) All other design costs (C) Total \$0 (D) Contract (E) In-house <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: Phone No:</p>				

Host Country In-Kind Contributions Projects

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- Camp Mujuk; Pohang, Korea
 - ROKFC Project M17R210; Camp Mujuk Life Support Area (LSA) Barracks #2
 - ROKFC Project M18R215; Camp Mujuk Life Support Area (LSA) Barracks #3
 - ROKFC Project M18R101; Marine Air Ground Task Force Operations Center

- Chinhae, Korea
 - ROKFC Project N17R700; Upgrade Electrical System, Pier 11
 - ROKFC Project N19R950; Indoor Training Pool

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1. COMPONENT Marine Corps		REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)		2. DATE 28 JAN 2016	
3. INSTALLATION AND LOCATION Camp Mujuk, Pohang, Korea			4. PROJECT TITLE Camp Mujuk Life Support Area (LSA) Barracks #2		
5. PROGRAM ELEMENT N/A		6. CATEGORY CODE 721-15	7. PROJECT NUMBER M17R210		8. PROJECT COST (\$000) \$14,100
9. COST ESTIMATES					
ITEM OF WORK		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					10,777
OPEN BAY BILLETING		m2	5,210	1,968	(10,253)
LEED AND EPAC REQUIREMENTS		LS			(242)
ANTI-TERRORISM / FORCE PROTECTION		LS			(242)
INFORMATION SYSTEMS		LS			(40)
SUPPORTING FACILITIES					1,833
ELECTRICAL SERVICE		LS			(240)
MECHANICAL SERVICE		LS			(240)
WATER / SEWER		LS			(70)
PAVING, WALKS, CURBS, GUTTERS		LS			(120)
STORM DRAINAGE		LS			(100)
SITE IMPROVEMENT		LS			(903)
INFORMATION SYSTEM		LS			(80)
DEMOLITION		LS			(80)
SUB TOTAL		--	--	--	12,610
CONTINGENCY		5%	--	--	860
TOTAL PROJECT COST		--	--	--	13,240
CONTRACT ADMINISTRATION COST		6.5%	--	--	860
TOTAL FUNDED COST		--	--	--	14,100
TOTAL REQUEST (ROUNDED)		--	--	--	14,100
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<ul style="list-style-type: none"> No portion of the facility being constructed is intended for ROK personnel exclusive or primary use. <p>Host Nation Funded Construction project to construct a three-story open bay billeting facility consisting of reinforced concrete foundations and floors, pre-engineered metal building frame, protected metal walls and roofing, plumbing systems, HVAC systems, fire sprinkler and fire alarm systems, lighting and power systems, telecommunication systems to include: installed inside plant (ISP) architecture to support Local Area Network; outside plant (OSP) fiber optic and telephone cables connecting to the base main distribution frame (MDF) and security requirements for Anti-Terrorism/Force Protection (AT/FP).</p> <p>Demolition: demolish existing concrete pads and include clearing and grubbing for the proposed site.</p> <p>The building will be divided into six zones allowing occupancy of a third, two thirds, or the whole facility at a time depending on the requirements. Provisions for extended closure during winter months when the facility may be vacant are required including dry-pipe sprinkler systems and provisions to drain plumbing to prevent pipe freezing and to save heating costs. Spaces in the building will include the following:</p> <ul style="list-style-type: none"> The first floor will consist of 1 living/sleeping quarters for 50 personnel including gang showers and toilet facilities. The other area will be office space for the training staff. The first floor will have a communications/server room with HVAC and power systems capable of supporting networked, information systems and communications systems. Four living/sleeping quarters per deck on the top two decks including gang showers and toilet facilities for male and female Marines. 					

1. COMPONENT Marine Corps	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)	2. DATE 28 JAN 2016
3. INSTALLATION AND LOCATION Camp Mujuk, Pohang, ROK		
4. PROJECT TITLE Camp Mujuk Life Support Area (LSA) Barracks #2		5. PROJECT NUMBER M17R210
10. DESCRIPTION OF PROPOSED CONSTRUCTION (CONTINUED) <ul style="list-style-type: none"> • Laundry rooms on each floor furnished with more than minimum required washer/dryer by FC-4-721-10N since no alternative laundry facility exist. • Janitor, mechanical, electrical, and communications rooms/closets on each floor. • Hallways/Stairs and circulation space with room for vending machines. Supporting facilities include grading, storm drainage systems, utility connections, underground communication lines, a concrete pad to support tactical satellite/radio systems linked to the main facility via fiber optic/telephone cables, sidewalks, landscaping, chain link fencing, fuel tank, and dumpster pad.		
11. REQUIREMENT: <u>22,200 m2</u> ADEQUATE: <u>0 m2</u> SUB-STANDARD: <u>0 m2</u> <u>PROJECT:</u> Construct a 400 PN, three-story open bay billeting facility. <u>REQUIREMENT:</u> Camp Mujuk is transitioning to become the cornerstone of the Marine Corps Combined Expeditionary Warfare Capability (CEWTC) in the Republic of Korea. This project is required to provide adequate life support for up to 400 Marines during exercises hosted at Camp Mujuk, in transit to other exercise areas and during contingency operations. Facility is per Marine Housing standards, refer to FC 4-721-10N, Navy and Marine Corps Unaccompanied Housing for details. <u>CURRENT SITUATION:</u> Camp Mujuk Hosts over 12 exercises supporting over 4,500 Marines annually. Currently, training units are housed in 18' x 36' Containerized Housing Units (CHU) as an interim solution to the Modular General Purpose Tent Systems (MGPTS) that are easily degraded/broken under expected adverse weather. CHU's require extensive maintenance, labor, and logistical support which negatively affects the Camp's ability to host exercise forces and to serve as a transit point. The lack of a permanent laundry facility has also caused health issues in the past as Marines were not able to properly clean their clothing and gear. <u>ADDITIONAL:</u> Anti-Terrorism/Force Protection requirements per UFC 4-010-01, dated February 2012 will be applied to this project. This project is eligible for the Host Nation Funded Construction (HNFC) program. All known alternatives, such as "cave system" and container housing, were considered during the development of this project. These other options could not meet mission requirements. A notional floor plan was developed from the requirements to determine the size of the facility. This project is located on an installation which will be retained by United States Forces Korea (USFK) for the foreseeable future.		

1. COMPONENT Marine Corps		REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)		2. DATE 28 JAN 2016	
3. INSTALLATION AND LOCATION Camp Mujuk, Pohang, Korea			4. PROJECT TITLE Camp Mujuk Life Support Area (LSA) Barracks #3		
5. PROGRAM ELEMENT N/A		6. CATEGORY CODE 721-15	7. PROJECT NUMBER M18R215		8. PROJECT COST (\$000) \$14,100
9. COST ESTIMATES					
ITEM OF WORK		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					10,777
OPEN BAY BILLETING		m2	5,210	1,968	(10,253)
LEED AND EPAC REQUIREMENTS		LS			(242)
ANTI-TERRORISM / FORCE PROTECTION		LS			(242)
INFORMATION SYSTEMS		LS			(40)
SUPPORTING FACILITIES					1,833
ELECTRICAL SERVICE		LS			(240)
MECHANICAL SERVICE		LS			(240)
WATER / SEWER		LS			(70)
PAVING, WALKS, CURBS, GUTTERS		LS			(120)
STORM DRAINAGE		LS			(100)
SITE IMPROVEMENT		LS			(903)
INFORMATION SYSTEM		LS			(80)
DEMOLITION		LS			(80)
SUB TOTAL		--	--	--	12,610
CONTINGENCY		5%	--	--	860
TOTAL PROJECT COST		--	--	--	13,240
CONTRACT ADMINISTRATION COST		6.5%	--	--	860
TOTAL FUNDED COST		--	--	--	14,100
TOTAL REQUEST (ROUNDED)		--	--	--	14,100
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<ul style="list-style-type: none"> No portion of the facility being constructed is intended for ROK personnel exclusive or primary use. <p>Host Nation Funded Construction project to construct a three-story open bay billeting facility consisting of reinforced concrete foundations and floors, pre-engineered metal building frame, protected metal walls and roofing, plumbing systems, HVAC systems, fire sprinkler and fire alarm systems, lighting and power systems, telecommunication systems to include: installed inside plant (ISP) architecture to support Local Area Network; outside plant (OSP) fiber optic and telephone cables connecting to the base main distribution frame (MDF) and security requirements for Anti-Terrorism/Force Protection (AT/FP).</p> <p>Demolition: demolish existing concrete pads and include clearing and grubbing for the proposed site.</p> <p>The building will be divided into six zones allowing occupancy of a third, two thirds, or the whole facility at a time depending on the requirements. Provisions for extended closure during winter months when the facility may be vacant are required including dry-pipe sprinkler systems and provisions to drain plumbing to prevent pipe freezing and to save heating costs. Spaces in the building will include the following:</p> <ul style="list-style-type: none"> The first floor will consist of 1 living/sleeping quarters for 50 personnel including gang showers and toilet facilities. The other area will be office space for the training staff. The first floor will have a communications/server room with HVAC and power systems capable of supporting networked, information systems and communications systems. Four living/sleeping quarters per deck on the top two decks including gang showers and toilet facilities for male and female Marines. 					

1. COMPONENT Marine Corps	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)	2. DATE 28 JAN 2016
3. INSTALLATION AND LOCATION Camp Mujuk, Pohang, ROK		
4. PROJECT TITLE Camp Mujuk Life Support Area (LSA) Barracks #3		5. PROJECT NUMBER M18R215
10. DESCRIPTION OF PROPOSED CONSTRUCTION (CONTINUED) <ul style="list-style-type: none"> • Laundry rooms on each floor furnished with more than minimum required washer/dryer by FC-4-721-10N since no alternative laundry facility exist. • Janitor, mechanical, electrical, and communications rooms/closets on each floor. • Hallways/Stairs and circulation space with room for vending machines. • Supporting facilities include grading, storm drainage systems, utility connections, underground communication lines, a concrete pad to support tactical satellite/radio systems linked to the main facility via fiber optic/telephone cables, sidewalks, landscaping, chain link fencing, fuel tank, and dumpster pad. 		
11. REQUIREMENT: <u>22,200 m2</u> ADEQUATE: <u>0 m2</u> SUB-STANDARD: <u>0 m2</u> <p><u>PROJECT:</u> Construct a 400 PN, three-story open bay billeting facility.</p> <p><u>REQUIREMENT:</u> Camp Mujuk is transitioning to become the cornerstone of the Marine Corps Combined Expeditionary Warfare Capability (CEWTC) in the Republic of Korea. This project is required to provide adequate life support for up to 400 Marines during exercises hosted at Camp Mujuk, in transit to other exercise areas and during contingency operations. Facility is per Marine Housing standards, refer to FC 4-721-10N, Navy and Marine Corps Unaccompanied Housing for details.</p> <p><u>CURRENT SITUATION:</u> Camp Mujuk Hosts over 12 exercises supporting over 4,500 Marines annually. Currently, training units are housed in 18' x 36' Containerized Housing Units (CHU) as an interim solution to the Modular General Purpose Tent Systems (MGPTS) that are easily degraded/broken under expected adverse weather. CHU's require extensive maintenance, labor, and logistical support which negatively affects the Camp's ability to host exercise forces and to serve as a transit point. The lack of a permanent laundry facility has also caused health issues in the past as Marines were not able to properly clean their clothing and gear.</p> <p><u>ADDITIONAL:</u> Anti-Terrorism/Force Protection requirements per UFC 4-010-01, dated February 2012 will be applied to this project. This project is eligible for the Host Nation Funded Construction (HNFC) program. All known alternatives, such as "cave system" and container housing, were considered during the development of this project. These other options could not meet mission requirements. A notional floor plan was developed from the requirements to determine the size of the facility. This project is located on an installation which will be retained by United States Forces Korea (USFK) for the foreseeable future.</p>		

1. COMPONENT Marine Corps		Republic of Korea Funded Construction (ROKFC)		2. DATE: 28 JAN 2016	
3. INSTALLATION AND LOCATION Camp Mujuk, Pohang, ROK			4. PROJECT TITLE: Marine Air Ground Task Force Operations Center		
5. PROGRAM ELEMENT: N/A	6. CATEGORY CODE: 610-70	7. PROJECT NUMBER: M18R101	8. PROJECT COST (\$000): 68,000		
9. COST ESTIMATE					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Primary Facility					58,396
Marine Expeditionary Force Operations Center CC61070		M2	9,895	4,885.25	(48,340)
Tactical Vehicle Parking Area CC85210		M2	1,436	218.66	(314)
Built-in Equipment		LS			(3,297)
Special Foundation		M	4,123	180.00	(742)
Electronic Security System		LS	1		(448)
SDD & EAct 05		LS	1		(896)
Building AT/FP (Anti-terrorism / Force Protection)		LS	1		(896)
Bldg Information System		LS	1		(3,463)
Supporting Facilities					2,325
Electrical Service (w/ UPS est. 500Kva)					(386)
Water, Sewer & Gas					(54)
Paving					(188)
Storm Drainage					(103)
Site Improvements (570) Demolition (110)					(680)
Information Systems (Outside 5' Line)					(110)
AT/FP (Outside 5' Line)					(170)
Others					(299)
Relocate Existing Contingency Billeting					(335)
Estimated Contract Cost					60,721
Contingency (5%)					<u>3,036</u>
Sub-Total					63,757
Supervision, Inspection & Overhead (6.5%)					<u>4,144</u>
Total Request					67,901
Total Request (Rounded)					68,000
Equipment From Other Appropriations					7,400
10. DESCRIPTION OF PROPOSED CONSTRUCTION:					
Host Nation funded construction project to construct a new Forward Operations Center Building for the Marine Air Ground Task Force (MAGTF) at Camp Mujuk, Pohang, Republic of Korea (ROK). The facility shall support command and control when Marines are deployed to Korea during exercise or contingency. It shall support 403 U.S. military personnel from the MAGTF. Administrative offices shall be provided for the Command Group and Special Staffs, G1, G2, G3, G4, G5, and G6 directorates. Special operational facilities shall include the following: a G3 Operations Center with Watch Floor, Commander's Battle Cabin and					

1. COMPONENT Marine Corps		Republic of Korea Funded Construction (ROKFC)		2. DATE: 28 JAN 2016	
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5. PROGRAM ELEMENT: N/A	6. CATEGORY CODE: 610-70	7. PROJECT NUMBER: M18R101	8. PROJECT COST (\$000): 68,000		
<p>Operations Cells, a G2 Operations Area with server room, communications security management office, aid station, and Contamination Control Area (CCA). Facility shall be windowless with increased threat protection. The project will also provide parking for 10 non-tactical (sedan/van) and 25 tactical vehicles (HMMWV/LMTV). At least 20 of the tactical vehicles will be inside a FE-6 fenced enclosure.</p> <p>Construction includes separate computer room AC Units, 100% backup power, UPS for C4I servers and systems, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS), Access Control and CCTV pathways, Collective Protection (CPS), filtration, Energy Monitoring Control Systems (EMCS) connections, lightning, surge protection, TEMPEST and information shielding via exterior concrete structure.</p> <p>Supporting facilities include site development, removal / demolition of existing facilities, grubbing and grading, widening of adjacent road to allow 2-way traffic, utilities and connections, trash enclosure, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping, signage, new communications fiber from Bldg. #3001. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Access for individuals with disabilities will be provided. Comprehensive interior design components for the building and furnishings are required.</p> <p>Demolition includes smoking pavilion, 16 concrete containerized housing unit pads, and generator pad along with the removal and relocation (or storage) of 16 temporary containerized housing unit structures and site generator. Pavement, landscaping, and utilities will be demolished where necessary and utilities will be relocated as needed.</p> <p>AC Tonnage: 690 Tons (2,425 KW)</p>					
11. REQ:9,895 SM (106,512 SF)		ADQT: None		SUBSTD: 727 SM (7,824 SF)	
<p>Project: Construct a new Forward Operations Center Building for the Marine Air Ground Task Force (MAGTF) at Camp Mujuk, Pohang, Republic of Korea (ROK).</p> <p>(Existing Mission) Requirement: The III MEF's mission is to provide forward based and deployed forces to conduct Phase 0 (zero) engagement and theater security cooperation events, support contingencies and emergent requirements, and rapidly execute existing operations plans in support of the U.S. Pacific Command theater and national military strategies. As Combined Marine Corps Component (CMCC), III MEF is dedicated to Combined Forces Commander's (CFC) mission "to defend the Republic of Korea against external aggression and to maintain stability in northeast Asia." CFC's guidance is to train combat units deploying in support of Korean operational or concept plans (OPLAN/CONPLAN) and truly be ready to 'Fight Tonight' as a seamless, integrated, and combined team.</p> <p>In preparation for its role as CMCC, III MEF trains in both command post and field training exercises (CPX/FTX) across the spectrum from engagement to major conflict. Historically, 21 to 24 exercises are conducted annually that combine U.S. and South Korean Marine forces and focus on Korean</p>					

1. COMPONENT Marine Corps		Republic of Korea Funded Construction (ROKFC)		2. DATE: 28 JAN 2016	
3. INSTALLATION AND LOCATION Camp Mujuk, Pohang, ROK			4. PROJECT TITLE: Marine Air Ground Task Force Operations Center		
5. PROGRAM ELEMENT: N/A	6. CATEGORY CODE: 610-70	7. PROJECT NUMBER: M18R101	8. PROJECT COST (\$000): 68,000		

OPLAN/CONPLAN. Currently, III MEF lacks any facility in Korea that satisfies these requirements.

Current Situation:

Currently, the III MEF conducts exercises and contingencies in Building #1004 (K-Span), an existing sub-standard 727 SM (7,824 SF) one-story facility. The facility was conceived as a simulation center. It is limited to operational space for 75 personnel. It has numerous electrical safety hazards, does not meet current construction standards, AT/FP requirements, threat protection, accessibility requirements, sustainable design, or energy efficiency requirements. The facility is prone to flooding, loss of power, and requires tactical generators for electrical power. It does not have the communications infrastructure to provide effective command and control for the MEF Command Element.

Impact If Not Provided:

Without this project, the III MEF will continue to conduct forward exercise and contingency operations in inadequate substandard facilities with identified electrical hazards and flooding risks. It risks the degradation of critical Marine command and control functions during contingency operations in the Korean Theater. Operating out of the existing sub-standard facility center directly affects readiness. If not replaced, unit resources will be unable to execute critical contingency training operations.

Benefit If Provided:

The realization of this project will significantly reduce the cost associated with deployment and redeployment for each Korea Theater of Operation (KTO) exercise. Fewer personnel will be required to support exercises as compared to events conducted under expeditionary conditions. Instead of spending large portions of exercise funds on "no value added" support, more money is directed to mission essential task (MET) accomplishment. With reduced requirements for enablers, III MEF will be able to streamline time phased force deployment data (TPFDD) to rapidly deploy key personnel with minimal equipment; a reduction of 7-10 days from current models. Moreover, the operations center would permit all U.S. units to have C4I services without deploying heavy communications and information systems (CIS). A standing facility with in-place C4I systems allows for greater fidelity in rehearsals through familiarity with systems and facility layout.

This facility puts III MEF in position to integrate consistently with adjacent components throughout the year and for biannual exercises or wartime execution. Ideal venue to conduct conferences, operational planning team (OPT) meetings, wargames (both conventional and simulation-supported), and rehearsal of concept (ROC) drills with adjacent CFC components. In all, the utilization rate for this facility is expected to reach 100% use each year.

ADDITIONAL:

1. Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.
2. The Commander, Marine Corps Installations Command and ADC I&L (Facilities) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

1. COMPONENT Marine Corps		Republic of Korea Funded Construction (ROKFC)		2. DATE: 28 JAN 2016	
3. INSTALLATION AND LOCATION Camp Mujuk, Pohang, ROK			4. PROJECT TITLE: Marine Air Ground Task Force Operations Center		
5. PROGRAM ELEMENT: N/A	6. CATEGORY CODE: 610-70	7. PROJECT NUMBER: M18R101	8. PROJECT COST (\$000): 68,000		

3. This project has been coordinated with the Camp Mujuk Installation Master Plan. It is located on an installation that will be retained by United States Forces Korea (USFK) and Marine Corps Forces Korea (MARFOR-K).
4. Construction is planned for land already granted to USFK by the Republic of Korea government and no explosive safety site approval is required prior to construction of this project. No portion of the proposed facility is intended for Republic of Korea personnel exclusive or primary use.

12. Supplemental Data:

	UM	Quantity	Unit Cost	Total Cost
BUILT-IN EQUIPMENT				
Elevators	EA	2	275,500	551,000
Generators	EA	2	1,373,000	2,746,000

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

C4I System & Equipment (ISC)	PMC	2019	1,900,000
Furniture Furnishings & Equipment (FF&E)	O&MMC	2019	5,500,000

1. COMPONENT NAVY	Republic of Korea Funded Construction (ROKFC)			2. DATE 01 FEB 2016
3. INSTALLATION AND LOCATION CHINHAE, KOREA		4. PROJECT TITLE Upgrade Electrical System, Pier 11		
5. PROGRAM ELEMENT N/A	6. CATEGORY CODE 812-32	7. PROJECT NUMBER N17R700	8. PROJECT COST (\$000) \$ 4,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				3,549
22.9KV UNDERGRD ELEC DIST LINES (CCN 812-32)	LS	-	-	(1,755)
SUBSTATIONS (7500 KVA, 22.9KV/4160V) (CCN 813-20)	LS	-	-	(1,138)
4160V UNDERGRD ELEC DIST LINES (CCN 812-32)	LS	-	-	(656)
SUPPORTING FACILITIES				534
Shelters for Switchgears and Transformer	LS	-	-	(350)
Site Improvement & Modification Work	LS	-	-	(184)
SUBTOTAL				4,083
CONTINGENCY (5%)				204
TOTAL CONTRACT COST				4,287
SIOH (6.5%)				279
TOTAL REQUEST				4,566
TOTAL REQUEST (ROUNDED)				4,600
EQUIPMENT FROM OTHER APPROPRIATIONS				0

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Host Nation Funded construction project to upgrade electrical system at Pier 11 in Chinhae, Korea to a new 4160V shore power supply system. The project includes 22.9KV primary underground electrical distribution lines, 4160V secondary electrical lines, new switchgears, cables, transformers and shore power receptacle boxes on the pier. Supporting facilities include minor site improvements and modifications.

**11. REQUIREMENT (Current Mission):
PROJECT:**

Construct electrical upgrades which will provide 4160V shore power at Pier 11 to support newer class U.S. Navy (USN) ships.

REQUIREMENT:

4160V shore power system is required to support newer class U.S. Navy ships. Visiting combatant ships enhance strategic maritime operations and play a key role in deterrence and defense of the Korean Peninsula.

