

DEPARTMENT OF THE NAVY

Fiscal Year (FY) 2016

BUDGET ESTIMATES

FY 2016 Program



MILITARY CONSTRUCTION

ACTIVE FORCE (MCON)

JUSTIFICATION DATA
As Submitted to Congress
February 2015

2015-01-27(1022)

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**DEPARTMENT OF THE NAVY
FY 2016 Military Construction**

Table of Contents

STATE LIST	i
INDEX OF LOCATIONS	iii
INDEX OF LOCATIONS (NAVY)	ix
INDEX OF LOCATIONS (MARINES)	xv
MISSION STATUS INDEX	xix
INSTALLATION INDEX	xxiii
APPROPRIATION LANGUAGE	xxv
SPECIAL PROGRAM CONSIDERATIONS	xxvii
PROJECT JUSTIFICATIONS - INSIDE THE UNITED STATES	1
PROJECT JUSTIFICATIONS - OUTSIDE THE UNITED STATES	269
PLANNING AND DESIGN	351
UNSPECIFIED MINOR CONSTRUCTION	353

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DEPARTMENT OF THE NAVY

FY 2016 Military Construction

Summary of Locations

<u>State/Country</u>	Auth Request (\$000)	Approp Request (\$000)
<u>Inside The United States</u>		
ARIZONA	50,635	50,635
CALIFORNIA	190,179	190,179
FLORIDA	61,678	61,678
GEORGIA	64,229	64,229
HAWAII	152,122	152,122
MARYLAND	40,935	40,935
NORTH CAROLINA	97,505	148,062
SOUTH CAROLINA	27,075	27,075
VIRGINIA	253,455	253,455
WASHINGTON	61,329	74,082
Subtotal	999,142	1,062,452
<u>Outside the United States</u>		
BAHRAIN ISLAND	89,791	89,791
GUAM	181,768	181,768
ITALY	102,943	102,943
JAPAN	66,776	66,776
POLAND	51,270	51,270
Subtotal	492,548	492,548
<u>Various Locations</u>		
Various Locations	0	114,239
Subtotal	0	114,239
Total - FY 2016 Military Construction	1,491,690	1,669,239

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DEPARTMENT OF THE NAVY

FY 2016 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>				
	602	Aircraft Maint. Facilities & Apron (So. CALA)	50,635	50,635	Current	3
		Subtotal	50,635	50,635		
		Total - ARIZONA	50,635	50,635		
CALIFORNIA						
		MARINE CORPS BASE CAMP PENDLETON <u>CAMP PENDLETON, CALIFORNIA</u>				
	1220	Raw Water Pipeline Pendleton to Fallbrook	44,540	44,540	Current	9
		Subtotal	44,540	44,540		
		NAVBASE CORONADO SAN DIEGO CA <u>CORONADO, CALIFORNIA</u>				
	998	Coastal Campus Utilities	4,856	4,856	Current	17
		Subtotal	4,856	4,856		
		NAS LEMOORE CA <u>LEMOORE, CALIFORNIA</u>				
	218	RTO and Mission Debrief Facility	7,146	7,146	Current	23
	378	F-35C Hangar Modernization and Addition	56,497	56,497	New	27
	379	F-35C Training Facilities	8,187	8,187	New	31
		Subtotal	71,830	71,830		
		NAVBASE VENTURA CTY PT MUGU CA <u>POINT MUGU, CALIFORNIA</u>				
	565	E-2C/D Hangar Additions and Renovations	19,453	19,453	New	37
	607	Triton Avionics and Fuel System Trainer	2,974	2,974	New	43
		Subtotal	22,427	22,427		
		NAVBASE SAN DIEGO <u>SAN DIEGO, CALIFORNIA</u>				
	499	LCS Support Facility	37,366	37,366	New	49
		Subtotal	37,366	37,366		
		MARINE CORPS BASE TWENTYNINE PALMS <u>TWENTYNINE PALMS, CALIFORNIA</u>				
	1232	Microgrid Expansion	9,160	9,160	Current	55
		Subtotal	9,160	9,160		
		Total - CALIFORNIA	190,179	190,179		

**DEPARTMENT OF THE NAVY
FY 2016 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>						
FLORIDA						
		NAS JACKSONVILLE FL <u>JACKSONVILLE, FLORIDA</u>				
	334	Fleet Support Facility Addition	8,455	8,455	Current	61
	662	Triton Mission Control Facility	8,296	8,296	New	65
		Subtotal	16,751	16,751		
		NAVSTA MAYPORT FL <u>MAYPORT, FLORIDA</u>				
	424	LCS Mission Module Readiness Center	16,159	16,159	New	71
		Subtotal	16,159	16,159		
		NAS PENSACOLA FL <u>PENSACOLA, FLORIDA</u>				
	723	A-School Unaccomp Housing (Corry Station)	18,347	18,347	Current	77
		Subtotal	18,347	18,347		
		NAS WHITING FLD MILTON FL <u>WHITING FIELD, FLORIDA</u>				
	274	T-6B JPATS Training Operations Facility	10,421	10,421	Current	83
		Subtotal	10,421	10,421		
		Total - FLORIDA	61,678	61,678		
GEORGIA						
		MCLB ALBANY GA <u>ALBANY, GEORGIA</u>				
	972	Ground Source Heat Pumps	7,851	7,851	Current	89
		Subtotal	7,851	7,851		
		SUBASE KINGS BAY GA <u>KINGS BAY, GEORGIA</u>				
	670	Industrial Control System Infrastructure	8,099	8,099	Current	95
		Subtotal	8,099	8,099		
		MARINE CORPS AIR STATION BEAUFORT <u>TOWNSEND, GEORGIA</u>				
	474	Townsend Bombing Range Expansion-Phs 2	48,279	48,279	New	101
		Subtotal	48,279	48,279		
		Total - GEORGIA	64,229	64,229		

DEPARTMENT OF THE NAVY
FY 2016 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>						
HAWAII						
		CNI PMRF HAWREA BARKING SANDS <u>BARKING SANDS, HAWAII</u>				
	416	PMRF Power Grid Consolidation	30,623	30,623	Current	109
		Subtotal	30,623	30,623		
		JBPHH PEARL HARBOR HI <u>JOINT BASE PEARL HARBOR-HICKAM, HAWAII</u>				
	036	Welding School Shop Consolidation	8,546	8,546	Current	115
	715	UEM Interconnect Sta C to Hickam	6,335	6,335	Current	121
		Subtotal	14,881	14,881		
		MARINE CORPS BASE HAWAII <u>KANEOHE BAY, HAWAII</u>				
	116	P-8A Detachment Support Facilities	12,429	12,429	New	127
	902	Airfield Lighting Modernization	26,097	26,097	Current	131
	910	Bachelor Enlisted Quarters	68,092	68,092	Current	135
		Subtotal	106,618	106,618		
		Total - HAWAII	152,122	152,122		
MARYLAND						
		NAVAL AIR STATION PAX RIVER <u>PATUXENT RIVER, MARYLAND</u>				
	975	Unaccompanied Housing	40,935	40,935	Current	143
		Subtotal	40,935	40,935		
		Total - MARYLAND	40,935	40,935		
NORTH CAROLINA						
		MARINE CORPS BASE CAMP LEJEUNE <u>CAMP LEJEUNE, NORTH CAROLINA</u>				
	1280	2nd Radio BN Complex, Phase 1	0	50,557	Current	151
	1346	Simulator Integration/Range Control Facility	54,849	54,849	Current	157
		Subtotal	54,849	105,406		
		MCAS CHERRY POINT NC <u>CHERRY POINT MCAS, NORTH CAROLINA</u>				
	194	Unmanned Aircraft System Facilities	29,657	29,657	New	165
	229	KC130J Enlisted Air Crew Trainer Facility	4,769	4,769	New	171
		Subtotal	34,426	34,426		
		MARINE CORPS BASE CAMP LEJEUNE <u>NEW RIVER, NORTH CAROLINA</u>				
	686	Radar Air Traffic Control Facility Addition	4,918	4,918	Current	177
	729	Operational Trainer Facility	3,312	3,312	New	181
		Subtotal	8,230	8,230		
		Total - NORTH CAROLINA	97,505	148,062		

DEPARTMENT OF THE NAVY

FY 2016 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>						
SOUTH CAROLINA						
		MCRD/BEAUFORT PI SC				
		<u>PARRIS ISLAND, SOUTH CAROLINA</u>				
	398	Range Safety Improvements & Modernization	27,075	27,075	Current	187
		Subtotal	27,075	27,075		
		Total - SOUTH CAROLINA	27,075	27,075		
VIRGINIA						
		NAS OCEANA VA				
		<u>DAM NECK, VIRGINIA</u>				
	603	Maritime Surveillance System Facility	23,066	23,066	Current	195
		Subtotal	23,066	23,066		
		NAVSTA NORFOLK VA				
		<u>NORFOLK, VIRGINIA</u>				
	518	MH60 Helicopter Training Facility	7,134	7,134	Current	203
	610	Electrical Repairs to Piers 2, 6, 7 and 11	44,254	44,254	Current	207
	913	Communications Center	75,289	75,289	Current	211
		Subtotal	126,677	126,677		
		NAVAL SUPPORT STATION NRFK NSY				
		<u>PORTSMOUTH, VIRGINIA</u>				
	614	Waterfront Utilities	45,513	45,513	Current	219
		Subtotal	45,513	45,513		
		MARINE CORPS BASE QUANTICO				
		<u>QUANTICO, VIRGINIA</u>				
	647	ATFP Gate	5,840	5,840	Current	227
	707	Embassy Security Guard BEQ & Ops Facility	43,941	43,941	New	233
	714	Electrical Distribution Upgrade	8,418	8,418	Current	239
		Subtotal	58,199	58,199		
		Total - VIRGINIA	253,455	253,455		

DEPARTMENT OF THE NAVY

FY 2016 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>				
	401	Regional Ship Maintenance Support Facility	0	12,753	Current	245
	983	WRA Land/Water Interface	34,177	34,177	New	251
		Subtotal	34,177	46,930		
		NAVAL BASE KITSAP <u>BREMERTON, WASHINGTON</u>				
	431	Dry Dock 6 Modernization & Utility Imprvmnts	22,680	22,680	Current	257
		Subtotal	22,680	22,680		
		CNI NAVMAG INDIAN ISLAND <u>INDIAN ISLAND, WASHINGTON</u>				
	603	Shore Power to Ammunition Pier	4,472	4,472	Current	265
		Subtotal	4,472	4,472		
		Total - WASHINGTON	61,329	74,082		
		Total - Inside The United States	999,142	1,062,452		
<u>Outside the United States</u>						
BAHRAIN ISLAND						
		NAVSUPPACT BAHRAIN <u>SW ASIA, BAHRAIN ISLAND</u>				
	970	Ship Maintenance Support Facility	52,091	52,091	Current	271
	976	Mina Salman Pier Replacement	37,700	37,700	Current	277
		Subtotal	89,791	89,791		
		Total - BAHRAIN ISLAND	89,791	89,791		
GUAM						
		NAVBASE GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	535	Sanitary Sewer System Recapitalization	45,314	45,314	Current	285
		Subtotal	45,314	45,314		
		US NAVSUPACT ANDERSEN GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	635	Municipal Solid Waste Landfill Closure	10,777	10,777	Current	291
	715	Live-Fire Training Range Complex (NW Field)	125,677	125,677	New	295
		Subtotal	136,454	136,454		
		Total - GUAM	181,768	181,768		

DEPARTMENT OF THE NAVY

FY 2016 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>						
ITALY						
		NAS SIGONELLA IT SIGONELLA, ITALY				
	407	Triton Hangar and Operation Facility	40,641	40,641	New	303
	655	P-8A Hangar and Fleet Support Facility	62,302	62,302	New	309
		Subtotal	102,943	102,943		
		Total - ITALY	102,943	102,943		
JAPAN						
		MARINE CORPS BASE, CAMP SMEDLEY BUTLER CAMP BUTLER, JAPAN				
	606	Military Working Dog Facilities (Camp Hansen)	11,697	11,697	Current	317
		Subtotal	11,697	11,697		
		MARINE CORPS AIR STATION IWAKUNI, JAPAN				
	603	E-2D Operational Trainer Complex	8,716	8,716	Current	323
	604	Security Modifications - CVW5/MAG12 HQ	9,207	9,207	Current	327
		Subtotal	17,923	17,923		
		MARINE CORPS BASE, CAMP SMEDLEY BUTLER KADENA AB, JAPAN				
	809	Aircraft Maint. Shelters & Apron (Kadena)	23,310	23,310	New	333
		Subtotal	23,310	23,310		
		COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN				
	023	Child Development Center	13,846	13,846	Current	339
		Subtotal	13,846	13,846		
		Total - JAPAN	66,776	66,776		
POLAND						
		NAVSUPPFAC POLAND REDZIKOWO BASE, POLAND				
	401	Aegis Ashore Missile Defense Complex	51,270	51,270	New	345
		Subtotal	51,270	51,270		
		Total - POLAND	51,270	51,270		
		Total - Outside The United States	492,548	492,548		
<u>Various Locations</u>						
	216	MCON Design Funds	0	91,649	Current	351
	216	Unspecified Minor Construction	0	22,590	Current	353
		Total - Various Locations	0	114,239		
		Grand Total	1,491,690	1,669,239		

DEPARTMENT OF THE NAVY FY 2016 Military Construction

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>				
	998	Coastal Campus Utilities	4,856	4,856	Current	17
		Subtotal	4,856	4,856		
		NAS LEMOORE CA <u>LEMOORE, CALIFORNIA</u>				
	218	RTO and Mission Debrief Facility	7,146	7,146	Current	23
	378	F-35C Hangar Modernization and Addition	56,497	56,497	New	27
	379	F-35C Training Facilities	8,187	8,187	New	31
		Subtotal	71,830	71,830		
		NAVBASE VENTURA CTY PT MUGU CA <u>POINT MUGU, CALIFORNIA</u>				
	565	E-2C/D Hangar Additions and Renovations	19,453	19,453	New	37
	607	Triton Avionics and Fuel System Trainer	2,974	2,974	New	43
		Subtotal	22,427	22,427		
		NAVBASE SAN DIEGO <u>SAN DIEGO, CALIFORNIA</u>				
	499	LCS Support Facility	37,366	37,366	New	49
		Subtotal	37,366	37,366		
		Total - CALIFORNIA	136,479	136,479		
FLORIDA						
		NAS JACKSONVILLE FL <u>JACKSONVILLE, FLORIDA</u>				
	334	Fleet Support Facility Addition	8,455	8,455	Current	61
	662	Triton Mission Control Facility	8,296	8,296	New	65
		Subtotal	16,751	16,751		
		NAVSTA MAYPORT FL <u>MAYPORT, FLORIDA</u>				
	424	LCS Mission Module Readiness Center	16,159	16,159	New	71
		Subtotal	16,159	16,159		
		NAS PENSACOLA FL <u>PENSACOLA, FLORIDA</u>				
	723	A-School Unaccomp Housing (Corry Station)	18,347	18,347	Current	77
		Subtotal	18,347	18,347		
		NAS WHITING FLD MILTON FL <u>WHITING FIELD, FLORIDA</u>				
	274	T-6B JPATS Training Operations Facility	10,421	10,421	Current	83
		Subtotal	10,421	10,421		
		Total - FLORIDA	61,678	61,678		

DEPARTMENT OF THE NAVY
FY 2016 Military Construction
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>						
GEORGIA						
		SUBASE KINGS BAY GA <u>KINGS BAY, GEORGIA</u>				
	670	Industrial Control System Infrastructure	8,099	8,099	Current	95
		Subtotal	8,099	8,099		
		Total - GEORGIA	8,099	8,099		
HAWAII						
		CNI PMRF HAWREA BARKING SANDS <u>BARKING SANDS, HAWAII</u>				
	416	PMRF Power Grid Consolidation	30,623	30,623	Current	109
		Subtotal	30,623	30,623		
		JBPHH PEARL HARBOR HI <u>JOINT BASE PEARL HARBOR-HICKAM, HAWAII</u>				
	036	Welding School Shop Consolidation	8,546	8,546	Current	115
	715	UEM Interconnect Sta C to Hickam	6,335	6,335	Current	121
		Subtotal	14,881	14,881		
		MARINE CORPS BASE HAWAII <u>KANEOHE BAY, HAWAII</u>				
	116	P-8A Detachment Support Facilities	12,429	12,429	New	127
		Subtotal	12,429	12,429		
		Total - HAWAII	57,933	57,933		
MARYLAND						
		NAVAL AIR STATION PAX RIVER <u>PATUXENT RIVER, MARYLAND</u>				
	975	Unaccompanied Housing	40,935	40,935	Current	143
		Subtotal	40,935	40,935		
		Total - MARYLAND	40,935	40,935		

DEPARTMENT OF THE NAVY
FY 2016 Military Construction
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>						
VIRGINIA						
		NAS OCEANA VA <u>DAM NECK, VIRGINIA</u>				
	603	Maritime Surveillance System Facility	23,066	23,066	Current	195
		Subtotal	23,066	23,066		
		NAVSTA NORFOLK VA <u>NORFOLK, VIRGINIA</u>				
	518	MH60 Helicopter Training Facility	7,134	7,134	Current	203
	610	Electrical Repairs to Piers 2, 6, 7 and 11	44,254	44,254	Current	207
	913	Communications Center	75,289	75,289	Current	211
		Subtotal	126,677	126,677		
		NAVAL SUPPORT STATION NRFK NSY <u>PORTSMOUTH, VIRGINIA</u>				
	614	Waterfront Utilities	45,513	45,513	Current	219
		Subtotal	45,513	45,513		
		Total - VIRGINIA	195,256	195,256		
WASHINGTON						
		NAVAL BASE KITSAP <u>BANGOR, WASHINGTON</u>				
	401	Regional Ship Maintenance Support Facility	0	12,753	Current	245
	983	WRA Land/Water Interface	34,177	34,177	New	251
		Subtotal	34,177	46,930		
		NAVAL BASE KITSAP <u>BREMERTON, WASHINGTON</u>				
	431	Dry Dock 6 Modernization & Utility Imprvmnts	22,680	22,680	Current	257
		Subtotal	22,680	22,680		
		CNI NAVMAG INDIAN ISLAND <u>INDIAN ISLAND, WASHINGTON</u>				
	603	Shore Power to Ammunition Pier	4,472	4,472	Current	265
		Subtotal	4,472	4,472		
		Total - WASHINGTON	61,329	74,082		
		Total - Inside The United States	561,709	574,462		

DEPARTMENT OF THE NAVY FY 2016 Military Construction

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>						
BAHRAIN ISLAND						
		NAVSUPPACT BAHRAIN <u>SW ASIA, BAHRAIN ISLAND</u>				
	970	Ship Maintenance Support Facility	52,091	52,091	Current	271
	976	Mina Salman Pier Replacement	37,700	37,700	Current	277
		Subtotal	89,791	89,791		
		Total - BAHRAIN ISLAND	89,791	89,791		
GUAM						
		NAVBASE GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	535	Sanitary Sewer System Recapitalization	45,314	45,314	Current	285
		Subtotal	45,314	45,314		
		US NAVSUPACT ANDERSEN GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	635	Municipal Solid Waste Landfill Closure	10,777	10,777	Current	291
		Subtotal	10,777	10,777		
		Total - GUAM	56,091	56,091		
ITALY						
		NAS SIGONELLA IT <u>SIGONELLA, ITALY</u>				
	407	Triton Hangar and Operation Facility	40,641	40,641	New	303
	655	P-8A Hangar and Fleet Support Facility	62,302	62,302	New	309
		Subtotal	102,943	102,943		
		Total - ITALY	102,943	102,943		
JAPAN						
		MARINE CORPS AIR STATION <u>IWAKUNI, JAPAN</u>				
	603	E-2D Operational Trainer Complex	8,716	8,716	Current	323
	604	Security Modifications - CVW5/MAG12 HQ	9,207	9,207	Current	327
		Subtotal	17,923	17,923		
		COMFLEACT YOKOSUKA JA <u>YOKOSUKA, JAPAN</u>				
	023	Child Development Center	13,846	13,846	Current	339
		Subtotal	13,846	13,846		
		Total - JAPAN	31,769	31,769		
POLAND						
		NAVSUPPFAC POLAND <u>REDZIKOWO BASE, POLAND</u>				
	401	Aegis Ashore Missile Defense Complex	51,270	51,270	New	345
		Subtotal	51,270	51,270		
		Total - POLAND	51,270	51,270		

DEPARTMENT OF THE NAVY
FY 2016 Military Construction
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>						
Total - Outside The United States			331,864	331,864		
<u>Various Locations</u>						
216		MCON Design Funds	0	91,649	Current	351
216		Unspecified Minor Construction	0	22,590	Current	353
Total - Various Locations			0	114,239		

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**DEPARTMENT OF THE NAVY
FY 2016 Military Construction**

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>				
	602	Aircraft Maint. Facilities & Apron (So. CALA)	50,635	50,635	Current	3
		Subtotal	50,635	50,635		
		Total - ARIZONA	50,635	50,635		
CALIFORNIA						
		MARINE CORPS BASE CAMP PENDLETON <u>CAMP PENDLETON, CALIFORNIA</u>				
	1220	Raw Water Pipeline Pendleton to Fallbrook	44,540	44,540	Current	9
		Subtotal	44,540	44,540		
		MARINE CORPS BASE TWENTYNINE PALMS <u>TWENTYNINE PALMS, CALIFORNIA</u>				
	1232	Microgrid Expansion	9,160	9,160	Current	55
		Subtotal	9,160	9,160		
		Total - CALIFORNIA	53,700	53,700		
GEORGIA						
		MCLB ALBANY GA <u>ALBANY, GEORGIA</u>				
	972	Ground Source Heat Pumps	7,851	7,851	Current	89
		Subtotal	7,851	7,851		
		MARINE CORPS AIR STATION BEAUFORT <u>TOWNSEND, GEORGIA</u>				
	474	Townsend Bombing Range Expansion-Phs 2	48,279	48,279	New	101
		Subtotal	48,279	48,279		
		Total - GEORGIA	56,130	56,130		
HAWAII						
		MARINE CORPS BASE HAWAII <u>KANEOHE BAY, HAWAII</u>				
	902	Airfield Lighting Modernization	26,097	26,097	Current	131
	910	Bachelor Enlisted Quarters	68,092	68,092	Current	135
		Subtotal	94,189	94,189		
		Total - HAWAII	94,189	94,189		