1. COMPONENT NAVY	Republic of Korea Funded Construction (ROKFC)	2. DATE 01 FEB 2016
3. INSTALLATION AND LOCATION CHINHAE, KOREA		
4. PROJECT TITLE Upgrade Electrical System, Pier 11	5. PROJECT NUMBER N17R700	
<p>CURRENT SITUATION: 4160V shore power supply is not available at Pier 11. This limits U.S. ship visits and the limited ships that do pull in are required to remain on internal ship generated power.</p> <p>IMPACT IF NOT PROVIDED: Lack of shore power reduces the number of U.S. ship visits and thus limits the advance of ROK/US maritime operations and interoperability. If not provided, visiting USN ships would be required to continue operating shipboard generators with associated negative impacts to manpower requirements, emissions, and equipment wear and tear.</p> <p>ADDITIONAL: This project has been coordinated with the Installation Master Plan. Anti-Terrorism/Force Protection requirements per UFC 4-010-01, dated 31 July 2002 will be applied to this project. There are no alternative methods of meeting this requirement. Therefore, an economic analysis is not required. This project is located on an installation which will be retained by United States Forces Korea (USFK) for the foreseeable future. The proposed action will have no adverse impacts on natural resources, local environment, historical, archaeological, or cultural sites.</p> <p>No portion of the facility is intended for Republic of Korea personnel exclusive or primary use. This power system will be exclusively used for visiting USN ships.</p> <p>JOINT USE CERTIFICATION:</p> <p>For US exclusive use</p>		

1. COMPONENT NAVY	Republic of Korea Funded Construction (ROKFC)			2. DATE 01 FEB 2016
3. INSTALLATION AND LOCATION CHINHAЕ, KOREA		4. PROJECT TITLE INDOOR TRAINING POOL		
5. PROGRAM ELEMENT N/A	6. CATEGORY CODE 179-55	7. PROJECT NUMBER N19R950	8. PROJECT COST (\$000) \$ 2,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				1,685
Indoor Training Pool				
Indoor Training Pool (CCN 179-55)	SM	675	\$2,496.30	(1,685)
SUPPORTING FACILITIES				815
Demo (Fac# 782)	LS	1	-	(100)
Excavation & Shoring	LS	1	-	(300)
Retaining Walls	LS	1	-	(250)
Site Preparation	LS	1	-	(165)
Upgrade Filtration System	LS	1	-	(150)
SUBTOTAL				2,500
CONTINGENCY (5%)				125
TOTAL CONTRACT COST				2,625
SIOH (6.5%)				171
TOTAL REQUEST				2,796
TOTAL REQUEST (ROUNDED)				2,800
EQUIPMENT FROM OTHER APPROPRIATIONS				0

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Host Nation Funded construction project which will demolish existing deteriorated and inadequate outdoor swimming pool and construct a new pre-engineered building (PEB) that contains a new 25 Meter, 4 lane swimming pool required for the sailor's fitness, training, and certification requirements.

The new 25 Meter, 4 lane pool will be constructed with gunite with a plaster finish (If colored - white or light colors – ex. Light blue, blue-green, or turquoise – per NAVMED P-5010-4, Section 4-8.a). The new pool will include formed gutters, 3- stainless steel pool ladders, built-in stairs with stainless steel handrail, portable stainless steel lifeguard chair, underwater lighting, and 4-inch pool deck drain system. The new pool would have a continuous concrete deck (min. 12' clear from pool edge, per NAVMED P-5010-4) with an exposed aggregate finish for foot traction when the pool deck gets wet. This pool deck would also serve as the floor inside the PEB.

The PEB, which will be 40 Meters (L) x 20 Meters (W) x 6 Meter (H), will be constructed over the new pool deck area. The PEB and new pool will be built parallel and adjacent to the existing Physical Fitness Center. Appropriate flashing shall be installed between the PEB and Gym to provide proper drainage from the PEB roof, away from the structures. The PEB shall include 3 double doors on the West side of the PEB, and 2 double doors each at the North and South sides of the PEB. The PEB shall incorporate as much natural lighting into the PEB as possible, with high single sash windows with glass and screens and evenly distributed clear poly carbonate roof panels which shall be integrally installed with the PEB metal roofing panels. Interior lighting will be high bay pendent mounted lights shall be installed to provide the proper lumens required. The PEB shall also be equipped with a dehumidifying and heating system that will allow use of the pool all year round.

1. COMPONENT NAVY	Republic of Korea Funded Construction (ROKFC)	2. DATE 01 FEB 2016
3. INSTALLATION AND LOCATION CHINHAЕ, KOREA		
4. PROJECT TITLE INDOOR TRAINING POOL	5. PROJECT NUMBER N19R950	
<p>Demolition includes the existing pool, the existing concrete pool deck, and surrounding chain link fence.</p> <p>11. Requirement: PROJECT: This project constructs a new 25 Meter, 4 lane enclosed training pool within a new PEB structure which will also include a new exterior concrete walkway, curb/chain link fencing surrounding new pool.</p> <p>(Current Mission) REQUIREMENT: The training pool is required to meet sailor's Physical Readiness Testing (PRT)/ Personal Fitness Assessment (PFA) and Second Class Swimmer's Certification and spot certifications on SAR training, Explosive Ordnance Disposal (EOD)/ Sea, Air, Land (SEAL) use.</p> <p>CURRENT SITUATION: The existing 21 Meter, 4 lane outdoor unenclosed swimming pool that was built in 1991 cannot serve as a fitness/training pool because the pool is four meters too short and does not meet the depth requirements to be certified for the PRT/PFA assessments and Second Class Swimmer's Certification. Currently, sailors currently pay for a cab to go off-base to a local area pool, use the Republic of Korea (ROK) Navy facilities, or to Sasebo for Dive/SEAL training. The pool provides only limited lap swim capabilities and is only open from Memorial Day through Labor Day.</p> <p>The existing pool is rapidly aging as it continues its longevity of service. The pool and surrounding decking is deteriorating to a state of disrepair, where repair and maintenance cost during the pool's open season is more costly than replacement. In 2012 the pool was losing approximately 5,000 gallons of water a day which was going directly into the sewer system. Although this issue was addressed, cracks and structural integrity issues remain and need to be monitored regularly. The existing pool is beyond its service life as evidenced by continuous surface cracking on the interior and pool deck, excessive water loss, faulty return piping, and continual maintenance issues.</p> <p>IMPACT IF NOT PROVIDED: Without the new larger 25 meter, 4 lane pool, the existing outdoor swimming pool would continue to be inadequate for the sailor's fitness, training and certification needs and they would have to continue to go off-base or off-island to obtain swimmer certification. The existing pool would also continue to rapidly deteriorate to a point where the pool would no longer be feasible to maintain and would be unsafe for family members to recreate and exercise. The existing pool, which is currently not enclosed, would continue to offer only limited use of the pool during warmer months, since the cold weather prohibits the use of the pool during colder months.</p> <p>ADDITIONAL: This project is compatible with existing land use. There are no alternative methods for meeting this requirement. Therefore, an economic analysis is not required. The new enclosed pool is not anticipated to have an adverse impact to the environment, but prior to construction CFA Chinhae Environmental will be coordinating closely with the City and/or the Cultural Historic Administration (CHA) to make sure project is acceptable to the City and the CHA.</p> <p>JOINT USE CERTIFICATION: For US exclusive use</p>		

TAB:

FAMILY HOUSING

DEPARTMENT OF THE NAVY

FY 2017

BUDGET ESTIMATES



FAMILY HOUSING PROGRAM

**JUSTIFICATION DATA SUBMITTED TO
CONGRESS**

FEBRUARY 2016

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**DEPARTMENT OF THE NAVY
NAVY/MARINE CORPS MILITARY FAMILY HOUSING
PRESIDENT'S BUDGET SUBMISSION
FISCAL YEAR 2017
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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
NARRATIVE SUMMARY

The Department of the Navy (DON) request supports the operation, maintenance, leasing, privatization oversight, and construction for military family housing worldwide. This DON request reflects the Department's commitment to provide safe and adequate homes to service members and their families. To achieve this goal, the DON must balance the revitalization of inadequate homes with the proper maintenance and upkeep of existing housing inventory, keeping it comparable to modern-day, industry standards.

This budget estimate emphasizes utilizing whole-house improvement and replacement for family housing construction. The program's goal is to increase the useful life and livability of homes, ensure they are up to Department of Defense standards, and make them more energy efficient and cheaper to maintain.

The DON's family housing operations request indicates the minimum funding needed to provide military families with adequate housing either through the private community or in government quarters. This funding request predominantly supports "must fund" requirements including utilities, lease contracts, service contracts, and maintenance necessary for the daily operations and upkeep of DON homes.

The DON budget request represents a program that balances modernization of inadequate units and proper sustainment of the current inventory within fiscal constraints.

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DEPARTMENT OF THE NAVY
 FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
PROGRAM SUMMARY

(\$000)

FY 2017 Budget Request \$394,926
 FY 2016 Program Budget \$369,577

Purpose and Scope

This program provides for the support of military family housing functions within the Department of the Navy.

Program Summary

Authorization is requested for:

- (1) The performance of certain construction summarized hereafter; and
- (2) The appropriation of \$394,926
 - (a) to fund this construction; and
 - (b) to fund partially certain other functions already authorized in existing legislation.

A summary of the funding program for Fiscal Year 2017 follows (\$000):

<u>Program</u>	<u>Navy</u>	<u>Marine Corps</u>	<u>DON Total</u>
<u>FH Construction</u>			
New Construction	78,815	0	78,815
Improvements	0	11,047	11,047
Planning and Design	3,456	693	4,149
Appropriation Request	82,271	11,740	94,011
Reimbursements	0	0	0
Sub-total FH Construction	82,271	11,740	94,011
<u>FH Operations</u>			
Management	46,000	5,291	51,291
Services	11,191	1,664	12,855
Furnishings	13,946	3,511	17,457
Miscellaneous	364	0	364
Utilities	50,181	6,504	56,685
Maintenance	74,817	6,437	81,254
Leasing	53,863	826	54,689
Privatization	16,260	10,060	26,320
Appropriation Request	266,622	34,293	300,915
Reimbursements	16,000	1,645	17,645
Sub-total FH Operations	282,622	35,938	318,560
Total FY17 Budget Request	348,893	46,033	394,926

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DEPARTMENT OF THE NAVY
FH-11 Inventory and Condition of Government-Owned, Family Housing Units
WORLDWIDE
(Number of Dwelling Units in Inventory)
Fiscal Year 2017

	Number of Units - Worldwide						
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Beginning of FY Adequate Inventory Total	7,086	6,599	6,532	7,255	7,726	7,662	7,789
FCI of 90% to 100% (Good Condition)	4,569	4,664	4,777	3,881	4,033	4,040	4,151
FCI of 80% to 89% (Fair Condition)	2,517	1,935	1,755	3,374	3,693	3,622	3,638
Beginning of FY Inadequate Inventory Total	2,162	2,171	1,882	1,798	1,379	1,443	1,312
FCI of 60% to 79% (Poor Condition)	2,037	1,988	1,761	1,682	1,256	1,317	1,079
FCI of 59% and below (Failing Condition)	125	183	121	116	123	126	233
Beginning of FY Total Inventory	9,248	8,770	8,414	9,053	9,105	9,105	9,101
Percent Adequate - Beginning of FY Inventory	77%	75%	78%	80%	85%	84%	86%
Inadequate Inventory Reduced Through:	9	(289)	(84)	(419)	64	(131)	(625)
Construction (MILCON)	(44)	(28)	(36)	(225)	(170)	(127)	(397)
Maintenance & Repair (O&M)	(27)	(24)	(113)	(207)	(10)	(13)	(206)
Privatization	0	(72)	0	0	0	0	0
Demolition/Divestiture/Diversion/Conversion	(498)	(246)	(48)	(4)	0	(2)	(32)
Funded by Host Nation	0	0	0	0	0	0	0
Additional Inadequate Units Identified	578	81	113	17	244	11	10
Adequate Inventory Changes:	20	(38)	687	56	0	(2)	125
Privatization	0	(52)	0	0	0	0	0
Loss - Demo/Divestiture/Diversion/Conversion	(25)	(208)	(72)	(3)	0	(2)	(45)
Gain - Host Nation/Diversion/Conversion	45	222	759	59	0	0	170
End of FY Adequate Inventory Total	6,599	6,532	7,255	7,726	7,662	7,789	8,507
FCI of 90% to 100% (Good Condition)	4,664	4,777	3,881	4,033	4,040	4,151	4,150
FCI of 80% to 89% (Fair Condition)	1,935	1,755	3,374	3,693	3,622	3,638	4,357
End of FY Inadequate Inventory Total	2,171	1,882	1,798	1,379	1,443	1,312	687
FCI of 60% to 79% (Poor Condition)	1,988	1,761	1,682	1,256	1,317	1,079	533
FCI of 59% and below (Failing Condition)	183	121	116	123	126	233	154
End of FY Total Inventory	8,770	8,414	9,053	9,105	9,105	9,101	9,194
Percent Adequate - End of FY Inventory	75%	78%	80%	85%	84%	86%	93%
DoD Performance Goal - 90% of World-wide inventory at FCI of at least 80% (Good or Fair Condition)	90%	90%	90%	90%	90%	90%	90%

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DEPARTMENT OF THE NAVY, NAVY
FH-11 Inventory and Condition¹ of Government-Owned, Family Housing Units
WORLDWIDE
(Number of Dwelling Units in Inventory)
Fiscal Year 2017

	Number of Units - Worldwide						
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Beginning of FY Adequate Inventory Total	6,180	5,647	5,334	5,413	5,860	5,884	5,967
FCI of 90% to 100% (Good Condition)	3,919	3,924	3,809	2,245	2,373	2,488	2,627
FCI of 80% to 89% (Fair Condition)	2,261	1,723	1,525	3,168	3,487	3,396	3,340
Beginning of FY Inadequate Inventory Total	2,100	2,110	1,845	1,772	1,377	1,353	1,266
FCI of 60% to 79% (Poor Condition)	1,975	1,927	1,724	1,656	1,254	1,227	1,033
FCI of 59% and below (Failing Condition)	125	183	121	116	123	126	233
Beginning of FY Total Inventory	8,280	7,757	7,179	7,185	7,237	7,237	7,233
Percent Adequate - Beginning of FY Inventory	75%	73%	74%	75%	81%	81%	82%
Inadequate Inventory Reduced Through:	10	(265)	(73)	(395)	(24)	(87)	(581)
Construction (MILCON)	0	(4)	0	(201)	(126)	(83)	(353)
Maintenance & Repair (O&M)	(26)	(24)	(113)	(207)	(10)	(13)	(206)
Privatization	0	(72)	0	0	0	0	0
Demolition/Divestiture/Diversion/Conversion	(498)	(246)	(48)	(4)	0	(2)	(32)
Funded by Host Nation	0	0	0	0	0	0	0
Additional Inadequate Units Identified²	534	81	88	17	112	11	10
Adequate Inventory Changes:	(25)	(260)	54	56	0	(2)	125
Privatization	0	(52)	0	0	0	0	0
Loss - Demo/Divestiture/Diversion/Conversion	(25)	(208)	(72)	(3)	0	(2)	(45)
Gain - Host Nation/Diversion/Conversion	0	0	126	59	0	0	170
End of FY Adequate Inventory Total	5,647	5,334	5,413	5,860	5,884	5,967	6,641
FCI of 90% to 100% (Good Condition)	3,924	3,809	2,245	2,373	2,488	2,627	2,626
FCI of 80% to 89% (Fair Condition)	1,723	1,525	3,168	3,487	3,396	3,340	4,015
End of FY Inadequate Inventory Total	2,110	1,845	1,772	1,377	1,353	1,266	685
FCI of 60% to 79% (Poor Condition)	1,927	1,724	1,656	1,254	1,227	1,033	531
FCI of 59% and below (Failing Condition)	183	121	116	123	126	233	154
End of FY Total Inventory	7,757	7,179	7,185	7,237	7,237	7,233	7,326
Percent Adequate - End of FY Inventory	73%	74%	75%	81%	81%	82%	91%
DoD Performance Goal - 90% of World-wide inventory at FCI of at least 80% (Good or Fair Condition)	90%	90%	90%	90%	90%	90%	90%

NOTE:

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

2 - Condition Assessments are conducted on a rolling basis. As results are received, condition ratings are updated. This can result in homes previously identified as "Adequate" being re-rated as "Inadequate" and vice versa.

Explanation of Navy's Housing Investment Strategy

At current investment levels, the Navy maintains the PB17 target of achieving the OSD goal of 90% FCI >80 by 2021. This assumes the inclusion of USMC investment at NSA Andersen in Guam in FY 2021 and the positive impact it will have on the inventory at this location. From FY 2015 to FY 2021, the Navy will reduce its inadequate inventory by 67% (1,415 homes) by utilizing all available means. Additionally, the overall FH inventory is planned to decrease by 12% (954 homes) as the Navy continues to demolish and divest itself of excess, inadequate homes. It should be noted that, of the remaining 685 inadequate units by the end of FY 2021, 358 (including 138 with an FCI < 60%) are located at NSA Andersen in Guam with 273 planned for replacement in the FY22-23 timeframe, 232 are located at NS Guantanamo Bay in Cuba and a portion are planned for renovation in FY22, and 84 (including 16 with an FCI < 60%) located at CFA Sasebo in Japan that are planned for renovation in FY22.

DEPARTMENT OF THE NAVY, NAVY
FH-11 Inventory and Condition¹ of Government-Owned, Family Housing Units
UNITED STATES (CONUS plus Hawaii and Alaska)
(Number of Dwelling Units in Inventory)
Fiscal Year 2017

	Number of Units - U.S.						
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Beginning of FY Adequate Inventory Total	144	131	21	21	21	21	19
FCI of 90% to 100% (Good Condition)	25	25	18	18	18	16	15
FCI of 80% to 89% (Fair Condition)	119	106	3	3	3	5	4
Beginning of FY Inadequate Inventory Total	107	120	2	2	2	2	0
FCI of 60% to 79% (Poor Condition)	99	107	2	2	2	2	0
FCI of 59% and below (Failing Condition)	8	13	0	0	0	0	0
Beginning of FY Total Inventory	251	251	23	23	23	23	19
Percent Adequate - Beginning of FY Inventory	57%	52%	91%	91%	91%	91%	100%
Inadequate Inventory Reduced Through:	13	(118)	0	0	0	(2)	0
Construction (MILCON)		(4)					
Maintenance & Repair (O&M)							
Privatization		(72)					
Demolition/Divestiture/Diversion/Conversion		(42)				(2)	
Funded by Host Nation							
Additional Inadequate Units Identified	13						
Adequate Inventory Changes:	0	(114)	0	0	0	(2)	0
Privatization		(52)					
Loss - Demo/Divestiture/Diversion/Conversion		(62)				(2)	
Gain - Host Nation/Diversion/Conversion							
End of FY Adequate Inventory Total	131	21	21	21	21	19	19
FCI of 90% to 100% (Good Condition)	25	18	18	18	16	15	15
FCI of 80% to 89% (Fair Condition)	106	3	3	3	5	4	4
End of FY Inadequate Inventory Total	120	2	2	2	2	0	0
FCI of 60% to 79% (Poor Condition)	107	2	2	2	2	0	0
FCI of 59% and below (Failing Condition)	13	0	0	0	0	0	0
End of FY Total Inventory	251	23	23	23	23	19	19
Percent Adequate - End of FY Inventory	52%	91%	91%	91%	91%	100%	100%

NOTE:

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

DEPARTMENT OF THE NAVY, NAVY
FH-11 Inventory and Condition¹ of Government-Owned, Family Housing Units
FOREIGN (includes U.S. Territories)
(Number of Dwelling Units in Inventory)
Fiscal Year 2017

	Number of Units - Foreign						
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Beginning of FY Adequate Inventory Total	6,036	5,516	5,313	5,392	5,839	5,863	5,948
FCI of 90% to 100% (Good Condition)	3,894	3,899	3,791	2,227	2,355	2,472	2,612
FCI of 80% to 89% (Fair Condition)	2,142	1,617	1,522	3,165	3,484	3,391	3,336
Beginning of FY Inadequate Inventory Total	1,993	1,990	1,843	1,770	1,375	1,351	1,266
FCI of 60% to 79% (Poor Condition)	1,876	1,820	1,722	1,654	1,252	1,225	1,033
FCI of 59% and below (Failing Condition)	117	170	121	116	123	126	233
Beginning of FY Total Inventory	8,029	7,506	7,156	7,162	7,214	7,214	7,214
Percent Adequate - Beginning of FY Inventory	75%	73%	74%	75%	81%	81%	82%
Inadequate Inventory Reduced Through:	(3)	(147)	(73)	(395)	(24)	(85)	(581)
Construction (MILCON)				(201)	(126)	(83)	(353)
Maintenance & Repair (O&M)	(26)	(24)	(113)	(207)	(10)	(13)	(206)
Privatization							
Demolition/Divestiture/Diversion/Conversion	(498)	(204)	(48)	(4)			(32)
Funded by Host Nation							
Additional Inadequate Units Identified	521	81	88	17	112	11	10
Adequate Inventory Changes:	(25)	(146)	54	56	0	0	125
Privatization							
Loss - Demo/Divestiture/Diversion/Conversion	(25)	(146)	(72)	(3)			(45)
Gain - Host Nation/Diversion/Conversion			126	59			170
End of FY Adequate Inventory Total	5,516	5,313	5,392	5,839	5,863	5,948	6,622
FCI of 90% to 100% (Good Condition)	3,899	3,791	2,227	2,355	2,472	2,612	2,611
FCI of 80% to 89% (Fair Condition)	1,617	1,522	3,165	3,484	3,391	3,336	4,011
End of FY Inadequate Inventory Total	1,990	1,843	1,770	1,375	1,351	1,266	685
FCI of 60% to 79% (Poor Condition)	1,820	1,722	1,654	1,252	1,225	1,033	531
FCI of 59% and below (Failing Condition)	170	121	116	123	126	233	154
End of FY Total Inventory	7,506	7,156	7,162	7,214	7,214	7,214	7,307
Percent Adequate - End of FY Inventory	73%	74%	75%	81%	81%	82%	91%

NOTE:

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

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**Department of the Navy
Family Housing, Navy
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2015	8,280	2,100	
FY 2015 total traditional military construction (MILCON) projects to eliminate inadequate housing units			26
N/A; NSA Andersen, Guam (Maint/Major Repair)	920	324	26
FY 2015 total units privatized (no longer require FH O&M) to eliminate inadequate housing	0	0	0
FY 2015 total units demolished/divested or otherwise permanently removed from family housing inventory	(523)		498
NS Guantanamo Bay, Cuba (Divestiture)	(17)	263	14
NB Guam, Guam (Demolition - S. Finegayan)	(117)	295	117
NSA Andersen, Guam (Demolition - Capehart)	(95)	324	84
CFA Yokosuka, Japan (Divest - Negishi)	(284)	649	283
NAF Atsugi, Japan (Demolition)	(10)	75	0
2015 Condition Assessment Adjustment¹	0	(534)	0
Total Units at end of FY 2015	7,757	2,110	524

¹ Condition Assessment Adjustments are based on current year adequacy ratings, factoring in planned maintenance and a constant degradation factor. In FY 2015, projections indicate that the condition of 680 units in current inventory will shift from "adequate" to "inadequate." Condition Assessments are conducted on a rolling basis. As results are received, condition ratings are updated. This can result in homes previously identified as "Adequate" being re-rated as "Inadequate" and vice versa.

**Department of the Navy
Family Housing, Navy
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2016	7,757	2,110	
FY 2016 total traditional military construction (MILCON) projects to eliminate inadequate housing units			28
HW-16-02; SCSC Wallops Island, VA	20	4	4
H-238; SCSC Wallops Island, VA (Housing Service Center)	20	4	0
N/A; NS Guantanamo Bay, Cuba (Maint/Major Repair)	753	468	24
FY 2016 total units privatized (no longer require FH O&M) to eliminate inadequate housing	124	116	72
N/A; San Diego PH IV (Ventura, CA)	124	116	72
FY 2016 total units demolished/divested or otherwise permanently removed from family housing inventory	(454)		246
NB Ventura County, CA (Demolition)	(98)	116	42
Joint Base Bolling-Anacostia, DC (Divestiture)	(1)	0	0
SCSC Wallops Island, VA (Conversion - Skeeter Lane)	(5)	4	0
NB Guam, Guam (Divestiture - Apra Palms)	(146)	0	0
NB Guam, Guam (Demolition - S. Finegayan)	(116)	328	116
NB Guam, Guam (Demolition - Nimitz Hill)	(60)	328	60
CFA Yokosuka, Japan (Divest - Negishi)	(28)	264	28
2016 Condition Assessment Adjustment¹	0	(81)	
Total Units at end of FY 2016	7,179	1,845	346

¹ Condition Assessment Adjustments are based on current year adequacy ratings, factoring in planned maintenance and a constant degradation factor. In FY 2016, projections indicate that the condition of 81 units in current inventory will shift from "adequate" to "inadequate."

**Department of the Navy
Family Housing, Navy
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2017	7,179	1,845	
FY 2017 total traditional military construction (MILCON) projects to eliminate inadequate housing units			113
H-279; NSA Andersen, Guam (New Construction)	825	570	0
N/A; NS Guantanamo Bay, Cuba (Maint/Major Repair)	753	444	35
N/A; NB Guam, Guam (Maint/Major Repair)	929	152	22
N/A; NSA Andersen, Guam (Maint/Major Repair)	825	570	50
N/A; NAF Atsugi, Japan (Maint/Major Repair)	905	122	6
FY 2017 total units privatized (no longer require FH O&M) to eliminate inadequate housing			
FY 2017 total units demolished/divested or otherwise permanently removed from family housing inventory	6		48
NAF Atsugi, Japan (Demolition)	(120)	122	48
H-279; NSA Andersen, Guam (New Construction)	126	0	0
2017 Condition Assessment Adjustment¹	0	(88)	0
Total Units at end of FY 2017	7,185	1,772	161

¹ Condition Assessment Adjustments are based on current year adequacy ratings, factoring in planned maintenance and a constant degradation factor. In FY 2017, projections indicate that the condition of 82 units in current inventory will shift from "adequate" to "inadequate."

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DEPARTMENT OF THE NAVY, MARINE CORPS
FH-11 Inventory and Condition¹ of Government-Owned, Family Housing Units
WORLDWIDE
(Number of Dwelling Units in Inventory)
Fiscal Year 2017

	Number of Units - Worldwide						
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Beginning of FY Adequate Inventory Total	906	952	1,198	1,842	1,866	1,778	1,822
FCI of 90% to 100% (Good Condition)	650	740	968	1,636	1,660	1,552	1,524
FCI of 80% to 89% (Fair Condition)	256	212	230	206	206	226	298
Beginning of FY Inadequate Inventory Total	62	61	37	26	2	90	46
FCI of 60% to 79% (Poor Condition)	62	61	37	26	2	90	46
FCI of 59% and below (Failing Condition)	0	0	0	0	0	0	0
Beginning of FY Total Inventory	968	1,013	1,235	1,868	1,868	1,868	1,868
Percent Adequate - Beginning of FY Inventory	94%	94%	97%	99%	100%	95%	98%
Inadequate Inventory Reduced Through:	1	24	11	24	(88)	44	44
Construction (MILCON)	44	24	36	24	44	44	44
Maintenance & Repair (O&M)	1	0	0	0	0	0	0
Privatization	0	0	0	0	0	0	0
Demolition/Divestiture/Diversion/Conversion	0	0	0	0	0	0	0
Funded by Host Nation	0	0	0	0	0	0	0
Additional Inadequate Units Identified	(44)	0	(25)	0	(132)	0	0
Adequate Inventory Changes:	1	222	608	0	(132)	0	0
Privatization	0	0	0	0	0	0	0
Demolition/Divestiture/Diversion/Conversion	0	0	0	0	0	0	0
New Construction	45	222	633	0	0	0	0
Additional Inadequate Units Identified	(44)	0	(25)	0	(132)	0	0
End of FY Adequate Inventory Total	952	1,198	1,842	1,866	1,778	1,822	1,866
FCI of 90% to 100% (Good Condition)	740	968	1,636	1,660	1,552	1,524	1,524
FCI of 80% to 89% (Fair Condition)	212	230	206	206	226	298	342
End of FY Inadequate Inventory Total	61	37	26	2	90	46	2
FCI of 60% to 79% (Poor Condition)	61	37	26	2	90	46	2
FCI of 59% and below (Failing Condition)	0	0	0	0	0	0	0
End of FY Total Inventory	1,013	1,235	1,868	1,868	1,868	1,868	1,868
Percent Adequate - End of FY Inventory	94%	97%	99%	100%	95%	98%	100%
DoD Performance Goal - 90% of World-wide inventory at FCI of at least 80% (Good or Fair Condition)	90%	90%	90%	90%	90%	90%	90%

NOTE:

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

Explanation of Marine Corps' Housing Investment Strategy

DoD Performance Goal of maintaining at least 90% of world-wide inventory at FCI of at least 80% (good or fair condition) was met starting in FY 2014. The Marine Corps will continue to meet the 90% goal for government owned units through FY 2021.

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-11 Inventory and Condition¹ of Government-Owned, Family Housing Units
UNITED STATES (CONUS plus Hawaii and Alaska)
(Number of Dwelling Units in Inventory)
Fiscal Year 2017

	Number of Units - U.S.						
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Beginning of FY Adequate Inventory Total	79	80	80	80	80	80	80
FCI of 90% to 100% (Good Condition)	75	76	76	76	76	2	2
FCI of 80% to 89% (Fair Condition)	4	4	4	4	4	78	78
Beginning of FY Inadequate Inventory Total	1	0	0	0	0	-	-
FCI of 60% to 79% (Poor Condition)	1	0	0	0	0	0	0
FCI of 59% and below (Failing Condition)	0	0	0	0	0	0	0
Beginning of FY Total Inventory	80	80	80	80	80	80	80
Percent Adequate - Beginning of FY Inventory	99%	100%	100%	100%	100%	100%	100%
Inadequate Inventory Reduced Through:	1	0	0	0	0	0	0
Construction (MILCON)							
Maintenance & Repair (O&M)	1						
Privatization							
Demolition/Divestiture/Diversion/Conversion							
Funded by Host Nation							
Additional Inadequate Units Identified							
Adequate Inventory Changes:	0	0	0	0	0	0	0
Privatization							
Demolition/Divestiture/Diversion/Conversion							
New Construction							
Additional Inadequate Units Identified							
End of FY Adequate Inventory Total	80	80	80	80	80	80	80
FCI of 90% to 100% (Good Condition)	76	76	76	76	2	2	2
FCI of 80% to 89% (Fair Condition)	4	4	4	4	78	78	78
End of FY Inadequate Inventory Total	0	0	0	0	-	-	-
FCI of 60% to 79% (Poor Condition)	0	0	0	0	0	0	0
FCI of 59% and below (Failing Condition)	0	0	0	0	0	0	0
End of FY Total Inventory	80	80	80	80	80	80	80
Percent Adequate - End of FY Inventory	100%	100%	100%	100%	100%	100%	100%

NOTE:

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-11 Inventory and Condition¹ of Government-Owned, Family Housing Units
FOREIGN (includes U.S. Territories)
(Number of Dwelling Units in Inventory)
Fiscal Year 2017

	Number of Units - Foreign						
	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Beginning of FY Adequate Inventory Total	827	872	1,118	1,762	1,786	1,698	1,742
FCI of 90% to 100% (Good Condition)	575	664	892	1,560	1,584	1,550	1,522
FCI of 80% to 89% (Fair Condition)	252	208	226	202	202	148	220
Beginning of FY Inadequate Inventory Total	61	61	37	26	2	90	46
FCI of 60% to 79% (Poor Condition)	61	61	37	26	2	90	46
FCI of 59% and below (Failing Condition)	0	0	0	0	0	0	0
Beginning of FY Total Inventory	888	933	1,155	1,788	1,788	1,788	1,788
Percent Adequate - Beginning of FY Inventory	93%	93%	97%	99%	100%	95%	97%
Inadequate Inventory Reduced Through:	0	24	11	24	(88)	44	44
Construction (MILCON)	44	24	36	24	44	44	44
Maintenance & Repair (O&M)							
Privatization							
Demolition/Divestiture/Diversion/Conversion							
Funded by Host Nation							
Additional Inadequate Units Identified	(44)	0	(25)	0	(132)	0	0
Adequate Inventory Changes:	1	222	608	0	(132)	0	0
Privatization							
Demolition/Divestiture/Diversion/Conversion							
New Construction	45	222	633				
Additional Inadequate Units Identified	(44)	0	(25)	0	(132)	0	0
End of FY Adequate Inventory Total	872	1,118	1,762	1,786	1,698	1,742	1,786
FCI of 90% to 100% (Good Condition)	664	892	1,560	1,584	1,550	1,522	1,522
FCI of 80% to 89% (Fair Condition)	208	226	202	202	148	220	264
End of FY Inadequate Inventory Total	61	37	26	2	90	46	2
FCI of 60% to 79% (Poor Condition)	61	37	26	2	90	46	2
FCI of 59% and below (Failing Condition)	0	0	0	0	0	0	0
End of FY Total Inventory	933	1,155	1,788	1,788	1,788	1,788	1,788
Percent Adequate - End of FY Inventory	93%	97%	99%	100%	95%	97%	100%

NOTE:

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

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**Department of the Navy
Family Housing, Marine Corps
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2015	968	62	
FY 2015 total traditional military construction (Milcon) projects to eliminate inadequate housing units	893	62	45
IW-H-1502-R2, MCAS Iwakuni, JA	888	61	44
EI-H-1501-M2, MBW Washington, DC	5	1	1
FY 2015 total units privatized (no longer require FH O&M) to eliminate inadequate housing	0	0	0
FY 2015 total units demolished/divested or otherwise permanently removed from family housing inventory	0	0	0
Other Inventory Gains/Losses¹	45	0	0
2015 Condition Assessment Adjustment²		44	
Total Units at end of FY 2015	1,013	61	45

¹ Other Inventory Gains/Losses includes the addition of 45 new units being constructed by the Government of Japan in Iwakuni in support of Global Restationing.

² The Marine Corps conducts forward-looking assessments to project the requirement for improvements. These requirements are used to ensure adequate funding is available to prevent excessive units from becoming inadequate. Additional homes with a facility condition index below 80% (poor/failing condition) are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date. In 2015, 44 additional inadequate units were forecasted based on 50-year life-cycle funding profile.

**Department of the Navy
Family Housing, Marine Corps
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2016	1,013	61	
FY 2016 total traditional military construction (Milcon) projects to eliminate inadequate housing units	933	61	24
IW-H-0702-R2 & IW-H-1402-R2 (FY14); MCAS Iwakuni, JA ¹	933	61	24
FY 2016 total units privatized (no longer require FH O&M) to eliminate inadequate housing	0	0	0
FY 2016 total units demolished/divested or otherwise permanently removed from family housing inventory	0	0	0
Other Inventory Gains/Losses²	222	0	0
2016 Condition Assessment Adjustment³		0	
Total Units at end of FY 2016	1,235	37	24

¹ FY14 Improvement project delayed until FY16.

² Other Inventory Gains/Losses includes the addition of 222 new units being constructed by the Government of Japan in Iwakuni in support of Global Restationing.

³ The Marine Corps conducts forward-looking assessments to project the requirement for improvements. These requirements are used to ensure adequate funding is available to prevent excessive units from becoming inadequate. Additional homes with a facility condition index below 80% (poor/failing condition) are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date.

**Department of the Navy
Family Housing, Marine Corps
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2017	1,235	37	
FY 2016 total traditional military construction (Milcon) projects to eliminate inadequate housing units	1,155	37	36
IW-H-1701-R2; MCAS Iwakuni, JA	1,155	37	36
FY 2016 total units privatized (no longer require FH O&M) to eliminate inadequate housing	0	0	0
FY 2016 total units demolished/divested or otherwise permanently removed from family housing inventory	0	0	0
Other Inventory Gains/Losses¹	633	0	0
2016 Condition Assessment Adjustment¹		25	
Total Units at end of FY 2017	1,868	26	36

¹ Other Inventory Gains/Losses includes the addition of 633 new units being constructed by the Government of Japan in Iwakuni in support of Global Restationing.

² The Marine Corps conducts forward-looking assessments to project the requirement for improvements. These requirements are used to ensure adequate funding is available to prevent excessive units from becoming inadequate. Additional homes with a facility condition index below 80% (poor/failing condition) are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
LEGISLATIVE LANGUAGE

Family Housing Construction, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for construction, including acquisition, replacement, addition, expansion, and extension and alteration, as authorized by law, [\$16,541,000] \$94,011,000 to remain available until September 30, [2020] 2021.

Family Housing Operations and Maintenance, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for operation and maintenance, including debt payment, leasing, and minor construction as authorized by law, [\$353,036,000] \$300,915,000.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING

(\$000)

FY 2017 Budget Request \$ 78,815
FY 2016 Program Budget \$ 438

Purpose and Scope

This program provides for land acquisition, site preparation, acquisition and construction, and initial outfitting with fixtures and integral equipment of new and replacement family housing units and associated facilities such as roads, driveways, walks, and utility systems.

Program Summary

Authorization is requested for:

- (1) Construction of new housing at Naval Support Activity Andersen, Guam; and,
- (2) Appropriation of \$78,815 to fund this construction program.

<u>Activity</u>	<u>Mission</u>	<u>No. of Homes</u>	<u>Amount</u>
NSA Andersen, Guam	Current	<u>126</u>	<u>\$ 78,815</u>
Total		126	\$ 78,815

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROJECT DATA							2. Date 15 JAN 2016		
3. Installation and Location ANDERSEN NAVAL SUPPORT ACTIVITY GUAM, GUAM				4. Command CNIC			5. Area Const. Cost Index 2.31			
6. Personnel	PERMANENT			STUDENTS			SUPPORT			TOTAL
Strength:	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 09/30/15	149	2021	0	0	0	0	0	0	0	2,170
b. End FY 2020	149	2021	0	0	0	0	0	0	0	2,170
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE (237 Acres)										
b. INVENTORY TOTAL AS OF 30 Sep 15										673,170
c. AUTHORIZATION NOT YET IN INVENTORY										0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM										78,815
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										42,891
f. PLANNED IN NEXT THREE PROGRAM YEARS										221,658
g. REMAINING DEFICIENCY										491,860
h. GRAND TOTAL										1,508,394
8. Projects Requested In This Program:										
Category				Cost		Design Status				
<u>Code</u>	<u>Project Title</u>	<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>					
711	Replace Andersen Housing Phase I	126	78,815	Turnkey						
9. Future Projects:										
a. Included in the following program						59 Replacement Homes				
b. Major planned next three years						312 Replacement Homes				
c. Family housing revitalization backlog (replacement, improvements, major repairs)						\$0 M				
10. Mission or Major Functions:										
As the host unit at Naval Support Activity Andersen (Joint Region Marianas), Guam, the 36th Wing has an expansive mission that relies on the Team Andersen concept to provide the highest quality peacetime and wartime support to project global power and reach from our vital location in the Pacific. Andersen is home to the 36th Wing, Air Mobility Command's 734th Air Mobility Support Squadron, Naval unit Helicopter Sea Combat Squadron Twenty Five (HSC-25) and several other tenant organizations. NSA Andersen will also support elements of III Marine Expeditionary Force (1st Marine Aircraft Wing units).										

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROJECT DATA	2. Date 15 JAN 2016
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3. Installation and Location: N41557 NAVAL SUPPORT ACTIVITY ANDERSEN, GUAM	4. Project Title REPLACE ANDERSEN HOUSING PH I
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5. Program Element 0808741N	6. Category Code 711	7. Project Number H-279	8. Project Cost (\$000) AUTH: \$78,815 APPR: \$78,815
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9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost(\$000)
Family Housing:	FA	126	398,698	50,236
Buildings	GSM	19,806	2,536	(50,236)
Supporting Costs:				20,444
Lot Costs				(1,834)
Site Improvements				(2,723)
Utility Mains				(7,451)
Streets				(1,808)
Landscaping				(1,176)
Recreation				(553)
Environmental				(4,507)
Demolition				(0)
Other Site Work				(392)
Land Purchase				(0)
Subtotal				70,680
Contingency (5%)				3,534
Total Contract Cost				74,214
SIOH (6.2%)				4,601
Project Cost				78,815

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project proposes to construct 63 one-story duplex buildings (126 housing units total) of reinforced concrete and/or pre-cast reinforced concrete typhoon shelter/housing structures. The 63 new duplex buildings replace an equivalent number (of old housing units to be demolished) with 100 three-bedroom and 26 four-bedroom family housing units. The new housing units are to be designed vent-less and using hot humid design principles that apply to the Guam environment. These housing unit structures are to be built with reinforced concrete foundations, concrete floors, concrete walls, and concrete sloped roofs designed for 170 mph wind speed, exposure D, to withstand Guam's frequent typhoons. The structures will also be constructed for Zone 4 seismic conditions. As a safety issue, service members and their families will take shelter in these housing units during typhoons.

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROJECT DATA		2. Date 15 JAN 2016
3. Installation and Location: N41557 NAVAL SUPPORT ACTIVITY ANDERSEN, GUAM		4. Project Title REPLACE ANDERSEN HOUSING PH I	
5. Program Element 0808741N	6. Category Code 711	7. Project Number H-279	6. Category Code 711

Other safety and health design issues that will be addressed in this project are as follows: A mechanical radon mitigation system which will comply with Environmental Protection Agency (EPA) & Navy Radon Assessment Mitigation Program (NAVRAMP) standards will be provided in each housing unit. Separate emergency generator hook-up for frequent and long periods of electrical outages caused by high winds, power outages and typhoons will be provided. This project's housing units shall be EPA certified Energy Star. The project will may require chlordane abatement pending final results of soil testing. The new duplexes will provide a significant upgrade in architectural appearance and functionality over the old housing units and will adhere to the density as described in the NSA Andersen Military Family Housing Master Plan (AJJY 14-4018).

Exterior Building Features: One car garage with corrosion resistant door opener; concrete driveway/parking; covered screened patio with storm shutters; exterior storage; entrance porch; courtyard with privacy fencing; trash enclosure with gate and trash container tie down ring; 170 mph wind speed exposure D rated garage door, exterior doors, windows, and hinged colonial style storm shutters with polycarbonate protective back sheets; wall coatings that are mildew resistant and self-cleaning; roofing elastomeric membrane system that is mold resistant and self-cleaning; incoming telephone, cable and electrical services to building shall be protected in an exterior closet; mechanical exterior equipment shall be surrounded by solid screen wall and solid gate; exterior envelope of the housing unit to have continuous vapor barrier that goes under slabs on grade, around footings, exterior walls and soffits.

Interior Building Features: Certified Energy Star housing, Energy Star rated appliances; energy efficient air conditioning supplemented by dehumidifier; low-flow plumbing fixtures; generator hook-up connection and separate emergency electrical system; fire protection; telephone and internet outlets; cable TV pull boxes; corrosion resistant energy efficient light fixtures; ceiling fans; minimum ceiling height 9'0"; emergency back-up lighting in living/dining areas, hallways, bedrooms and kitchen; ceramic tile flooring; paperless drywall to prevent mold growth; interior spray-on foam insulation for walls and under the roof concrete slab; vertical blinds shall be used on all windows.

Site work shall include the installation of underground utilities for water, storm, sewer, power, cable TV, telephone and streetlights. Pad mounted transformers will be stainless steel and have decorative solid concrete enclosures with solid security gates. There will be minimum grading of the sites with roof downspouts connected to the storm drainage system. The project site shall be landscaped upon completion of

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROJECT DATA			2. Date 15 JAN 2016
3. Installation and Location: N41557 NAVAL SUPPORT ACTIVITY ANDERSEN, GUAM		4. Project Title REPLACE ANDERSEN HOUSING PH I		
5. Program Element 0808741N	6. Category Code 711	7. Project Number H-279	6. Category Code 711	

work and tot lots shall be provided. Provide grading, roads, driveways, sidewalks, curbs, gutters, ramps, street lights, and signage. Construct one bus shelter. Environmental mitigation will include natural and cultural resource mitigation, which includes Section 106 requirements and archaeological monitoring, and removal and disposal of unexploded ordnance and munitions and explosives of concern.

Paygrade	Bedrooms	NSF	GSF	GSM	Project Factor	Cost Per GSM	No. Units	(\$000) Total
E1-E6	3	1,315	1,630	151	2.310	\$1,098	100	38,299
E1-E6	4	1,573	1,950	181	2.310	\$1,098	26	11,936
Total Project Size:		172,398	213,700	19,806			126	50,236

11. REQUIREMENT

PROJECT:

This project proposes to construct one hundred twenty-six (126) three and four-bedroom family housing units for enlisted families at NSA Andersen. (Current Mission)

REQUIREMENT:

Adequate and permanent housing facilities are required to support accompanied junior enlisted personnel and their families in Guam. The initial construction of 63 one-story duplex buildings (126 units total) at NSA Andersen is the first of eleven phases planned to significantly upgrade the quality of family housing units available for occupancy and will bring the housing units up to acceptable standards. In addition, service members and their families will take shelter in these housing units during strong typhoons. Mechanical radon mitigation systems which will comply EPA and NAVRAMP standards will be provided in each housing unit. Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate. Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROJECT DATA			2. Date 15 JAN 2016
3. Installation and Location: N41557 NAVAL SUPPORT ACTIVITY ANDERSEN, GUAM			4. Project Title REPLACE ANDERSEN HOUSING PH I	
5. Program Element 0808741N	6. Category Code 711	7. Project Number H-279	6. Category Code 711	

CURRENT SITUATION:

By the end of FY16, NSA Andersen is projected to have 825 homes, of which over two thirds will be considered inadequate. All of the existing housing was constructed in the 1960s and is outdated and undersized based on current standards.

IMPACT IF NOT PROVIDED:

Failure to execute the project will deprive Navy Housing of 63 one-story duplex buildings (126 units total) for occupancy by active military personnel and their families. Military personnel will be forced to choose between involuntary separation from their families or accepting housing that is unsuitable for occupancy. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention of quality personnel will be adversely affected.