**DEPARTMENT OF THE NAVY
FY 2016 Military Construction**

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>						
NORTH CAROLINA						
		MARINE CORPS BASE CAMP LEJEUNE <u>CAMP LEJEUNE, NORTH CAROLINA</u>				
	1280	2nd Radio BN Complex, Phase 1	0	50,557	Current	151
	1346	Simulator Integration/Range Control Facility	54,849	54,849	Current	157
		Subtotal	54,849	105,406		
		MCAS CHERRY POINT NC <u>CHERRY POINT MCAS, NORTH CAROLINA</u>				
	194	Unmanned Aircraft System Facilities	29,657	29,657	New	165
	229	KC130J Enlisted Air Crew Trainer Facility	4,769	4,769	New	171
		Subtotal	34,426	34,426		
		MARINE CORPS BASE CAMP LEJEUNE <u>NEW RIVER, NORTH CAROLINA</u>				
	686	Radar Air Traffic Control Facility Addition	4,918	4,918	Current	177
	729	Operational Trainer Facility	3,312	3,312	New	181
		Subtotal	8,230	8,230		
		Total - NORTH CAROLINA	97,505	148,062		
SOUTH CAROLINA						
		MCRD/BEAUFORT PI SC <u>PARRIS ISLAND, SOUTH CAROLINA</u>				
	398	Range Safety Improvements & Modernization	27,075	27,075	Current	187
		Subtotal	27,075	27,075		
		Total - SOUTH CAROLINA	27,075	27,075		
VIRGINIA						
		MARINE CORPS BASE QUANTICO <u>QUANTICO, VIRGINIA</u>				
	647	ATFP Gate	5,840	5,840	Current	227
	707	Embassy Security Guard BEQ & Ops Facility	43,941	43,941	New	233
	714	Electrical Distribution Upgrade	8,418	8,418	Current	239
		Subtotal	58,199	58,199		
		Total - VIRGINIA	58,199	58,199		
		Total - Inside The United States	437,433	487,990		
<u>Outside the United States</u>						
GUAM						
		US NAVSUPACT ANDERSEN GUAM <u>JOINT REGION MARIANAS, GUAM</u>				
	715	Live-Fire Training Range Complex (NW Field)	125,677	125,677	New	295
		Subtotal	125,677	125,677		
		Total - GUAM	125,677	125,677		

**DEPARTMENT OF THE NAVY
FY 2016 Military Construction**

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>CAMP BUTLER, JAPAN</u>				
	606	Military Working Dog Facilities (Camp Hansen)	11,697	11,697	Current	317
		Subtotal	11,697	11,697		
		MARINE CORPS BASE, CAMP SMEDLEY BUTLER <u>KADENA AB, JAPAN</u>				
	809	Aircraft Maint. Shelters & Apron (Kadena)	23,310	23,310	New	333
		Subtotal	23,310	23,310		
		Total - JAPAN	35,007	35,007		
		Total - Outside The United States	160,684	160,684		

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DEPARTMENT OF THE NAVY

FY 2016 Military Construction

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	602	Aircraft Maint. Facilities & Apron (So. CALA)	50,635	Current
<u>CALIFORNIA</u>				
MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA	1220	Raw Water Pipeline Pendleton to Fallbrook	44,540	Current
NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA	998	Coastal Campus Utilities	4,856	Current
NAS LEMOORE CA LEMOORE, CALIFORNIA	218	RTO and Mission Debrief Facility	7,146	Current
	378	F-35C Hangar Modernization and Addition	56,497	New
	379	F-35C Training Facilities	8,187	New
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	565	E-2C/D Hangar Additions and Renovations	19,453	New
	607	Triton Avionics and Fuel System Trainer	2,974	New
NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA	499	LCS Support Facility	37,366	New
MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA	1232	Microgrid Expansion	9,160	Current
<u>FLORIDA</u>				
NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA	334	Fleet Support Facility Addition	8,455	Current
	662	Triton Mission Control Facility	8,296	New
NAVSTA MAYPORT FL MAYPORT, FLORIDA	424	LCS Mission Module Readiness Center	16,159	New
NAS PENSACOLA FL PENSACOLA, FLORIDA	723	A-School Unaccomp Housing (Corry Station)	18,347	Current
NAS WHITING FLD MILTON FL WHITING FIELD, FLORIDA	274	T-6B JPATS Training Operations Facility	10,421	Current
<u>GEORGIA</u>				
MCLB ALBANY GA ALBANY, GEORGIA	972	Ground Source Heat Pumps	7,851	Current
SUBASE KINGS BAY GA KINGS BAY, GEORGIA	670	Industrial Control System Infrastructure	8,099	Current
MARINE CORPS AIR STATION BEAUFORT TOWNSEND, GEORGIA	474	Townsend Bombing Range Expansion-Phs 2	48,279	New

DEPARTMENT OF THE NAVY

FY 2016 Military Construction

Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request (\$000)	Mission Status
<u>Inside the United States</u>				
<u>HAWAII</u>				
CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII	416	PMRF Power Grid Consolidation	30,623	Current
JBPHH PEARL HARBOR HI	036	Welding School Shop Consolidation	8,546	Current
JOINT BASE PEARL HARBOR-HICKAM, HAWAII	715	UEM Interconnect Sta C to Hickam	6,335	Current
MARINE CORPS BASE HAWAII	116	P-8A Detachment Support Facilities	12,429	New
KANEOHE BAY, HAWAII	902	Airfield Lighting Modernization	26,097	Current
	910	Bachelor Enlisted Quarters	68,092	Current
<u>MARYLAND</u>				
NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND	975	Unaccompanied Housing	40,935	Current
<u>NORTH CAROLINA</u>				
MARINE CORPS BASE CAMP LEJEUNE	1280	2nd Radio BN Complex, Phase 1	50,557	Current
CAMP LEJEUNE, NORTH CAROLINA	1346	Simulator Integration/Range Control Facility	54,849	Current
MCAS CHERRY POINT NC	194	Unmanned Aircraft System Facilities	29,657	New
CHERRY POINT MCAS, NORTH CAROLINA	229	KC130J Enlisted Air Crew Trainer Facility	4,769	New
MARINE CORPS BASE CAMP LEJEUNE	686	Radar Air Traffic Control Facility Addition	4,918	Current
NEW RIVER, NORTH CAROLINA	729	Operational Trainer Facility	3,312	New
<u>SOUTH CAROLINA</u>				
MCRD/BEAUFORT PI SC	398	Range Safety Improvements & Modernization	27,075	Current
PARRIS ISLAND, SOUTH CAROLINA				

DEPARTMENT OF THE NAVY

FY 2016 Military Construction

Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request (\$000)	Mission Status
<u>Inside the United States</u>				
<u>VIRGINIA</u>				
NAS OCEANA VA DAM NECK, VIRGINIA	603	Maritime Surveillance System Facility	23,066	Current
NAVSTA NORFOLK VA NORFOLK, VIRGINIA	518	MH60 Helicopter Training Facility	7,134	Current
	610	Electrical Repairs to Piers 2, 6, 7 and 11	44,254	Current
	913	Communications Center	75,289	Current
NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA	614	Waterfront Utilities	45,513	Current
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	647	ATFP Gate	5,840	Current
	707	Embassy Security Guard BEQ & Ops Facility	43,941	New
	714	Electrical Distribution Upgrade	8,418	Current
<u>WASHINGTON</u>				
NAVAL BASE KITSAP BANGOR, WASHINGTON	401	Regional Ship Maintenance Support Facility	12,753	Current
	983	WRA Land/Water Interface	34,177	New
NAVAL BASE KITSAP BREMERTON, WASHINGTON	431	Dry Dock 6 Modernization & Utility Imprvmnts	22,680	Current
CNI NAVMAG INDIAN ISLAND INDIAN ISLAND, WASHINGTON	603	Shore Power to Ammunition Pier	4,472	Current
<u>Outside the United States</u>				
<u>BAHRAIN ISLAND</u>				
NAVSUPPACT BAHRAIN SW ASIA, BAHRAIN ISLAND	970	Ship Maintenance Support Facility	52,091	Current
	976	Mina Salman Pier Replacement	37,700	Current
<u>GUAM</u>				
NAVBASE GUAM JOINT REGION MARIANAS, GUAM	535	Sanitary Sewer System Recapitalization	45,314	Current
US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM	635	Municipal Solid Waste Landfill Closure	10,777	Current
	715	Live-Fire Training Range Complex (NW Field)	125,677	New
<u>ITALY</u>				
NAS SIGONELLA IT SIGONELLA, ITALY	407	Triton Hangar and Operation Facility	40,641	New
	655	P-8A Hangar and Fleet Support Facility	62,302	New

DEPARTMENT OF THE NAVY FY 2016 Military Construction

Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request (\$000)	Mission Status
<u>Outside the United States</u>				
<u>JAPAN</u>				
MARINE CORPS BASE, CAMP SMEDLEY BUTLER CAMP BUTLER, JAPAN	606	Military Working Dog Facilities (Camp Hansen)	11,697	Current
MARINE CORPS AIR STATION IWAKUNI, JAPAN	603	E-2D Operational Trainer Complex	8,716	Current
	604	Security Modifications - CVW5/MAG12 HQ	9,207	Current
MARINE CORPS BASE, CAMP SMEDLEY BUTLER KADENA AB, JAPAN	809	Aircraft Maint. Shelters & Apron (Kadena)	23,310	New
COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	023	Child Development Center	13,846	Current
<u>POLAND</u>				
NAVSUPPFAC POLAND REDZIKOWO BASE, POLAND	401	Aegis Ashore Missile Defense Complex	51,270	New
<u>Various Locations</u>				
<u>VARIOUS LOCATIONS</u>				
Various Locations	216	MCON Design Funds	91,649	Current
Various Locations	216	Unspecified Minor Construction	22,590	Current

DEPARTMENT OF THE NAVY
FY 2016 Military Construction
Installation Index

Installation	Location	DD1390 PageNo.
	<u>A</u>	
MCLB ALBANY GA	ALBANY, GEORGIA	87
	<u>B</u>	
NAVAL BASE KITSAP	BANGOR, WASHINGTON	243
CNI PMRF HAWREA BARKING SANDS	BARKING SANDS, HAWAII	107
NAVAL BASE KITSAP	BREMERTON, WASHINGTON	255
	<u>C</u>	
MARINE CORPS BASE CAMP LEJEUNE	CAMP LEJEUNE, NORTH CAROLINA	149
MARINE CORPS BASE CAMP PENDLETON	CAMP PENDLETON, CALIFORNIA	7
MCAS CHERRY POINT NC	CHERRY POINT MCAS, NORTH CAROLINA	163
NAVBASE CORONADO SAN DIEGO CA	CORONADO, CALIFORNIA	15
	<u>D</u>	
NAS OCEANA VA	DAM NECK, VIRGINIA	193
	<u>I</u>	
CNI NAVMAG INDIAN ISLAND	INDIAN ISLAND, WASHINGTON	263
	<u>J</u>	
NAS JACKSONVILLE FL	JACKSONVILLE, FLORIDA	59
JBPHH PEARL HARBOR HI	JOINT BASE PEARL HARBOR-HICKAM, HAWAII	113
	<u>K</u>	
MARINE CORPS BASE HAWAII	KANEOHE BAY, HAWAII	125
SUBASE KINGS BAY GA	KINGS BAY, GEORGIA	93
	<u>L</u>	
NAS LEMOORE CA	LEMOORE, CALIFORNIA	21
	<u>M</u>	
NAVSTA MAYPORT FL	MAYPORT, FLORIDA	69
	<u>N</u>	
MARINE CORPS BASE CAMP LEJEUNE	NEW RIVER, NORTH CAROLINA	175
NAVSTA NORFOLK VA	NORFOLK, VIRGINIA	201
	<u>P</u>	
MCRD/BEAUFORT PI SC	PARRIS ISLAND, SOUTH CAROLINA	185
NAVAL AIR STATION PAX RIVER	PATUXENT RIVER, MARYLAND	141
NAS PENSACOLA FL	PENSACOLA, FLORIDA	75
NAVBASE VENTURA CTY PT MUGU CA	POINT MUGU, CALIFORNIA	35
NAVAL SUPPORT STATION NRFK NSY	PORTSMOUTH, VIRGINIA	217
	<u>Q</u>	
MARINE CORPS BASE QUANTICO	QUANTICO, VIRGINIA	225
	<u>S</u>	
NAVBASE SAN DIEGO	SAN DIEGO, CALIFORNIA	47

DEPARTMENT OF THE NAVY
FY 2016 Military Construction
Installation Index

Installation	Location	DD1390 PageNo.
	<u>T</u>	
MARINE CORPS AIR STATION BEAUFORT	TOWNSEND, GEORGIA	99
MARINE CORPS BASE TWENTYNINE PALMS	TWENTYNINE PALMS, CALIFORNIA	53
	<u>W</u>	
NAS WHITING FLD MILTON FL	WHITING FIELD, FLORIDA	81
	<u>Y</u>	
MCAS YUMA AZ	YUMA, ARIZONA	1

DEPARTMENT OF THE NAVY
FY 2016 Military Construction

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 and Marine Corps as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [\$1,018,722,000] \$1,669,239,000 to remain available until September 30, [2019] 2020. Provided, that of this amount, not to exceed [\$33,366,000] \$91,649,000 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 2015 appropriations shown in brackets.

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DEPARTMENT OF THE NAVY
FY 2016 Military Construction
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 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015			
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 Strength: A. As Of 09-30-14 B. End FY 2019		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
		419	3212	803	199	172	0	0	0	5204	10009
		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 2014										1,987,670	
C. AUTHORIZATION NOT YET IN INVENTORY										255,800	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										50,635	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										49,256	
F. PLANNED IN NEXT THREE PROGRAM YEARS										134,313	
G. REMAINING DEFICIENCY										516,803	
H. GRAND TOTAL										2,994,477	
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>						
11655	Aircraft Maint. Facilities & Apron (So. CALA)	02/2013	01/2016	72084 m2	50,635						
					TOTAL	50,635					
9. Future Projects:											
A. Included In The Following Program:											
21105 Aircraft Maintenance Hangar										49,256	
										TOTAL 49,256	
B. Major Planned Next Three Years:											
84110 Water Treatment Plant										25,210	
21188 F-35 Maintenance Built-In Test Pads										1,390	
21107 Hangar 95 Renovation & Addition										24,229	
85110 South Entry Gate										24,292	
21105 Aircraft Maintenance Hangar										49,492	
11125 Vehicle Landing Pads										9,700	
										TOTAL 134,313	
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):											

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: M62974 MCAS YUMA AZ YUMA, ARIZONA		4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.08
A. Pollution Abatement(*):			0
B. Occupational Safety and Health(OSH)(#):			0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maint. Facilities & Apron (So. CALA)	
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P602	8. Project Cost (\$000) 50,635	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT MAINT. FACILITIES & APRON (SO. CALA) (775,906SF)	m2	72,084		29,540
AIRCRAFT MAINTENANCE APRON CC11320 (715,488SF)	m2	66,471	217.61	(14,460)
MAINTENANCE/SHOP FACILITIES CC21104 (60,418SF)	m2	5,613	1,617.21	(9,080)
BUILT-IN EQUIPMENT	LS			(3,200)
SPECIAL COSTS	LS			(2,800)
SUPPORTING FACILITIES				16,090
SITE PREPARATIONS	LS			(3,350)
PAVING AND SITE IMPROVEMENTS	LS			(2,060)
ELECTRICAL UTILITIES	LS			(6,480)
MECHANICAL UTILITIES	LS			(4,200)
SUBTOTAL				45,630
CONTINGENCY (5%)				2,280
TOTAL CONTRACT COST				47,910
SIOH (5.7%)				2,730
SUBTOTAL				50,640
TOTAL REQUEST ROUNDED				50,640
TOTAL REQUEST				50,635
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,415)
10. Description of Proposed Construction:				
Constructs a concrete aircraft maintenance and parking apron and pre-engineered aircraft maintenance and shop buildings with steel framing and spread foundations at the south combat aircraft loading area (CALA). The project will include facilities to provide maintenance, repair, and material storage areas, a ground support equipment storage facility, and personnel support areas. Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and all supporting infrastructure. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maint. Facilities & Apron (So. CALA)	
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P602	8. Project Cost (\$000) 50,635	
accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes Aqueous Film Forming Foam (AFFF) systems, hangar doors, mooring eyes, electrical grounding system, generators and compressed air systems. Special costs include post construction contract award services (PCAS), Arizona Privilege Tax, and geospatial survey and mapping. Operations and maintenance support information (OMSI) is included in this project, as well as digital data. 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. Site Preparation includes site clearing, excavation, grading and preparation for construction. Paving and site improvements include parking for approximately 150 vehicles and road access, curbs, sidewalks, landscaping, fencing and signs, trash enclosure, storm water drainage, security fencing, gates, and turnstiles, bollards, and foreign object debris (FOD) control asphalt paving. Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure systems, telecommunications shelter, and electrical yard. Mechanical utilities include water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines, mechanical yard, wash rack, and industrial control systems. 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>72,084 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maint. Facilities & Apron (So. CALA)	
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P602	8. Project Cost (\$000) 50,635	
Project constructs aircraft maintenance and parking apron, maintenance hangars, shop facilities and site improvements adjacent to the southern CALA to support eight fixed wing fighter aircraft, four rotary/tilt rotor wing aircraft, and two cargo aircraft. (Current Mission) REQUIREMENT: MCAS Yuma supports aerial weapons training and operations for the Marine Fleet Forces and the Navy. It also serves as a base of operations for Marine Aviation Weapons and Tactics Squadron One (MAWTS-1) and Marine Aircraft Group Thirteen (MAG-13). A CALA maintenance facility is required in order to provide weather-protected shelter for the servicing and repair of Navy and Marine Corps aircraft at the organizational level and emergency shelter for inoperable aircraft. Construction of the CALA maintenance facility will also allow for the required safety separation between personnel conducting ordnance loading operations and personnel performing maintenance and repair on the aircraft operations. Aprons must provide sufficient space for parking fixed wing, rotary wing and tilt-rotor aircraft. The apron shall be sized for safe operation of aircraft under their own power, including sufficient taxiway space between parking stalls and maintenance facilities per guidance. CURRENT SITUATION: Aircraft utilizing the southern CALA include rotary/tilt rotor wing and fixed wing aircraft. Maintenance on these aircraft is normally conducted on the existing parking apron, but there are no shelters to protect personnel from weather while performing maintenance on these aircraft. The lack of shelters is problematic during extreme high heat days or infrequent rainy conditions which limits aircraft maintenance activities. Additionally, the explosive safety arc created by ordnance loading requires inoperable aircraft to be towed/taxied to flightline hangars for maintenance that are two and one half miles away from the existing CALA parking apron, impacting aircraft availability for training. IMPACT IF NOT PROVIDED: Aircraft requiring maintenance during the annual Weapons and Tactics Instructors (WTI) Course will not be available and training sorties will be lost. When sorties are lost due to aircraft non-availability, students miss the training event which is not repeated during WTI. Aircraft parked on the southern CALA apron require a nearly three-mile tow with ground guides (on foot) to the existing flightline facilities for maintenance, negatively impacting training availability and readiness. Additionally, without maintenance hangars at the CALA, personnel will have to conduct maintenance on aircraft without shelter protection forcing work to be				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																								
3. Installation(SA)& Location/UIC: M62974 MCAS YUMA AZ YUMA, ARIZONA			4. Project Title Aircraft Maint. Facilities & Apron (So. CALA)																									
5. Program Element 0216496M	6. Category Code 11320	7. Project Number P602	8. Project Cost (\$000) 50,635																									
suspended during hot/inclement weather.																												
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 02/2013 (B) Date 35% Design or Parametric Cost Estimate complete 09/2014 (C) Date design completed 01/2016 (D) Percent completed as of September 2014 35% (E) Percent completed as of January 2015 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 \$2,640 (B) All other design costs \$880 (C) Total \$3,520 (D) Contract \$2,120 (E) In-house \$1,400 4. Contract award: 02/2016 5. Construction start: 03/2016 6. Construction complete: 01/2018 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Aircraft Protection Equipment (APE)</td> <td>OPN</td> <td>2017</td> <td>400</td> </tr> <tr> <td>Communication / Data equipment</td> <td>OPN</td> <td>2017</td> <td>265</td> </tr> <tr> <td>Flight line security equipment</td> <td>OPN</td> <td>2017</td> <td>1,000</td> </tr> <tr> <td>Furniture, fixtures and equipment</td> <td>O&MMC</td> <td>2017</td> <td>750</td> </tr> </tbody> </table> 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)269-3163					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Aircraft Protection Equipment (APE)	OPN	2017	400	Communication / Data equipment	OPN	2017	265	Flight line security equipment	OPN	2017	1,000	Furniture, fixtures and equipment	O&MMC	2017	750
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																										
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																									
Aircraft Protection Equipment (APE)	OPN	2017	400																									
Communication / Data equipment	OPN	2017	265																									
Flight line security equipment	OPN	2017	1,000																									
Furniture, fixtures and equipment	O&MMC	2017	750																									