12. SUPPLEMENTAL

A. Estimated Design Data:

1. Status:

(A) Design Start Date	APR 2015
(B) Percent Complete as of January 2016	35%
(C) Date 35% Designed	JAN 2016
(D) Date Design Complete	MAR 2017
(E) Parametric Cost Estimating Used to Develop Costs	NO
(F) Type of Design Contract:	DBB

2. Basis:

(A) Standard or Definitive Design:	NO
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3. Total Design Cost (C) = (a)+(b) OR (d)+(e):

(A) Production of Plans and Specifications	(\$000) 1,315
(B) All Other Design Costs	1,972
(C) Total Design Cost	3,287
(D) Contract	2,739
(E) In-House	548

4. Construction Contract Award MAY 2017
5. Construction Start SEP 2017
6. Construction Complete DEC 2019

1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROJECT DATA		2. Date 15 JAN 2016
3. Installation and Location: N41557 NAVAL SUPPORT ACTIVITY ANDERSEN, GUAM		4. Project Title REPLACE ANDERSEN HOUSING PH I	
5. Program Element 0808741N	6. Category Code 711	7. Project Number H-279	6. Category Code 711
<p data-bbox="138 443 1065 499">B. Equipment associated with this project will be provided from other appropriations: N/A</p> <p data-bbox="61 533 440 558">JOINT USE CERTIFICATION:</p> <p data-bbox="82 592 941 621">Not required for family housing construction projects.</p> <p data-bbox="77 711 1065 741">Activity POC: Project Development Lead Phone No: 671-349-1356</p>			

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MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 150909	2. FISCAL YEAR 2017	REPORT CONTROL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION							
5. DATA AS OF MARCH 2015		a. NAME GUAM NSA ANDERSEN PD				b. LOCATION GUAM			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (FY2015)				PROJECTED (FY2020)				
	OFFICER (a)	E9-E7 (b)	E6-E1 (c)	Total (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	Total (h)	
6. TOTAL PERSONNEL STRENGTH	149	229	1792	2170	149	229	1792	2170	
7. PERMANENT PARTY PERSONNEL	149	229	1792	2170	149	229	1792	2170	
8. GROSS FAMILY HOUSING REQUIREMENTS	104	193	957	1254	104	193	957	1254	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	27	235	262					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLY HOUSED IN COMMUNITY	0	27	235	262					
10. VOLUNTARY SEPARATIONS	4	15	70	89	4	15	70	89	
11. EFFECTIVE HOUSING REQUIREMENTS	100	178	887	1165	100	178	887	1165	
12. ADEQUATE ASSETS (a + b)	248	209	918	1375	102	183	644	929	
a. UNDER MILITARY CONTROL	233	177	805	1215	75	136	496	707	
(1) Housed in Existing DOD Owned/Controlled	156	119	539	814	75	136	496	707	
(2) Under Contract/Approved					0	0	0	0	
(3) Vacant	77	58	266	401					
(4) Inactive	0	0	0	0					
b. PRIVATE HOUSING	15	32	113	160	27	47	148	222	
(1) Acceptably Housed	15	32	113	160					
(2) Vacant Rental Housing									
13. EFFECTIVE HOUSING DEFICIT (11-12)	-148	-31	-31	-210	-2	-5	243	236	
14. PROPOSED PROJECT					0	0	0	0	
15. REMARKS:									
<p>Programming decisions are to be based on projected data line 13 columns (e) through (h) only.</p> <p>Line 12.a. columns (a) through (d) is based on official end FY 2014 I&U.</p> <p>Line 12.a. columns (e) through (h) reflects ongoing efforts to demolish excess and inadequate housing. Projects have been funded in FY13, FY14, & FY15 and will continue in the future as efforts to recapitalize all housing at this installation continue.</p> <p>Line 12.b. PRIVATE HOUSING data is based on the results of the COMNAVBASE Guam Housing Requirements Market Analysis dated 13 OCT 2011 as updated for base loading.</p> <p>Line 13 does not reflect potential additional requirement to provide housing for Marines relocated to Guam. The requirement to provide housing for additional Marine forces may significantly reduce the surplus or create a deficit.</p>									

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
CONSTRUCTION IMPROVEMENTS

(\$000)

FY 2017 Budget Request	\$ 11,047
FY 2016 Program Budget	\$ 11,515

Purpose and Scope

This program provides for improvements and/or major repairs to revitalize Department of the Navy (DON) family housing and the supporting neighborhood sites and facilities. This program is the primary vehicle for the DON to ensure that the aging inventory of homes is kept suitable for occupancy; as such, this program has a major role in maintaining a high quality of life for Navy and Marine Corps families. This program funds projects that will increase the useful life and livability of homes and neighborhoods, bring them up to Department of Defense standards, and make them more energy efficient and economical to maintain.

Program Summary

The DON will continue its emphasis on revitalization through whole-house projects, which will accomplish all required improvements and repairs at one time. Within this budget estimate, a separate DD 1391 is included for each project funded within this account.

Authorization is requested for:

- (1) Various improvements and/or major repairs to revitalize existing family housing; and
- (2) Appropriation of \$11,047,000 (\$0 for the Navy and \$11,047,000 for the Marine Corps) to fund these revitalization projects.

1. Component DON	FY 2017 MILITARY CONSTRUCTION PROJECT DATA		2. Date 15 JAN 2016
3. Installation and Location: MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES		4. Project Title FAMILY HOUSING CONSTRUCTION IMPROVEMENTS	
5. Program Element 0808742N	6. Category Code 711	7. Project Number VARIOUS	8. Project Cost (\$000) AUTH: \$11,047 APPR: \$11,047

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost (\$000)
AUTHORIZATION REQUEST	L/S	---	---	11,047
TOTAL REQUEST				11,047

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provides for the revitalization of family housing and neighborhood support facilities and infrastructure. Revitalization consists of alterations, additions, expansions, modernization, and major repairs. Typical work includes the revitalization of kitchens and bathrooms; upgrades and repairs to structural, electrical, and mechanical systems; repairs/replacements involving utility systems, streets and side walks, and other infrastructure; removal of hazardous materials; and enhancements to neighborhood support systems including landscaping and recreation.

11. REQUIREMENT: Major investments to the Department of the Navy's family housing inventory are needed to achieve current DoD standards, extend the life of the homes by arresting and correcting deterioration, reduce maintenance and utility expenses, make the homes and surrounding neighborhoods quality places to live.

IMPACT IF NOT PROVIDED: The Department of the Navy will have family housing inventory and supporting infrastructure which fall below Department of Defense and Navy standards for quality housing, creating a negative and adverse impact on the families who live in our homes. The Department of the Navy will not be able to reduce maintenance and utility costs and meet DOD standards in a more cost-effective approach than replacing the existing homes and neighborhoods.

1. COMPONENT MARINE CORPS	FY 2017 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 JAN 2016
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE CONSTRUCTION IMPROVEMENTS	5. PROJECT NUMBER VARIOUS	
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>OUTSIDE THE UNITED STATES</u>		
<u>JAPAN</u>		
MCAS Iwakuni (IW-H-1701-R2)	11,047	
<p>This project revitalizes 36 officer family housing units located in the North Side Housing Area at MCAS Iwakuni, Japan. Sustainment work includes: Exterior painting; repairing and painting/tiling all interior walls and ceilings; repairing cracked/broken concrete sub-base. Replacing: deteriorated roofing and flashing; the metal roof, drains and gutters or the enclosed service court; disfigured window and door screens; all interior doors and hardware; closet shelving; kitchen and bathroom cabinets, fixtures and hardware, range hoods, garbage disposals; all vinyl composition tile and sheet vinyl materials; all sewage/domestic drain piping, cold and hot water piping, heating and cooling piping, sewage/domestic vent piping and associated hardware such as gauges, valves and monitoring equipment; all lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; and TV, Telephone and Internet Access receptacles and wiring; exterior lighting fixtures and switches.</p>		
<p>Modernization work includes: Installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring. (See Separate DD Form 1391).</p>		
<p>An economic analysis has been prepared comparing the alternatives of replacement, improvement, direct compensation and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the only viable alternative to satisfy the requirement. The initial cost to improve these units is 35% of the replacement cost, does not exceed the 70% replacement cost threshold. The life-cycle costs for revitalization is 69% of the life-cycle costs for replacement. In addition, these facilities, built by the Government of Japan (GOJ), will only be 24 to 25 years old when the project is awarded. Since GOJ will not replace it before its' 60-year life expectancy, replacement is not a viable alternative. This project is not eligible for Host Nation Funding. Sustainable principles will be integrated into the development, design and construction of this project in accordance with Executive Order 13123 and other applicable laws and executive orders. This project is not located within the 100-year floodplain.</p>		

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1. Component MARINE CORPS	FY 2017 MILITARY CONSTRUCTION PROJECT DATA			2. Date 15 JAN 2016
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION NORTH SIDE TOWNHOUSES PHASE 2		
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1701-R2	8. Project Cost (\$000) \$11,047	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
Family Housing Improvement	EA	36	307	11047
Yen Exchange Rate ¥122.4519/\$1 Area Cost Factor 1.71				
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
<p>This project revitalizes 36 officer family housing units located in the North Side Housing Area at MCAS Iwakuni, Japan. Sustainment work includes: Exterior painting; repairing and painting/tiling all interior walls and ceilings; repairing cracked/broken concrete sub-base. Replacing: deteriorated roofing and flashing; the metal roof, drains and gutters or the enclosed service court; disfigured window and door screens; all interior doors and hardware; closet shelving; kitchen and bathroom cabinets, fixtures and hardware, range hoods, garbage disposals; all vinyl composition tile and sheet vinyl materials; all sewage/domestic drain piping, cold and hot water piping, heating and cooling piping, sewage/domestic vent piping and associated hardware such as gauges, valves and monitoring equipment; all lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; and TV, Telephone and Internet Access receptacles and wiring; exterior lighting fixtures and switches.</p> <p>Modernization work includes: Installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring.</p>				
11. REQUIREMENT				
<u>PROJECT:</u>				
This project will renovate 36 officer family housing units in the Northside Townhouse Housing Area, Marine Corps Air Station Iwakuni, Japan.				
<u>REQUIREMENT:</u>				
The Phase 2 Northside officer family homes consist of 24 company grade four-bedroom units and 12 field grade four-bedroom units. Repair of the existing facility is required to correct life safety and building code deficiencies and replace deteriorated and old/outdated equipment and fixtures, modernize the interior design and enhance the quality of the facilities for the current generation of tenants, and extend the useful life of this facility another 20+ years.				
<u>CURRENT SITUATION:</u>				
Constructed in 1992 and 1993, the Northside officer family housing units are showing their age and require extensive repairs to continue providing comfortable living quarters to its overseas tenants. When this project is				

1. Component MARINE CORPS	FY 2017 MILITARY CONSTRUCTION PROJECT DATA		2. Date 15 JAN 2016
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION NORTH SIDE TOWNHOUSES PHASE 2	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1701-R2	8. Project Cost (\$000) \$11,047

CURRENT SITUATION (continued):

awarded, the facilities will be 24 to 25 years into their 60-year life expectancy. To date, the only major improvements within these facilities is Government of Japan (GOJ) Central Heating and Cooling System project that was completed in December 2005. No other major improvements or repairs have been completed since the original construction of the units. Most of the built-in furnishings, fixtures, hardware, piping flooring and other items in the facility are either damaged or deteriorated beyond the point of being economically repaired and are in need of replacement.

The Architectural requirements of this project are as follows:

- The roof of each facility must be replaced since they have deteriorated beyond economical repair. The life expectancy of similar roofing systems is estimated at 10 years.
- The exteriors must be repainted at the time of this project, as it will be approximately 14 years since they were last painted. Ten years is the normal life expectancy of the exterior paint in this seaside and industrial environment. The paint has rapidly deteriorated and is peeling, fading and cracking.
- The misshapen and torn window and door screens must be replaced.
- All the interior doors and associated hardware, including closet doors and shelving show considerable damage over the past 23 to 24 years of frequent turnover and must be repaired and repainted.
- The interior must be completely repainted after the damaged and unsightly walls and ceilings are repaired and replaced with new wall tile and other surface materials. The new interior wall and ceiling surfaces will help create a new and rejuvenated environment that will greatly appeal to the tenants.
- The flooring materials in all areas of the buildings must be removed and replaced after 23 to 24 years of severe wear. Much of the existing flooring is cracked or broken, deteriorated or worn out, and stained and spotted. The cracked concrete sub-surface must also be repaired. Color enhancing materials must be used to rejuvenate the appearance of the facilities and create a warm and inviting living environment.
- The substandard and outdated kitchen and bathroom cabinets must be replaced due to 24 to 25 years of heavy usage and already undergo continual repairs. Due to their age, it is also more difficult to find matching replacement parts for built-in furnishings. The existing kitchen counter-tops are made of stainless steel and severely scarred from frequent use of cutting utensils. Extensive permanent rust stains are also common. The range hoods must be replaced, as they no longer adequately or effectively exhaust the air from the cooking area. The bathroom vanities and sinks are too small for modern toiletry essentials and must be replaced with more practical fixtures.

The Mechanical requirements of this facility are as follows:

1. Component MARINE CORPS	FY 2017 MILITARY CONSTRUCTION PROJECT DATA			2. Date 15 JAN 2016
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JA IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION NORTH SIDE TOWNHOUSES PHASE 2		
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1701-R2	8. Project Cost (\$000) \$11,047	
<u>CURRENT SITUATION (continued):</u>				
<ul style="list-style-type: none"> ▪ The roof top scuppers and drains must be replaced, as they are severely corroded and no longer function properly. ▪ The exhaust and ventilation systems located in both the kitchen and bathroom areas must be replaced, as they are no longer effectively recycle air at the required volume. ▪ The existing toilet fixtures, bathtubs, showers, lavatories and kitchen sinks have not been replaced since the facilities were constructed in 1992/1993 and have exceeded their life expectancy. They are inefficient and in frequent need of repair. ▪ All sewage and domestic drain piping, cold and hot water piping, heating and cooling piping, sewage and domestic vent piping must be replaced. Frequent service calls to unclog drains and stop leaks indicate that the existing piping throughout the facilities are extremely corroded and deteriorating rapidly. The expected durable life of such piping is normally between 14 and 18 years. 				
The Electrical requirements of this facility are as follows:				
<ul style="list-style-type: none"> ▪ The existing electrical outlets and wiring must be replaced to meet today's equipment needs. The current kitchen and bathroom outlets lack Ground Fault protection and do not meet the current Electrical Safety Code. ▪ The existing circuit breakers undersized for building service needs. ▪ Electrical outlets coverage is insufficient to meet current Electrical Codes. Power strips and extension cords are often used, creating a safety hazard. ▪ Many areas within the individual housing units have no lighting provided. In areas where fixed lighting is provided, the lighting levels do not meet illumination standards. Existing light fixtures must be replaced with energy efficient fixtures. ▪ The existing TV, telephone and internet access receptacles and wiring must be replaced since the current configuration does not provide adequate service or capacity to all the required areas of the facility. ▪ Additional TV, telephone and internet access receptacles and wiring is required to meet the current and future demand of family appliances and personal computer devices. 				
<u>IMPACT IF NOT PROVIDED:</u>				
<p>If this project is not provided, family housing units will continue to fall short of DoD construction standards. Military personnel and their families will continue to live in an old facility that does not meet current safety code requirements and contains deteriorated or damaged furnishings and equipment that require continuous repair. The Air Station's Housing Division will continue to perform minor maintenance while furnishings, equipment and building problems continue to escalate. Quality of life and comfort of living standards will continue to degrade and compromise the Air Station's vision as the "Assignment of Choice."</p>				

1. Component MARINE CORPS	FY 2017 MILITARY CONSTRUCTION PROJECT DATA			2. Date 15 JAN 2016
3. Installation and Location MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION NORTH SIDE TOWNHOUSES PHASE 2		
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1701-R2	8. Project Cost (\$000) \$11,047	
WORK PROGRAMMED FOR NEXT THREE YEARS: None.				
<p>ADDITIONAL:</p> <p>An economic analysis has been prepared comparing the alternatives of replacement, improvement, direct compensation and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the only viable alternative to satisfy the requirement. The initial cost to improve these units is 35% of the replacement cost, does not exceed the 70% replacement cost threshold. The life-cycle costs for revitalization is 69% of the life-cycle costs for replacement. In addition, these facilities, built by the Government of Japan (GOJ), will only be 24 to 25 years old when the project is awarded. Since GOJ will not replace it before its' 60-year life expectancy, replacement is not a viable alternative. This project is not eligible for Host Nation Funding. Sustainable principles will be integrated into the development, design and construction of this project in accordance with Executive Order 13123 and other applicable laws and executive orders. This project is not located within the 100-year floodplain.</p>				
12. SUPPLEMENTAL				
a. Estimated Design Data:				
(1) Status				
(a) Date Design Started				MAR 2016
(b) Parametric Cost Estimate used to develop cost				N
(c) Percent Complete as of Jan 2015				0
(d) Date 35% Designed				OCT 2016
(e) Date Design Complete				MAR 2017
(2) Basis				
(a) Standard or Definitive Design				NO
(b) Where design was most recently used				N/A
(\$000)				
(3) Total Cost (c) = (a) + (b) or (d) + (e):				
(a) Production of Plans and Specifications				368
(b) All other Design Costs				184
(c) Total				552
(d) Contract				524
(e) In-house				28
(4) Construction Contract Award				
				JUN 2017
(5) Construction Start				
				OCT 2017
(6) Construction Completion				
				SEP 2018

1. Component MARINE CORPS	FY 2017 MILITARY CONSTRUCTION PROJECT DATA		2. Date 15 JAN 2016
3. Installation and Location MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION NORTH SIDE TOWNHOUSES PHASE 2	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1701-R2	8. Project Cost (\$000) \$11,047

12. SUPPLEMENTAL (continued)

b. Equipment associated with this project will be provided from other appropriations: NA

POC: Facilities Dept./Family Housing Div.

Phone No: DSN 315-253-4566

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
ADVANCE PLANNING AND DESIGN

(\$000)

FY 2017 Budget Request	\$ 4,149
FY 2016 Program Budget	\$ 4,588

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports, and final design drawings for construction projects (authorized or not yet authorized). This includes the use of architectural and engineering services in connection with any family housing new construction or construction improvements.

Program Summary

The amount requested will enable full execution of the construction program. Authorization is requested for the appropriation of \$4,149,000 (\$3,456,000 for the Navy and \$693,000 for the Marine Corps) to fund New Construction and Improvements design requirements.

1. Component DON	FY 2017 MILITARY CONSTRUCTION PROJECT DATA		2. Date 15 JAN 2016
3. Installation and Location: NAVAL AND MARINE CORPS INSTALLATIONS VARLOCS INSIDE AND OUTSIDE UNITED STATES		4. Project Title FAMILY HOUSING ADVANCE PLANNING AND DESIGN	
5. Program Element 0808742N	6. Category Code 711	7. Project Number VARIOUS	8. Project Cost (\$000) AUTH: \$ 4,149 APPN: \$ 4,149

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost (\$000)
ADVANCE PLANNING AND DESIGN		---	---	
NEW CONSTRUCTION	L/S	---	---	(2,610)
IMPROVEMENTS	L/S	---	---	(1,539)
TOTAL REQUEST				\$ 4,149

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

10 USC 2807 authorizes funding for architectural and engineering services and construction design of military family housing new construction and construction improvement projects.

11. REQUIREMENT: All project estimates are based on sound engineering and the best cost data available. Design is initiated to establish project estimates authorized or not yet authorized in advance of program submittal to the Congress. At the preliminary design, final plans and specifications are then prepared. The request includes costs for architectural and engineering services, turnkey evaluation, and construction design.

IMPACT IF NOT PROVIDED: Project execution schedules for Fiscal Years 2018 and 2019 will not be met.

DEPARTMENT OF THE NAVY
 FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
OPERATION AND MAINTENANCE NARRATIVE SUMMARY

(\$000)

FY 2017 Budget Request \$219,906
 FY 2016 Program Budget \$260,260

Purpose and Scope

This portion of the program provides for expenses in the following sub-accounts: Management, Services, Furnishings, Miscellaneous, Utilities, Maintenance, and Reimbursables.

Program Summary

Authorization is requested for an appropriation of \$219,906,000. This amount, together with estimated reimbursements of \$16,515,000 will fund the Fiscal Year 2017 program of \$236,421,000.

A summary of the funding program for Fiscal Year 2017 follows (in thousands):

	Appropriation Request				Reimburse-	<u>Total</u>
	<u>Operations</u>	<u>Utilities</u>	<u>Maintenance</u>	<u>Total</u>	<u>ments</u>	<u>Program</u>
Navy	71,501	50,181	74,817	196,499	16,000	212,499
Marine Corps	10,466	6,504	6,437	23,407	1,645	25,052
 Total DON	 81,967	 56,685	 81,254	 219,906	 17,645	 237,551

Justification

The Department of the Navy family housing budget requests the minimum essential resources needed to provide military families with adequate housing either through the private community or in government quarters. Navy and Marine Corps installations are generally located in the high cost, coastal areas. Accordingly, the higher cost of adequate housing in these areas cause many of our military families to reside in facilities that lack even the minimal amenities expected in a home. Therefore, emphasis is placed on the proper funding of the family housing Operations and Maintenance program.

The Fiscal Year 2017 estimated program was formulated utilizing published inflationary factors and foreign currency exchange rates. The reductions were the result of Bipartisan Budget Act (BBA) cuts applied to all accounts.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING, DEPARTMENT OF THE NAVY
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
Units in Beginning of Year	9,248		8,770		8,414	
Units at End of Year	8,770		8,414		9,053	
Average Inventory for Year	9,288		8,805		8,624	
a. Average Historic Inventory for Year	(7)		(7)		(7)	
Requiring O&M Funding						
a. Conterminous U.S.	331		331		103	
b. U.S. Overseas	2,288		2,076		1,754	
c. Foreign	6,669		6,398		6,767	
d. Worldwide	9,288		8,805		8,624	
	Total (\$000)	Unit Cost	Total (\$000)	Unit Cost	Total (\$000)	Unit Cost
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	49,811	5,363	56,189	6,381	51,291	5,947
(2) Services	15,012	1,616	19,149	2,175	12,855	1,491
(3) Furnishings	17,241	1,856	17,534	1,991	17,457	2,024
(4) Miscellaneous	223	24	373	42	364	42
Subtotal Direct Obligations	82,287	8,859	93,245	10,590	81,967	9,505
Anticipated Reimbursements	5,515	594	5,515	626	5,533	642
Estimated Gross Obligations	87,802	9,453	98,760	11,216	87,500	10,146
2. UTILITIES	64,598	6,955	67,692	7,688	56,685	6,573
Anticipated Reimbursements	4,579	493	4,579	520	4,764	552
Estimated Gross Obligations	69,177	7,448	72,271	8,208	61,449	7,125
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	58,429	6,291	58,631	6,659	54,588	6,330
b. Exterior Utilities	90	10	220	25	199	23
c. Maintenance & Repair of Other Real Property	904	97	851	97	766	89
d. Alterations and Additions	44,786	4,822	39,621	4,500	25,701	2,980
e. Foreign Currency Fluctuations	3,825	412				
Subtotal Direct Obligations	108,034	11,632	99,323	11,280	81,254	9,422
Anticipated Reimbursements	6,421	691	6,421	729	7,348	852
Estimated Gross Obligations	114,455	12,323	105,744	12,010	88,602	10,274
4. GRAND TOTAL, O&M - Direct Obligations	254,919	27,446	260,260	29,558	219,906	25,499
5. GRAND TOTAL -						
Anticipated Reimbursements	16,515	1,778	16,515	1,876	17,645	2,046
6. GRAND TOTAL, O&M - Gross Obligations	271,434	29,224	276,775	31,434	237,551	27,545

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DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
Units in Beginning of Year	8,280		7,757		7,179	
Units at End of Year	7,757		7,179		7,185	
Average Inventory for Year	8,280		7,757		7,179	
a. Average Historic Inventory for Year	(1)		(1)		(1)	
Requiring O&M Funding						
a. Conterminous U.S.	251		251		23	
b. U.S. Overseas	2,288		2,076		1,754	
c. Foreign	5,741		5,430		5,402	
d. Worldwide	8,280		7,757		7,179	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	43,401	5,242	49,597	6,394	46,000	6,408
(2) Services	13,941	1,684	16,936	2,183	11,191	1,559
(3) Furnishings	15,845	1,914	16,100	2,076	13,946	1,943
(4) Miscellaneous	223	27	373	48	364	51
Subtotal Direct Obligations	73,410	8,866	83,006	10,701	71,501	9,960
Anticipated Reimbursements	5,500	664	5,500	709	5,500	766
Estimated Gross Obligations	78,910	9,530	88,506	11,410	77,001	10,726
2. UTILITIES	60,086	7,257	61,615	7,943	50,181	6,990
Anticipated Reimbursements	4,500	543	4,500	580	4,500	627
Estimated Gross Obligations	64,586	7,800	66,115	8,523	54,681	7,617
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	54,625	6,597	51,397	6,626	48,835	6,802
b. Exterior Utilities	76	9	74	10	75	10
c. Maintenance & Repair of Other Real Property	801	97	234	30	237	33
d. Alterations and Additions	44,786	5,409	39,584	5,103	25,670	3,576
Subtotal Direct Obligations	100,288	12,112	91,289	11,769	74,817	10,422
Anticipated Reimbursements	6,000	725	6,000	773	6,000	836
Estimated Gross Obligations	106,288	12,837	97,289	12,542	80,817	11,257
4. GRAND TOTAL, O&M - Direct Obligations	233,784	28,235	235,910	30,413	196,499	27,371
5. GRAND TOTAL -						
Anticipated Reimbursements	16,000	1,932	16,000	2,063	16,000	2,229
6. GRAND TOTAL, O&M - Gross Obligations	249,784	30,167	251,910	32,475	212,499	29,600

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - CONUS

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
	Units in Beginning of Year	251		251		23
Units at End of Year	251		23		23	
Average Inventory for Year	251		251		23	
a. Average Historic Inventory for Year	(1)		(1)		(1)	
Requiring O&M Funding						
a. Conterminous U.S.	251		251		23	
b. U.S. Overseas	0		0		0	
c. Foreign	0		0		0	
d. Worldwide	0		0		0	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	27,862	111,004	29,801	118,729	29,603	1,287,087
(2) Services	183	729	99	394	20	870
(3) Furnishings	703	2,801	444	1,769	392	17,043
(4) Miscellaneous	223	888	373	1,486	364	15,826
Subtotal Direct Obligations	28,971	115,422	30,717	122,378	30,379	1,320,826
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	28,971	115,422	30,717	122,378	30,379	1,320,826
2. UTILITIES	875	3,486	638	2,542	146	6,348
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	875	3,486	638	2,542	146	6,348
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	3,144	12,526	1,703	6,785	307	13,348
b. Exterior Utilities	0	0	0	0	0	0
c. Maintenance & Repair of Other Real Property	0	0	0	0	0	0
d. Alterations and Additions	0	0	0	0	0	0
Subtotal Direct Obligations	3,144	12,526	1,703	6,785	307	13,348
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	3,144	12,526	1,703	6,785	307	13,348
4. GRAND TOTAL, O&M - Direct Obligations	32,990	131,434	33,058	131,705	30,832	1,340,522
5. GRAND TOTAL -						
Anticipated Reimbursements	0	0	0	0	0	0
6. GRAND TOTAL, O&M - Gross Obligations	32,990	131,434	33,058	131,705	30,832	1,340,522

* Per Unit Costs for certain accounts in CONUS are skewed due to the fact that these costs are not directly attributed to government-owned homes and therefore misrepresent the per unit costs for these units. Additionally, FY16 inventory has been adjusted to reflect the accelerated privatization of Ventura, CA.

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - US OVERSEAS

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
Units in Beginning of Year		2,288		2,076		1,754
Units at End of Year		2,076		1,754		1,880
Average Inventory for Year		2,288		2,076		1,754
a. Average Historic Inventory for Year		(0)		(0)		(0)
Requiring O&M Funding						
a. Conterminous U.S.		0		0		0
b. U.S. Overseas		2,288		2,076		1,754
c. Foreign		0		0		0
d. Worldwide		0		0		0
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	5,949	2,600	7,267	3,500	6,313	3,599
(2) Services	3,603	1,575	3,012	1,451	2,263	1,290
(3) Furnishings	3,975	1,737	3,887	1,872	3,422	1,951
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	13,527	5,912	14,166	6,824	11,998	6,840
Anticipated Reimbursements	2,750	1,202	2,750	1,325	2,750	1,568
Estimated Gross Obligations	16,277	7,114	16,916	8,148	14,748	8,408
2. UTILITIES	27,269	11,918	26,955	12,984	21,445	12,226
Anticipated Reimbursements	2,250	983	2,250	1,084	2,250	1,283
Estimated Gross Obligations	29,519	12,902	29,205	14,068	23,695	13,509
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	13,634	5,959	11,284	5,435	10,450	5,958
b. Exterior Utilities	0	0	0	0	0	0
c. Maintenance & Repair of Other Real Property	0	0	0	0	0	0
d. Alterations and Additions	26,972	11,788	11,741	5,656	13,627	7,769
Subtotal Direct Obligations	40,606	17,747	23,025	11,091	24,077	13,727
Anticipated Reimbursements	3,000	1,311	3,000	1,445	3,000	1,710
Estimated Gross Obligations	43,606	19,059	26,025	12,536	27,077	15,437
4. GRAND TOTAL, O&M - Direct Obligations	81,402	35,578	64,146	30,899	57,520	32,794
5. GRAND TOTAL -						
Anticipated Reimbursements	8,000	3,497	8,000	3,854	8,000	4,561
6. GRAND TOTAL, O&M - Gross Obligations	89,402	39,074	72,146	34,752	65,520	37,355

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - FOREIGN

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
	Units in Beginning of Year	5,741		5,430		5,402
Units at End of Year	5,430		5,402		5,282	
Average Inventory for Year	5,741		5,430		5,402	
a. Average Historic Inventory for Year	(0)		(0)		(0)	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	0		0		0	
c. Foreign	5,741		5,430		5,402	
d. Worldwide	0		0		0	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	9,590	1,670	12,529	2,307	10,084	1,867
(2) Services	10,155	1,769	13,825	2,546	8,908	1,649
(3) Furnishings	11,167	1,945	11,769	2,167	10,132	1,876
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	30,912	5,384	38,123	7,021	29,124	5,391
Anticipated Reimbursements	2,750	479	2,750	506	2,750	509
Estimated Gross Obligations	33,662	5,863	40,873	7,527	31,874	5,900
2. UTILITIES	31,942	5,564	34,022	6,266	28,590	5,292
Anticipated Reimbursements	2,250	392	2,250	414	2,250	417
Estimated Gross Obligations	34,192	5,956	36,272	6,680	30,840	5,709
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	37,847	6,592	38,410	7,074	38,078	7,049
b. Exterior Utilities	76	13	74	14	75	14
c. Maintenance & Repair of Other Real Property	801	140	234	43	237	44
d. Alterations and Additions	17,814	3,103	27,843	5,128	12,043	2,229
Subtotal Direct Obligations	56,538	9,848	66,561	12,258	50,433	9,336
Anticipated Reimbursements	3,000	523	3,000	552	3,000	555
Estimated Gross Obligations	59,538	10,371	69,561	12,810	53,433	9,891
4. GRAND TOTAL, O&M - Direct Obligations	119,392	20,796	138,706	25,544	108,147	20,020
5. GRAND TOTAL -						
Anticipated Reimbursements	8,000	1,393	8,000	1,473	8,000	1,481
6. GRAND TOTAL, O&M - Gross Obligations	127,392	22,190	146,706	27,018	116,147	21,501

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
	Units in Beginning of Year	968		1,013		1,235
Units at End of Year	1,013		1,235		1,868	
Average Inventory for Year	1,008		1,048		1,445	
a. Average Historic Inventory for Year	(6)		(6)		(6)	
Requiring O&M Funding						
a. Conterminous U.S.	80		80		80	
b. U.S. Overseas	0		0		0	
c. Foreign	928		968		1,365	
d. Worldwide	1,008		1,048		1,445	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	6,410	6,359	6,592	6,290	5,291	3,662
(2) Services	1,071	1,063	2,213	2,112	1,664	1,152
(3) Furnishings	1,396	1,385	1,434	1,368	3,511	2,430
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	8,877	8,807	10,239	9,770	10,466	7,243
Anticipated Reimbursements	15	15	15	14	33	23
Estimated Gross Obligations	8,892	8,821	10,254	9,784	10,499	7,266
2. UTILITIES	4,513	4,477	6,077	5,799	6,504	4,501
Anticipated Reimbursements	79	78	79	75	264	183
Estimated Gross Obligations	4,592	4,556	6,156	5,874	6,768	4,684
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	3,804	3,774	7,234	6,903	5,753	3,981
b. Exterior Utilities	14	14	146	139	124	86
c. Maintenance & Repair of Other Real Property	103	102	617	589	529	366
d. Alterations and Additions	0	0	37	35	31	21
Subtotal Direct Obligations	3,921	3,890	8,034	7,666	6,437	4,455
Anticipated Reimbursements	421	418	421	402	1,348	933
Estimated Gross Obligations	4,342	4,308	8,455	8,068	7,785	5,388
4. GRAND TOTAL, O&M - Direct Obligations	17,311	17,174	24,350	23,235	23,407	16,199
5. GRAND TOTAL -						
Anticipated Reimbursements	515	511	515	491	1,645	1,138
6. GRAND TOTAL, O&M - Gross Obligations	17,826	17,685	24,865	23,726	25,052	17,337

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - CONUS

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
	Units in Beginning of Year	80		80		80
Units at End of Year	80		80		80	
Average Inventory for Year	80		80		80	
a. Average Historic Inventory for Year	(6)		(6)		(6)	
Requiring O&M Funding						
a. Conterminous U.S.	80		80		80	
b. U.S. Overseas	0		0		0	
c. Foreign	0		0		0	
d. Worldwide	0		0		0	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	5,500	68,750	5,301	66,263	4,894	61,175
(2) Services	150	1,875	179	2,238	162	2,025
(3) Furnishings	10	125	48	600	50	625
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	5,660	70,750	5,528	69,100	5,106	63,825
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	5,660	70,750	5,528	69,100	5,106	63,825
2. UTILITIES	397	4,963	419	5,238	422	5,275
Anticipated Reimbursements	1	13	1	13	1	13
Estimated Gross Obligations	398	4,975	420	5,250	423	5,288
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	959	11,988	1,230	15,375	888	11,100
b. Exterior Utilities	0	0	14	175	14	175
c. Maintenance & Repair of Other Real Property	28	350	8	100	8	100
d. Alterations and Additions	0	0	2	25	3	38
Subtotal Direct Obligations	987	12,338	1,254	15,675	913	11,413
Anticipated Reimbursements	32	400	32	400	32	400
Estimated Gross Obligations	1,019	12,738	1,286	16,075	1,872	23,400
4. GRAND TOTAL, O&M - Direct Obligations	7,044	88,050	7,201	90,013	6,441	80,513
5. GRAND TOTAL -						
Anticipated Reimbursements	33	413	33	413	33	413
6. GRAND TOTAL, O&M - Gross Obligations	7,077	88,463	7,234	90,425	6,474	80,925

* Per Unit Costs for certain accounts in CONUS are skewed due to the fact that these costs are not directly attributed to government-owned homes and therefore misrepresent the per unit costs for these units.

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - US OVERSEAS

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
Units in Beginning of Year	0		0		0	
Units at End of Year	0		0		0	
Average Inventory for Year	0		0		0	
a. Average Historic Inventory for Year	(0)		(0)		(0)	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	0		0		0	
c. Foreign	0		0		0	
d. Worldwide	0		0		0	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	415	0	655	0	235	0
(2) Services	0	0	0	0	0	0
(3) Furnishings	259	0	325	0	674	0
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	674	0	980	0	909	0
Anticipated Reimbursements	5	0	5	0	5	0
Estimated Gross Obligations	679	0	985	0	914	0
2. UTILITIES	0	0	0	0	0	0
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	0	0	0	0	0	0
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	0	0	0	0	0	0
b. Exterior Utilities	0	0	0	0	0	0
c. Maintenance & Repair of Other Real Property	3	0	0	0	0	0
d. Alterations and Additions	0	0	0	0	0	0
Subtotal Direct Obligations	3	0	0	0	0	0
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	3	0	0	0	0	0
4. GRAND TOTAL, O&M - Direct Obligations	677	0	980	0	909	0
5. GRAND TOTAL -						
Anticipated Reimbursements	5	0	5	0	5	0
6. GRAND TOTAL, O&M - Gross Obligations	682	0	985	0	914	0

Overseas housing costs include Hawaii management staff, office telephones, housing office utilities (electricity, water, sewage), stock clerk, overseas temporary loaner furnishings moving and handling, loaner furnishing maintenance and repair, and GSA vehicle rental in support of the temporary loaner furnishing program.

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2017 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - FOREIGN

A. INVENTORY DATA	FY 2015		FY 2016		FY 2017	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
Units in Beginning of Year	888		933		1,155	
Units at End of Year	933		1,155		1,788	
Average Inventory for Year	928		968		1,365	
a. Average Historic Inventory for Year	(0)		(0)		(0)	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	0		0		0	
c. Foreign	928		968		1,365	
d. Worldwide	0		0		0	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	495	533	636	657	162	119
(2) Services	921	992	2,034	2,101	1,502	1,100
(3) Furnishings	1,127	1,214	1,061	1,096	2,787	2,042
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	2,543	2,740	3,731	3,854	4,451	3,261
Anticipated Reimbursements	10	11	10	10	28	21
Estimated Gross Obligations	2,553	2,751	3,741	3,865	4,479	3,281
2. UTILITIES	4,116	4,435	5,658	5,845	6,082	4,456
Anticipated Reimbursements	78	84	78	81	263	193
Estimated Gross Obligations	4,194	4,519	5,736	5,926	6,345	4,648
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	2,845	3,066	6,004	6,202	4,865	3,564
b. Exterior Utilities	14	15	132	136	110	81
c. Maintenance & Repair of Other Real Property	72	78	609	629	521	382
d. Alterations and Additions	0	0	35	36	28	21
Subtotal Direct Obligations	2,931	3,158	6,780	7,004	5,524	4,047
Anticipated Reimbursements	389	419	389	402	1,316	285
Estimated Gross Obligations	3,320	3,578	7,169	7,406	5,913	4,332
4. GRAND TOTAL, O&M - Direct Obligations	9,590	10,334	16,169	16,704	16,057	11,763
5. GRAND TOTAL -						
Anticipated Reimbursements	477	514	477	493	1,607	1,177
6. GRAND TOTAL, O&M - Gross Obligations	10,067	10,848	16,646	17,196	17,664	12,941

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - OPERATIONS

(\$000)

FY 2017 Budget Request	\$81,967
FY 2016 Program Budget	\$93,245

Purpose and Scope

This program provides for expenses in the following sub-accounts:

Management - Includes direct and indirect expenses in managing the family housing program and community housing referral program. Included in this account are costs associated with housing office and community referral office personnel payroll, civilian pay increases, community liaison, training and travel of housing personnel, vehicle leasing, costs associated with the enterprise Military Housing (eMH) information system Family Housing Module, and administrative support provided to housing by other base offices such as purchasing, contracting, facilities management departments, and field headquarters offices. Also included are costs associated with the Condition Assessment Program, environmental compliance studies, and housing requirements determination market analyses.

Services - Includes direct and indirect expenses incident to providing basic support services such as refuse collection & disposal, pest control, custodial services for common areas, snow removal & street cleaning.

Furnishings - Includes procuring, controlling, inventorying, managing, moving and handling, maintaining, and repairing household equipment (primarily stoves, refrigerators, washers, and dryers). In overseas and foreign locations, added furniture items (e.g., kitchen cabinets, beds, tables, and dressers) are provided on a loaner basis.

Miscellaneous - Includes payments to the US Coast Guard for Navy occupancy of Coast Guard housing.

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**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

MANAGEMENT

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2016 President's Budget Request		49,597
2. FY 2016 Appropriated Amount		49,597
3. FY 2016 Current Estimate		49,597
4. Price Growth:		559
a. Civilian Personnel Compensation	390	
b. Inflation	354	
c. Foreign Currency Fluctuation	(185)	
5. Program Decreases:		(4,156)
a. Execution Adjustment - HQ Requirements/CONUS	(852)	
b. Execution Adjustment - US Overseas/Foreign	(1,325)	
c. BBA Reductions	(1,979)	
6. FY 2017 President's Budget Request		46,000

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT

Price Growth in the Management account is due to Civilian Personnel Compensation and Inflation adjustments. The decrease is due to Foreign Currency Fluctuation adjustments. The Program Decreases are due to minor adjustments in HQ requirements associated with year-to-year adjustments in the contract costs for various centrally-funded initiatives such as the Condition Assessment Program, Housing Requirement Market Analysis, and enterprise Military Housing (eMH) that support Navy Installations worldwide, a minor reduction to Installation labor costs in CONUS, a reduction to US Overseas/Foreign costs based on recent execution trends, and Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

IMPACT OF PRIVATIZATION: None.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

SERVICES

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2016 President's Budget Request		16,936
2. FY 2016 Appropriated Amount		16,936
3. FY 2016 Current Estimate		16,936
4. Price Growth:		(2,011)
a. Inflation	311	
b. Foreign Currency Fluctuation	(2,322)	
5. Program Decreases:		(3,734)
a. Inventory Reduction	(298)	
b. BBA Reductions	(3,436)	
6. FY 2017 President's Budget Request		11,191

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT

Price Growth in the Services account is due to Inflation and offset by a reduction due to Foreign Currency Fluctuation adjustments. The Program Decreases are associated with reduced refuse collection and police and fire protection requirements due to reduced inventory at Japan, as well as and Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

IMPACT OF PRIVATIZATION: None.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

FURNISHINGS

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2016 President's Budget Request	16,100
2. FY 2016 Appropriated Amount	16,100
3. FY 2016 Current Estimate	16,100
4. Price Growth:	(1,250)
a. Civilian Personnel Compensation	12
b. Inflation	240
c. Working Capital Fund	36
d. Foreign Currency Fluctuation	(1,538)
5. Program Decreases:	(904)
a. Replacement Furnishings - Worldwide	(108)
b. BBA Reductions	(796)
6. FY 2017 President's Budget Request	13,946

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT

Price Growth in the Furnishings account is due to Civilian Personnel Compensation, Inflation, and Working Capital Fund adjustments offset by a reduction due to Foreign Currency Fluctuation adjustments. The Program Decreases are due to the year-to-year fluctuations for the loaner furnishings requirement at Foreign locations, as well as Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

IMPACT OF PRIVATIZATION: None.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
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NAVY**

MISCELLANEOUS

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2016 President's Budget Request		373
2. FY 2016 Appropriated Amount		373
3. FY 2016 Current Estimate		373
4. Price Growth:		7
a. Inflation	7	
5. Program Decreases:		(16)
a. BBA Reductions	(16)	
6. FY 2017 President's Budget Request		364

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT

Price Growth in the Miscellaneous account is due to Inflation adjustments. The Program Decrease is due to Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

IMPACT OF PRIVATIZATION: None.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

MANAGEMENT

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2016 President's Budget Request		6,592
2. FY 2016 Appropriated Amount		6,592
3. FY 2016 Current Estimate		6,592
4. Price Growth:		(5)
a. Inflation	26	
b. Civilian Personnel Compensation	12	
c. Foreign Currency Fluctuation	(43)	
5. Program Decreases:		(1,296)
a. Decreased HRMA Studies	(429)	
b. Civilian Personnel Realignment	(787)	
c. Housing Referral	(80)	
6. FY 2017 President's Budget Request		5,291

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT

Price Growth in the Management account is due to Inflation, Civilian Personnel Compensation, and offset by a reduction due to Foreign Currency Fluctuation adjustments. Program Decreases are due to reduced number of full Housing Requirements Market Analyses (HRMA), the realignment of civilian personnel from Management to Furnishings to properly reflect the function being performed by the personnel, and reduced requirement for housing referral services at MCB Camp Pendleton CA.

IMPACT OF PRIVATIZATION: None.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

SERVICES

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2016 President's Budget Request		2,213
2. FY 2016 Appropriated Amount		2,213
3. FY 2016 Current Estimate		2,213
4. Price Growth:		(376)
a. Inflation	22	
b. Foreign Currency Fluctuation	(398)	
5. Program Decreases		(173)
a. Execution	(173)	
6. FY 2017 President's Budget Request		1,664

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT

Price Growth in the Services account is due to Inflation and offset by a reduction due to Foreign Currency Fluctuation adjustments. The Program Decreases are due to the realignment of funds to better reflect execution.

IMPACT OF PRIVATIZATION: None.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

FURNISHINGS

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2016 President's Budget Request	1,434
2. FY 2016 Appropriated Amount	1,434
3. FY 2016 Current Estimate	1,434
4. Price Growth:	(150)
a. Civilian Personnel Compensation	5
b. Inflation	8
c. Foreign Currency Fluctuation	(163)
5. Program Increases:	2,227
a. Replacement Furnishings	124
b. Global Restationing Initial Outfitting (One-Time Purchase)	1,275
c. Global Restationing Inventory Increase	41
d. Civilian Personnel Realignment	787
6. FY 2017 President's Budget Request	3,511

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT

Price Growth in the Furnishings account is due to Inflation, Civilian Personnel Compensation and offset by a reduction due to Foreign Currency Fluctuation adjustments. The Program Increase for Replacement Furnishings is to replace furnishings in Iwakuni that have exceeded their economic life. The Program Increase for Global Restationing is for one-time initial outfitting of new units constructed in Iwakuni by the Government of Japan and increased moving and handling requirements associated with the new units, as well as Civilian Personnel realigned from Management to Furnishings to properly reflect functions being performed by personnel.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - 2017 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - UTILITIES

(\$000)

FY 2017 Budget Request	\$56,685
FY 2016 Program Budget	\$67,692

Purpose and Scope

This program provides for utility services for Navy and Marine Corps Family Housing that include electricity, natural gas, propane, steam/hot water, fuel oil, water, and sewage. Utility requirements are estimated based on historic, per unit expenditures that have been adjusted for inflation and for foreign currency adjustments.

The Department of the Navy's Operation and Maintenance program aims to reduce utility consumption through whole-house improvements to improve energy efficiencies, increased management emphasis on energy conservation, and maintenance and repair projects to reduce energy consumption.

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**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
NAVY**

UTILITIES

Family Housing Summary of Unit Detail	FY 2015	FY 2016	FY 2017
Total Cost of Utilities (\$000)	60,086	61,615	50,181
Utility Quantities: ^{1, 2}			
Electricity (KWH)	119,402,030	111,788,111	107,848,603
Water (KGAL)	1,648,739	1,461,349	1,362,311
Sewage (KGAL)	752,846	708,328	682,501
Purchased Steam (MBTU)	237,486	237,090	235,358
Natural Gas (MBTU)	6,957	3,564	202

¹ - Utility Quantities are shown for NWCF locations only. However, these comprise 99% of Total Navy Utilities Costs beginning in FY 2015.

² - Reduction trend is due to demolition in Guam, divestiture in Japan, and privatization of additional units in Ventura, CA.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
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NAVY**

UTILITIES

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2016 President's Budget Request		61,615
2. FY 2016 Appropriated Amount		61,615
3. FY 2016 Current Estimate		61,615
4. Price Growth:		(5,645)
a. Inflation	4	
b. Working Capital Fund	(5,649)	
5. Program Decreases:		(5,789)
a. Reduced Consumption & Planned Demo/Divestiture	(3,210)	
b. BBA Reductions	(2,579)	
6. FY 2017 President's Budget Request		50,181

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT

Price Growth in the Utilities account is due to minor Inflation growth offset by a reduction in NWCF rates for FY17. The Program Decreases are based on a reduction of inventory at Ventura, CA, Guam, and Japan as well as Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

IMPACT OF PRIVATIZATION: Loss of ~220 units results in ~\$0.5M in savings.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
MARINE CORPS**

UTILITIES

Family Housing Summary of Unit Detail	FY 2015	FY 2016	FY 2017
Total Cost of Utilities (\$000)	4,513	6,077	6,504
Utility Quantities: ¹			
Electricity (KWH)	14,904,400	17,205,700	28,017,800
Water (KGAL)	86,314	93,884	132,844
Sewage (KGAL)	60,429	65,729	92,989
Purchased Steam (MBTU)	54,940	37,840	37,840
Natural Gas (MBTU)	67	67	67

¹ Electricity, water and sewage year-to-year fluctuation in consumption are due to newly constructed units by the Government of Japan coming on line from FY 2015 through FY 2017. Purchased steam reduces from FY15 to FY16 due to removal of steam systems for heating, cooling, and domestic hot water from Monzen Townhouses in Iwakuni, Japan in FY 2015.