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA					4. Command Commandant of the Marine Corps			5. Area Const Cost Index 1.12		
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT		TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
A. As Of 09-30-14		3648	36639	3029	728	31097	83	0	0	50475
B. End FY 2019		3592	35677	3119	641	28318	47	0	0	50475
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(127208 Acres)										
B. INVENTORY AS OF 30 SEP 2014 12,155,588										
C. AUTHORIZATION NOT YET IN INVENTORY 770,142										
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 44,540										
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 22,258										
F. PLANNED IN NEXT THREE PROGRAM YEARS 120,730										
G. REMAINING DEFICIENCY 1,960,828										
H. GRAND TOTAL 15,074,086										
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>			
84510	Raw Water Pipeline Pendleton to Fallbrook	03/2014	02/2016			0 LS	44,540			
TOTAL							44,540			
9. Future Projects:										
A. Included In The Following Program:										
* 84151 Potable Water Transmission Line 22,258										
TOTAL							22,258			
B. Major Planned Next Three Years:										
61010 Building H100 Conversion/Renovation 83,172										
73010 Fire Emergency Response Station 8,241										
31710 G/ATOR Support Facilities 29,317										
TOTAL							120,730			
C. R&M Unfunded Requirement (\$000): 586,186										
10. Mission or Major Functions:										
MCB Camp Pendleton supports the combat readiness of 1st 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 Pendleton 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(*): 22,258										
B. Occupational Safety and Health(OSH)(#): 0										

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.12

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title Raw Water Pipeline Pendleton to Fallbrook	
5. Program Element 0216496M	6. Category Code 84520	7. Project Number P1220	8. Project Cost (\$000) 44,540	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RAW WATER PIPELINE PENDLETON TO FALLBROOK	LS			15,110
RAW WATER CONVEYANCE SYSTEM CC84520	LS			(8,480)
SPECIAL COSTS	LS			(6,410)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(220)
SUPPORTING FACILITIES				25,020
SPECIAL CONSTRUCTION FEATURES	LS			(4,120)
SITE PREPARATIONS	LS			(2,110)
PAVING AND SITE IMPROVEMENTS	LS			(2,380)
ELECTRICAL UTILITIES	LS			(7,640)
MECHANICAL UTILITIES	LS			(1,940)
ENVIRONMENTAL MITIGATION	LS			(6,830)
SUBTOTAL				40,130
CONTINGENCY (5%)				2,010
TOTAL CONTRACT COST				42,140
SIOH (5.7%)				2,400
SUBTOTAL				44,540
TOTAL REQUEST ROUNDED				44,540
TOTAL REQUEST				44,540
10. Description of Proposed Construction:				
Constructs facilities needed to implement and fulfill a joint water agreement between Camp Pendleton (CPEN) and the Fallbrook Public Utility District (FPUD), providing a "physical solution" to sixty years of water rights litigation per Public Law 111-11. Construction will include facilities needed to effectively produce, divert, transport, store, measure and deliver water from CPEN to the FPUD service area boundary. Also constructs connections to existing water lines and wells, new pump stations and a combination of new and upsized water pipelines including a bi-directional pipeline to supply and convey water to the FPUD service area boundary. 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.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title Raw Water Pipeline Pendleton to Fallbrook	
5. Program Element 0216496M	6. Category Code 84520	7. Project Number P1220	8. Project Cost (\$000) 44,540	
Special costs include post construction contract award services (PCAS) and geospatial mapping. Operations and maintenance support information (OMSI) is included in this project. 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. Special construction features include: expansion and improvement of existing diversion, conveyance and recharge facilities including a new diversion weir, head-gate and control structures; expansion and improvements to the base water production system including new ground water wells, collection and delivery system; construction and improvement of underground and surface storage facilities; and new and updated industrial control system infrastructure. Trenchless construction will be provided in environmentally sensitive areas. Site preparation includes site clearing, earthwork and preparation for construction. Paving and site improvements include grading, maintenance vehicle parking at pump stations and valve locations, access roads, traffic control, landscaping, curbs, gutters and fencing. Electrical utilities include primary and secondary distribution systems, lighting, transformers, back-up generators and telecommunications infrastructure. Mechanical utilities include water lines with all associated valves, pumps metering and monitoring equipment. Environmental mitigation includes biological and cultural monitoring; mitigation and remediation of natural resource and cultural impacts including jurisdictional waters of the US. 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				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title Raw Water Pipeline Pendleton to Fallbrook	
5. Program Element 0216496M	6. Category Code 84520	7. Project Number P1220	8. Project Cost (\$000) 44,540	
satisfying the facility requirements with the goal of maximizing energy efficiency. The planned project site is within the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project. Portions of this project are being constructed in a floodplain, but no buildings are; therefore no mitigation is required.				
11. Requirement: Adequate: Substandard: PROJECT: Constructs a bi-directional raw water pipeline to FPUD and associated water utility infrastructure needed to deliver water from new and existing wells on Camp Pendleton (CPEN) to FPUD infrastructure on the Naval Weapons Station Seal Beach, Fallbrook Detachment boundary. (Current Mission) REQUIREMENT: This project is required for CPEN to meet its obligations under the Stipulation of Settlement agreement to provide a physical solution to settle 60 years of litigation between CPEN and its neighbor FPUD over rights to the waters of the Santa Margarita River (SMR). The facilities described herein have been agreed to by FPUD, CPEN, and the Bureau of Reclamation (BUREC). Construction and funding of project facilities which fall outside military lands will be overseen by BUREC. The BUREC role and timeline is defined in Public Law 111-11 (2009) which authorizes up to \$60 million for engineering and construction of facilities to build a water project in accordance with terms agreed upon by the parties and other conditions established in the Legislation. The authority of the Secretary of Interior to complete construction of its project will terminate 10 years after the date of enactment of Public Law 111-11, in March 2019. This pipeline is required to be capable to transport an average annual delivery of 382.65 hectare meter per year of untreated groundwater from CPEN's southern system well fields to the FPUD boundary at the NWS. This pipeline and associated infrastructure must be capable of delivering up to 98.75 hectare-feet per month of untreated groundwater to the NWS boundary during wet years since there may be little to no water delivery to FPUD during drought years. CURRENT SITUATION:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title Raw Water Pipeline Pendleton to Fallbrook	
5. Program Element 0216496M	6. Category Code 84520	7. Project Number P1220	8. Project Cost (\$000) 44,540	
The amount of water that MCB CPEN is entitled to draw from the SMR, and amount of water upstream users must allow to flow downstream to the Base, has long been in contention. Formal litigation between CPEN and the Fallbrook Public Utilities District (FPUD) over water rights to the SMR has been ongoing for over 60 years. The Federal Court has decreed the parties to the lawsuit must come up with a physical solution to properly divide the water between them. Authority has been granted in Public Law 111-11, enacted in March 2009, to construct a physical solution, but this authority will expire in 2019. This MILCON project is the Marine Corps' part of that physical solution. The project is designed to satisfy the settlement, end the litigation, and solidify the MCB CPEN water rights to divert water from the river for beneficial use, thereby ensuring an adequate, and undisputed, supply of water from the SMR to meet current and future needs. IMPACT IF NOT PROVIDED: The Marine Corps could find itself in default of the current terms of the negotiated agreement and in violation of the Court's order to find a physical solution to the dispute. The Marine Corps would likely find itself back in active litigation which would fail to end the sixty year litigation over SMR water rights. The expected consequences of defaulting on the agreement are continued costly litigation to resolve the dispute with the FPUD, additional increased infrastructure costs required to resolve the dispute, and most important, significant challenges to the water rights held by MCB CPEN. Without this project, CPEN cannot ensure its future supply of potable water and would have to import and treat water at a much higher cost.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started	03/2014			
(B) Date 35% Design or Parametric Cost Estimate complete	01/2015			
(C) Date design completed	02/2016			
(D) Percent completed as of September 2014	20%			
(E) Percent completed as of January 2015	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	n/a			
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications	\$2,187			
(B) All other design costs	\$729			

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title Raw Water Pipeline Pendleton to Fallbrook	
5. Program Element 0216496M	6. Category Code 84520	7. Project Number P1220	8. Project Cost (\$000) 44,540	
(C) Total				\$2,916
(D) Contract				\$2,675
(E) In-house				\$241
4. Contract award:				04/2016
5. Construction start:				05/2016
6. Construction complete:				05/2018
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 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: (760) 763-6988				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA			4. Project Title Raw Water Pipeline Pendleton to Fallbrook	
5. Program Element 0216496M	6. Category Code 84520	7. Project Number P1220	8. Project Cost (\$000) 44,540	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.14		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1991	14695	3403	0	0	0	300	985	0	21374
	1971	15818	3403	0	0	0	300	985	0	22477
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(4777 Acres)										
B. INVENTORY AS OF 30 SEP 2014										5,735,798
C. AUTHORIZATION NOT YET IN INVENTORY										110,913
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										4,856
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										79,125
F. PLANNED IN NEXT THREE PROGRAM YEARS										90,445
G. REMAINING DEFICIENCY										984,347
H. GRAND TOTAL										7,005,484
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>			
85241	Coastal Campus Utilities	09/2014	09/2015			0 LS	4,856			
							TOTAL	4,856		
9. Future Projects:										
A. Included In The Following Program:										
73025 Coastal Campus Entry Control Point										10,880
85241 Coastal Campus Utilities Infrastructure										68,245
										TOTAL 79,125
B. Major Planned Next Three Years:										
72111 BEQ & Parking Structure, NASNI										83,502
13115 Grace Hopper Data Center Power Upgrades										6,943
										TOTAL 90,445
C. R&M Unfunded Requirement (\$000):										396,138
10. Mission or Major Functions:										
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. The Silver Strand Training Complex, to be moved to Imperial Beach, is the remier training facility for the military's special forces. The facility										

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: N00246 NAVBASE CORONADO SAN DIEGO CA CORONADO, CALIFORNIA		4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.14
provides an excellent training environment with waterborne approaches from both the Pacific Ocean and San Diego Bay sides. The city-like layout of the base also provides a realistic site for critical urban warfare training.			
11. Outstanding Pollution and Safety Deficiencies (\$000):			
A. Pollution Abatement(*):			0
B. Occupational Safety and Health(OSH)(#):			0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND (NRRF)) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Utilities	
5. Program Element 0212576N	6. Category Code 93220	7. Project Number P998	8. Project Cost (\$000) 4,856	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
COASTAL CAMPUS UTILITIES	LS			4,110
COASTAL CAMPUS UTILITIES CC85110	LS			(4,030)
SPECIAL COSTS	LS			(40)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(40)
SUPPORTING FACILITIES				270
SITE PREPARATIONS	LS			(190)
ENVIRONMENTAL MITIGATION	LS			(80)
SUBTOTAL				4,380
CONTINGENCY (5%)				220
TOTAL CONTRACT COST				4,600
SIOH (5.7%)				260
SUBTOTAL				4,860
TOTAL REQUEST ROUNDED				4,860
TOTAL REQUEST				4,856
10. Description of Proposed Construction:				
Project provides utilities and infrastructure to support the initial build-out phases of the Naval Base Coronado (NBC) Silver Strand Training Complex (SSTC) South, CA. Utilities and infrastructure include electrical, gas, water, sanitary sewer, communication and data, and roads in the vicinity of State Route 75 and Rowcliff Boulevard. Special costs include Post Construction Contract Award Services (PCAS). Operations and Maintenance Support Information (OMSI) is included in this project. Site preparation includes clearing, grubbing, excavation, demolition of existing asphalt and pavements and preparation for construction. Environmental mitigation includes cultural and biological monitoring during construction. Avoidance minimization measures will be implemented as required by the NBC Coastal Campus Environmental Impact Statement (EIS). Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND (NRRF)) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Utilities	
5. Program Element 0212576N	6. Category Code 93220	7. Project Number P998	8. Project Cost (\$000) 4,856	
comprehensive sanitary sewerage system does not exist on site, nor is there a comprehensive storm water dispersal system. There is an existing sewer force main that discharges into the sewer system for the city of Imperial Beach. The Imperial Beach sewer system does not currently have the capacity to handle the effluent from the NBC Coastal Campus. The existing water line was constructed in the 1910's and is misaligned within the future development site. Natural gas is not supplied to the site. There is an existing underground electrical ductbank that extends from the San Diego Gas and Electric connection point that serves entire site with electrical power and has limited capacity to support increased development. 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. IMPACT IF NOT PROVIDED: Failure to provide utilities improvements at SSTC-S will prevent four USSOCOM MILCONs for the NBC Coastal Campus from being operational and usable upon their 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				03/2015
(C) Date design completed				09/2015
(D) Percent completed as of September 2014				2%
(E) Percent completed as of January 2015				10%
(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				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$480
(B) All other design costs				\$160
(C) Total				\$640
(D) Contract				\$160
(E) In-house				\$480
4. Contract award:				03/2016
5. Construction start:				04/2016

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00246(SS) NAVBASE CORONADO SAN DIEGO CA (SILVER STRAND (NRRF)) CORONADO, CALIFORNIA			4. Project Title Coastal Campus Utilities	
5. Program Element 0212576N	6. Category Code 93220	7. Project Number P998	8. Project Cost (\$000) 4,856	
6. Construction complete: 09/2016 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: 619.545.1124				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.22		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	771	4647	463	0	0	0	38	337	0	6256
	861	5456	463	0	0	0	38	137	0	6955
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(29408 Acres)										
B. INVENTORY AS OF 30 SEP 2014										2,832,735
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										71,830
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										11,671
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										353,485
H. GRAND TOTAL										3,269,721
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>					
17120	RTO and Mission Debrief Facility	02/2014	05/2016	0 LS	7,146					
21105	F-35C Hangar Modernization and Addition	02/2014	12/2015	8029 m2	56,497					
17135	F-35C Training Facilities	02/2014	05/2016	2034 m2	8,187					
					TOTAL	71,830				
9. Future Projects:										
A. Included In The Following Program:										
21121 F-35C Engine Repair Facility					11,671					
					TOTAL	11,671				
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										396,138
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 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.22

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title RTO and Mission Debrief Facility	
5. Program Element 0815976N	6. Category Code 17120	7. Project Number P218	8. Project Cost (\$000) 7,146	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RTO AND MISSION DEBRIEF FACILITY	LS			5,120
RTO AND MISSION DEBRIEF FACILITY CC17120 (11,615SF)	m2	1,079.1	2,921.52	(3,150)
COMMUNICATION TOWER CC13210	vm	21	86,367.47	(1,810)
BUILT-IN EQUIPMENT	LS			(50)
SPECIAL COSTS	LS			(60)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
SUPPORTING FACILITIES				1,100
SITE PREPARATIONS	LS			(150)
SPECIAL FOUNDATION FEATURES	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(310)
ELECTRICAL UTILITIES	LS			(320)
MECHANICAL UTILITIES	LS			(170)
DEMOLITION	LS			(100)
SUBTOTAL				6,220
CONTINGENCY (5%)				310
TOTAL CONTRACT COST				6,530
SIOH (5.7%)				370
SUBTOTAL				6,900
DESIGN/BUILD - DESIGN COST				250
TOTAL REQUEST ROUNDED				7,150
TOTAL REQUEST				7,146
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,887)
10. Description of Proposed Construction: Constructs a range training officer (RTO) and mission debrief facility with a steel-framed, reinforced concrete masonry unit facility with built-up roof and pile foundation with raised flooring, Secure Compartmented Intelligence Facility and Secure Access Program Facility (SAPF) spaces. The facility will include instructional, flight planning, briefing, administrative and personnel support spaces, communications pods storage area and maintenance areas. This project will provide Anti-Terrorism/Force Protection (AT/FP) features				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title RTO and Mission Debrief Facility	
5. Program Element 0815976N	6. Category Code 17120	7. Project Number P218	8. Project Cost (\$000) 7,146	
and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Special costs include post construction contract award services (PCAS). Project includes operations and maintenance support information (OMSI). 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. Electrical utilities include primary and secondary distribution systems, lighting, transformers, communications tower, and telecommunications infrastructure. Demolition includes pod shop Building #320 (182.09 m2). 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>1,079 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Constructs an applied instruction building for air-to-air and air-to-ground range operations Tactical Combat Training Systems (TCTS), night vision goggle lab, and Multifunction Information Distribution System (MIDS) facility in support of 60 strike fighter aviators. The project also includes a communications tower and replacement communications pod storage area. (Current Mission)				
REQUIREMENT: An RTO and mission debrief facility is needed to support strike fighter operational squadrons pre-deployment work-ups and Strike Fighter Advanced Readiness Program (SFARP) training that utilizes the TCTS system. Additionally, the F/A-18 Fleet Replacement Squadron and F-35C Fleet Replacement Squadron will exercise on the range for syllabus flights, safety of flight monitoring and flight deconfliction. This equates to				

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nearly 8,000 sorties per year requiring debriefings at an Advanced Debriefing Display Subsystem (ADDs). Training is aided with post-mission debriefings conducted with the TCTS ADDs. After the training flight, the squadron can assemble and subjectively evaluate the training conducted. The introduction of F/A-18E/F and F-35C aircraft into the fleet, with their greater ranges, allows aircraft to depart NAS Lemoore and utilize existing TCTS ranges located over the water, at NAS Fallon, NV, or Naval Air Weapons Station China Lake to perform training missions without refueling. As more of these aircraft are stationed at NAS Lemoore, the utilization of the ADDs system dramatically increases. CURRENT SITUATION: The squadron mission debrief function for the F/A-18 FRS is currently performed in undersized and improperly configured spaces in Hangar 5. Project P-378 demolishes the existing inadequate debrief facility to provide additional operational hangar space for the newly arriving F-35C Fleet Replacement Squadron (FRS). Existing space will not be available to support the debrief function for the F-35C FRS. IMPACT IF NOT PROVIDED: The existing ADDs will become overtaxed with demands for time, significantly detracting from one of their most effective debriefing tool. The ability for future SFARPs to be flown out of NAS Lemoore will not be realized due to the lack of adequate ADDs debriefing facilities.																																
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>02/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>05/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>5%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$350</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$350</td> </tr> <tr> <td>(C) Total</td> <td>\$700</td> </tr> <tr> <td>(D) Contract</td> <td>\$200</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	02/2014	(B) Date 35% Design or Parametric Cost Estimate complete	05/2014	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	5%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$350	(B) All other design costs	\$350	(C) Total	\$700	(D) Contract	\$200
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<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																						
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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: (559) 998-4169																								

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title F-35C Hangar Modernization and Addition	
5. Program Element 0703676N	6. Category Code 21105	7. Project Number P378	8. Project Cost (\$000) 56,497	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
F-35C HANGAR MODERNIZATION AND ADDITION (86,423SF)	m2	8,029		26,870
HANGAR ADDITION CC21105 (29,751SF)	m2	2,764	3,212.34	(8,880)
GROUP HANGAR NO 5/TYPE I MOD CC21105 (56,672SF) (RENOVATE)	m2	5,265	2,123.66	(11,180)
BUILT-IN EQUIPMENT	LS			(2,700)
SPECIAL COSTS	LS			(3,720)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(390)
SUPPORTING FACILITIES				24,030
SITE PREPARATIONS	LS			(120)
SPECIAL FOUNDATION FEATURES	LS			(1,500)
PAVING AND SITE IMPROVEMENTS	LS			(1,240)
ELECTRICAL UTILITIES	LS			(20,850)
MECHANICAL UTILITIES	LS			(280)
DEMOLITION	LS			(40)
SUBTOTAL				50,900
CONTINGENCY (5%)				2,550
TOTAL CONTRACT COST				53,450
SIOH (5.7%)				3,050
SUBTOTAL				56,500
TOTAL REQUEST ROUNDED				56,500
TOTAL REQUEST				56,497
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(8,610)
10. Description of Proposed Construction:				
Constructs a steel framed, reinforced concrete masonry unit addition with prefinished insulated metal roof and pile foundation to Hangar 5 Building #330. The addition and renovations will allow all of Hangar 5 to support the Joint Strike Fighter (F-35C) fleet replacement squadron (FRS) maintenance functions including Secure Compartmented Intelligence Facility (SCIF), and Secure Access Program Facility spaces. The addition expands all of the aircraft maintenance high bay space, crews and shops space, administrative and personnel support areas, communication equipment space,				

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and maintenance line shelter space. The project renovates the existing maintenance bays, shop and administrative spaces in Hangar 5 that are not being renovated by FY2015 MILCON project P-328; that supports other operational requirements. The renovation includes selective interior demolition work, asbestos and lead abatement, new finishes, roof replacement, and incidental structural and secondary utility system modifications and upgrades. 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. Built-in equipment includes aqueous film-forming foam (AFFF) system, power supply, conditioned air supply system, SCIF Vault, and work station kiosk for automatic logistics information system connections and lighting at each aircraft protection equipment shelters parking location. Special costs include post construction contract award services (PCAS) and temporary trailers with utilities. Project includes operations and maintenance support information (OMSI). 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. Special foundation features include structural fill and pile foundation. Paving and site improvements include parking for approximately 310 spaces, access roads, sidewalks, curbs and gutters, pedestrian features, stormwater drainage improvements, and oily water separator. Electrical utilities include primary and secondary distribution systems, exterior lighting, substation, transformers, telecommunications infrastructure, and apron lighting, power, grounding upgrades with patching and repair. The telecommunications infrastructure provides connectivity at Hangar 5 to two points of connection (POC) to the main distribution system to be buried in conduits and costing approximately \$1.6 million per mile. These POC are approximately 5 miles to Grangeville Road and approximately 7 miles to Mainside.				