**DEPARTMENT OF THE NAVY
 FAMILY HOUSING - 2017 BUDGET ESTIMATE
 JUSTIFICATION
 MARINE CORPS**

UTILITIES

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2016 President's Budget Request		6,077
2. FY 2016 Appropriated Amount		6,077
3. FY 2016 Current Estimate		6,077
4. Price Growth:		(1,147)
a. Inflation	49	
b. Foreign Currency Fluctuation	(1,196)	
5. Program Increases:		1,574
a. Global Restationing	1,574	
6. FY 2017 President's Budget Request		6,504

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT

Price Growth in the Utilities account is due to Inflation and offset by a reduction due to Foreign Currency Fluctuation adjustments. The Program Increases are due to the additional housing in Iwakuni, Japan. The new units were constructed by the Government of Japan in support of global restationing.

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - MAINTENANCE

(\$000)

FY 2017 Budget Request	\$81,254
FY 2016 Program Budget	\$99,323

Purpose and Scope

This program provides for the maintenance and repair of Family Housing units including: service calls, change of occupancy rehabilitation, routine maintenance, preventative maintenance, interior and exterior painting, exterior utilities, grounds and family housing community facilities, and Major Repairs.

The objective of the Department of the Navy's Operation and Maintenance program is to fully fund routine and preventative maintenance necessary to keep adequate homes from falling into disrepair. The Major Repair program is utilized to focus on mechanical, electrical, or structural issues that are too large in scope or too complex to be addressed with routine maintenance funding

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**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
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NAVY**

MAINTENANCE

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2016 President's Budget Request	91,289
2. FY 2016 Appropriated Amount	91,289
3. FY 2016 Current Estimate	91,289
4. Price Growth:	(9,573)
a. Civilian Personnel Compensation	24
b. Inflation	1,541
c. Working Capital Fund	127
d. Foreign Currency Fluctuation	(11,265)
5. Program Decreases:	(6,899)
a. BBA Reductions	(6,899)
6. FY 2017 President's Budget Request	74,817

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT

Price Growth in the Maintenance account is due to Civilian Personnel Compensation, Inflation, Working Capital Fund adjustments and offset by a reduction due to Foreign Currency Fluctuation adjustments. The Program Decrease is due to Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

IMPACT OF PRIVATIZATION: None.

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**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

MAINTENANCE

Reconciliation of Increases and Decreases

		<u>(Dollars in Thousands)</u>
1. FY 2016 President's Budget Request		8,034
2. FY 2016 Appropriated Amount		8,034
3. FY 2016 Current Estimate		8,034
4. Price Growth:		(1,400)
a. Inflation	66	
b. Foreign Currency Fluctuation	(1,466)	
5. Program Decreases:		(197)
a. Global Restationing	(197)	
6. FY 2017 President's Budget Request		6,437

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT

Price Growth in the Maintenance account is due to Inflation and offset by a reduction due to Foreign Currency Fluctuation adjustments. The Program Decreases are due to lower maintenance per unit requirements in support of new units constructed in Iwakuni by the Government of Japan in support of global restationing.

IMPACT OF PRIVATIZATION: None.

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1. Component DON	FY 2017 MILITARY CONSTRUCTION PROJECT DATA	2. Date 15 JAN 2016																														
3. Installation and Location: NAVAL AND MARINE CORPS INSTALLATIONS INSIDE THE UNITED STATES																																
4. Project Title FAMILY HOUSING REPAIRS GREATER THAN \$20K/UNIT	5. Project Number VARIOUS																															
<table border="0" style="width: 100%;"> <thead> <tr> <th data-bbox="168 478 824 506" style="text-align: left;"><u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u></th> <th data-bbox="1024 447 1409 506" style="text-align: right;">(\$000) <u>CURRENT WORKING ESTIMATE</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="591 569 992 596" style="text-align: center;"><u>OUTSIDE THE UNITED STATES</u></td> </tr> <tr> <td colspan="2" data-bbox="168 659 233 686"><u>CUBA</u></td> </tr> <tr> <td data-bbox="168 686 1185 743">NAVSTA Guantanamo Bay (HSG 150008/140024)</td> <td data-bbox="1185 686 1317 714" style="text-align: right;">1,200.0</td> </tr> <tr> <td colspan="2" data-bbox="261 743 1422 835">This project will enclose carports and install electric garage doors for 23 units in the Evans Point and West Iguana neighborhoods, and enclose carports and build garages for 37 units in the Center Bargo neighborhood.</td> </tr> <tr> <td data-bbox="168 898 1185 955">NAVSTA Guantanamo Bay (HSG TBD1)</td> <td data-bbox="1185 898 1317 926" style="text-align: right;">2,300.0</td> </tr> <tr> <td colspan="2" data-bbox="261 955 1317 1012">This project will repair and renovate 23 garden style units in the Villamar and Caravella Point neighborhoods.</td> </tr> <tr> <td colspan="2" data-bbox="168 1094 233 1121"><u>GUAM</u></td> </tr> <tr> <td data-bbox="168 1121 1185 1178">NAVSUPPACT Andersen (AJJY-TBD1)</td> <td data-bbox="1185 1121 1317 1148" style="text-align: right;">2,553.0</td> </tr> <tr> <td colspan="2" data-bbox="261 1178 1409 1234">This project will repair and replace roofs for 111 units in the Capehart neighborhood.</td> </tr> <tr> <td data-bbox="168 1297 1185 1354">NAVSUPPACT Andersen (AJJY-TBD2)</td> <td data-bbox="1185 1297 1317 1325" style="text-align: right;">6,500.0</td> </tr> <tr> <td colspan="2" data-bbox="261 1354 1442 1507">This project will demolish 100 excess family housing units in the Capehart neighborhood. Work will include complete demolition of exterior and interior appurtenances to include concrete foundations, screen walls, air conditioning enclosures and pads, trash enclosures, patio decks, carports and driveways.</td> </tr> <tr> <td colspan="2" data-bbox="168 1583 250 1610"><u>JAPAN</u></td> </tr> <tr> <td data-bbox="168 1610 1185 1667">NAF Atsugi (HR-14-15)</td> <td data-bbox="1185 1610 1317 1638" style="text-align: right;">326.9</td> </tr> <tr> <td colspan="2" data-bbox="261 1667 1365 1759">This project will repair built-up roofs by replacement with new roofs including insulation materials and thermal protective coatings at six Senior Officers Quarters.</td> </tr> </tbody> </table>			<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>	(\$000) <u>CURRENT WORKING ESTIMATE</u>	<u>OUTSIDE THE UNITED STATES</u>		<u>CUBA</u>		NAVSTA Guantanamo Bay (HSG 150008/140024)	1,200.0	This project will enclose carports and install electric garage doors for 23 units in the Evans Point and West Iguana neighborhoods, and enclose carports and build garages for 37 units in the Center Bargo neighborhood.		NAVSTA Guantanamo Bay (HSG TBD1)	2,300.0	This project will repair and renovate 23 garden style units in the Villamar and Caravella Point neighborhoods.		<u>GUAM</u>		NAVSUPPACT Andersen (AJJY-TBD1)	2,553.0	This project will repair and replace roofs for 111 units in the Capehart neighborhood.		NAVSUPPACT Andersen (AJJY-TBD2)	6,500.0	This project will demolish 100 excess family housing units in the Capehart neighborhood. Work will include complete demolition of exterior and interior appurtenances to include concrete foundations, screen walls, air conditioning enclosures and pads, trash enclosures, patio decks, carports and driveways.		<u>JAPAN</u>		NAF Atsugi (HR-14-15)	326.9	This project will repair built-up roofs by replacement with new roofs including insulation materials and thermal protective coatings at six Senior Officers Quarters.	
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1. Component DON	FY 2017 MILITARY CONSTRUCTION PROJECT DATA	2. Date 15 JAN 2016						
3. Installation and Location: NAVAL AND MARINE CORPS INSTALLATIONS INSIDE THE UNITED STATES								
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DEPARTMENT OF THE NAVY
FAMILY HOUSING - 2017 BUDGET ESTIMATE
GFOQ M&R COST OVER \$35,000 PER UNIT

The Department of the Navy has been making every effort possible to control and reduce expenditures for "high-cost" GFOQ units. The Navy closely monitors all discretionary spending associated with GFOQ units. The Marine Corps has limited its high-cost GFOQ units to five units, all of which are either considered a National Historic Landmark or on the National Register of Historic Places. Both the Navy and the Marine Corps are closely evaluating maintenance and repair requests to ensure work is essential, as well as seeking ways to make these units more energy-efficient and economical to operate.

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1. Component NAVY	FY 2017 MILITARY CONSTRUCTION PROJECT DATA					2. Date 15 JAN 2016	
3. Installation and Location: VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES							
4. Project Title GENERAL AND FLAG OFFICER QUARTERS					5. Project Number N/A		
STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
<u>INSIDE THE UNITED STATES</u>							
<u>TEXAS</u>							
NAS Corpus Christi	SOQ 1	19,400	5,100	51,800	0	76,300	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. (Year built: 1941; NSF: 4,584)							
<u>OUTSIDE THE UNITED STATES</u>							
<u>JAPAN</u>							
CFA Yokosuka	11 Nimitz	14,300	9,200	61,900	0	85,400	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, change of occupancy maintenance, interior painting and grounds maintenance. (Year built: 1992; NSF: 1,921)							
CFA Yokosuka	16 Halsey	15,500	30,500	73,300	0	119,300	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, change of occupancy maintenance, interior painting and grounds maintenance. (Year built: 1940; NSF: 3,223)							
CFA Yokosuka	17 Halsey	16,000	18,200	89,200	0	123,400	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, change of occupancy maintenance, interior painting and exterior painting and grounds maintenance. (Year built: 1948; NSF: 4,140)							
CFA Yokosuka	18 Halsey	17,500	29,700	66,600	0	113,800	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, change of occupancy maintenance, interior painting and grounds maintenance. (Year built: 1948; NSF: 4,140)							
<u>MARIANAS ISLANDS</u>							
NB Guam	4 Flag Circle	14,800	31,000	86,000	0	131,800	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, change of occupancy and grounds maintenance. Major repairs include replacing the air conditioning system. (Year built: 1945; NSF: 3,348)							

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Department of the Navy
Navy General and Flag Officers' Quarters
Anticipated Operations and Maintenance Expenditures Exceeding \$35K per Unit for Fiscal Year 2017
(Dollars in Thousands)

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Ops Cost	Utility Cost	Maint Cost	Leasing Cost	Total Costs
Texas	NAS Corpus Christi	SOQ 1	1941	4,584	\$19.4	\$5.1	\$51.8		\$76.3
Bahrain	NSA Bahrain	Villa 1266	2000	6,500				\$280.0	\$280.0
Cuba	NS Guantanamo Bay	M-101	1941	4,704	\$8.2	\$46.2	\$21.5		\$75.9
Italy	NSA Naples	Unit 2, Bldg 2116	2005	1,376				\$33.3	\$33.3
		Villa Capri	2005	2,648				\$64.0	\$64.0
		Villa La Colombaia	1973	8,072				\$235.0	\$235.0
		Villa Marilu	2007	3,615				\$208.6	\$208.6
		Villa Ponzà	2005	2,400				\$63.4	\$63.4
		Villa Procida	2005	2,400				\$61.6	\$61.6
		Villa Ventotene	2005	2,400				\$63.9	\$63.9
Japan	CFA Yokosuka	11 Nimitz	1992	1,921	\$14.3	\$9.2	\$61.9		\$85.4
		16 Halsey	1940	3,223	\$15.5	\$30.5	\$73.3		\$119.3
		17 Halsey	1948	4,140	\$16.0	\$18.2	\$89.2		\$123.4
		18 Halsey	1948	4,140	\$17.5	\$29.7	\$66.6		\$113.8
Korea	CFA Chinhae	#101-3701	2009	1,905				\$50.0	\$50.0
Mariana Islands	NB Guam	4 Flag Circle	1945	3,448	\$14.8	\$31.0	\$86.0		\$131.8
	NSA Andersen	1000 Rota St	1960	3,343	\$5.8	\$32.5	\$33.3		\$71.6
Singapore	NRC Singapore	Temasek House	1940	2,217				\$78.2	\$78.2
Totals	GFOQ Units	18			\$111.5	\$202.4	\$483.6	\$1,138.0	\$1,935.5

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**Department of the Navy (Navy)
General and Flag Officers' Quarters (GFOQ)
6,000 NSF Units for Fiscal Year 2017
(Dollars in Thousands)**

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Total FH O&M Cost	Alternative Use	Cost to Convert Unit	If O&M > \$35K Demolish & Rebuild Cost
Bahrain	NSA Bahrain	Villa 1266	2000	6,500	\$280.0	Note 1	N/A	N/A
Italy	NSA Naples	Villa La Colombaia	1973	8,072	\$235.0	Note 2	N/A	N/A
TOTAL:	2 GFOQ Units				\$515.0		N/A	N/A

¹ Lease for this unit was renewed in Jan 2016 for a short term while Navy explores options to replace this unit with a MILCON project for a new Flag quarters to be constructed inside the fence line of NSA Bahrain. The new construction would be less than 6,000 NSF. As a leased unit, demolition or alternative uses are not options.

² Unit houses the four-star Special Command Position that formerly resided in Villa Nike. Villa La Colombaia was selected after a competitive search for a new unit for this billet and is equipped with all A/FP requirements and a secure room for SIPR communications. There is currently no alternative for housing this billet. As a leased unit, demolition or alternative uses are not options.

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Department of the Navy
Navy Privatized General and Flag Officers' Quarters
Operation, Maintenance and Repair Costs Incurred by Private Sector Developer/Partner/Owner
Exceeding \$50K per Housing Unit
for Fiscal Year 2015
(Dollars in Thousands)

State/Country	Installation	Quarters ID	Year Built	Size NSF	Operations Cost	Maint & Repair Cost	Total FH O&M Cost
California	NAS North Island	NASNI A*	1919	4,643	\$21.0	\$32.2	\$53.2
	NAS North Island	NASNI V*	1918	2,769	\$19.1	\$34.4	\$53.5
District of Columbia	Washington	A Tingey House*	1804	8,940	\$36.1	\$120.9	\$157.0
	Washington	A-NAC*	1921	4,724	\$27.6	\$38.6	\$66.1
	Washington	ASC 801*	1930	2,341	\$21.9	\$46.6	\$68.5
	Washington	AA Potomac Annex*	1910	5,632	\$25.1	\$46.2	\$71.4
	Washington	B-WNY*	1801	5,165	\$33.0	\$42.8	\$75.8
	Washington	C-WNY*	1879	2,548	\$20.4	\$32.2	\$52.6
	Washington	CC Potomac Annex*	1910	4,460	\$25.9	\$25.4	\$51.3
	Washington	D-NOBSY*	1900	2,323	\$21.9	\$36.5	\$58.4
	Washington	M-1-WNY*	1805	4,170	\$22.0	\$37.8	\$59.8
	Washington	N-WNY*	1866	2,536	\$22.5	\$67.8	\$90.3
Florida	Washington	O-WNY*	1866	2,940	\$24.2	\$39.1	\$63.3
	Washington	R-WNY*	1890	2,151	\$20.9	\$48.4	\$69.3
	Washington	U-WNY*	1937	4,135	\$25.5	\$29.6	\$55.1
	Key West	CA*	1941	2,509	\$16.4	\$38.0	\$54.5
	Pearl Harbor	A Hale Alii*	1914	5,588	\$51.5	\$213.1	\$264.6
	Pearl Harbor	B Hale Alii*	1914	3,279	\$33.0	\$20.1	\$53.2
	Pearl Harbor	C Hale Alii*	1914	2,951	\$30.3	\$39.8	\$70.1
	Pearl Harbor	D Hale Alii*	1914	3,279	\$29.1	\$224.2	\$253.3
	Pearl Harbor	E Hale Alii*	1914	3,275	\$30.5	\$39.4	\$69.9
	Pearl Harbor	F Hale Alii*	1914	3,279	\$32.4	\$33.0	\$65.5
Hawaii	Pearl Harbor	K Ford Island*	1936	3,789	\$34.3	\$16.2	\$50.5
	Pearl Harbor	201 Marine Barracks*	1911	3,370	\$40.3	\$15.4	\$55.8
	Pearl Harbor	37 Makalapa*	1941	3,983	\$58.6	\$30.1	\$88.7
	Annapolis	1 Buchanan*	1906	13,048	\$54.9	\$259.2	\$314.1
	Patuxent River	W*	1780	2,743	\$8.7	\$48.1	\$56.8
	Hampton Roads	F-35E*	1907	4,400	\$15.5	\$38.3	\$53.8
	Hampton Roads	F-35W*	1907	4,400	\$17.1	\$34.6	\$51.7
	Hampton Roads	G-30*	1907	12,660	\$31.4	\$36.2	\$67.6
	Hampton Roads	M-3*	1907	4,160	\$17.0	\$53.6	\$70.6
	Hampton Roads	M-5*	1907	5,260	\$27.0	\$53.9	\$80.9
Totals		32			\$895.3	\$1,871.7	\$2,766.9

Notes:

- (1) (*) GFOQ units where Utility Costs are included as part of Operation Costs.
- (2) This annual report complies with the FY 2009 National Defense Authorization Act (NDAA), amended section 2805 requirement.

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1. Component MARINE CORPS	FY 2017 MILITARY CONSTRUCTION PROJECT DATA	2. Date 15 JAN 2016
3. Installation and Location: VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. Project Title GENERAL AND FLAG OFFICER QUARTERS		5. Project Number N/A

<u>STATE/ INSTALLATION</u>	<u>QTRS ID</u>	<u>OPS</u>	<u>UTIL</u>	<u>MAINT & RPR</u>	<u>HIST PRES</u>	<u>TOTAL</u>	<u>IMPROVS</u>
<u>INSIDE THE UNITED STATES</u>							
<u>DISTRICT OF COLUMBIA</u>							
Marine Barracks, 8th & I, Washington, DC	Qtrs 6	11,800	37,000	41,500	0	90,300	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. (Year built: 1810; NSF: 15,605; NHR)							

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Department of the Navy
 Marine Corps General and Flag Officers' Quarters
 Anticipated Operations and Maintenance Expenditures Exceeding \$35K per Unit for Fiscal Year 2017
 (Dollars in Thousands)

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Ops Cost	Utility Cost	Maint. Cost	Leasing Cost	Total Costs
District of Columbia	8th & I Streets	1	1908	7,376	\$11.8	\$8.0	\$17.0	\$0.0	\$36.8
	8th & I Streets	2	1908	6,084	\$11.8	\$8.0	\$17.0	\$0.0	\$36.8
	8th & I Streets	4	1908	6,084	\$11.8	\$8.0	\$17.0	\$0.0	\$36.8
	8th & I Streets	6	1810	15,605	\$11.8	\$37.0	\$41.5	\$0.0	\$90.3
Louisiana	New Orleans	A	1840	6,483	\$30.0	\$17.0	\$27.0	\$0.0	\$74.0
Totals	GFOQ Units	5			\$77.2	\$78.0	\$119.5	\$0.0	\$274.7

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**Department of the Navy (Marine Corps)
General and Flag Officers' Quarters (GFOQ)
6,000 NSF Units for Fiscal Year 2017
(Dollars in Thousands)**

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Total FH O&M Cost	Alternative Use	Cost to Convert Unit	If O&M > \$35K Demolish & Rebuild Cost
District of Columbia	8th & J Streets	1	1908	7,376	\$36.8	Considered and rejected ¹	N/A	N/A
	8th & J Streets	2	1908	6,084	\$36.8	Considered and rejected ¹	N/A	N/A
	8th & J Streets	4	1908	6,084	\$36.8	Considered and rejected ¹	N/A	N/A
	8th & J Streets	6	1810	15,605	\$90.3	Considered and rejected ¹	N/A	N/A
Louisiana	New Orleans	A	1840	6,483	\$74.0	Considered and rejected ²	N/A	N/A
TOTAL:	5 GFOQ Units				\$274.7		N/A	N/A

¹ Evaluation of the four family housing quarters reveal no alternative uses on the Marine Barracks. Transferring the quarters to the base merely shifts the burden of its support from FH,N&MC to O&M,MC. As previously reported to Congress, there is a shortage of General Officers Quarters for the Marine Corps in the National Capital Region. Without purchase of additional land replacement of the existing units could not be constructed without the demolition of the existing units. Demolition is rejected due to: the recent extensive renovations to all four quarters; the listing of all four homes, including the Home of the Commandants, on the National Register of Historic Places; the homes forming two sides of the Quadrangle that is a National Historic Landmark; and the Home of the Commandant's also being a National Historic Landmark. Privatization was considered and rejected due to: the cost to operate, maintain and sustain the homes due to their size and historic nature. The up-front seed-privatization funding cost was determined at \$9 million and the project had negative life cycle savings of \$5 million. One of the factors contributing to the historic designation of the Home of the Commandants is that it is a public building. The Home of the Commandants is the oldest continuously occupied public building in the District of Columbia.

² There is no alternative use for the facility on the Naval Support Activity. Transferring the quarters to the base merely shifts the burden of its support from FH,N&MC to O&M,N. Revitalization best preserves the historic character of Quarters A and the unit's ideal location best positions the Commander of the Marine Forces Reserve in the community. This alternative keeps the Quarters with the rest of NSA family housing and offers significant operational advantages due to its proximity to the new Marine Forces Reserve headquarters building now under construction. Without the demolition of the existing unit the replacement unit would be located at the Joint Reserve Base New Orleans, 20 miles away. Demolition is rejected due to: the listing of the home on the National Register of Historic Places and its preeminence as an example of an 1800's plantation home on the West Bank of New Orleans. Privatization of the quarters was considered and rejected due to: the cost to operate, maintain and sustain the home, due to its size and historic nature, resulted in legislative compliance with section 2875 of Title 10 United States Code not being met.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
REIMBURSABLE PROGRAM SUMMARY

(\$000)

FY 2017 Budget Request	\$17,645
FY 2016 Program Budget	\$17,645

Purpose and Scope

The Reimbursable program includes collections received from the rental of DON family housing to foreign national, civilian, & Coast Guard personnel and collections for occupant-caused damages.

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**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

REIMBURSABLE AUTHORITY

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2016 President's Budget Request	16,000
2. FY 2016 Appropriated Amount	16,000
3. FY 2016 Current Estimate	16,000
4. FY 2017 President's Budget Request	16,000

RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT

No changes noted for FY 2017.

IMPACT OF PRIVATIZATION: None.

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**DEPARTMENT OF THE NAVY
FAMILY HOUSING - 2017 BUDGET ESTIMATES
JUSTIFICATION
MARINE CORPS**

REIMBURSABLE AUTHORITY

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2016 Budget Request	1,645
2. FY 2016 Appropriated Amount	1,645
3. FY 2016 Current Estimate	1,645
4. FY 2017 President's Budget Request	1,645

RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT

None.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
 FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
DEPARTMENT OF THE NAVY LEASING SUMMARY

(\$000)

FY 2017 Budget Request \$54,689
 FY 2016 Program Budget \$64,108

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

	FY 2015			FY 2016			FY 2017		
	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)
Domestic	300	300	7,287	300	300	9,030	300	300	7,587
Navy	300	300	7,287	300	300	9,030	300	300	7,587
802	276	276	450	276	276	621	0	0	0
USMC	276	276	450	276	276	621	0	0	0
Foreign	1,666	1,665	55,189	1,556	1,556	54,457	1,551	1,551	47,102
Navy	1,660	1,659	54,855	1,541	1,541	53,561	1,541	1,541	46,276
USMC	6	6	334	15	15	896	10	10	826
DON Total	2,242	2,241	62,926	2,132	2,132	64,108	1,851	1,851	54,689

Justification

Domestic Leasing Program Summary: The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Section 801 of the FY 1984 Military Construction Authorization Act (PL 98-115) authorized the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. The Navy sites chosen for testing Section 801 were Norfolk, Virginia, and Earle, New Jersey. The Section 801 program was made permanent and codified as Section 2835 of Title 10, United States Code, in FY 1992. The Department of the Navy has awarded contracts for Section 801 projects at Norfolk, VA (300 units), Earle, NJ (300 units), Mayport, FL (200 units), Staten Island, NY (1,000 units), Washington, DC-Woodbridge (600 units), Washington, DC-Summerfield (414 units), Port Hueneme/Point Mugu (Ventura), CA (300 units) and Pensacola, FL (300 units).

Section 802 of the FY84 Military Construction Authorization Act (PL 98-115, 10 U.S.C. 2821 note) authorizes the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. The Department of the Army awarded this project in 1992 under U.S. Army Garrison, Hawaii (USAG-HI). The

authority transferred to the Marine Corps on 1 Oct 1998. The Marine Corps took over a Section 802 contract at MCB Hawaii for 276 units.

Foreign Leasing: Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Under Title 10 USC 2834, the Secretary concerned may enter into an agreement with the Secretary of State under which the Secretary of State agrees to provide housing and related services for personnel under jurisdiction of the Secretary concerned who are assigned duty in a foreign country. To the extent that the lease amounts for units of housing made available under this subsection exceed maximum lease amounts in Title 10 USC 2828(e)(1), such units shall not be counted in applying the limitations contained in such section on the number of units of family housing for which the Secretary concerned may waive such maximum lease amounts.

DEPARTMENT OF THE NAVY
 FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
NAVY LEASING SUMMARY

(\$000)

FY 2017 Budget Request \$53,863
 FY 2016 Program Budget \$62,591

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

	FY 2015			FY 2016			FY 2017		
	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)
Domestic	300	300	7,287	300	300	9,030	300	300	7,587
801	0	0	0	0	0	0	0	0	0
Foreign	1,660	1,659	54,855	1,541	1,541	53,561	1,541	1,541	46,276
Navy Total	1,960	1,959	62,142	1,841	1,841	62,591	1,841	1,841	53,863

Justification

Domestic Leasing Program Summary

The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Section 801 of the FY 1984 Military Construction Authorization Act (PL 98-115) authorized the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. The Navy sites chosen for testing Section 801 were Norfolk, Virginia, and Earle, New Jersey. The Section 801 program was made permanent and codified as Section 2835 of Title 10, United States Code, in FY 1992. The Navy has awarded contracts for Section 801 projects in Norfolk, VA (300 units), Earle, NJ (300 units), Mayport, FL (200 units), Staten Island, NY (1,000 units), Washington, DC-Woodbridge (600 units), Washington, DC-Summerfield (414 units), Port Hueneme/Point Mugu (Ventura), CA (300 units), and Pensacola, FL (300 units).

Domestic Leasing Fiscal Year Summary

FY 2015 - The Domestic Lease Program consists of 300 (average) units requiring funding of \$7.287 million. There are no Section 801 leases remaining in the Navy Family Housing program. The \$7.287 million is required for 300 leases for recruiters at high-cost locations not supported by a military installation.

FY 2016 - The Domestic Lease Program consists of 300 (average) units requiring funding of \$9.030 million. There are no Section 801 leases remaining in the Navy Family Housing program. The \$9.030 million is required for 300 leases for recruiters at high-cost locations not supported by a military installation.

FY 2017 - The Domestic Lease Program consists of 300 (average) units requiring funding of \$7.587 million. There are no Section 801 leases remaining in the Navy Family Housing program. The \$7.587 million is required for 300 leases for recruiters at high-cost locations not supported by a military installation.

Foreign Leasing Program Summary

Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Foreign Leasing Fiscal Year Summary

FY 2015 - The Foreign Lease Program consists of 1,659 (average) units requiring funding of \$54.855 million. This amount consists of \$51.314 million for 1,614 Foreign Leases and \$3.541 million for 46 Department of State leases.

FY 2016 - The Foreign Lease Program consists of 1,541 (average) units requiring funding of \$53.561 million. This amount consists of \$50.207 million for 1,494 Foreign Leases and \$3.354 million for 47 Department of State leases.

FY 2017 - The Foreign Lease Program consists of 1,541 (average) units requiring funding of \$46.276 million. This amount consists of \$42.904 million for 1,494 Foreign Leases and \$3.372 million for 47 Department of State leases.

FAMILY HOUSING - NAVY
 (Other than Section 801 and Section 802 Units)
 FY 2017

Location	FY 2015			FY 2016			FY 2017		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Recruiters, Var Locs	300	3,600	7,287	300	3,600	9,030	300	3,600	7,587
Total Domestic Leases	300	3,600	7,287	300	3,600	9,030	300	3,600	7,587

Domestic Leasing

FAMILY HOUSING - NAVY
(Other than Section 801 and Section 802 Units)
FY 2017

Location	FY 2015			FY 2016			FY 2017		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Foreign Leasing									
Chinhae, Korea	1	3	64	1	12	48	1	12	50
Manama, Bahrain	1	12	217	1	12	250	1	12	280
Naples, Italy	973	11,676	26,083	853	10,236	26,611	853	10,236	22,722
Sigonella, Italy	526	6,312	18,432	526	6,312	17,300	526	6,312	14,772
Singapore, Singapore	113	1,356	6,518	113	1,356	5,998	113	1,356	5,080
Foreign Leases (Sub-total)	1,614	19,359	51,314	1,494	17,928	50,207	1,494	17,928	42,904
Foreign Leasing (DoS Leases)									
Belgrade, Serbia	1	3	96	1	12	60	1	12	61
Cairo, Egypt	10	120	955	10	120	848	10	120	865
Dili, Timor-Leste	1	12	84	1	12	79	1	12	80
Dubai, U.A.E.	1	12	99	1	12	101	1	12	103
Hanoi, Vietnam	1	12	61	1	12	57	1	12	58
Istanbul, Turkey	1	12	165	1	12	105	1	12	107
Jakarta, Indonesia	3	36	71	3	36	66	3	36	67
Kuala Lumpur, Malaysia	1	12	60	1	12	56	1	12	57
Lima, Peru	12	144	637	12	144	709	12	144	720
New Delhi, India	2	24	85	2	24	79	2	24	81
Oslo, Norway	1	12	92	1	12	86	1	12	87
Phnom Penh, Cambodia	4	48	357	4	48	333	4	48	339
Rio de Janeiro, Brazil	1	12	134	2	24	224	2	24	185
Singapore, Singapore	3	36	391	3	36	364	3	36	371
Tel Aviv, Israel	1	12	142	1	12	83	1	12	85
Vientiane, Laos	3	36	112	3	36	104	3	36	106
DoS Leases (Sub-total)	46	543	3,541	47	564	3,354	47	564	3,372
Total Foreign Leases	1,660	19,902	54,855	1,541	18,492	53,561	1,541	18,492	46,276

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

LEASING

Reconciliation of Increases and Decreases

		<u>(Dollars in Thousands)</u>
1. FY 2016 President's Budget Request		62,591
2. FY 2016 Appropriated Amount		62,591
3. FY 2016 Current Estimate		62,591
4. Price Growth:		(6,127)
a. Civilian Personnel Compensation	48	
b. Inflation	1,017	
c. Working Capital Fund	(30)	
d. Foreign Currency Fluctuation	(7,162)	
5. Program Decreases:		(2,601)
a. BBA Reductions	(2,601)	
6. FY 2017 President's Budget Request		53,863

RATIONALE FOR CHANGES IN THE LEASING ACCOUNT

Price Growth in the Leasing account is due to Civilian Personnel Compensation and Inflation and offset by reduced FY17 NWCF rates and Foreign Currency Fluctuation adjustments. The Program Decrease is due to Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
 FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
MARINE CORPS LEASING SUMMARY

(\$000)

FY 2017 Budget Request \$ 826
 FY 2016 Program Budget \$1,517

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

	FY 2015			FY 2016			FY 2017		
	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)
Domestic	0	0	0	0	0	0	0	0	0
801	0	0	0	0	0	0	0	0	0
802	276	276	450	276	276	621	0	0	0
Foreign	6	6	334	15	15	896	10	10	826
USMC Total	282	282	784	291	291	1,517	10	10	826

Justification

Domestic Leasing Program Summary

Section 802 of the FY84 Military Construction Authorization Act (PL 98-115, Title 10 U.S.C. 2821 note) authorizes the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. The Department of the Army awarded this project in 1992 under U.S. Army Garrison, Hawaii (USAG-HI). The authority transferred to the Marine Corps on 1 Oct 1998. The Marine Corps took over a Section 802 contract at MCB Hawaii for 276 units.

Domestic Leasing Fiscal Year Summary

FY 2017 - No funding required. Section 802 project in Hawaii terminated.

Foreign Leasing Program Summary

Under Title 10 USC 2834, the Secretary concerned may enter into an agreement with the Secretary of State under which the Secretary of State agrees to provide housing and related services for personnel under jurisdiction of the Secretary concerned who are assigned duty in a foreign country. To the extent that the lease amounts for units of housing made available under this subsection exceed maximum lease amounts in Title 10 USC 2828(e)(1), such units shall not be counted in applying the limitations contained in such section on the number of units of family housing for which the Secretary concerned may waive such maximum lease amounts.

Foreign Leasing Fiscal Year Summary

The FY 2015 unit authorization consists of 6 units provided for members in overseas locations in which the Department of State International Cooperative Administrative Support Services (ICASS) program administers the lease (Foreign Area Officer (FAO), Olmsted Scholar, School of Other Nations program and other Foreign Professional Military Education program) with the Marine Corps providing the appropriated funding. Funding in the amount of \$0.334 million is required to support these leases.

The FY 2016 unit authorization consists of 15 leases provided for members in overseas locations in which the Department of State International Cooperative Administrative Support Services (ICASS) program administers the lease (Foreign Area Officer (FAO), Olmsted Scholar, School of Other Nations program and other Foreign Professional Military Education program) with the Marine Corps providing the appropriated funding. Funding in the amount of \$0.896 million is required to support these leases.

The FY 2017 unit authorization consists of 10 leases provided for members in overseas locations in which the Department of State International Cooperative Administrative Support Services (ICASS) program administers the lease (Foreign Area Officer (FAO), Olmsted Scholar, School of Other Nations program and other Foreign Professional Military Education program) with the Marine Corps providing the appropriated funding. Funding in the amount of \$0.826 million is required to support these leases.

FAMILY HOUSING - MARINE CORPS

Section 802 Units*

FY 2017

Location	FY 2015			FY 2016			FY 2017		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Section 802 Leases									
MCB Hawaii, HI	276	3,312	450	276	3,312	621	0	0	0
Total Section 802 Leases	276	3,312	450	276	3,312	621	0	0	0

* Reflects all Operations & Maintenance Costs associated with the Section 802 units FY15 through FY17.

FAMILY HOUSING - MARINE CORPS
 (Other than Section 801 and Section 802 Units)
 FY 2017

Location	FY 2015			FY 2016			FY 2017		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Foreign Leasing									
* Rio De Janiero, Brazil	0	0	0	0	0	0	1	12	153
* Cairo, Egypt	0	0	0	1	12	71	1	12	71
* Tblisi, Georgia	2	24	196	0	0	0	1	12	98
* Accra, Ghana	0	0	0	1	12	87	1	12	88
* New Delhi, India	0	0	0	0	0	0	1	12	55
* Tel Aviv, Israel	2	24	96	2	24	131	2	24	132
* Amman, Jordan	0	0	0	1	12	85	1	12	86
* Rabat, Morocco	0	0	0	1	12	97	1	12	98
* Muscat, Oman	0	0	0	2	24	86	0	0	0
* Dakar, Senegal	1	12	28	2	24	107	0	0	0
* Tunis, Tunisia	0	0	0	1	12	45	1	12	45
* Ankara, Turkey	1	12	14	2	24	90	0	0	0
* Kiev, Ukraine	0	0	0	1	12	47	0	0	0
* Hanoi, Vietnam	0	0	0	1	12	50	0	0	0
Total Foreign Leases	6	72	334	15	180	896	10	120	826

* STATE DEPARTMENT pool leases do not count against the total number of high cost leases allowed.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

LEASING

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2016 President's Budget Request		1,517
2. FY 2016 Appropriated Amount		1,517
3. FY 2016 Current Estimate		1,517
4. Price Growth		21
a. Inflation	21	
5. Program Decreases		(712)
a. Section 802 Leases (Moving and Handling)	(621)	
b. Department of State Leases	(91)	
6. FY 2017 President's Budget Request		826

RATIONALE FOR CHANGES IN THE LEASING ACCOUNT

Price Growth in the Leasing Account is due to Inflation. Program Decreases are for a reduced level of Department of State leases in support of the Foreign Affairs Officers program and for termination of Section 802 Housing in Hawaii. For additional details, please see Marine Corps FH-4: Analysis of Leased Units.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
DEPARTMENT OF THE NAVY PRIVATIZATION SUMMARY

(\$000)

FY 2017 Budget Request	\$26,320
FY 2016 Program Budget	\$28,668

Purpose and Scope

The Fiscal Year 1996 Military Housing Privatization Initiative (MHPI) included in Public Law 104-106 is an essential tool used by the Department of the Navy (DON) to eliminate inadequate housing. The Privatization Initiative permits DON to enter into business agreements with the private sector, utilizing private sector resources, leveraged by Navy assets (inventory, land, & funding), to improve, replace, and build family housing faster than could otherwise be accomplished through the traditional military construction approach. Private business entities will own, operate, and maintain housing on behalf of the DON and lease quality homes to military personnel and their families at affordable rates.

Program Summary

To date, the DON has awarded 42 Public Private Venture (PPV) projects. The DON took a deliberate, measured approach in evaluating which blend of authorities would provide the desired leverage of resources with sufficient protection of the Government's resources and interests over the long-term. These 42 projects have been executed through FY 2015, totaling over 62,200 homes. This number reflects privatized housing end states. Please see the appropriate Service narrative summary and FH-6 exhibits for project-level details.

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DEPARTMENT OF THE NAVY
 FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
NAVY PRIVATIZATION SUMMARY

(\$000)

FY 2017 Budget Request \$16,260
 FY 2016 Program Budget \$17,272

Purpose and Scope

The Fiscal Year 1996 Military Housing Privatization Initiative (MHPI) included in Public Law 104-106 is an essential tool used by the Department of the Navy (DON) to eliminate inadequate housing. The Privatization Initiative permits the Navy to enter into business agreements with the private sector, utilizing private sector resources leveraged by Navy assets (inventory, land, & funding), to improve, replace, and build family housing faster than could otherwise be accomplished through the traditional military construction approach. Private entities will own, operate and maintain housing on behalf of the Navy and lease quality homes to military personnel and their families at affordable rates.

Program Summary

The Navy successfully awarded the first two Public Private Venture (PPV) projects in 1996 and 1997 at Corpus Christi/Ingleside/Kingsville, Texas, and Everett, Washington, respectively, under 1995 Limited Partnership legislative authority available only to the Navy. The Navy subsequently modified both projects to pay differential lease payments, reducing rents paid by military members and eliminating out-of-pocket expenses. The Department of the Navy (DON) took a deliberate, measured approach in evaluating which blend of authorities would provide the desired leverage of resources with sufficient protection of the Government's resources and interests over the long-term. With this approach in place, the Navy has awarded nineteen additional projects; three in FY 2001, two in FY 2002, one in FY 2003, one in FY 2004, three in FY 2005, three in FY 2006, three in FY 2007, two in FY 2010, one in FY 2014 and two in FY 2016 for a total of 39,246 homes. Total Navy projects awarded are:

FY 1996	Kingsville, TX (Kingsville I)	0 homes*
FY 1997	Everett, WA (Everett I)	0 homes**
FY 2001	Kingsville, TX (Kingsville II)	150 homes
	Everett, WA (Everett II)	288 homes
	San Diego I	3,248 homes
FY 2002	New Orleans	936 homes
	South Texas	417 homes
FY 2003	San Diego II	3,217 homes
FY 2004	Hawaii I	1,948 homes
FY 2005	Northeast Region	2,950 homes
	Northwest Region	2,745 homes
	Mid-Atlantic Region	5,826 homes
FY 2006	Midwest Region	1,401 homes
	San Diego III	4,268 homes
	Hawaii III	2,349 homes
FY 2007	Southeast Region	4,673 homes
	San Diego PH IV	3,523 homes
	Midwest Region PH II	318 homes

FY 2010	Mid-Atlantic PH II	31 homes
	San Diego PH V	257 homes
FY 2014	Northwest Region PH II	624 homes
FY 2016	Mid-Atlantic PH V	-5 homes
	San Diego PH VI	82 homes

* Project originally 404 homes, however all homes have since been sold.

** Project originally 185 homes, however all homes have since been sold.

In FY 2016, the Navy plans to award San Diego PH VI, which will convey 124 existing units and projects an end-state of 82 homes. Additionally, the Navy plans to award Mid-Atlantic PH V, which demolishes five homes located in the Runway Clear Zone at NAS Patuxent River. This will give the Navy an EOY 2016 PPV end-state of 39,246 homes. The FH-6 - Family Housing Privatization Exhibit provides further detail.

There are an additional 646 Navy homes that were privatized within another Service's project, not included in the tables. There is an Army RCI project that includes the privatization of 593 Navy homes at Monterey, CA and a Marine Corps project (Atlantic Marines PH III/CLCPS Phase IV/Tri-Command Communities) that includes the privatization of 53 Navy homes at Beaufort, SC.

PPV is one of the approaches to eliminate inadequate homes. The Navy is utilizing a three-pronged approach for eliminating inadequate homes including reliance on Basic Allowance for Housing (BAH), PPVs, and traditional construction funding.

DEPARTMENT OF THE NAVY, NAVY
 FH-6 Family Housing Privatization
 Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ⁴						Authorities ⁷
		Units Conveyed ⁵	End State Units ⁵	Funding Source ⁶			Project	
				Amount (\$M)	Budget Year(s)	Type		
Jul-06	Kingsville I	0	0	9.500	FY96	FHIF	PL 104-32	#2 & 10 USC 2837, 2880, 2881
	Kingsville/Portland, TX			1.800	FY95	FHNC	H291 CMP Pendleton	
Mar-07	Everett I	0	0	6.700	FY96	FHNC	H314 PWC San Diego	#3 & 10 USC 2837
	NS Everett, WA			3.000	FY96	FHNC	H314 PWC San Diego	
Nov-00	Kingsville II	244	150	2.900	FY97	FHNC	H315 PWC San Diego	#1, #2, #4 & 10 USC 2880, 2881
	NS Kingsville, TX			2.600	FY99		PL 105-237	
Dec-00	Everett II	0	288	12.200	FY97	FHNC	H508 NS Puget Sound	#2, #3 & 10 USC 2880, 2881
	NS Everett, WA			2.800	FY97	FHNC	H508 NS Puget Sound	
Aug-01	San Diego PH I	2,660	3,248	3.400	FY99	FHIF	PL 105-237	#2, #4 & 10 USC 2880, 2881
	NS San Diego, CA			0.500	FY99		H379 NPWC Pearl Harbor	
Oct-01	New Orleans	498	936	11.900	FY98	FHNC	H-571 PWC San Diego	#2, #4 & 10 USC 2880, 2881
	NS New Orleans, LA			9.000	FY99		PL 100-202	
Feb-02	South Texas	537	417	6.200	FY97	FHNC	H-365 FY97 MCAS Beaufort	#2, #4 & 10 USC 2880, 2881
	NS Corpus Christi, TX	465	417	11.900	FH98	FHNC	H-389 NAS New Orleans	
May-03	San Diego PH II	3,302	3,217	5.000	FY01	FHNC	H-535 NSA New Orleans	#2, #4 & 10 USC 2880, 2881
	NS San Diego, CA			22.300	FY98	FHNC	H-581 NAS Corpus Christi	
May-04	Hawaii Regional PH I	2,003	1,948	7.100	N/A	FHIF	H-365 FY97 MCAS Beaufort	#2, #4 & 10 USC 2880, 2881, 2882 (c)
	NAVSTA Pearl Harbor			0.000			No DON Contribution	
Nov-04	Northeast Regional	5,601	2,950	24.742	FY03	FHIMP	H-1-03 - Pearl Harbor PPV Seed	#2, #4 & 10 USC 2872(a), 2880, 2881
	Lakehurst, NJ	189	114	0.258	FY03	Design		
	New London, CT	2,119	1,395					
	NAVSTA Newport, RI	1,346	690					
	NSY Portsmouth, NH	233	212					
	NSU Saratoga Springs, NY	200	200					
	Mitchel Complex NRD NY	510	250					
	NAVWPNSTA Earle, NJ	254	89					
	NAS Brunswick, ME	750	0					
					0.000			

DEPARTMENT OF THE NAVY, NAVY
 FH-6 Family Housing Privatization
 Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ⁴						Authorities ⁷
		Units Conveyed ⁵	End State Units ⁵	Funding Source ⁶			Project	
				Amount (\$M)	Budget Year(s)	Type		
Feb-05	Northwest Regional PH I	3,098	2,745	10,112	FY01	Design	#2, #4 & 10 USC 2872(a), 2880, 2881, 2882 (c)	
	NB Kitsap-Bangor, WA	1,218	1,038	5,762	FY02	FHIMP		
	NS Kitsap-Bremerton, WA	219	63					
	NAS Whidbey, WA	1,552	1,503					
	NS Everett, WA	109	141					
	Mid-Atlantic Regional Hampton Roads, VA:	5,695	5,826					
Aug-05	NAVSTA Norfolk	4,057	4,379				#2, #4 & 10 USC 2872(a), 2880, 2881	
	NAB Little Creek							
	Portsmouth Naval Hospital							
	USNA Annapolis, MD	370	261	0.000				
	NSWC Dahlgren, VA	250	204					
	NSWC Indian Head, MD	159	151					
	NAS Patuxent River, MD	778	750					
	NSGA Sugar Grove, WV	80	80					
	Tingey House, WNY, DC ⁸	1	1					
	Midwest Regional PH I	2,764	1,401	24,079	FY03	FHNC		
Jan-06	N. Chicago, IL:	2,006	1,056				#2, #4 & 10 USC 2872(a), 2880, 2881, 2883	
	NTC Great Lakes							
	Naval Hospital GL							
	Fort Sheridan, IL	329	209					
	Post BRAC land	400	112					
	Former Base, NAS Glenview	29	24					
May-06	San Diego PH III	2,667	4,268				#2, #4 & 10 USC 2872(a), 2880, 2881	
	NS San Diego, CA	1,512	1,510					
	NAB Coronado, CA	94	97					
	NAVSUBASE San Diego, CA	530	530					
	Naval Command Control & Ocean Surveillance Center	4	4	0.000				
	Naval Medical Center, San Diego	4	4					
MCAS Miramar	523	2,123						