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5. Program Element 0703676N	6. Category Code 21105	7. Project Number P378	8. Project Cost (\$000) 56,497	
Demolition includes line maintenance shelter Building #344 (89.19 m2). 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>8,029 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Provides hangar space for a 40-aircraft F-35C FRS by renovating and expanding Hangar 5. (New Mission) REQUIREMENT: The F-35C replaces the aging F/A-18C Hornet. Facilities are required to support the west coast F-35C FRS. The progressive transition from the legacy F/A-18C to the more advanced F-35C will begin with the first operational squadron arrival in 2016 and FRS stand-up in 2017. Unique technology and infrastructure requirements for the new aircraft require construction and hangar modifications. FY2015 MILCON project P-238 provides initial renovation and additions to Hangar 5 in support of the operational squadron in 2016. This project provides the facilities required to support the FRS which will include the spaces provided by P-328 upon departure of the operational squadron. CURRENT SITUATION: Existing size and configuration of Hangar 5 does not meet the space and electrical requirements to support F-35C aircraft. Renovation of the existing facility and construction of additional space is required to support the new mission requirements. Current hangar space at NAS Lemoore is insufficient and inadequate to support the F-35C. IMPACT IF NOT PROVIDED: NAS Lemoore will be unable to support the mission essential operations, training, and maintenance requirements of F-35C. Severe, negative operational impacts will be imposed on flight, maintenance and training operations.				
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 02/2014 (B) Date 35% Design or Parametric Cost Estimate complete 05/2014 (C) Date design completed 12/2015				

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(D) Percent completed as of September 2014 45% (E) Percent completed as of January 2015 60% (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 \$4,119 (B) All other design costs \$1,000 (C) Total \$5,119 (D) Contract \$2,119 (E) In-house \$3,000 4. Contract award: 03/2016 5. Construction start: 04/2016 6. Construction complete: 04/2017 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Aircraft Protective Equipment (APES)</td> <td>OPN</td> <td>2017</td> <td>2,000</td> </tr> <tr> <td>Comm and Data Equipment</td> <td>OPN</td> <td>2017</td> <td>5,000</td> </tr> <tr> <td>FF&E</td> <td>OMN</td> <td>2017</td> <td>610</td> </tr> <tr> <td>IDS Equipment</td> <td>OPN</td> <td>2017</td> <td>1,000</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Aircraft Protective Equipment (APES)	OPN	2017	2,000	Comm and Data Equipment	OPN	2017	5,000	FF&E	OMN	2017	610	IDS Equipment	OPN	2017	1,000
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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.																												
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3. Installation(SA)& Location/UIC: N63042 NAS LEMOORE CA LEMOORE, CALIFORNIA			4. Project Title F-35C Training Facilities	
5. Program Element 0805976N	6. Category Code 17135	7. Project Number P379	8. Project Cost (\$000) 8,187	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
F-35C TRAINING FACILITIES (21,894SF)	m2	2,034		6,390
OPERATIONAL TRAINING FAC. CC17135 (20,172SF) (RENOVATE)	m2	1,874	2,989.09	(5,600)
TRAINING FACILITY ADDITION CC17135 (1,722SF)	m2	160	3,910.96	(630)
SPECIAL COSTS	LS			(70)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SUPPORTING FACILITIES				990
SITE PREPARATIONS	LS			(30)
SPECIAL FOUNDATION FEATURES	LS			(70)
PAVING AND SITE IMPROVEMENTS	LS			(520)
ELECTRICAL UTILITIES	LS			(310)
MECHANICAL UTILITIES	LS			(60)
SUBTOTAL				7,380
CONTINGENCY (5%)				370
TOTAL CONTRACT COST				7,750
SIOH (5.7%)				440
SUBTOTAL				8,190
TOTAL REQUEST ROUNDED				8,190
TOTAL REQUEST				8,187
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5,165)
10. Description of Proposed Construction:				
Provides a renovated facility and additions to the operations training Building #43, to support F-35C Fleet Replacement Squadron (FRS) aviator training with steel-framed, reinforced concrete masonry unit facility with built-up roof and pile foundation and Secure Compartmented Intelligence Facility (SCIF) and Secure Access Program Facility (SAPF) spaces. The renovation includes selective interior demolition work, asbestos and lead abatement, new finishes, roof replacement, and incidental structural and secondary utility system modifications and upgrades. The project will include flight planning, training, instructional, data center, administrative, and personnel support areas.				

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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. Special costs include post construction contract award services (PCAS). Project includes operations and maintenance support information (OMSI). 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.				
11. Requirement: <u>1,947 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Project reutilizes space in the operations training facility to support F-35C FRS training. Modernized space includes mission planning classrooms, aviator learning center, classified courseware data center, and courseware development rooms. Project will also construct connection to the F-35C full mission simulator facility. Upgraded to meet SAPF requirements. (New Mission) REQUIREMENT: This project is needed to provide aviator training and proficiency on the F-35C weapons system. Adequate and efficiently configured facilities are required to support the F-35C FRS academic mission. The modernization of an existing facility is necessary to support fielding of the FRS mission, this aircraft and its revised flight operations. Under the training concept for the F-35C, approximately 50 percent of all training missions will be flown in the simulators. CURRENT SITUATION: Existing station facilities are occupied and do not have the capacity or security requirements to enable FRS academic training. The current communication security is not in compliance with security requirements for the F-35C program.				

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IMPACT IF NOT PROVIDED: FRS will be unable to complete their mission without adequate classrooms and facilities.																								
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 02/2014 (B) Date 35% Design or Parametric Cost Estimate complete 05/2015 (C) Date design completed 09/2015 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 5% (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 \$928 (B) All other design costs \$928 (C) Total \$1,856 (D) Contract \$1,200 (E) In-house \$656 4. Contract award: 03/2016 5. Construction start: 06/2016 6. Construction complete: 09/2017 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Comm and Data Equipment</td> <td>OPN</td> <td>2017</td> <td>2,000</td> </tr> <tr> <td>FF&E</td> <td>OMN</td> <td>2017</td> <td>1,165</td> </tr> <tr> <td>IDS Equipment</td> <td>OPN</td> <td>2017</td> <td>2,000</td> </tr> </tbody> </table> 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: 559-998-2593					<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 and Data Equipment	OPN	2017	2,000	FF&E	OMN	2017	1,165	IDS Equipment	OPN	2017	2,000
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA				4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.19			
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	252	1152	2994	0	0	0	134	89	0	4621
	251	1252	2994	0	0	0	134	89	0	4720
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(4524 Acres)										
B. INVENTORY AS OF 30 SEP 2014										2,222,585
C. AUTHORIZATION NOT YET IN INVENTORY										28,167
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										22,427
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										44,358
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										80,985
H. GRAND TOTAL										2,398,522
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	E-2C/D Hangar Additions and Renovations	04/2014	05/2016	10696 m2	19,453					
17120	Triton Avionics and Fuel Systems Trainer	06/2014	09/2016	897 m2	2,974					
					TOTAL	22,427				
9. Future Projects:										
A. Included In The Following Program:										
21105 BAMS Forward Operating Base 3rd Fleet					44,358					
					TOTAL	44,358				
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										1,191,854
10. Mission or Major Functions:										
Naval Base Ventura County is a major aviation shore command and a major Naval Construction Force mobilization base providing airfield, seaport and base support services to fleet operating forces and shore activities.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.19

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title E-2C/D Hangar Additions and Renovations	
5. Program Element 0703676N	6. Category Code 21105	7. Project Number P565	8. Project Cost (\$000) 19,453	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
E-2C/D HANGAR ADDITIONS AND RENOVATIONS (115,131SF)	m2	10,696		13,660
HANGAR 365 A/C MAINTENANCE CC21105 (82,839SF) (RENOVATE)	m2	7,696	1,131.54	(8,710)
A/C MAINT HANGAR VAW112-117 CC21105 (1,722SF) (RENOVATE)	m2	160	1,223.62	(200)
HANGAR ADDITION CC21107 (6,458SF)	m2	600	2,485.13	(1,490)
AIRCRAFT POWER CHECK PAD CC21194 (22,604SF)	m2	2,100	296.12	(620)
LINE MAINTENANCE SHELTER CC21115 (1,507SF)	m2	140	477.14	(70)
ANTI-TERRORISM/FORCE PROTECTION	LS			(130)
BUILT-IN EQUIPMENT	LS			(2,140)
SPECIAL COSTS	LS			(170)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(130)
SUPPORTING FACILITIES				3,260
SITE PREPARATIONS	LS			(90)
PAVING AND SITE IMPROVEMENTS	LS			(980)
ANTI-TERRORISM/FORCE PROTECTION	LS			(160)
ELECTRICAL UTILITIES	LS			(1,630)
MECHANICAL UTILITIES	LS			(130)
ENVIRONMENTAL MITIGATION	LS			(140)
DEMOLITION	LS			(130)
SUBTOTAL				16,920
CONTINGENCY (5%)				850
TOTAL CONTRACT COST				17,770
SIOH (5.7%)				1,010
SUBTOTAL				18,780
DESIGN/BUILD - DESIGN COST				680
TOTAL REQUEST ROUNDED				19,460
TOTAL REQUEST				19,453

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title E-2C/D Hangar Additions and Renovations	
5. Program Element 0703676N	6. Category Code 21105	7. Project Number P565	8. Project Cost (\$000) 19,453	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,200)
10. Description of Proposed Construction: Renovates Hangars #365 and #553 and provides additions for Secure Compartmented Intelligence Facility (SCIF) spaces in support of increased security and operational maintenance requirements for the E-2C Hawkeye 2000 and E-2D Advanced Hawkeye aircraft. The renovation includes selective interior demolition work, asbestos and lead abatement, new exterior and interior finishes, roof replacement, and incidental structural and secondary utility system modifications and upgrades. The facilities include maintenance, storage, administrative, and personnel support spaces. The project also includes a power check pad and line maintenance shelters. 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. Built-in equipment includes power supply, aqueous film forming foam fire protection system, blast deflector, aircraft engine start units, elevator, emergency generator and crane systems and rails. Special costs include post construction contract award services (PCAS). Project includes operations and maintenance support information (OMSI). 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. Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure. Demolition includes line maintenance shelters PM568, PM569, PM570 and PM571 (27.87 m2 each) and Buildings PM557 (20.07 m2) and PM566 (55.74 m2). 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				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title E-2C/D Hangar Additions and Renovations	
5. Program Element 0703676N	6. Category Code 21105	7. Project Number P565	8. Project Cost (\$000) 19,453	
the facility requirements with the goal of maximizing energy efficiency.				
11. Requirement: <u>10,696 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Construct SCIFs, upgrades engine start units, renovates hangar space and provides security for the flight line. (New Mission) REQUIREMENT: This project is required to meet three mission needs: 1. Upgrades to accommodate E-2D aircraft security requirements: SCIF facilities are needed to accommodate the E-2D's increased security requirements. A new version of the E-2 (E-2D or Advanced Hawkeye) is currently being procured. This new aircraft drives security requirements for adequate hangar facilities to support training of aircrew. The Point Mugu hangars shall provide space for the maintenance of aircraft, aircrew mission planning and readiness, and all daily operations for each Carrier Airborne Early Warning Squadron. The E-2D program consists of one additional E-2D aircraft to each VAW squadron (raises number of aircraft per squadron from four to five). Operational need date for E-2D is scheduled for 2020. The additional aircraft are planned to be located in the hangar bay for each squadron. The result will be two aircraft in the hangar and three on the apron for each squadron. The hangar bays and taxiways at Hangar #553 will require re-striping. 2. Upgrades for the Hawkeye 2000s (HE2K): Point Mugu currently has 16 E-2C Hawkeye 2000 using Hangar #553 and the adjacent apron. The infrastructure to support the new electrical requirements was not planned as part of the Hawkeye 2000 introduction. Electrical upgrades are required. The start units are currently 90KVA, however, they are unable to meet the 180KVA electrical demand of the Hawkeye 2000. Additionally, transformers and power distribution upgrades are necessary. 3. Alterations for additional Squadron at Point Mugu (E-2 Relocation): Project supports relocation of one E-2C squadron with a Carrier Air Group (CAG) move to the West Coast. A squadron from Norfolk will move to Point Mugu, increasing the number of E-2 squadrons at Point Mugu to five.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title E-2C/D Hangar Additions and Renovations	
5. Program Element 0703676N	6. Category Code 21105	7. Project Number P565	8. Project Cost (\$000) 19,453	
Fleet operational maintenance and training requirements will be met with existing hangar space (Hangar #365). A total of 25 E-2 aircraft will be stationed at Point Mugu. To meet the maintenance testing requirements, a dedicated high-power test pad is required. Pavement repairs and striping are need for personnel parking areas. CURRENT SITUATION: The E-2D has a SCIF requirement for daily maintenance and aircrew operations. The hangars at Point Mugu currently do not have SCIF spaces. A fifth squadron is planned to be relocated from Norfolk to Point Mugu. This squadron is going to be located in Hangar #365 and will have four (4) E-2C HE2K aircraft. The fifth squadron will eventually transition to the E-2D and will require conversion of a portion of its Hangar #365 spaces to a SCIF. Hangar #365 will accommodate the additional squadron, but is in need of repairs and reconfiguration due to its age and deterioration. The additional personnel will require additional parking to accommodate vehicles. Currently, aviation maintainers are using aging ground support equipment (GSE) to supply electrical power to E-2C HE2K aircraft. These GSE units are not designed to perform in this manner for the E-2C HE-2K aircraft. There have been instances during the initiation sequence for the powering of the E-2C HE2K, when the GSE equipment incurs a power surge, which feeds back through the connector cable and damages the generator portion of the GSE equipment. This surging causes undue wear and tear on the delicate avionics equipment of the E-2C HE2K aircraft. When the GSE equipment works properly, it must be shut off periodically to refuel. This refueling process is very time consuming due to the fact that all aircraft systems must be shut down before the power is disconnected. After refueling, the GSE equipment must be activated; the power supply cables reconnected and the aircraft engine and avionics systems restarted. Numerous man-hours are also expended moving GSE equipment around the flight line. Normally where it would take one hour to start engines and activate electronic systems prior to the launching of the aircraft, with the use of GSE equipment, it now takes two hours to perform the required tasks. Aviation technicians are required to monitor each piece of GSE equipment while it is in operation, which means that the aircrews lose one technician from its maintenance team to perform urgent repairs elsewhere on the E2C aircraft. Electrical power is required for virtually all				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title E-2C/D Hangar Additions and Renovations	
5. Program Element 0703676N	6. Category Code 21105	7. Project Number P565	8. Project Cost (\$000) 19,453	
maintenance/troubleshooting actions and the aircraft will not start without external electrical power. Aviation technicians are required to power up all systems approximately one hour prior to each launch to ensure proper system operation and to align navigation systems. During maintenance, safety hazards are significantly increased due to the risk of injury to technicians and possible collision damage to aircraft by the use and movement of the GSE equipment in the aircraft hangar and on the parking apron. IMPACT IF NOT PROVIDED: The E-2D aircraft will be unable to operate from the west coast, compromising overall naval aviation mission readiness. The E-2D program has a requirement for handling SCIF-related information and equipment. Without the construction of SCIF spaces, the squadrons will not be able to store material and meet operational commitments. The fifth E-2 squadron at Point Mugu will not have the required power and configuration to perform their mission. Hangars will not be able to support the mission essential operations and maintenance requirements. Personnel will not have a safe working environment with the E-2C Hawkeye 2000 aircraft. Severe, negative operational impacts will continue on E-2 flight line. Aviation technicians will continue to have electrical issues and this will lengthen the flight preparation time. During maintenance, safety hazards will continue and pose a risk of injury to technicians and possible collision damage to aircraft by the use and movement of the GSE equipment in the aircraft hangar and on the parking apron.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				04/2014
(B) Date 35% Design or Parametric Cost Estimate complete				06/2015
(C) Date design completed				05/2016
(D) Percent completed as of September 2014				5%
(E) Percent completed as of January 2015				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				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title E-2C/D Hangar Additions and Renovations	
5. Program Element 0703676N	6. Category Code 21105	7. Project Number P565	8. Project Cost (\$000) 19,453	
(A) Production of plans and specifications			\$1,334	
(B) All other design costs			\$1,000	
(C) Total			\$2,334	
(D) Contract			\$1,334	
(E) In-house			\$1,000	
4. Contract award:			03/2016	
5. Construction start:			06/2016	
6. Construction complete:			11/2017	
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>
Furnishings		OMN	2017	600
Shop Equipment		OPN	2017	600
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: (805) 989-9749				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title Triton Avionics and Fuel System Trainer	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P607	8. Project Cost (\$000) 2,974	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TRITON AVIONICS AND FUEL SYSTEM TRAINER (9,655SF)	m2	897		1,950
COMACCLOGWING/TRITON TRAINING SCHOOL CC17120 (9,655SF) (RENOVATE)	m2	897	1,858.35	(1,670)
BUILT-IN EQUIPMENT	LS			(220)
SPECIAL COSTS	LS			(30)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				640
PAVING AND SITE IMPROVEMENTS	LS			(520)
ELECTRICAL UTILITIES	LS			(80)
MECHANICAL UTILITIES	LS			(40)
SUBTOTAL				2,590
CONTINGENCY (5%)				130
TOTAL CONTRACT COST				2,720
SIOH (5.7%)				160
SUBTOTAL				2,880
DESIGN/BUILD - DESIGN COST				100
TOTAL REQUEST ROUNDED				2,980
TOTAL REQUEST				2,974
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(27,200)
10. Description of Proposed Construction:				
Project renovates a portion of Building #50 for use by the Triton avionics and fuel system trainer, which include selective interior demolition work, asbestos and lead abatement, new finishes, roof replacement, and incidental structural and secondary utility system modifications and upgrades. The facility will include classrooms, instructional space, personnel support spaces, and administrative areas. 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. Special costs include post construction contract award services (PCAS).				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title Triton Avionics and Fuel System Trainer	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P607	8. Project Cost (\$000) 2,974	
Project includes operations and maintenance support information (OMSI). 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.				
11. Requirement: <u>897 m2</u> Adequate: Substandard: PROJECT: Renovates space for use by Triton Unmanned Aerial System (UAS) maintenance training program. (New Mission) REQUIREMENT: The Triton UAS program has a requirement to provide training to personnel who perform maintenance on the platform. This project renovates existing spaces in Building #50 to support the Triton integrated avionics and fuel systems trainers required in 2017. CURRENT SITUATION: The training for Triton personnel does not currently exist on the West coast. MILCON project P-900 (FY 2013) provides facilities for airframe and engine maintenance training. The space identified in Building #50 is adjacent to the space being renovated by P-900 and will augment this capability. IMPACT IF NOT PROVIDED: The training functions associated with Triton avionics and fueling systems will not be available for fleet personnel to support the requirement for MQ-4C aircraft hands-on maintenance training. Elimination of these vital training tools may significantly degrade mission accomplishment and Triton intelligence, surveillance and reconnaissance (ISR) support to the Combatant Commanders.				
12. Supplemental Data: A. Estimated Design Data: 1. Status:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015												
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title Triton Avionics and Fuel System Trainer													
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P607	8. Project Cost (\$000) 2,974													
(A) Date design or Parametric Cost Estimate started 06/2014 (B) Date 35% Design or Parametric Cost Estimate complete 01/2016 (C) Date design completed 06/2016 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 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 No (B) Where design was previously used																
3. Total Cost (C) = (A) + (B) = (D) + (E):																
(A) Production of plans and specifications \$155 (B) All other design costs \$155 (C) Total \$310 (D) Contract \$100 (E) In-house \$210																
4. Contract award: 03/2016																
5. Construction start: 06/2016																
6. Construction complete: 06/2017																
B. Equipment associated with this project which will be provided from other appropriations:																
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Trainers (2)</td> <td>OPN</td> <td>2017</td> <td>27,200</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Trainers (2)	OPN	2017	27,200
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>													
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>													
Trainers (2)	OPN	2017	27,200													
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: (805) 989-9746																

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N69232 NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA			4. Project Title Triton Avionics and Fuel System Trainer	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P607	8. Project Cost (\$000) 2,974	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM					2. Date 02 FEB 2015				
3. Installation and Location: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.14		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	2499	18386	5375	0	240	0	142	1164	0	27806
	2318	19729	5375	0	240	0	175	1582	0	29419
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(2923 Acres)										
B. INVENTORY AS OF 30 SEP 2014										6,903,596
C. AUTHORIZATION NOT YET IN INVENTORY										167,850
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										37,366
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										68,605
G. REMAINING DEFICIENCY										1,427,239
H. GRAND TOTAL										8,604,656
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>			
14365	LCS Support Facility			02/2013	05/2016	14134 m2	37,366			
TOTAL							37,366			
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
15120 Pier 8 Recapitalization, Phase 1										68,605
TOTAL										68,605
C. R&M Unfunded Requirement (\$000):										829,287
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 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.14