DEPARTMENT OF THE NAVY, NAVY
 FH-6 Family Housing Privatization
 Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ⁴						Authorities ⁷
		Units Conveyed ⁵	End State Units ⁵	Funding Source ⁶			Project	
				Amount (\$M)	Budget Year(s)	Type		
Sep-06	Hawaii Regional PH III	2,489	2,349					#2, #4 & 10 USC 2872(a), 2880, 2881
	NAVSTA Pearl Harbor, NSY PH	2,295	2,155	0.000			No DON Contribution	
	NCTAMS PAC, Oahu, HI	138	138					
	PMRF Barking Sands, Kauai	56	56					
	Southeast Regional	7,178	4,673					
Sep-07	NAS Pensacola, FL	571	547	16.981	FY03	FHIMP	H-1-97-1 - Charleston, SC	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NAS Whiting Field, FL	328	247	3.874	FY03	Design		
	NSA Panama City, FL	65	49	5.059	FY06	FHIMP	H-04-97 - Atsugi, Japan	
	NWS Charleston, SC	1,885	649	6.306	FY06	FHIMP	H-06-92 - Guam, Guam	
	NS Mayport, FL	1,156	940	2.000	FY06	Design		
	NAS Jacksonville, FL	532	302	10.700	FY06	FHNC	H-439 - Gulfport MS	
	NSB Kings Bay, GA	610	399	19.900	FY07	FHIMP	H-01-07 - SE Region PPV Seed	
	NAS Key West, FL	890	733	8.400	FY09	FHIMP	H-1-09 - Gulfport, MS	
	NASuRB Ft Worth, TX	83	83					
	NAS Meridian, MS	481	163					
	NCBC Gulfport, MS	577	561					
	San Diego PH IV	3,550	3,523					
Sep-07	NAWS China Lake, CA	192	192					#2, #4 & 10 USC 2872(a), 2880, 2881
	NAS Lemoore, CA	1,590	1,590	0.000			No DON Contribution	
	NAVBASE Ventura County, CA	1,240	1,222					
	NAF El Centro, CA	101	101					
	NAWPNSTA Seal Beach, CA	197	188					
NAS Fallon, NV	230	230						
Sep-07	Midwest Regional PH II	401	318					#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Mid-South, Millington, TN			7.867	FY03	FHNC	H-643 - Lemoore, CA	
Feb-10	Mid-Atlantic Regional PH II	55	31					#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Mechanicsburg, PA			0.888	FY03	FHNC	H-595 - Pascagoula, MS	
				1.014	FY03	Design		
				12.231	FY06	FHIMP	H-04-97 - Atsugi, Japan	
				0.000			No DON Contribution	

DEPARTMENT OF THE NAVY, NAVY
 FH-6 Family Housing Privatization
 Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ⁴					Authorities ⁷
		Units Conveyed ⁵	End State Units ⁵	Funding Source ⁶			
				Amount (\$M)	Budget Year(s)	Type	
Feb-10	San Diego PH V	259	257	0.000		No DON Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Washington DC	258	256				
	NSA Annapolis, MD	1	1				
Jun-14	Northwest Regional PH II	870	624	27.500 10.486 0.014	FY13 FY13 FY11	FHIMP FHIF FHIMP	#2, #4 & 10 USC 2872(a), 2880, 2881, 2882 (c), 2883
	Bangor/Bremerton, WA						
Mar-16 ⁹	Mid-Atlantic Regional PH V	(5)	(5)	2.080	FY12	FHIMP	#2, 10 USC 2883
	NAS Patuxent River, MD	(5)	(5)				
Sep-16 ⁹	San Diego PH VI	124	82	0.000		No DON Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NAVBASE Ventura County, CA						
	Grand Totals	43,995	39,246	325.253			

NOTES:

- 1 - The date real property is transferred (land and housing units) to private ownership/developer, and when service members become entitled to receive a basic allowance for housing.
- 2 - For grouped projects, the first line should be the grouped project name with lines below for each installation and state in the grouped project.
- 3 - The latest scope and funding amount approved by OSD and OMB in a scoring package, which should be consistent with the latest Transfer of Funds into the FHIF Notifications to Congress.
- 4 - The actual/current scope and funding, as of 30 Sep 2013, corresponding to the end state that the owner is obligated to provide, subsequent to OSD/OMB approval, based on changes due to local market conditions and operational transformations. These definitions are consistent with those in the semi-annual MHIPI Program Evaluation Plan Report.
- 5 - Show the total conveyed and end-state units for a grouped project, and for each installation within a grouped project.
- 6 - Provide all funding sources.
- 7 - AUTHORITIES:
 - 1 - 10 USC 2873 "Direct Loans and Loan Guarantees"
 - 2 - 10 USC 2875 "Investments in Nongovernmental Entities"
 - 3 - 10 USC 2877 "Differential Lease Payments"
 - 4 - 10 USC 2878 "Conveyance or Lease of Existing Property and Facilities"
- 8 - Unit was actually transferred to PPV partner in 2007.
- 9 - Pending final OSD/OMB approval and final notification to Congress.

**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

PRIVATIZATION SUPPORT COSTS

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2016 President's Budget Request		17,272
2. FY 2016 Appropriated Amount		17,272
3. FY 2016 Current Estimate		17,272
4. Price Growth:		274
a. Civilian Personnel Compensation	93	
b. Inflation	181	
5. Program Decreases:		(1,286)
a. BBA Reductions	(1,286)	
6. FY 2017 President's Budget Request		16,260

RATIONALE FOR CHANGES IN THE PRIVATIZATION SUPPORT ACCOUNT

This program includes all costs related to the development, evaluation, and oversight of family housing privatization projects and reflects estimated costs associated with both in-house and contractor support of housing privatization efforts within the Navy. This program includes management support costs for the Residential Energy Conservation Program (RECP), which is intended to reduce energy consumption in PPV homes by rewarding residents who conserve energy and charging those who consume more than 10% of the average consumption of similar homes. Price Growth in the Privatization Support account is due to Civilian Personnel Compensation and Inflation adjustments. The Program Decrease is due to Bipartisan Budget Act (BBA) reductions applied to all FHOPS accounts.

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DEPARTMENT OF THE NAVY
 FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
MARINE CORPS PRIVATIZATION SUMMARY

(\$000)

FY 2017 Program \$ 10,060
 FY 2016 Program \$ 11,396

Purpose and Scope

The Fiscal Year 1996 Military Housing Privatization Initiative (MHPI) included in Public Law 104-106 is an essential tool used by the Department of the Navy (DON) to eliminate inadequate housing. The Privatization Initiative permits the Marine Corps to enter into business agreements with the private sector to utilize private sector resources, leveraged by DON assets (inventory, land and funding), to improve, replace, and build family housing faster than could otherwise be accomplished through the traditional military construction approach. Private business entities will own, operate and maintain housing and lease quality homes to military personnel and their families at affordable rates.

Program Summary

Overall, the Marine Corps has awarded the following 19 Family Housing projects (inclusive of phases), privatizing over 23,000 units (99.6 percent of the Marine Corps United States inventory):

FY 2001	Camp Pendleton 1 (Deluz)	712 homes
FY 2003	Beaufort / Parris Island (Merged with CLCPS Phase III / Atlantic Marines III)	1,718 homes
FY 2004	Camp Pendleton 2 / Quantico I	4,536 homes
FY 2005	Camp Pendleton 2 / Quantico II	897 homes
FY 2006	Camp Lejeune / Cherry Point / Stewart I (Atlantic Marines I)	3,124 homes
	Camp Pendleton 2 / Quantico III	1,488 homes
	Camp Lejeune / Cherry Point / Stewart II (Atlantic Marines II)	1,186 homes
	Camp Pendleton 2 / Quantico IV	3,160 homes
	Hawaii II	1,175 homes
FY 2007	Camp Lejeune / Cherry Point / Stewart III (Atlantic Marines III)	2,031 homes
FY 2007	Camp Pendleton 2 / Quantico V	253 homes
	Hawaii IV	917 homes
FY 2009	Mid-Atlantic Region III	260 homes
FY 2010	Camp Pendleton 2 / Quantico VI	139 homes
	Camp Pendleton 2 / Quantico VII	172 homes
	Mid-Atlantic Region IV	300 homes
	Camp Pendleton 2 / Quantico VIII	600 homes
	Hawaii V	224 homes
FY 2013	Camp Lejeune / Cherry Point / Stewart IV (Atlantic Marines IV)	1 home
FY 2015	Hawaii VI	260 homes
FY 2016	Camp Pendleton 2/ Quantico IX	-118 homes

Seventeen of the projects (inclusive of phases) have completed their Initial Development Plans (IDPs). Over 17,300 homes have been constructed or renovated thus far under the IDPs.

All installations with privatized housing show a marked increase in resident satisfaction since privatization. Feedback from residents of existing privatized housing not only continues to be positive, particularly in areas relating to quality of services and responsiveness of property management. The residents remain pleased with the turnaround time on maintenance trouble calls and change of occupancy.

The Marine Corps' PPV portfolio continues to explore energy initiatives that make fiscal sense. The Resident Energy Conservation Program (RECP) is promoting and rewarding the frugal and responsible use of energy by the residents in Marine Corps privatized housing. The Marine Corps has aggressively implemented RECP enterprise-wide in over 99% of all privatized family housing. RECP continues to save the USMC PPV portfolio millions of dollars a year while significantly conserving energy. Recently, the Marine Corps' PPV projects are exploring opportunities to enter into Power Purchase Agreements (PPA) utilizing solar power from panels installed on the PPV housing roofs. MCB Hawaii PPV housing already has a 5mW existing PPA. It is expected that the MCB Camp Pendleton PPV partner will be entering a 9mW in early FY16 and additional efforts at Twentynine Palms are being investigated.

The Marine Corps is constantly incorporating lessons learned from the expanding portfolio of the Department of Navy awarded projects to refine its Privatization Portfolio Management Program. Projects are developed with a business-based approach and structured to ensure rents and reasonable utilities do not exceed a service member's basic allowance for housing rate, and ensure sufficient cash flow exists to adequately operate, maintain and revitalize the inventory over the life of the 50-year business agreement.

The Marine Corps has successfully collaborated with its' Naval partners and both improved the effectiveness of its' portfolio management and enhanced the level of oversight provided.

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Units Conveyed ⁵	End State Units ⁵	Actual/Current ⁴				Authorities ⁷
				Funding Source ⁶				
				Amount (\$M)	Budget Year(s)	Type	Project	
Nov-2000	Camp Pendleton I (Deluz)	512	712	10.000	FY96	FHNC	MCB Camp Pendleton H-318	#1, #4 and 10 USC 2872a, 2880, 2881, 2882(c), 2883
	MCB Camp Pendleton, CA	512	712	9.406	FY96	FHNC	MCB Camp Pendleton H-364	
Oct-2003	Camp Pendleton 2+ PHI	4,631	4,536	0.621	FY00	FHIMP	MCAS Beaufort BE-H-9601-R2	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	3,205	3,283	0.885	FY00	FHNC	NPWC Pearl Harbor	
	MCRD San Diego, CA	5	5	0.061	FY01	FHIMP	MCAS Beaufort BE-H-9601-R2	
	MCMWTC Bridgeport CA	110	111	0.307	FY01	FHIMP	MCB Camp Pendleton PE-H-0020-M2	
	MCB Quantico, VA	1,311	1,137	0.332	FY01	FHIMP	MCAS Cherry Point CP-H-0110-M2	
				0.034	FY01	FHIMP	MCAS Iwakuni, JA IW-H-9502-R2	
				1.068	FY01	FHIMP	MCAS Iwakuni, JA IW-H-9901-R2	
				0.226	FY01	FHIMP	MCAS Iwakuni, JA IW-H-0001-R2	
				0.519	FY01	FHIMP	MCAS Iwakuni, JA IW-H-9902-R2	
				0.873	FY01	FHIMP	MCAS Iwakuni, JA IW-H-0201-R2	
				0.327	FY01	FHIMP	MCRD Parris Island PI-H-9602-M2/PI-H-9603-R2	
				1.014	FY01	FHIMP	MCAGCC Twentynine Palms TP-H-701-M2	
				6.921	FY02	FHNC	MCB Quantico H-557	
			14.571	FY02	FHIMP	MCB Camp Pendleton PE-PPV		
			41.515	FY03	FHNC	MCB Quantico H-620		
			1.388	FHIF	FHNC	MCB Camp Pendleton		

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Units Conveyed ⁵	End State Units ⁵	Actual/Current ⁴				Authorities ⁷
				Funding Source ⁶				
				Amount (\$M)	Budget Year(s)	Type	Project	
Oct-2004	Camp Pendleton 2+ PH II	897	897	0.728	FY01	Design	Various	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAS Yuma, AZ	821	821	0.960	FY01	Design	Various	
	MCB Camp Pendleton, CA	76	76	0.728	FY02	Design	Various	
				2.537	FY02	Design	Various	
				0.143	FY02	FHIMP	NAS Pensacola	
				0.904	FY03	Design	Various	
Oct-2005	Camp Pendleton 2+ PH III	1,801	1,488	25.702	FY05	FHIMP	MCAGCC 29 Palms TP-H-0501	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	1,567	1,411	20.238	FY05	FHIMP	MCRSC Kansas City KC-H-0501	
	MOBCOM Kansas City, MO	234	77					
	Camp Pendleton 2+ PH IV	2,771	3,160	0.069	FY03	FHIMP	MCAS Yuma YU-H-0124-M2	
	MCB Camp Pendleton, CA	2,771	3,160	0.553	FY03	FHIMP	MCAS Iwakuni IW-H-0302-R2	
Sep-2006				0.142	FY03	FHIMP	MCAS Iwakuni IW-H-0304-R2	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
				21.724	FY03	FHNC	NAS Lemoore H-543	
				0.084	FY06	FHIMP	MCB Hawaii HI-H-0601	
				8.316	FY06	FHIMP	MCB Camp Pendleton PE-H-0601	
				19.564	FY07	FHIMP	MCB Camp Pendleton PE-H-0701	
				1.777	FY04	FHNC	MCAS Cherry Point H-608	
Sep-2007	Camp Pendleton 2+ PH V	250	253	0.724	FY04	FHIMP	MCAS Iwakuni, JA IW-H-0303-R2	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	143	1.660	FY04	Design	Various	
	MCLB Albany, GA	250	110					
Jan-2010	Camp Pendleton 2+ PH VI	0	139	50.000	FY08	FHIMP	MCAGCC 29 Palms TP-H-0801	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	0	139	1.074	FY08	FHIMP	MCAGCC 29 Palms TP-H-0802	
					GWOT			
Jan-2010	Camp Pendleton 2+ PH VII	0	172	25.175	FY08	FHIMP	MCB Camp Pendleton PE-H-0801	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	172	25.000	FY08	FHIMP	MCB Camp Pendleton PE-H-0802	
					GWOT			

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ⁴				End State Units ⁵	Units Conveyed ⁶	Funding Source ⁶			Authorities ⁷
		Amount (\$M)	Budget Year(s)	Type	Project						
Sep-2010	Camp Pendleton 2+ PH VIII MCAGCC 29 Palms, CA	49.600	FY09	FHIMP	MCAGCC 29 Palms TP-H-1001	0	600			#2, #4 and 10 USC 2872a, 2880, 2881, 2883	
						0	600				
Dec-2015	Camp Pendleton 2+ PH IX MCB Camp Pendleton, CA	54.141	FY09	FHIMP	MCB Camp Pendleton PE-H-0901	0	-118			#2, #4 and 10 USC 2872a, 2880, 2881, 2883	
						0	-118				
Oct-2005	Atlantic Marines PH I (CLCPS Phase I) MCB Camp Lejeune, NC MCAS Cherry Point, NC MCAS New River, NC Stewart ANGB, NY	3,124		FHNC	MCAS Cherry Point H-609	3,350				#2, #4 and 10 USC 2872a, 2880, 2881, 2883	
		2,227	FY05	FHIMP	MCB Camp Lejeune LE-H-0501	2,137	2,227				
		466	FY05	FHIMP		591	466				
		260				323	260				
		171				299	171				
Sep-2006	Atlantic Marines PH II (CLCPS Phase II) MCB Camp Lejeune, NC MCAS Cherry Point, NC MCAS New River, NC	1,186		FHIMP	MCB Camp Lejeune LE-H-0601	1,427				#2, #4 and 10 USC 2872a, 2880, 2881, 2883	
		37.303	FY06	FHIMP	MCB Camp Lejeune LE-H-0601	539	539				
		0.250	FY03	Design	MCAS Cherry Point	778	558				
		0.377	FY06	FHIMP	MCB Hawaii HI-H-0601	110	89				
Sep-2007	Atlantic Marines PH III (CLCPS Phase III) MCB Camp Lejeune, NC MCAS Cherry Point, NC Westover ARB, MA	78.951	FY07		MCB Camp Lejeune LE-H-0701	2,440				#2, #4 and 10 USC 2872a, 2880, 2881, 2883	
						1,206	1,398				
						1,110	509				
						124	124				

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2017

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ⁴				End State Units ⁵	Units Conveyed ⁶	Funding Source ⁶				Authorities ⁷
		Amount (\$M)	Budget Year(s)	Type	Project			Amount (\$M)	Budget Year(s)	Type	Project	
Mar-2003	Atlantic Marines PH III (CLCPS Phase IV) (Tri-Command Communities)	14.000	FY97	FHNC	1,718	1,558						#2, #4 and 10 USC 2872a, 2880, 2881, 2882(c), 2883
	MCAS Beaufort, SC	0.200	FY02	FHIMP	1,405	1,275						
	MCRD Parris Island, SC	2.980	FY02	FHIMP	260	230						
	NH Beaufort, SC	4.906	FY02	FHIMP	53	53						
		2.000	FY01	FHNC								
Mar-2013	Atlantic Marines PH IV (CLCPS PH IV)	78.857	FY10	FHIMP	1	1						#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC				136	0						
	MCAS Beaufort, SC				-136	0						
	MCAS Cherry Point NC				0	0						
	MCRD Parris Island, SC				1	1						
Dec-2009	Mid-Atlantic Regional PH III	87.951	FY08	FHIMP	260	0						#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC				260	0						
Sep-2010	Mid-Atlantic Regional PH IV	81.987	FY09	FHIMP	300	0						#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC				300	0						
Sep-2006	Hawaii Regional PH II	65.124	FY06	FHIMP	1,175	1,175						#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI				1,175	1,175						
Sep-2007	Hawaii Regional PH IV	56.052	FY07	FHIMP	917	1,142						#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI				917	1,142						

**DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2017**

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ⁴				End State Units ⁵	Units Conveyed ⁶	Funding Source ⁶			Authorities ⁷
		Amount (\$M)	Budget Year(s)	Type	Project						
Sep-2010	Hawaii Regional PH V				0	224					#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI				0	224					
Sep-2015	Hawaii Regional PH VI				276	260					#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI				276	260					
Grand Totals					22,231	23,035					

NOTES:

- 1 - The date real property is transferred (land and housing units) to private ownership/developer, and when service members become entitled to receive a basic allowance for housing.
- 2 - For grouped projects, the first line should be the grouped project name with lines below for each installation and state in the grouped project.
- 3 - The latest scope and funding amount approved by OSD and OMB in a scoring package, which should be consistent with the latest Transfer of Funds into the FHIF Notifications to Congress.
- 4 - The actual/current scope and funding, as of 30 Sep 2014, corresponding to the end state that the owner is obligated to provide, subsequent to OSD/OMB approval, based on changes due to local market conditions and operational transformations. These definitions are consistent with those in the semi-annual MHIPI Program Evaluation Plan Report.
- 5 - Show the total conveyed and end-state units for a grouped project, and for each installation within a grouped project.
- 6 - Provide all funding sources.
- 7 - AUTHORITIES:
 - 1 - 10 USC 2873 "Direct Loans and Loan Guarantees"
 - 2 - 10 USC 2875 "Investments in Nongovernmental Entities"
 - 3 - 10 USC 2877 "Differential Lease Payments"
 - 4 - 10 USC 2878 "Conveyance or Lease of Existing Property and Facilities"

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**DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2017 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

PRIVATIZATION SUPPORT COSTS

Reconciliation of Increases and Decreases

		<u>(Dollars in Thousands)</u>
1. FY 2016 President's Budget Request		11,396
2. FY 2016 Appropriated Amount		11,396
3. FY 2016 Current Estimate		11,396
4. Price Growth:		83
a. Civilian Personnel Compensation	12	
b. Inflation	71	
5. Program Decreases:		(1,419)
a. Requirements	(1,419)	
6. FY 2017 President's Budget Request		10,060

RATIONALE FOR CHANGES IN THE PRIVATIZATION SUPPORT ACCOUNT

Price Growth in the Privatization Support account is due to Inflation adjustments and Civilian Personnel Compensation. The Program Decrease is based on expected reductions to workload due to completion of the Initial Development Plan (IDP) of additional previously awarded projects and a reduction in new privatization phases.

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FOREIGN CURRENCY EXCHANGE DATA
 FY 2017 BUDGET SUBMISSION
 (\$000)

Appropriation: Family Housing, Navy

Country	FY 2015			FY 2016			FY 2017		
	U.S. \$ Requiring Conversion	Budget Exchange Rate Used	U.S. \$ Requiring Conversion	Budget Exchange Rate Used	U.S. \$ Requiring Conversion	Budget Exchange Rate Used	U.S. \$ Requiring Conversion	Budget Exchange Rate Used	
FHCON									
Japan (Yen)*	0.0	120.1200	0.0	121.8300	0.0	122.4519	0.0	122.4519	
Spain (Euro)*	0.0	0.9462	0.0	0.9049	0.0	0.8990	0.0	0.8990	
SUBTOTAL - FHCON	0.0		0.0		0.0		0.0		
FHOPS									
Greece (Euro)*	175.5	0.9462	178.7	0.9049	149.8	0.8990	149.8	0.8990	
Italy (Euro)*	45,067.8	0.9462	43,428.7	0.9049	36,596.6	0.8990	36,596.6	0.8990	
Japan (Yen)*	54,654.0	120.1200	60,325.5	121.8300	49,670.4	122.4519	49,670.4	122.4519	
Norway (Krone)*	79.2	8.0999	81.9	8.3430	49.6	8.1758	49.6	8.1758	
Portugal (Euro)*	167.9	0.9462	171.3	0.9049	143.6	0.8990	143.6	0.8990	
South Korea (Won)*	421.3	1,101.6400	452.5	1,163.0138	510.9	1,151.5242	510.9	1,151.5242	
Singapore (Dollar)*	5,453.1	1.3715	5,603.4	1.3979	5,620.4	1.3858	5,620.4	1.3858	
Spain (Euro)*	9,142.0	0.9462	8,904.3	0.9049	6,776.0	0.8990	6,776.0	0.8990	
SUBTOTAL - FHOPS	115,160.6		119,146.2		99,517.3		99,517.3		
TOTAL FH,N	115,160.6		119,146.2		99,517.3		99,517.3		

* = Countries in the Foreign Currency Account.

FOREIGN CURRENCY EXCHANGE DATA
 FY 2017 BUDGET SUBMISSION
 (\$000)

Appropriation: Family Housing, Marine Corps

Country	FY 2015			FY 2016			FY 2017		
	U.S. \$ Requiring Conversion	Budget Exchange Rate Used		U.S. \$ Requiring Conversion	Budget Exchange Rate Used		U.S. \$ Requiring Conversion	Budget Exchange Rate Used	
FHCON Japan (Yen) *	15,940.0	103.9439		7,857.0	121.8300		11,047.0	122.4509	
FHOPS Japan (Yen) *	11,054.0	103.9439		15,230.0	121.8300		15,324.0	122.4509	
TOTAL FH,N	26,994.0			23,087.0			26,371.0		

* = Countries in the Foreign Currency Account.