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title LCS Support Facility	
5. Program Element 0212176N	6. Category Code 14365	7. Project Number P499	8. Project Cost (\$000) 37,366	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
LCS SUPPORT FACILITY (152,137SF)	m2	14,134		30,310
LCS OPERATIONS SUPPORT FACILITY CC14365 (152,137SF)	m2	14,134	2,043.97	(28,890)
BUILT-IN EQUIPMENT	LS			(630)
SPECIAL COSTS	LS			(350)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(440)
SUPPORTING FACILITIES				2,190
SPECIAL CONSTRUCTION FEATURES	LS			(20)
SITE PREPARATIONS	LS			(1,040)
PAVING AND SITE IMPROVEMENTS	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(80)
ELECTRICAL UTILITIES	LS			(810)
MECHANICAL UTILITIES	LS			(190)
SUBTOTAL				32,500
CONTINGENCY (5%)				1,630
TOTAL CONTRACT COST				34,130
SIOH (5.7%)				1,950
SUBTOTAL				36,080
DESIGN/BUILD - DESIGN COST				1,300
TOTAL REQUEST ROUNDED				37,380
TOTAL REQUEST				37,366
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(10,151)
10. Description of Proposed Construction: Constructs a multi-story facility inside warehouse Building #3304 for Littoral Combat Ship (LCS) operations support to include personnel support, administrative, storage, and Secure Compartment Intelligence Facility/Special Access Program spaces. The project replaces and upgrades associated electrical, mechanical, plumbing, fire protection systems and upgrades the structural systems to meet current seismic codes. Built in equipment includes three passenger/freight elevators.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title LCS Support Facility	
5. Program Element 0212176N	6. Category Code 14365	7. Project Number P499	8. Project Cost (\$000) 37,366	
Special Costs include post construction contract award services (PCAS) and traffic mitigation during construction by restriping and reconfiguring the flow of vehicles. Project includes operation and maintenance support information (OMSI). 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. Site preparations include interior building demolition to accommodate the new functions. 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>14,134 m2</u> Adequate: Substandard: PROJECT: Converts a portion of Warehouse Building #3304 into an operational support facility for LCS shore-based operations. (New Mission) REQUIREMENT: Significant shore-based support is required for the LCS-class of ships for training, administration, maintenance and other support functions for "on-crews" and "off-crews". These functions are provided on-ship for most other classes of ships. The LCS is unique in that it has multiple mission modules used for different missions. Most of the modules are not deployed with the ship and must be stored in support facilities ashore. Adequately sized and properly configured facilities are required to support new off-hull sea-frame crews, off-hull mission module crews, and the LCS Squadron (LCSRON) staff. The LCSRON supports the ship operations at a higher level than is provided to other surface ships. Due to the smaller crew size on board the ship, many functions and tasks must be performed on the shore.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title LCS Support Facility	
5. Program Element 0212176N	6. Category Code 14365	7. Project Number P499	8. Project Cost (\$000) 37,366	
The LCS construct of minimal shipboard manning and crewing requires that the majority of operational and training activities be accomplished ashore by off-hull sea-frame crews and off-hull mission module crews, known as Distance Support. The LCSRON and off-hull crews serve as extensions of the crew for operational support, scheduling, logistics, maintenance management, routine administrative functions, and anti-terrorism force protection support including logistics and maintenance support. Crews need shore-based spaces to complete shore taskings, maintain crew integrity and meet administrative and training requirements. CURRENT SITUATION: Buildings #55 and #57 were renovated to support the first eight LCS ships homeported in San Diego. The facilities have reached maximum capacity and cannot meet anticipated growth for the squadron and off-hull crews starting in 2014. In 2013 there were approximately 540 personnel in Buildings #55 and #57. By the end of 2014, LCSRON and off-hull crews will grow to almost 950 personnel. By 2017, the total personnel will exceed 1,650. As additional ships are built and become operational and mission module packages are brought on-line, LCS staffing in San Diego will continue to grow. Although temporary solutions have been put into place to support the growth from 2014 through 2018, a permanent facility solution is critical for the continued operational support of the LCS mission. As an interim measure for supporting the LCS program, five existing buildings have been or will be minimally upgraded to support the program growth. Combined they will meet the full requirement, so some overcrowding will be experienced until this project is completed. Two of the buildings will be demolished after project completion and the other three buildings will be utilized for space shortfall in other mission areas. Building #3304 is a 316,827 square foot warehouse facility that was vacated by Defense Logistics Agency as they reduced their requirements at Naval Base San Diego. IMPACT IF NOT PROVIDED: The LCS construct requires many core functions to be performed in shore-based facilities by LCSRON and off-hull crews. Without the LCS Support Facility, there will be no facilities to support the new off-hull sea-frame and off-hull mission module crews and no space available for the LCSRON to provide support to the additional homeported ships.				
12. Supplemental Data:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																																																		
3. Installation(SA)& Location/UIC: N00245 NAVBASE SAN DIEGO SAN DIEGO, CALIFORNIA			4. Project Title LCS Support Facility																																																			
5. Program Element 0212176N	6. Category Code 14365	7. Project Number P499	8. Project Cost (\$000) 37,366																																																			
A. Estimated Design Data: 1. Status: <table style="width: 100%; border: none;"> <tr><td>(A) Date design or Parametric Cost Estimate started</td><td style="text-align: right;">02/2013</td></tr> <tr><td>(B) Date 35% Design or Parametric Cost Estimate complete</td><td style="text-align: right;">05/2014</td></tr> <tr><td>(C) Date design completed</td><td style="text-align: right;">05/2016</td></tr> <tr><td>(D) Percent completed as of September 2014</td><td style="text-align: right;">5%</td></tr> <tr><td>(E) Percent completed as of January 2015</td><td style="text-align: right;">5%</td></tr> <tr><td>(F) Type of design contract</td><td style="text-align: right;">Design Build</td></tr> <tr><td>(G) Parametric Estimate used to develop cost</td><td style="text-align: right;">Yes</td></tr> <tr><td>(H) Energy Study/Life Cycle Analysis performed</td><td style="text-align: right;">No</td></tr> </table> 2. Basis: <table style="width: 100%; border: none;"> <tr><td>(A) Standard or Definitive Design</td><td></td></tr> <tr><td>(B) Where design was previously used</td><td></td></tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table style="width: 100%; border: none;"> <tr><td>(A) Production of plans and specifications</td><td style="text-align: right;">\$936</td></tr> <tr><td>(B) All other design costs</td><td style="text-align: right;">\$1,872</td></tr> <tr><td>(C) Total</td><td style="text-align: right;">\$2,808</td></tr> <tr><td>(D) Contract</td><td style="text-align: right;">\$1,404</td></tr> <tr><td>(E) In-house</td><td style="text-align: right;">\$1,404</td></tr> </table> 4. Contract award: 02/2016 5. Construction start: 06/2016 6. Construction complete: 09/2018 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Audio-Visual Equipment (A/V)</td> <td>OPN</td> <td>2017</td> <td style="text-align: right;">1,238</td> </tr> <tr> <td>Furniture Fixtures & Equipment (FF&E)</td> <td>OMN</td> <td>2017</td> <td style="text-align: right;">8,811</td> </tr> <tr> <td>Physical Security Equipment (PSE)</td> <td>OPN</td> <td>2017</td> <td style="text-align: right;">102</td> </tr> </tbody> </table> 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: 619-556-0325					(A) Date design or Parametric Cost Estimate started	02/2013	(B) Date 35% Design or Parametric Cost Estimate complete	05/2014	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	5%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design		(B) Where design was previously used		(A) Production of plans and specifications	\$936	(B) All other design costs	\$1,872	(C) Total	\$2,808	(D) Contract	\$1,404	(E) In-house	\$1,404	<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Audio-Visual Equipment (A/V)	OPN	2017	1,238	Furniture Fixtures & Equipment (FF&E)	OMN	2017	8,811	Physical Security Equipment (PSE)	OPN	2017	102
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA					4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.24			
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	958	10898	1819	755	10302	8	0	0	17621	42361
	847	9026	1829	364	9128	0	0	0	17621	38815
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(617216 Acres)										
B. INVENTORY AS OF 30 SEP 2014										5,070,597
C. AUTHORIZATION NOT YET IN INVENTORY										5,820
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										9,160
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										39,032
F. PLANNED IN NEXT THREE PROGRAM YEARS										13,895
G. REMAINING DEFICIENCY										686,988
H. GRAND TOTAL										5,825,492
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	Microgrid Expansion	10/2014		08/2015		0 LS	9,160			
TOTAL									9,160	
9. Future Projects:										
A. Included In The Following Program:										
17120 MCTOG/MCLOG/Intelligence Complex										39,032
TOTAL										39,032
B. Major Planned Next Three Years:										
84110 Wastewater Treatment Plant										13,895
TOTAL										13,895
C. R&M Unfunded Requirement (\$000):										151,426
10. Mission or Major Functions:										
The Marine Air Ground Task Force Training Center conducts live-fire combined arms training, urban operations, and Joint/Coalition level integration training that promotes operational forces readiness as well as provides the facilities, services, and support responsive to the needs of resident organizations, Marines, Sailors, and their families. The training center provides formal school training for personnel in the field of communications-electronics and conducts other schools and training as directed by the Commandant of the Marine Corps. The installation also supports combat readiness of 1st 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

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA		4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.24
B. Occupational Safety and Health(OSH)(#):			0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title Microgrid Expansion	
5. Program Element 0202176M	6. Category Code 81230	7. Project Number P1232	8. Project Cost (\$000) 9,160	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MICROGRID EXPANSION	LS			5,030
MICROGRID EXPANSION CC81230	LS			(4,900)
SPECIAL COSTS	LS			(80)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
SUPPORTING FACILITIES				3,230
PAVING AND SITE IMPROVEMENTS	LS			(190)
ELECTRICAL UTILITIES	LS			(3,040)
SUBTOTAL				8,260
CONTINGENCY (5%)				410
TOTAL CONTRACT COST				8,670
SIOH (5.7%)				490
SUBTOTAL				9,160
TOTAL REQUEST ROUNDED				9,160
TOTAL REQUEST				9,160
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(640)
10. Description of Proposed Construction: Project expands the current microgrid with a combination of overhead and underground electrical and communications infrastructure. The microgrid expansion will include overhead and underground conductors, circuit breakers, substation transformers, monitor and control infrastructure, fiber communication lines, and associated ancillary built-in equipment. Special costs include post construction contract award services (PCAS). Operation and maintenance support information (OMSI) is included in this project. 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. Paving and site improvements include fencing and concrete pads.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title Microgrid Expansion	
5. Program Element 0202176M	6. Category Code 81230	7. Project Number P1232	8. Project Cost (\$000) 9,160	
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: Adequate: Substandard: PROJECT: This project will upgrade critical base infrastructure, automate the electrical grid functions within the existing controls infrastructure, and apply state of the art advanced Supervisory Control and Data Acquisition (SCADA) functionality through the Microgrid/Smart grid in order to provide additional power while operating in island mode, when no outside power is received into the electrical distribution system. (Current Mission) REQUIREMENT: Incorporate all base electrical grid controls functions and manage production to maximize the amount of facilities that will receive power in the event of an extended commercial utility power outage. Effectively manage base-wide electrical loading and maximize automated system reliability, selectivity, and sensitivity. The requirement will enable the Co-Generation Plant 2 to safely provide additional power to the base while operating in an island mode. CURRENT SITUATION: The Base currently has two Cogeneration plants and 8 MW of photovoltaic systems for a total of 24 MW of generation capacity. The 34.5 KV primary medium voltage power distribution electrical lines are not grounded. Upon loss of commercial utility power, the base cannot use all of the onsite generation to carry the major load. For the Microgrid System to be properly utilized, Co-Generation Plant 2 has to be able to synchronize, safely pick up load and parallel with the Co-Generation Plant 1. Currently, Co-Generation Plant 2 is only able to supply a localized portion of the base when in island mode. IMPACT IF NOT PROVIDED: In an extended loss of Southern California Edison utility power, the base will only be able to provide up to 50 percent of facilities with reliable power. Housing and other non-essential facilities that provide support functions for training will be without power.				
12. Supplemental Data: A. Estimated Design Data: 1. Status:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																
3. Installation(SA)& Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title Microgrid Expansion																	
5. Program Element 0202176M	6. Category Code 81230	7. Project Number P1232	8. Project Cost (\$000) 9,160																	
(A) Date design or Parametric Cost Estimate started 10/2014 (B) Date 35% Design or Parametric Cost Estimate complete 01/2015 (C) Date design completed 08/2015 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 35% (F) Type of design contract Design Bid 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 \$360 (B) All other design costs \$120 (C) Total \$480 (D) Contract \$280 (E) In-house \$200 4. Contract award: 01/2016 5. Construction start: 03/2016 6. Construction complete: 03/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th><u>Cost (\$000)</u></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Analysis tools, hardware, software, circuit switch</td> <td>PMC</td> <td>2017</td> <td>140</td> </tr> <tr> <td>IT Equipment</td> <td>PMC</td> <td>2017</td> <td>500</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>		Analysis tools, hardware, software, circuit switch	PMC	2017	140	IT Equipment	PMC	2017	500
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>																	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>																		
Analysis tools, hardware, software, circuit switch	PMC	2017	140																	
IT Equipment	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 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: 760-830-7691																				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67399 MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA			4. Project Title Microgrid Expansion	
5. Program Element 0202176M	6. Category Code 81230	7. Project Number P1232	8. Project Cost (\$000) 9,160	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA							4. Command Commander Navy Installations Command		5. Area Const Cost Index .89	
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1578	5799	6589	0	0	0	166	521	0	14653
	1686	5618	6589	0	0	0	166	521	0	14580
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(9279 Acres)										
B. INVENTORY AS OF 30 SEP 2014										3,164,781
C. AUTHORIZATION NOT YET IN INVENTORY										52,447
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										16,751
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										317,369
H. GRAND TOTAL										3,551,348
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	Fleet Support Facility Addition			12/2012	01/2016			2988 m2	8,455	
14142	Triton Mission Control Facility			09/2013	01/2016			1133 m2	8,296	
								TOTAL	16,751	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										864,236
10. Mission or Major Functions:										
Enables naval aviation warfighting readiness by supporting the fleet, fighter and family. Homeport for land-based, anti-submarine warfare (ASW) squadrons and all east coast carrier-based ASW helicopter squadrons. Provides support to the naval aviation depot, land-based ASW squadrons, helicopter ASW squadrons, Naval Air Reserve Unit Two, fleet readiness squadrons, naval regional medical center.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .89

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA			4. Project Title Fleet Support Facility Addition	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P334	8. Project Cost (\$000) 8,455	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
FLEET SUPPORT FACILITY ADDITION (32,163SF)	m2	2,988		6,020
FLEET SUPPORT FACILITY WAREHOUSE ADDITION CC14142 (21,862SF)	m2	2,031	2,145	(4,360)
FLEET SUPPORT FACILITY CC14142 (10,301SF) (RENOVATE)	m2	957	806	(770)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
BUILT-IN EQUIPMENT	LS			(510)
SPECIAL COSTS	LS			(230)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SUPPORTING FACILITIES				1,600
SITE PREPARATIONS	LS			(130)
PAVING AND SITE IMPROVEMENTS	LS			(480)
ANTI-TERRORISM/FORCE PROTECTION	LS			(170)
ELECTRICAL UTILITIES	LS			(530)
MECHANICAL UTILITIES	LS			(290)
SUBTOTAL				7,620
CONTINGENCY (5%)				380
TOTAL CONTRACT COST				8,000
SIOH (5.7%)				460
SUBTOTAL				8,460
TOTAL REQUEST ROUNDED				8,460
TOTAL REQUEST				8,455
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(425)
10. Description of Proposed Construction: Constructs a single-story combined administrative and warehouse facility to include reinforced concrete foundation, strip footing, masonry walls and seam metal roof. The project will be an addition to the existing Fleet Support Facility (Building #1003).				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA			4. Project Title Fleet Support Facility Addition	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P334	8. Project Cost (\$000) 8,455	
Renovation of existing Fleet Support Facility consists of relocation of a folding wall, installation of permanent partitions, new door openings, interior finishes and systems repairs in support of the Special Access Program Facility (SAPF) requirements. This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. The ATFP (inside) line item includes standard force protection measures such as emergency lighting and signage. Built-in equipment includes material handling for the sensor pod storage via a 10-ton bridge crane, and pallet racks which will be loaded and unloaded via forklift. Special costs include meeting Enhanced Hurricane Protection Zone Wind Load requirements of 155 miles per hour (per 2010 edition of the Florida Building Code) and Post Construction Contract Award Services (PCAS) and oversight of the SAPF spaces during construction. Operations and Maintenance Support Information (OMSI) is included in this project. 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.				
11. Requirement: <u>2,988 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs an addition to existing Fleet Support Facility Building #1003 for Advanced Airborne Sensor (AAS) mission requirements which include warehouse space for 14 pods stored on cradles, pallet rack storage for pod contents.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																														
3. Installation(SA)& Location/UIC: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA			4. Project Title Fleet Support Facility Addition																															
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P334	8. Project Cost (\$000) 8,455																															
(Current Mission) REQUIREMENT: High Security facility to support P-8A flight operations with the new AAS system which is used on the P-8A aircraft. The existing Littoral Surveillance Radar System (LSRS) facility (Building #1003) will be reconfigured to house maintenance and repair functions required to support the AAS mission. This facility will be used to stage, maintain, repair, and modernize the equipment over the life of the program. This facility is located in the vicinity of the P-8A hangar and on the flight line as required. The high-security addition to this building will house the staged multiple sets of AAS radar equipment between missions. CURRENT SITUATION: There is no suitable facility at NAS Jacksonville that can satisfy these support requirements. IMPACT IF NOT PROVIDED: AAS mission will be prevented from operating out of NAS Jacksonville site if it is not co-located with the P-8A squadron with a facility providing the appropriate high level of security. Expansion of the existing building is required in order to stage the new AAS equipment in support of the P-8A mission.																																		
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>12/2012</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>09/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>01/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$410</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$140</td> </tr> <tr> <td>(C) Total</td> <td>\$550</td> </tr> <tr> <td>(D) Contract</td> <td>\$140</td> </tr> <tr> <td>(E) In-house</td> <td>\$410</td> </tr> </table> 4. Contract award: 06/2016 5. Construction start: 07/2016					(A) Date design or Parametric Cost Estimate started	12/2012	(B) Date 35% Design or Parametric Cost Estimate complete	09/2014	(C) Date design completed	01/2016	(D) Percent completed as of September 2014	35%	(E) Percent completed as of January 2015	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	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$410	(B) All other design costs	\$140	(C) Total	\$550	(D) Contract	\$140	(E) In-house	\$410
(A) Date design or Parametric Cost Estimate started	12/2012																																	
(B) Date 35% Design or Parametric Cost Estimate complete	09/2014																																	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA			4. Project Title Fleet Support Facility Addition	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P334	8. Project Cost (\$000) 8,455	
6. Construction complete: 01/2018 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>		
Building Security System		OPN 2016 400		
FF&E		OMN 2016 25		
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: 2026859389				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P662	8. Project Cost (\$000) 8,296	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TRITON MISSION CONTROL FACILITY (12,200SF)	m2	1,133.42		3,970
TRITON MCS BLDG CC14142 (12,200SF)	m2	1,133.42	2,668	(3,020)
INFORMATION SYSTEMS	LS			(360)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
BUILT-IN EQUIPMENT	LS			(280)
SPECIAL COSTS	LS			(180)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
SUPPORTING FACILITIES				3,510
SPECIAL CONSTRUCTION FEATURES	LS			(2,320)
SITE PREPARATIONS	LS			(60)
SPECIAL FOUNDATION FEATURES	LS			(10)
PAVING AND SITE IMPROVEMENTS	LS			(240)
ELECTRICAL UTILITIES	LS			(790)
MECHANICAL UTILITIES	LS			(90)
SUBTOTAL				7,480
CONTINGENCY (5%)				370
TOTAL CONTRACT COST				7,850
SIOH (5.7%)				450
SUBTOTAL				8,300
TOTAL REQUEST ROUNDED				8,300
TOTAL REQUEST				8,296
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(745)
10. Description of Proposed Construction:				
Constructs a low rise shielded steel frame, reinforced concrete masonry unit mission control facility with standing seam metal roof and concrete foundation, strip footing and deep wall masonry foundation slab on grade. The facility will be located adjacent to an existing Triton facility and include primary and redundant Mission Control System (MCS) modules, a server room, mission planning and brief/debrief rooms and a secure equipment vault. The new building will be connected to the existing				

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3. Installation(SA)& Location/UIC: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA			4. Project Title Triton Mission Control Facility	
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P662	8. Project Cost (\$000) 8,296	
building via a new enclosure around the existing exterior stair of that facility and a new corridor; access to the new building will be through the existing building only. The MCS components in the new facilities will be independently shielded and be constructed as a SCIF. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with ATFP regulations, and physical security mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes one back-up diesel generator and mounting pad, tower mounted antennas and classified material storage vault. Special Costs include Post Construction Contract Award Services (PCAS) and surveillance during construction of Secure Compartmented Intelligence Facility (SCIF) in accordance with Intelligence Community guidance. Construction monitoring is required to observe the construction to ensure there are no abnormalities that could affect and compromise the security of the SCIF Operations and Maintenance Support Information (OMSI) is included in this project. 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. Special construction features include hurricane structural enhancement, antenna tower and a large SCIF. 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>1,133 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs a MCS facility to provide operational control of Triton unmanned aircraft, supporting aircraft carrier battle groups, surface/ subsurface units and other global maritime operations around the world.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																										
3. Installation(SA)& Location/UIC: N00207 NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA			4. Project Title Triton Mission Control Facility																											
5. Program Element 0212176N	6. Category Code 14142	7. Project Number P662	8. Project Cost (\$000) 8,296																											
(New Mission) REQUIREMENT: This is a new requirement for NAS Jacksonville. The Triton system will fulfill the Navy's mission to provide Unmanned Aircraft System (UAS) with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) data collection and dissemination capability to the Fleet. An adequate and efficiently configured Triton facility is required to support the highly classified maritime patrol and reconnaissance aircraft mission. The facility will optimize operational/tactical missions, communications, flight safety, equipment maintenance, training, and operations and training support. This facility is required to be complete and ready for equipment installation by April 2018 to meet current Triton mission. CURRENT SITUATION: Triton is part of the "Family of Systems" concept and designed to work in conjunction with the P-8 aircraft. No current facilities were designed to accommodate Triton, nor can any be economically converted to support the unique mission critical requirements of this third MCS. IMPACT IF NOT PROVIDED: Without this project, persistent maritime ISR data collection and dissemination capability will be severely degraded. This facility provides operational UAS flight controls and Triton sensor data collection and dissemination. Without this facility, forward deployed UAS cannot perform their intended flight operations or provide vital tactical ISR capability to the numbered fleets.																														
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$500</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$100</td> </tr> <tr> <td>(C) Total</td> <td>\$600</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	09/2013	(B) Date 35% Design or Parametric Cost Estimate complete	01/2015	(C) Date design completed	09/2015	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	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	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$500	(B) All other design costs	\$100	(C) Total	\$600
(A) Date design or Parametric Cost Estimate started	09/2013																													
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5. Program Element 0212176N	6. Category Code 14142	7. Project Number P662	8. Project Cost (\$000) 8,296																					
(D) Contract \$100 (E) In-house \$500 4. Contract award: 04/2016 5. Construction start: 05/2016 6. Construction complete: 12/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>ESS ELECTRICAL SECURITY SYSTEM</td> <td>OPN</td> <td>2016</td> <td>300</td> </tr> <tr> <td>FURNITURE AND FURNISHINGS (CNIC)</td> <td>OMN</td> <td>2016</td> <td>250</td> </tr> <tr> <td>IT SYSTEMS AND SUPPORT (NMCI)</td> <td>OPN</td> <td>2016</td> <td>195</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	ESS ELECTRICAL SECURITY SYSTEM	OPN	2016	300	FURNITURE AND FURNISHINGS (CNIC)	OMN	2016	250	IT SYSTEMS AND SUPPORT (NMCI)	OPN	2016	195
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																						
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																					
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FURNITURE AND FURNISHINGS (CNIC)	OMN	2016	250																					
IT SYSTEMS AND SUPPORT (NMCI)	OPN	2016	195																					
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: 904-542-2132																								

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015			
3. Installation and Location: N60201 NAVSTA MAYPORT FL MAYPORT, FLORIDA				4. Command Commander Navy Installations Command		5. Area Const Cost Index .89				
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	988	5749	257	0	0	0	120	168	0	7282
	812	5437	257	0	0	0	130	180	0	6816
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(3230 Acres)										
B. INVENTORY AS OF 30 SEP 2014										1,508,612
C. AUTHORIZATION NOT YET IN INVENTORY										31,091
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										16,159
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										1,051,561
H. GRAND TOTAL										2,607,423
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>	
14377	LCS Mission Module Readiness Center			10/2013	10/2015	4857 m2			16,159	
TOTAL									16,159	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										264,961
10. Mission or Major Functions:										
The mission of NS Mayport is to sustain and enhance warfighter readiness. Naval Station Mayport is the third largest fleet concentration area in the United States. Mayport's operational composition includes a harbor capable of accommodating 34 ships and an 8,000-foot runway capable of handling any aircraft in the Department of Defense inventory. With more than 3,400 acres, NS Mayport is host to more than 70 tenant commands.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N60201 NAVSTA MAYPORT FL MAYPORT, FLORIDA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .89

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60201 NAVSTA MAYPORT FL MAYPORT, FLORIDA			4. Project Title LCS Mission Module Readiness Center	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P424	8. Project Cost (\$000) 16,159	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
LCS MISSION MODULE READINESS CENTER (52,280SF)	m2	4,857		11,120
MISSION MODULE READINESS CENTER CC14377 (45,424SF)	m2	4,220	2,209.18	(9,320)
EXTERIOR STORAGE CC45110 (6,857SF)	m2	637	860	(550)
BUILT-IN EQUIPMENT	LS			(740)
SPECIAL COSTS	LS			(330)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(180)
SUPPORTING FACILITIES				3,440
SITE PREPARATIONS	LS			(330)
SPECIAL FOUNDATION FEATURES	LS			(570)
PAVING AND SITE IMPROVEMENTS	LS			(530)
ELECTRICAL UTILITIES	LS			(1,090)
MECHANICAL UTILITIES	LS			(920)
SUBTOTAL				14,560
CONTINGENCY (5%)				730
TOTAL CONTRACT COST				15,290
SIOH (5.7%)				870
SUBTOTAL				16,160
TOTAL REQUEST ROUNDED				16,160
TOTAL REQUEST				16,159
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(50)
10. Description of Proposed Construction: Project constructs a steel framed high-bay Mission Module Readiness Center (MMRC) to include pile supported reinforced concrete foundation, steel sheeted and concrete masonry unit exterior walls and standing seam metal roof. The MMRC will provide module storage and maintenance spaces with a small low-rise administrative section. Project constructs an exterior steel framed exterior storage facility to include concrete foundation, steel framed exterior walls and steel roof. The exterior storage will provide covered and uncovered mission module storage.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60201 NAVSTA MAYPORT FL MAYPORT, FLORIDA			4. Project Title LCS Mission Module Readiness Center	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P424	8. Project Cost (\$000) 16,159	
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. Built-In equipment includes an overhead crane, crane rails, and power supply. Special costs include Post Construction Contract Award Services (PCAS) and Navy Crane Center support. Operations and Maintenance Support Information (OMSI) is included in this project. 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. Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure. 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>4,857 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs a Littoral Combat Ship (LCS) mission module (MM) storage and maintenance building. (New Mission) REQUIREMENT: LCS and MMs have been designed and developed under minimal manning constraints that present significant challenges for accomplishing traditional supply and maintenance workloads afloat. The Mission Package (MP) program is designed to allow for the rapid and seamless transfer of MMs and the associated crews among two types of LCSs. This capability allows for reconfiguring a specific hull from one war fighting capability (i.e., mine counter-measures (MCM), anti-submarine warfare (ASW), or				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																														
3. Installation(SA)& Location/UIC: N60201 NAVSTA MAYPORT FL MAYPORT, FLORIDA			4. Project Title LCS Mission Module Readiness Center																															
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P424	8. Project Cost (\$000) 16,159																															
surface and maritime security warfare (SUW)) to another. The MMRC is the primary MM shore support facility, and is responsible for the receipt, storage, preparation, transfer, and maintenance of the MMs. This facility will also house and support administrative, logistic, configuration management, and security functions associated with MP management. MMRC initial operating capability is 2018. CURRENT SITUATION: No facilities exist at Naval Station Mayport or on the East Coast capable of providing MM support. IMPACT IF NOT PROVIDED: Without this facility, MM support for LCS homeported at Naval Station Mayport would have to be provided from the Mission Package Support Facility in Port Hueneme, CA. Transportation costs would be excessive to move the MMs from coast to coast and the inability to store MMs at Mayport would impact the MM crews ability to train with them as well as impacting mission readiness for the LCS program.																																		
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>10/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>09/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>10/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>40%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$980</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$330</td> </tr> <tr> <td>(C) Total</td> <td>\$1,310</td> </tr> <tr> <td>(D) Contract</td> <td>\$330</td> </tr> <tr> <td>(E) In-house</td> <td>\$980</td> </tr> </table> 4. Contract award: 03/2016 5. Construction start: 04/2016 6. Construction complete: 09/2017 B. Equipment associated with this project which will be provided from other appropriations:					(A) Date design or Parametric Cost Estimate started	10/2013	(B) Date 35% Design or Parametric Cost Estimate complete	09/2014	(C) Date design completed	10/2015	(D) Percent completed as of September 2014	35%	(E) Percent completed as of January 2015	40%	(F) Type of design contract	Design Bid Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No	(B) Where design was previously used	N/A	(A) Production of plans and specifications	\$980	(B) All other design costs	\$330	(C) Total	\$1,310	(D) Contract	\$330	(E) In-house	\$980
(A) Date design or Parametric Cost Estimate started	10/2013																																	
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3. Installation(SA)& Location/UIC: N60201 NAVSTA MAYPORT FL MAYPORT, FLORIDA			4. Project Title LCS Mission Module Readiness Center	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P424	8. Project Cost (\$000) 16,159	
<u>Equipment</u> <u>Nomenclature</u> Intrusion Detection System		<u>Procuring</u> <u>Approp</u> OMN	<u>FY Approp</u> <u>or Requested</u> 2016	<u>Cost (\$000)</u> 50
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: 903-270-5207				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM									2. Date 02 FEB 2015
3. Installation and Location: N00204 NAS PENSACOLA FL PENSACOLA, FLORIDA						4. Command Commander Navy Installations Command			5. Area Const Cost Index .9	
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1653	3313	2396	0	6100	0	597	1400	0	15459
	1699	3482	2396	0	5766	0	809	1358	0	15510
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(8475 Acres)										
B. INVENTORY AS OF 30 SEP 2014										3,775,834
C. AUTHORIZATION NOT YET IN INVENTORY										3,211
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										18,347
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										45,942
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										181,582
H. GRAND TOTAL										4,024,916
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>			
72114	A-School Unaccomp Housing (Corry Station)	09/2013	01/2016		6490 m2	18,347				
						TOTAL	18,347			
9. Future Projects:										
A. Included In The Following Program:										
72114 A-School Dormitory										45,942
										TOTAL 45,942
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										790,715
10. Mission or Major Functions:										
Provide superior training support and a quality environment to tenants, military and civilian personnel and their families. Department of Defense related tenant commands number over 90 and include the Chief of Naval Education and Training, Commander Training Air Wing Six, Naval Aviation Schools Command, Naval Air Technical Training Center (NATTC), Naval Operational Medical Institute, Navy Public Works Center and the Blue Angels located onboard NAS Pensacola. Naval Education and Training Professional Development and Training Center, Saufley Field and Center for Cryptology Corry Station are tenants not located onboard NAS Pensacola. Support is also provided to 27 non-defense related agencies located on Navy property including the National Park Service, U.S. Coast Guard Station, Barrancas National Cemetery (Veterans Administration), and the National Museum of Naval Aviation.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N00204 NAS PENSACOLA FL PENSACOLA, FLORIDA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .9

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00204(AN) NAS PENSACOLA FL (CORY STATION) PENSACOLA, FLORIDA			4. Project Title A-School Unaccomp Housing (Corry Station)	
5. Program Element 0212276N	6. Category Code 72114	7. Project Number P723	8. Project Cost (\$000) 18,347	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
A-SCHOOL UNACCOMP HOUSING (CORY STATION) (69,858SF)	m2	6,490		14,110
"A" SCHOOL UNACCOMPANIED HOUSING CC72114 (69,858SF)	m2	6,490	2,014.15	(13,070)
ANTI-TERRORISM/FORCE PROTECTION	LS			(340)
BUILT-IN EQUIPMENT	LS			(110)
SPECIAL COSTS	LS			(380)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(210)
SUPPORTING FACILITIES				2,420
SITE PREPARATIONS	LS			(750)
SPECIAL FOUNDATION FEATURES	LS			(430)
PAVING AND SITE IMPROVEMENTS	LS			(510)
ELECTRICAL UTILITIES	LS			(300)
MECHANICAL UTILITIES	LS			(430)
SUBTOTAL				16,530
CONTINGENCY (5%)				830
TOTAL CONTRACT COST				17,360
SIOH (5.7%)				990
SUBTOTAL				18,350
TOTAL REQUEST ROUNDED				18,350
TOTAL REQUEST				18,347
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,816)
10. Description of Proposed Construction: Constructs a multi-story, steel-framed, unaccompanied housing facility consisting of non-load bearing exterior walls, brick veneer exterior finish, reinforced concrete foundation and built-up roofing system. The facility will include 128 2+0 rooms, lobby/reception area, a TV room on each floor, a common laundry room on each floor, a first floor vending room, bulk storage room, clean and dirty linen storage rooms, staff office space, break rooms and vending space on each floor. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N00204(AN) NAS PENSACOLA FL (CORY STATION) PENSACOLA, FLORIDA			4. Project Title A-School Unaccomp Housing (Corry Station)	
5. Program Element 0212276N	6. Category Code 72114	7. Project Number P723	8. Project Cost (\$000) 18,347	
accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Built in equipment includes one passenger/freight combination elevator. Special costs include Post Construction Contract Award Services (PCAS). Project includes Operation and Maintenance Support Information (OMSI). 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. Site preparation includes site clearing, excavation and preparation for construction. Facilities will be designed to meet or exceed the usual 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. Intended Grade Mix: E1-E4 Total: 256 Maximum Utilization: E1-E4 Total: 256				
11. Requirement: <u>6,490 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: This project will provide adequate unaccompanied housing quarters space for 256 students. (Current Mission) REQUIREMENT: The Center for Information Dominance (CID) at Corry Station trains "A" school students fresh out of boot camp. The facility provides training in the fields of cryptology, information operations, and information technology training. The facility is required primarily for Navy students but will also provide housing for Army, Marine Corp and Coast Guard personnel. The project combines technology, innovation, and science to produce highly trained enlisted personnel required to ensure dominance in the information fields.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																														
3. Installation(SA)& Location/UIC: N00204(AN) NAS PENSACOLA FL (CORRY STATION) PENSACOLA, FLORIDA			4. Project Title A-School Unaccomp Housing (Corry Station)																															
5. Program Element 0212276N	6. Category Code 72114	7. Project Number P723	8. Project Cost (\$000) 18,347																															
Students must study within secure school facilities due to the classified/sensitive nature of the training material. A-School students require on base housing. There is no off-base option. CURRENT SITUATION: Student loading at Corry Station is increasing due to growth in CID's training programs. This training growth has increased CID's average on board from nearly 1,600 students in 2010 to a peak loading of 2,044 students projected by 2016. As a result of this growth in student loading, rooms in the unaccompanied housing often have three students assigned instead of two. This exceeds criteria, makes learning difficult, and is not good for student health. IMPACT IF NOT PROVIDED: CID "A" school students will be housed in cramped conditions, with over 700 students being housed three persons to a two-person room. Quality of life will suffer, affecting academic performance and preparation for the fleet. Overcrowding can be expected to cause rapid deterioration of existing HVAC systems which are unable to handle the extra load, resulting in humid conditions conducive to the growth of mold and mildew.																																		
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>09/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>50%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td></td> </tr> <tr> <td>(B) Where design was previously used</td> <td>MCON P724 BEQ</td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$260</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$180</td> </tr> <tr> <td>(C) Total</td> <td>\$440</td> </tr> <tr> <td>(D) Contract</td> <td>\$180</td> </tr> <tr> <td>(E) In-house</td> <td>\$260</td> </tr> </table> 4. Contract award: 03/2016 5. Construction start: 04/2016 6. Construction complete: 07/2017					(A) Date design or Parametric Cost Estimate started	09/2013	(B) Date 35% Design or Parametric Cost Estimate complete	09/2014	(C) Date design completed	09/2015	(D) Percent completed as of September 2014	35%	(E) Percent completed as of January 2015	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	(A) Standard or Definitive Design		(B) Where design was previously used	MCON P724 BEQ	(A) Production of plans and specifications	\$260	(B) All other design costs	\$180	(C) Total	\$440	(D) Contract	\$180	(E) In-house	\$260
(A) Date design or Parametric Cost Estimate started	09/2013																																	
(B) Date 35% Design or Parametric Cost Estimate complete	09/2014																																	
(C) Date design completed	09/2015																																	
(D) Percent completed as of September 2014	35%																																	
(E) Percent completed as of January 2015	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																																	
(A) Standard or Definitive Design																																		
(B) Where design was previously used	MCON P724 BEQ																																	
(A) Production of plans and specifications	\$260																																	
(B) All other design costs	\$180																																	
(C) Total	\$440																																	
(D) Contract	\$180																																	
(E) In-house	\$260																																	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015								
3. Installation(SA)& Location/UIC: N00204(AN) NAS PENSACOLA FL (CORY STATION) PENSACOLA, FLORIDA			4. Project Title A-School Unaccomp Housing (Corry Station)									
5. Program Element 0212276N	6. Category Code 72114	7. Project Number P723	8. Project Cost (\$000) 18,347									
B. Equipment associated with this project which will be provided from other appropriations: <table border="0"> <thead> <tr> <th><u>Equipment</u> <u>Nomenclature</u></th> <th><u>Procuring</u> <u>Approp</u></th> <th><u>FY Approp</u> <u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Furniture/Collateral Equipment</td> <td>OMN</td> <td>2016</td> <td>1,816</td> </tr> </tbody> </table> C. FY 2014 R&M Conducted (\$000): D. FY 2015 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. Joint Use is recommended. Activity POC: Project Development Lead Phone No: 850-452-3131 x3013					<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>	Furniture/Collateral Equipment	OMN	2016	1,816
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>									
Furniture/Collateral Equipment	OMN	2016	1,816									

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N60508 NAS WHITING FLD MILTON FL WHITING FIELD, FLORIDA					4. Command Commander Navy Installations Command			5. Area Const Cost Index .9		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1468	297	215	0	0	0	28	50	0	2058
	1463	291	215	0	0	0	44	57	0	2070
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(4995 Acres)										
B. INVENTORY AS OF 30 SEP 2014										708,166
C. AUTHORIZATION NOT YET IN INVENTORY										49,702
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										10,421
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										106,540
H. GRAND TOTAL										874,829
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>		
17120	T-6B JPATS Training Operations Facility			08/2014	07/2015	4130 m2		10,421		
TOTAL									10,421	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										339,866
10. Mission or Major Functions:										
To produce the military's best trained Aviation Warfighter. 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 13 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 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N60508 NAS WHITING FLD MILTON FL WHITING FIELD, FLORIDA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .9

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60508 NAS WHITING FLD MILTON FL WHITING FIELD, FLORIDA			4. Project Title T-6B JPATS Training Operations Facility	
5. Program Element 0815976N	6. Category Code 17120	7. Project Number P274	8. Project Cost (\$000) 10,421	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
T-6B JPATS TRAINING OPERATIONS FACILITY (44,455SF)	m2	4,130		7,270
FLIGHT TRAINING/BRIEFING BUILDING CC17120 (44,455SF)	m2	4,130	1,260.68	(5,210)
INFORMATION SYSTEMS	LS			(450)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
BUILT-IN EQUIPMENT	LS			(680)
SPECIAL COSTS	LS			(710)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(130)
SUPPORTING FACILITIES				2,120
SPECIAL CONSTRUCTION FEATURES	LS			(520)
SITE PREPARATIONS	LS			(200)
PAVING AND SITE IMPROVEMENTS	LS			(550)
ELECTRICAL UTILITIES	LS			(210)
MECHANICAL UTILITIES	LS			(200)
DEMOLITION	LS			(440)
SUBTOTAL				9,390
CONTINGENCY (5%)				470
TOTAL CONTRACT COST				9,860
SIOH (5.7%)				560
SUBTOTAL				10,420
TOTAL REQUEST ROUNDED				10,420
TOTAL REQUEST				10,421
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,845)
10. Description of Proposed Construction:				
Constructs a low rise steel frame, reinforced concrete masonry unit operations facility with standing seam metal roofing system and spread footing foundation. The operations facility will include classrooms, administration space, ready-rooms, electronic briefing space, personnel support space, storage, photocopy areas, library, food storage and prep area, student activity space and additional space in support of the T6-B training curriculum.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60508 NAS WHITING FLD MILTON FL WHITING FIELD, FLORIDA			4. Project Title T-6B JPATS Training Operations Facility	
5. Program Element 0815976N	6. Category Code 17120	7. Project Number P274	8. Project Cost (\$000) 10,421	
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. The AT/FP line item includes standard force protection measures such as mass notifications systems, laminated windows, blast resistant window and door frames and emergency lighting and signage. Built in equipment includes passenger/freight elevator and emergency generator. Special costs include post construction contract award services (PCAS). A portion of existing hangar Building #2941 and Squadron Facility #2973 will be renovated and infrastructure provided to serve as temporary facilities for squadron personnel until the new construction is complete. Operations and Maintenance Support Information (OMSI) is included in this project. 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. Buildings #2972 (221 m2), #2973 (228 m2), #2999 (19 m2), #1424A (16 m2), #2896 (16 m2) and #2806 (234 m2) will be demolished. 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>4,500 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Constructs a two-story training operations facility that will provide adequate space needed to meet requirements of the new T6-B aircraft training curriculum. (Current Mission) REQUIREMENT:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60508 NAS WHITING FLD MILTON FL WHITING FIELD, FLORIDA			4. Project Title T-6B JPATS Training Operations Facility	
5. Program Element 0815976N	6. Category Code 17120	7. Project Number P274	8. Project Cost (\$000) 10,421	
Facilities are required to provide dedicated flight training and briefing spaces for flight training, T-6 electronic briefing instruction and administrative assistance to all instructor and student pilot trainees. This project is required to support major reorganization and consolidation of three fixed wing squadrons at north field under Training Wings Five. Consolidation of scattered functions into a facility located in close proximity of the flight line will save approximately one half the current time expended to complete one operation. This would result in increased efficiency, productivity and safety. CURRENT SITUATION: The existing training squadrons occupy three tenant facilities, Buildings #2972, #2806 and #2973, and are fully utilized and overcrowded due to increased manning and the arrival of the new T-6B Texan II trainer airframe. Every space is being utilized and many are considered dual-use or shared spaces. Current brief/debrief spaces are too few and too small to accommodate an instructor with several students and the required maps, charts and other reference materials used for briefing a complex single or multi-aircraft training flight. They are also too small and too closely positioned with respect to providing an environment where students can be counseled without distraction from adjacent activities or compromising discretion during instructor evaluation and critique of student performance. The addition of the electronic aids (computer workstation with a large display to permit simultaneous viewing of complex graphics to display briefing materials including weather maps and video of flight maneuvers by those seated around a small conference table) requires additional space in brief/debrief spaces. IMPACT IF NOT PROVIDED: Sufficient space is not available to provide for the T-6 electronic aided brief/debriefing spaces. The new T6-B airframe began arriving in 2009 requiring consolidated functions. Currently, instructors/students are required to walk excessive distances in G-suits, with gear, due to functions located in scattered locations. The quality of T-6 flight training will be impaired if fleet-common briefing tools and practices in brief/debrief spaces are not implemented. Pilot and instructor safety, training effectiveness, and squadron administrative efficiencies will continue to be severely jeopardized.				
12. Supplemental Data: A. Estimated Design Data:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																				
3. Installation(SA)& Location/UIC: N60508 NAS WHITING FLD MILTON FL WHITING FIELD, FLORIDA			4. Project Title T-6B JPATS Training Operations Facility																					
5. Program Element 0815976N	6. Category Code 17120	7. Project Number P274	8. Project Cost (\$000) 10,421																					
1. Status: (A) Date design or Parametric Cost Estimate started 08/2014 (B) Date 35% Design or Parametric Cost Estimate complete 01/2015 (C) Date design completed 07/2015 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 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 P273 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$670 (B) All other design costs \$220 (C) Total \$890 (D) Contract \$120 (E) In-house \$770 4. Contract award: 04/2016 5. Construction start: 05/2016 6. Construction complete: 07/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Audio Visual</td> <td>OPN</td> <td>2016</td> <td>281</td> </tr> <tr> <td>General Facility Furnishings</td> <td>OMN</td> <td>2016</td> <td>1,224</td> </tr> <tr> <td>Other Electronic Equipment</td> <td>OPN</td> <td>2016</td> <td>340</td> </tr> </tbody> </table> 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: 850-623-7292					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Audio Visual	OPN	2016	281	General Facility Furnishings	OMN	2016	1,224	Other Electronic Equipment	OPN	2016	340
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																						
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																					
Audio Visual	OPN	2016	281																					
General Facility Furnishings	OMN	2016	1,224																					
Other Electronic Equipment	OPN	2016	340																					

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015			
3. Installation and Location: M67004 MCLB ALBANY GA ALBANY, GEORGIA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index .82				
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	126	392	2390	0	0	0	0	0	1403	4311
	126	392	2386	0	0	0	0	0	1403	4307
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(3394 Acres)										
B. INVENTORY AS OF 30 SEP 2014										1,351,193
C. AUTHORIZATION NOT YET IN INVENTORY										5,880
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										7,851
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										45,055
H. GRAND TOTAL										1,409,979
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>			
82109	Ground Source Heat Pumps	08/2011		09/2015		313 TR	7,851			
TOTAL							7,851			
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										19,257
10. Mission or Major Functions:										
MCLB Albany enables operational readiness through infrastructure, logistics and services in order to support Marine Corps and other government components. The logistics base is home to the Marine Corps Logistics Command and the Maintenance Center Albany. The logistics base also conducts formal schools and training as may be directed and provides infrastructure, services and support to Marine Corps Forces, tenant activities and other customers.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: M67004 MCLB ALBANY GA ALBANY, GEORGIA		4. Command Commandant of the Marine Corps	5. Area Const Cost Index .82

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67004 MCLB ALBANY GA ALBANY, GEORGIA			4. Project Title Ground Source Heat Pumps	
5. Program Element 0202176M	6. Category Code 82620	7. Project Number P972	8. Project Cost (\$000) 7,851	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
GROUND SOURCE HEAT PUMPS	TR	313		7,010
GROUND SOURCE HEAT PUMPS (4 FIELDS) CC82620	TR	313	21,912.78	(6,860)
SPECIAL COSTS	LS			(120)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				80
SITE PREPARATIONS	LS			(80)
SUBTOTAL				7,090
CONTINGENCY (5%)				350
TOTAL CONTRACT COST				7,440
SIOH (5.7%)				420
SUBTOTAL				7,860
TOTAL REQUEST ROUNDED				7,860
TOTAL REQUEST				7,851
10. Description of Proposed Construction:				
Replace the Heating Ventilation and Air Conditioning (HVAC) systems with new renewable energy Ground Source Heat Pumps (GSHP) in eleven existing facilities. GSHP well field #1 will serve buildings 7104, 7112, 7120, 7121, and 7122. Well field #1 was sized to allow for additional connections of another adjacent building. GSHP well field #2 serves buildings 7106, 7108, and 7114. GSHP well field #3 serves buildings 7360 and 7520. GSHP well field #4 serves building 7600. Existing HVAC equipment will be replaced with geothermal wells, water source heat pump equipment, and ancillary piping. Work includes canopies and structural supports, above ground distribution piping and all associated electrical and Direct Digital Control (DDC) systems. Special costs include Post Construction Contract Award Services (PCAS) which includes geospatial surveys and mapping. Operations and Maintenance Support Information (OMSI) is included in this project. Site preparation includes clearing and grubbing. Department of Defense and Department of the Navy principles for high				

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3. Installation(SA)& Location/UIC: M67004 MCLB ALBANY GA ALBANY, GEORGIA			4. Project Title Ground Source Heat Pumps	
5. Program Element 0202176M	6. Category Code 82620	7. Project Number P972	8. Project Cost (\$000) 7,851	
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.				
11. Requirement: <u>313 TR</u> Adequate: Substandard: PROJECT: Aging HVAC equipment in buildings 7104, 7106, 7108, 7112, 7114, 7120, 7121, 7122, 7360, 7520, and 7600 will be replaced with GSHP systems, as part of the Secretary of the Navy's energy initiative to reduce the conventional energy footprint by utilizing renewable energy. (Current Mission) REQUIREMENT: To replace aging HVAC systems in multiple buildings that are beyond their useful life. GSHP systems utilize renewable energy and will assist the installation in complying with applicable acts and laws. CURRENT SITUATION: The existing HVAC systems for buildings 7104, 7106, 7108, 7112, 7114, 7120, 7121, 7122, 7360, 7520, and 7600 are inefficient, beyond their useful life and require replacement. The HVAC systems are consuming a high level of energy to heat and cool the buildings at high costs and require ongoing maintenance to keep the systems operating. This project will yield reductions in energy use in excess of 724,000 Kilowatt hours (kWh) of electricity and 30,000 therms of natural gas annually. IMPACT IF NOT PROVIDED: If the conventional HVAC systems are not replaced with GSHP systems, the installation will not comply with applicable acts and laws mandated by EO. Installation will not meet renewable energy mandates or reduce use and cost of electrical power. GSHP systems are the most energy efficient, environmentally clean, and cost effective space conditioning systems available.				
12. Supplemental Data: A. Estimated Design Data:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67004 MCLB ALBANY GA ALBANY, GEORGIA			4. Project Title Ground Source Heat Pumps	
5. Program Element 0202176M	6. Category Code 82620	7. Project Number P972	8. Project Cost (\$000) 7,851	
1. Status: (A) Date design or Parametric Cost Estimate started 01/2014 (B) Date 35% Design or Parametric Cost Estimate complete 10/2014 (C) Date design completed 09/2015 (D) Percent completed as of September 2014 30% (E) Percent completed as of January 2015 50% (F) Type of design contract Design Bid 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 \$450 (B) All other design costs \$170 (C) Total \$620 (D) Contract \$590 (E) In-house \$30 4. Contract award: 01/2016 5. Construction start: 03/2016 6. Construction complete: 03/2017 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 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: 229-639-7336				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67004 MCLB ALBANY GA ALBANY, GEORGIA			4. Project Title Ground Source Heat Pumps	
5. Program Element 0202176M	6. Category Code 82620	7. Project Number P972	8. Project Cost (\$000) 7,851	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index .91		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	451	4320	1794	0	0	0	101	399	0	7065
	457	4448	1794	0	0	0	101	399	0	7199
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(16616 Acres)										
B. INVENTORY AS OF 30 SEP 2014										2,698,092
C. AUTHORIZATION NOT YET IN INVENTORY										93,814
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										8,099
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										244,465
H. GRAND TOTAL										3,044,470
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>	
89050	Industrial Control System Infrastructure			09/2014	04/2016	0 LS			8,099	
TOTAL									8,099	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										606,068
10. Mission or Major Functions:										
Provides consolidated management of multiple Naval activities which support the Trident submarine program. Tenant commands include Submarine squadrons, Strategic Weapons Facility Atlantic, the Trident Refit Facility and the Trident Training Facility. Supporting commands include medical and dental centers, personnel and legal support and public works support.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .91

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Industrial Control System Infrastructure	
5. Program Element 0712776N	6. Category Code 89050	7. Project Number P670	8. Project Cost (\$000) 8,099	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
INDUSTRIAL CONTROL SYSTEM INFRASTRUCTURE	LS			6,180
INTEGRATED DIGITAL NETWORK CC89050	EA	1	5,435,746.64	(5,440)
BLDG 2025 CC21910 (5,005 SF) (RENOVATE)	m2	465	1,140.46	(530)
BUILT-IN EQUIPMENT	LS			(80)
SPECIAL COSTS	LS			(100)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				870
ELECTRICAL UTILITIES	LS			(720)
MECHANICAL UTILITIES	LS			(150)
SUBTOTAL				7,050
CONTINGENCY (5%)				350
TOTAL CONTRACT COST				7,400
SIOH (5.7%)				420
SUBTOTAL				7,820
DESIGN/BUILD - DESIGN COST				280
TOTAL REQUEST ROUNDED				8,100
TOTAL REQUEST				8,099
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(600)
10. Description of Proposed Construction:				
The project reconfigures and upgrades Subase Kings Bay existing Integrated Digital Network (IDN) infrastructure. The project will upgrade the passive and active infrastructure for the Supervisory Control and Data System (SCADA) network. The project upgrades the SCADA equipment (Bldg 2025, supporting infrastructure, main distribution nodes (MDN), intermediate distribution nodes (IDN) and edge network nodes (EDN) located within Bldg #2005, Bldg #2023, Bldg #2025, Bldg #3030, Bldg #4025, Bldg #5041, Bldg #5051, Bldg #5070 and Bldg #6002. The project renovates Bldg 2025 to include upgrades to the HVAC system in support of the SCADA equipment cooling requirements.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Industrial Control System Infrastructure	
5. Program Element 0712776N	6. Category Code 89050	7. Project Number P670	8. Project Cost (\$000) 8,099	
Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure. Built-In Equipment includes control room furnishings and supervisory control data components(SCADA). Special costs include Post Construction Contract Award Services (PCAS). Operations and Maintenance Support Information (OMSI) is included in this project 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. Mechanical utilities include water system controls, waste-water system controls and thermal system controls. Electrical utilities include primary and secondary distribution systems, lighting, transformers, telecommunications infrastructure and upgrades to electrical feeder distribution relays. 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>1 EA</u> Adequate: Substandard: PROJECT: Upgrade SCADA and electrical distribution to improve Subase Kings Bay security of energy supply and facilitate integration of smart grid development by establishing a reliable, expandable and accreditable industrial controls network. (Current Mission) REQUIREMENT: Upgrade SCADA central control room ergonomics. Improve electrical distribution reliability and redundancy through installation of programmable solid state protective relays. Create centralized server				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																						
3. Installation(SA)& Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Industrial Control System Infrastructure																							
5. Program Element 0712776N	6. Category Code 89050	7. Project Number P670	8. Project Cost (\$000) 8,099																							
architecture to allow management of any part of the SCADA system from any workstation via RDP if necessary. CURRENT SITUATION: The existing SCADA system was last modified in 1997 to include new passive infrastructure, pathways, and SCADA monitoring, processing, and network devices. The existing infrastructure is using a combination of twisted pair, multimode, serial/pinned and wireless with various interface protocols. The existing infrastructure includes limited single mode fiber optic cable. The SCADA system is integral to the Kings Bay utility operations. Remote utility service plants operate unmanned and are monitored and controlled locally from the central control center. The buried multi-mode fiber is severely degraded and causes data loss and throughput reductions thereby reducing utility service reliability. The SCADA network is not in compliance with DoD cyber-security accreditation requirements. IMPACT IF NOT PROVIDED: Under contingency conditions where commercial power is curtailed, the base could not provide power in an emergency or reliably dispatch power from the Central Control Center to all base loads as required. Delays in providing generation due to unavailability of operations personnel or constraints on personnel movement within or onto the base will continue. Kings Bay Utilities SCADA would remain vulnerable to cyber intrusion.																										
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>04/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>20%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$250</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	09/2014	(B) Date 35% Design or Parametric Cost Estimate complete	01/2015	(C) Date design completed	04/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	20%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$250
(A) Date design or Parametric Cost Estimate started	09/2014																									
(B) Date 35% Design or Parametric Cost Estimate complete	01/2015																									
(C) Date design completed	04/2016																									
(D) Percent completed as of September 2014	5%																									
(E) Percent completed as of January 2015	20%																									
(F) Type of design contract	Design Build																									
(G) Parametric Estimate used to develop cost	No																									
(H) Energy Study/Life Cycle Analysis performed	No																									
(A) Standard or Definitive Design	No																									
(B) Where design was previously used																										
(A) Production of plans and specifications	\$250																									

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N42237 SUBASE KINGS BAY GA KINGS BAY, GEORGIA			4. Project Title Industrial Control System Infrastructure	
5. Program Element 0712776N	6. Category Code 89050	7. Project Number P670	8. Project Cost (\$000) 8,099	
(B) All other design costs				\$80
(C) Total				\$330
(D) Contract				\$300
(E) In-house				\$30
4. Contract award:				01/2016
5. Construction start:				05/2016
6. Construction complete:				05/2017
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>		
SCADA Computers		OPN	2017	600
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: 912 573 4631				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015		
3. Installation and Location: M60169 MARINE CORPS AIR STATION BEAUFORT TOWNSEND, GEORGIA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index .91			
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT		TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
	342	3070	958	0	0	0	0	0	7398
	354	3380	958	0	0	0	0	0	7398
7. INVENTORY DATA (\$000)									
A. TOTAL ACREAGE ..(35234 Acres)									
B. INVENTORY AS OF 30 SEP 2014									6,531
C. AUTHORIZATION NOT YET IN INVENTORY									57,123
D. AUTHORIZATION REQUESTED IN THIS PROGRAM									48,279
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									0
F. PLANNED IN NEXT THREE PROGRAM YEARS									0
G. REMAINING DEFICIENCY									9,850
H. GRAND TOTAL									121,783
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>		
91110	Townsend Bombing Range Expansion-Phs 2	02/2013		06/2016		0 LS	48,279		
TOTAL							48,279		
9. Future Projects:									
A. Included In The Following Program:									
B. Major Planned Next Three Years:									
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 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(*):									0
B. Occupational Safety and Health(OSH)(#):									0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: M60169 MARINE CORPS AIR STATION BEAUFORT TOWNSEND, GEORGIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .91

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M60169(GA) MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA			4. Project Title Townsend Bombing Range Expansion-Phs 2	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P474	8. Project Cost (\$000) 48,279	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TOWNSEND BOMBING RANGE EXPANSION-PHS 2	LS			34,050
SAFETY LAND ACQUISITION CC91110 (10,235AC)	ha	4,142	6,527.94	(27,040)
RANGE ADMINISTRATIVE FACILITY CC61010 (1,959SF)	m2	182	3,093.22	(560)
FIRE & EMERGENCY STATION - LONG CO CC73010	EA	1	2,501,200	(2,500)
FIRE & EMERGENCY STATION - MCINTOSH CO CC73010	EA	1	2,501,200	(2,500)
SPECIAL COSTS	LS			(1,450)
SUPPORTING FACILITIES				9,450
SITE PREPARATIONS	LS			(2,840)
PAVING AND SITE IMPROVEMENTS	LS			(5,740)
ELECTRICAL UTILITIES	LS			(190)
MECHANICAL UTILITIES	LS			(180)
ENVIRONMENTAL MITIGATION	LS			(500)
SUBTOTAL				43,500
CONTINGENCY (5%)				2,180
TOTAL CONTRACT COST				45,680
SIOH (5.7%)				2,600
SUBTOTAL				48,280
TOTAL REQUEST ROUNDED				48,280
TOTAL REQUEST				48,279
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(75)
10. Description of Proposed Construction:				
This project acquires real estate interests in lands located adjacent to existing lands of Townsend Bombing Range (TBR), Georgia and constructs a range administrative facility. Construction also includes a total of two viable fire and emergency response stations to be located in McIntosh and Long County to enhance fire and emergency response resources available to the Range. To reduce project and operational costs to acquire the necessary supplemental fire protection, subject to the necessary mutual support agreements with the				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M60169(GA) MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA			4. Project Title Townsend Bombing Range Expansion-Phs 2	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P474	8. Project Cost (\$000) 48,279	
Counties, these fire stations will be constructed to local building standards on nonfederal property located in the respective counties. Title to fire stations, once constructed, will be turned over to each county, without reimbursement, and will be outfitted, manned, and operated by each County, at no cost to the Department, in accordance with mutual support agreements executed prior to construction. Special costs include post construction contract award services (PCAS). Site preparations include clearing, and grubbing. Paving and site improvements include filling and grading, road access, signage and security fencing. Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure. Mechanical utilities include water lines, sanitary sewer lines, fire protection systems and supply lines. Environmental mitigation includes wetland mitigation. 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.				
11. Requirement: <u>4,142 ha</u> Adequate: <u>0 ha</u> Substandard: <u>0 ha</u> PROJECT: Acquire interest in primarily undeveloped, minimally improved lands surrounding the existing Townsend Bombing Range (TBR) for the purpose of accommodating required missions including the use of Precision Guided Munitions (PGMs). (New Mission) REQUIREMENT: Marine Air Group-31 training syllabus requires a high altitude PGM training site on the East Coast. Eglin AFB, the only location for this type of training on the East Coast, will no longer be available once the F-35 becomes operational. In its current configuration, only 25 of 53 training objectives (47%) of the F/A-18 air-to-ground training syllabus can be				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M60169(GA) MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA			4. Project Title Townsend Bombing Range Expansion-Phs 2	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P474	8. Project Cost (\$000) 48,279	
accomplished at TBR. The TBR land acquisition is planned in phases. Phase I will provide the capability to conduct 45 of 53 air-to-ground training objectives (85%) for the F/A-18. The only air-to-ground training objectives that will not be possible are those requiring control indirect fires or use of illumination flares. PGM delivery will be limited to one Joint Direct Attack Munition (JDAM) profile and one Laser Guided Bomb (LGB) profile. This second phase of the land acquisition is required to provide realistic training with multiple profiles and attack headings to best simulate tactical scenarios. An increase in the size of the range property is required because PGMs require larger weapon danger zones (safety footprints) in order to accommodate release from higher altitudes and longer ranges than unguided ordnance. PGMs are the family of weapons used almost exclusively in combat and contingency theaters of operations in order to limit collateral damage and injuries. Marine Air Group-31 must have ready access to a local range that enables the command to adequately, realistically, and safely train aviators for combat. Expansion of TBR will not require lateral expansion of Special Use Airspace. Proposed land expansion falls within the current borders of Federal Aviation Administration establishment of the Coastal Military Operating Area (MOA) airspace and provides adequate airspace for the increased training opportunities afforded by expanding the range. Viable fire and emergency response stations are required to enable local fire and emergency services to provide backup fire suppression and emergency response capabilities to TBR once it is expanded. CURRENT SITUATION: The mission of MCAS Beaufort's TBR is to jointly support the training and operations of Marine Air Group-31, 2nd Marine Air Wing and other Military Services performing air-to-ground bombing maneuvers. TBR is owned by MCAS Beaufort and is approximately 5,183 acres within the northwest portion of McIntosh County, Georgia. It is operated by the Georgia Air National Guard under a MOA with MCAS Beaufort. The range serves 19 users from five states that fly in a variety of aircraft. The Marine Corps is the primary user of this training facility. One type of mission that continues to grow in importance in training military aircrews for combat involves precision bombing. Recent military conflicts have reinforced the need for selective targeting in military operations including particular city blocks and individual buildings in urban settings. Many missions preclude air strikes affecting large portions of cities and entire towns with dispersed non-combatants. Collateral damage is expected to be minimized in selective target operations and aircrews are required to target threats with				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015						
3. Installation(SA)& Location/UIC: M60169(GA) MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA			4. Project Title Townsend Bombing Range Expansion-Phs 2							
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P474	8. Project Cost (\$000) 48,279							
precision. Consequently, there is a requirement to train with PGMs and to provide intermediate training ranges capable of accommodating PGM training. Currently, TBR is not capable of accommodating a PGM release profile. Following the FY14 Phase I (MILCON Project P-473) land acquisition of approximately 19,825 acres, TBR will be able to accommodate one JDAM and one LGB profile with one target and one attack heading this will create diminishing training value as aircrew repetitively fly the same delivery profile. Inability to employ PGMs in various tactically realistic profiles causes a deficiency in aircrew training. Aircrews do not have the opportunity to create time/space and cockpit task loading management experience in various combat scenarios which creates and reinforces poor habits in time and task management. This project will acquire land to allow six targets with multiple attack headings. There are currently no mutual support agreements between the Marine Corps and McIntosh and Long County addressing secondary fire suppression and emergency response services for TBR. McIntosh and Long County do not have the capability to provide reliable secondary fire suppression and emergency services to TBR and, in fact, have similar needs for additional fire stations in the areas affected by the Range expansion. IMPACT IF NOT PROVIDED: It is important that TBR be able to accommodate the operational requirements of the units that train there so that the units are not required to deploy elsewhere for the training or be unprepared for actual combat because requirements were waived for lack of an adequate training facility. While the Phase I acquisition will allow limited delivery of PGMs, attack headings and release altitudes will be limited due to the lack of safety zone lands, which diminishes the capability for training under conditions that simulate the reality that aircrews face in actual combat. Aircrew training will continue to be accomplished inefficiently or not at all if the range is not expanded. In a high-threat combat environment, if this requirement is not met, this deficiency in training will result in reduced first pass target probability of kill, increased target area collateral damage and a greater potential for loss of aircrew life due to poor target area habit patterns.										
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>02/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>04/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>06/2016</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	02/2013	(B) Date 35% Design or Parametric Cost Estimate complete	04/2014	(C) Date design completed	06/2016
(A) Date design or Parametric Cost Estimate started	02/2013									
(B) Date 35% Design or Parametric Cost Estimate complete	04/2014									
(C) Date design completed	06/2016									

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																
3. Installation(SA)& Location/UIC: M60169(GA) MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA			4. Project Title Townsend Bombing Range Expansion-Phs 2																	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P474	8. Project Cost (\$000) 48,279																	
(D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 5% (F) Type of design contract Other (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 \$400 (B) All other design costs \$1,200 (C) Total \$1,600 (D) Contract \$1,198 (E) In-house \$402 4. Contract award: 04/2016 5. Construction start: 07/2016 6. Construction complete: 11/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>O&MMC</td> <td>2016</td> <td>40</td> </tr> <tr> <td>Communication Equipment</td> <td>O&MMC</td> <td>2016</td> <td>35</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment	O&MMC	2016	40	Communication Equipment	O&MMC	2016	35
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																	
Collateral Equipment	O&MMC	2016	40																	
Communication Equipment	O&MMC	2016	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 Department of the Navy requirements.																				
Activity POC: Project Development Lead Phone No: 843-228-6704																				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M60169(GA) MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA			4. Project Title Townsend Bombing Range Expansion-Phs 2	
5. Program Element 0216496M	6. Category Code 91110	7. Project Number P474	8. Project Cost (\$000) 48,279	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
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: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	17	60	105	0	0	0	5	20	0	207
	16	70	105	0	0	0	5	20	0	216
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(4565 Acres)										
B. INVENTORY AS OF 30 SEP 2014										690,995
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										30,623
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										46,921
G. REMAINING DEFICIENCY										194,049
H. GRAND TOTAL										962,588
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>					
81231	PMRF Power Grid Consolidation	08/2013	04/2016	0 LS	30,623					
					TOTAL	30,623				
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
81160 Upgrade Power Plant & Electrical Distrib Sys										46,921
										TOTAL 46,921
C. R&M Unfunded Requirement (\$000): 0										
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 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title PMRF Power Grid Consolidation	
5. Program Element 0712776N	6. Category Code 81231	7. Project Number P416	8. Project Cost (\$000) 30,623	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PMRF POWER GRID CONSOLIDATION	LS			20,280
ELECTRICAL DISTRIBUTION CC81231 (20,013LF)	m	6,100	2,742.92	(16,730)
PAD MOUNTED SWITCHGEAR CC81330	EA	7	157,340.13	(1,100)
UTILITY INTERCONNECTION CC81320	EA	1	2,082,572.25	(2,080)
SPECIAL COSTS	LS			(220)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(150)
SUPPORTING FACILITIES				6,230
SITE PREPARATIONS	LS			(550)
ELECTRICAL UTILITIES	LS			(5,680)
SUBTOTAL				26,510
CONTINGENCY (5%)				1,330
TOTAL CONTRACT COST				27,840
SIOH (6.2%)				1,730
SUBTOTAL				29,570
DESIGN/BUILD - DESIGN COST				1,060
TOTAL REQUEST ROUNDED				30,630
TOTAL REQUEST				30,623
10. Description of Proposed Construction:				
This project consolidates the Pacific Missile Range Facility (PMRF) Barking Sands electrical power distribution systems by connecting multiple independent systems into one continuous system. The integration of these grids will require replacing portions of the existing electrical infrastructure with a new backbone distribution system and service laterals with larger conductor sizes and underground duct bank/manholes. Project provides pad mounted switchgear for grid isolation and equipment protection. Medium-Voltage (MV) cables, splices, and terminations will be required to connect the pad mounted switchgears to the primary and secondary electrical infrastructure. The utility interconnection will consist of installing interconnection				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title PMRF Power Grid Consolidation	
5. Program Element 0712776N	6. Category Code 81231	7. Project Number P416	8. Project Cost (\$000) 30,623	
devices to include breakers, switches with sensors, relays and operating devices to control Kauai Island Utility Cooperative (KIUC) utility company's incoming feeders. This will allow load sharing and power distribution between the separate incoming feeders from KIUC. Special costs include Post Construction Contract Award Services (PCAS). Operation and Maintenance Support Information (OMSI) is included in this project. 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. Site preparations include preparation for construction, landscaping, and stormwater management system. Electrical utilities include energy storage and grid control and stabilization utilizing batteries and capacitors, overhead line work, pad mounted transformer, and grid voltage support. 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>6,100 m</u> Adequate: <u>0 m</u> Substandard: <u>0 m</u> PROJECT: Project will consolidate the electrical distribution systems at PMRF for the Administrative/Range Operations, Support Facilities/Housing, and Kokole Point areas for the Trans-receiver site, missile launchers, and support facilities. (Current Mission) REQUIREMENT: Consolidation of the electrical power grids into one continuous system will improve energy security for critical range operations, enable renewable resources to meet load requirements, and help to meet the station's energy goals. Grid consolidation will enable power transfer from areas that				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title PMRF Power Grid Consolidation	
5. Program Element 0712776N	6. Category Code 81231	7. Project Number P416	8. Project Cost (\$000) 30,623	
produce excess renewable energy to other grids on the installation, thus increasing overall system efficiency and reducing energy costs. The Energy Policy Act of 2005 (Public Law 109-58) and the Energy Independence and Security Act of 2007 require increased usage of Renewable Power and enhanced Energy Security. This Grid Consolidation Project will accomplish both goals by enabling the more effective use of increased levels of power produced by solar photovoltaics (PV), and the on-site generator sets. It will also remove the Navy systems from reliance on commercial power. Energy will be shared between multiple grids, thereby increasing energy security. CURRENT SITUATION: The existing distribution systems at PMRF Barking Sands site are currently supplied by three different utility circuits, and are segmented according to geographic location and operational configurations. The KIUC utility company owns and maintains a portion of the electrical infrastructure within the fence-line. This compromises energy security. The rest of the system is owned by the base. Much of the existing distribution systems are composed of overhead lines, pole-mounted transformers, and switches that have been in place for decades and are exposed to natural events such as hurricanes, flooding from tsunamis and the marine environment. The system currently experiences excessive maintenance costs and power failures. There also is no ability to share power between the different systems in place. There are many recently completed, currently in-construction, and proposed projects at the installation that affect the electrical distribution system integrity, energy security capabilities, and site's energy consumption. Several recently installed rooftop PV systems cannot be fully utilized due to utility company's restrictions. Connecting the grids will allow more PV to be brought on line, with energy transferred to other grids as necessary. IMPACT IF NOT PROVIDED: Failure to implement the proposed project will keep the base's electrical distribution system disjointed. Sharing and distribution of loads as well as renewable energy sources throughout the base will not be possible. Existing rooftop PV systems cannot be fully utilized. The existing overhead lines that supply key components of the installation will experience failures due to aging and intermittent excessive high winds/hurricanes. They will continue to deteriorate from the corrosive marine elements. If the Navy does not more effectively utilize, store and distribute the power it creates, utility company ownership of much of the				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61064 CNI PMRF HAWREA BARKING SANDS BARKING SANDS, HAWAII			4. Project Title PMRF Power Grid Consolidation	
5. Program Element 0712776N	6. Category Code 81231	7. Project Number P416	8. Project Cost (\$000) 30,623	
commercial electrical infrastructure within the fenceline will continue to be a threat to PMRF's energy security.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				08/2013
(B) Date 35% Design or Parametric Cost Estimate complete				02/2014
(C) Date design completed				04/2016
(D) Percent completed as of September 2014				2%
(E) Percent completed as of January 2015				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				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$790
(B) All other design costs				\$260
(C) Total				\$1,050
(D) Contract				\$960
(E) In-house				\$90
4. Contract award:				01/2016
5. Construction start:				05/2016
6. Construction complete:				09/2017
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 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII					4. Command Commander Navy Installations Command			5. Area Const Cost Index 2.08		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1611	8085	9099	0	0	0	282	362	0	19439
	1484	7572	9099	0	0	0	282	362	0	18799
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(7524 Acres)										
B. INVENTORY AS OF 30 SEP 2014										13,481,516
C. AUTHORIZATION NOT YET IN INVENTORY										142,316
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										14,881
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										222,936
G. REMAINING DEFICIENCY										1,644,078
H. GRAND TOTAL										15,505,727
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>	
17120	Welding School Shop Consolidation			02/2014	05/2016			0 LS	8,546	
81231	UEM Interconnect Sta C to Hickam			08/2014	05/2016			4000 m	6,335	
TOTAL									14,881	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
15150	Submarine Maintenance Pier									36,747
16510	Deep Draft Harbor Dredging									135,623
83210	Sewer Lift Station & Relief Sewer Line									41,043
15220	Shore Power Upgrade, Bravo 26									4,375
15220	Shore Power Upgrade, M4									5,148
TOTAL									222,936	
C. R&M Unfunded Requirement (\$000):										3,479,064
10. Mission or Major Functions:										
Joint Base Pearl Harbor delivers best-value base operating support to supported and tenant commands enabling their operational mission success while simultaneously providing the highest quality installation services, facilities support and quality of life programs.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII	4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.08	

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII			4. Project Title Welding School Shop Consolidation	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P036	8. Project Cost (\$000) 8,546	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WELDING SCHOOL SHOP CONSOLIDATION	LS			6,110
SHIPFITTERS, STRUCT & FABRI SHOPS (RENOV)CC17120	m2	678	4,816.07	(3,270)
ELECTRICAL SUBSTATION, BUILDING 155 (RENOV)CC81320	KV	3,000	301.34	(900)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
BUILT-IN EQUIPMENT	LS			(1,700)
SPECIAL COSTS	LS			(150)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				1,290
SITE PREPARATIONS	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(150)
ELECTRICAL UTILITIES	LS			(250)
MECHANICAL UTILITIES	LS			(650)
DEMOLITION	LS			(190)
SUBTOTAL				7,400
CONTINGENCY (5%)				370
TOTAL CONTRACT COST				7,770
SIOH (6.2%)				480
SUBTOTAL				8,250
DESIGN/BUILD - DESIGN COST				300
TOTAL REQUEST ROUNDED				8,550
TOTAL REQUEST				8,546
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(434)
10. Description of Proposed Construction:				
Renovates Buildings #155 and #155A to adapt their reuse for relocation and consolidation of the welding school. Renovations include interior architectural, mechanical and electrical modifications to create the following: a welding area, classrooms, break room, storage room and offices. Project will create welding booths with proper screening walls and ventilation (including separate exhaust systems with exhaust vented outside), compressed air, welding gas systems and lighting; emergency				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII			4. Project Title Welding School Shop Consolidation	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P036	8. Project Cost (\$000) 8,546	
shower and eye wash stations; classroom space (with acoustic rated doors, walls and ceilings) for the theory training requirements for welding; and office and break room space (with acoustic rated doors, walls and ceilings) for trainers. Checkered steel floor plating shall be provided below weld booths. The historically significant roof metal siding panels and clerestory windows above Building #155A shall be removed and repaired or replaced in-kind as necessary. Structural members supporting the roof shall be repaired where damaged. The existing electrical substation in Building #155 will be replaced to support the school's power requirement. The existing communications network in Building #155 will be extended to serve the renovated spaces. Project will also install fire sprinkler and fire alarm systems. 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. The AT/FP (inside) line-item includes standard force protection measures such as mass notification systems, emergency shutoffs for ventilation systems, laminated windows, blast resistant window and door frames and emergency lighting and signage. Built-in equipment includes compressed air, welding gas, welding booths, and ventilation for shop and weld booths. Special costs include post construction contract award services (PCAS), historical preservation and shipyard factor relating to the controlled industrial area. Operations and maintenance support information (OMSI) is included in this project. 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. Project will demolish Buildings #391A (148.18m2) and #392 (95.13m2). Building #92 will remain since it is a Historic Preservation Category III structure and demolition is prohibited; however the water and sewer connections will be capped.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII			4. Project Title Welding School Shop Consolidation	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P036	8. Project Cost (\$000) 8,546	
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>678 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Renovates the existing shipfitters shop (Building #155A) and structural & fabrication shop (Building #155) to relocate the welding school. Restores aging waterfront infrastructure nearing the end of service life, reduces footprint, and consolidates functions to streamline processes for efficiency gains. (Current Mission) REQUIREMENT: Pearl Harbor Naval Shipyard & Intermediate Maintenance Facility requires an applied instruction area to train and certify welders. The different disciplines include structural, pipe, shipfitter, sheet metal, nuclear and titanium welding. A safe facility is necessary to satisfy welding certification training requirements to perform nuclear submarine and surface ship welding repairs. This includes areas to learn and practice welding as well as classroom spaces for the theory knowledge requirements. The practical training areas will require power for the welding operations, ventilation to exhaust the noxious gases generated with welding and walls/floors and lighting consistent with operations. Walls of the classrooms will have sound insulation due to the noise levels generated with adjacent welding operations. The new facility will have training classrooms and practical training areas for the various welding procedures used during ship repair such as shielded metal arc welding and tungsten inert gas welding. Certified welders are required for ship and submarine repair work and welder's certifications require renewal every six months. CURRENT SITUATION: The current welding training buildings, Buildings #92, #391A and #392, are semi-permanent structures. These buildings are old (Building # 92 constructed in 1926 and Buildings #391A and #392 constructed in 1942), deteriorated and do not have fire alarms or fire sprinklers. These facilities cannot be renovated for other uses and require demolition. The training buildings are open construction. Due to risk of electrical				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII			4. Project Title Welding School Shop Consolidation	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P036	8. Project Cost (\$000) 8,546	
shock, welding training is suspended during inclement weather when water enters the welding training area. Training stoppages have reduced the number of certified welders periodically and affected submarine and ship repair work. The existing weld training booths do not have mechanical ventilation. When the students are welding, they are at risk for multiple health hazards due to the poor ventilation, which does not adequately remove noxious fumes. Welding fumes are potentially carcinogenic. In addition, the current welding school buildings are not adequate to train and certify welders for structural hull welding for the new steel used to construct the new Virginia class submarines. IMPACT IF NOT PROVIDED: The Shipyard will continue to train welders in inadequate and unsafe facilities suffering interruptions due to inclement weather. The result is a loss of efficiency and productivity, which directly and adversely impacts the fleet maintenance costs and schedules affecting ship availability. Working in old, dilapidated buildings is also a quality of life issue for workers with potential safety and health risks. The Shipyard will not be able to support structural hull work on the new Virginia class submarines if there is a lack of certified welders.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2014
(B) Date 35% Design or Parametric Cost Estimate complete				05/2014
(C) Date design completed				05/2016
(D) Percent completed as of September 2014				5%
(E) Percent completed as of January 2015				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				\$251
(B) All other design costs				\$167
(C) Total				\$418
(D) Contract				\$42

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015												
3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII			4. Project Title Welding School Shop Consolidation													
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P036	8. Project Cost (\$000) 8,546													
(E) In-house \$376 4. Contract award: 02/2016 5. Construction start: 05/2016 6. Construction complete: 12/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral equipment</td> <td>OMN</td> <td>2016</td> <td>434</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral equipment	OMN	2016	434
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>														
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>													
Collateral equipment	OMN	2016	434													
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: 808 473-8000 ext. 2937																

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII			4. Project Title Welding School Shop Consolidation	
5. Program Element 0805976N	6. Category Code 17120	7. Project Number P036	8. Project Cost (\$000) 8,546	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI JOINT BASE PEARL HARBOR-HICKAM, HAWAII			4. Project Title UEM Interconnect Sta C to Hickam	
5. Program Element 0712776N	6. Category Code 81232	7. Project Number P715	8. Project Cost (\$000) 6,335	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UEM INTERCONNECT STA C TO HICKAM (13,123LF)	m	4,000		4,290
ELEC DIST LINES NAVSTA MAIN CC81232 (13,123LF)	m	4,000	1,007.77	(4,030)
INFORMATION SYSTEMS	LS			(150)
SPECIAL COSTS	LS			(50)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(60)
SUPPORTING FACILITIES				1,200
ELECTRICAL UTILITIES	LS			(1,200)
SUBTOTAL				5,490
CONTINGENCY (5%)				270
TOTAL CONTRACT COST				5,760
SIOH (6.2%)				360
SUBTOTAL				6,120
DESIGN/BUILD - DESIGN COST				220
TOTAL REQUEST ROUNDED				6,340
TOTAL REQUEST				6,335
10. Description of Proposed Construction:				
Naval Station Pearl Harbor and Hickam Air Force Base were combined into Joint Base Pearl Harbor Hickam (JBPHH). This Utilities and Energy Management (UEM) project provides an electrical connection between prior Naval Station Pearl Harbor's Switching Station C (STA C) and the former Hickam Air Force Base electrical distribution system. Work will include installing new breakers on two of the three busses at STA C. One of the breakers will be used to balance the load as needed. The other breaker will be used to provide the tie-circuit between STA C and Switching Station K (STA K). In order for STA K to accept the new tie-circuit, its aging (25 plus years old) switch gear will be replaced. Due to the additional circuits required and the subsequent increase in size of the switch gear lineup, the Switching Station enclosure (Building #42A) will be extended. Four new tie-circuits will run from STA K and be spliced into the main Hickam circuits (1072A and 1072B) originating from the Front Station and Mamala Station. A new tie-circuit will run in new 8-way underground				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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5. Program Element 0712776N	6. Category Code 81232	7. Project Number P715	8. Project Cost (\$000) 6,335	
concrete encased ducts from STA C to STA K. Four new circuits in 8-way ductbanks with electrical manholes will be provided. 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 applicable to utility systems. Special costs include Post Construction Contract Award Services (PCAS). Operation and Maintenance Support Information (OMSI) is included in this project. 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 solutions satisfying the facility requirements with the goal of maximizing energy efficiency.				
11. Requirement: <u>3,315 m</u> Adequate: Substandard: PROJECT: This project will interconnect the electrical distribution power grids systems of the former Naval Station Pearl Harbor and the former Hickam Air Force Bases to form a single system for the new Joint Base Pearl Harbor Hickam. (Current Mission) REQUIREMENT: Naval Station Pearl Harbor and Hickam Air Force Base were combined into JBPHH. The electrical distribution systems require connection to provide flexibility and efficiency. Executive Order 13423 requires Federal agencies to reduce fossil fuel energy consumption by 3 percent each year, leading to 30 percent reduction by the end of fiscal year 2015 compared to a fiscal year 2003 baseline. A continuous electrical distribution system at JBPHH will allow sharing of				

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current and future renewable resources ultimately reducing the joint base's dependency on fossil fuel energy. Energy security will be provided during periods of emergency and commercial power outages. CURRENT SITUATION: Currently, NAVFAC Hawaii Utilities manages the electrical distribution system within JBPHH. There are two separate electrical distribution systems on one base. Existing ductbanks between STA C and STA K are filled with other cables. Between STA K and the point of connection at EMH A15, there is no existing underground electrical distribution system. There is no means of transferring loads or resources between the two distribution systems. It will be more efficient to have the commercial electric utility company bill NAVFAC Hawaii Utilities for a single service. The utility company is obligated to maintain surge capacity for each separate system. IMPACT IF NOT PROVIDED: In the event of a commercial power outage on either distribution system, there is no capability of sharing the load between the two distribution systems. Also, there is no capability in sharing renewable energy sources, for example, the existing photovoltaic farm on Hickam Air Force Base and future biodiesel plant on Naval Station Pearl Harbor. A reduction in surge capacity and its cost will not be realized by maintaining two separate systems.																																				
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>08/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>03/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>15%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$102</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$154</td> </tr> <tr> <td>(C) Total</td> <td>\$256</td> </tr> <tr> <td>(D) Contract</td> <td>\$213</td> </tr> <tr> <td>(E) In-house</td> <td>\$43</td> </tr> </table> 4. Contract award: <table> <tr> <td></td> <td>01/2016</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	08/2014	(B) Date 35% Design or Parametric Cost Estimate complete	03/2015	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	15%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy Study/Life Cycle Analysis performed	Yes	(A) Standard or Definitive Design	No	(B) Where design was previously used	N/A	(A) Production of plans and specifications	\$102	(B) All other design costs	\$154	(C) Total	\$256	(D) Contract	\$213	(E) In-house	\$43		01/2016
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5. Program Element 0712776N	6. Category Code 81232	7. Project Number P715	8. Project Cost (\$000) 6,335	
5. Construction start: 06/2016 6. Construction complete: 06/2017 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) 474-2083				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: M00318 MARINE CORPS BASE HAWAII KANE OHE BAY, HAWAII							4. Command Commandant of the Marine Corps		5. Area Const Cost Index 2.3	
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	984	6988	1220	21	713	0	0	0	7040	16966
	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 2014										3,853,304
C. AUTHORIZATION NOT YET IN INVENTORY										311,602
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										106,618
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										59,901
F. PLANNED IN NEXT THREE PROGRAM YEARS										57,147
G. REMAINING DEFICIENCY										1,423,922
H. GRAND TOTAL										5,812,494
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>					
11615	P-8A Detachment Support Facilities	10/2012	04/2016	0 LS	12,429					
81232	Airfield Lighting Modernization	03/2013	09/2015	20848 m	26,097					
72124	Bachelor Enlisted Quarters	03/2013	05/2016	14083 m2	68,092					
				TOTAL	106,618					
9. Future Projects:										
A. Included In The Following Program:										
11120 LHD Pad Conversion and MV-22 LZ Improvements										4,042
21710 Regimental Consolidated Comm/Elec Facility										47,329
11665 Van Pad Modernization										8,530
TOTAL										59,901
B. Major Planned Next Three Years:										
83110 WRF Redundancy and Electrical Upgrades										7,841
14345 MAG-24 Armory Expansion										10,560
14986 VMU Operations Support Facility										5,290
21105 Hangar 102 Modernization										4,969
81232 Electrical Distribution Modernization										28,487
TOTAL										57,147
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										

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: M00318 MARINE CORPS BASE HAWAII KANEHOE BAY, HAWAII		4. Command Commandant of the Marine Corps	5. Area Const Cost Index 2.3
other Department of Defense units. MCB Hawaii supports Marine Forces Pacific Headquarters personnel.			
11. Outstanding Pollution and Safety Deficiencies (\$000):			
A. Pollution Abatement(*):			0
B. Occupational Safety and Health(OSH)(#):			0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANE OHE BAY, HAWAII			4. Project Title P-8A Detachment Support Facilities	
5. Program Element 0212176N	6. Category Code 11615	7. Project Number P116	8. Project Cost (\$000) 12,429	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
P-8A DETACHMENT SUPPORT FACILITIES	LS			8,440
AIRCRAFT RINSE FAC (RENOVATE) CC11615	EA	1	7,384,795.34	(7,380)
TAC SUPPORT BUILDING 6470 CC21190(RENOVATE)	m2	166	2,049.2	(340)
MAINTENANCE HANGAR CC21101,2,3 (RENOVATE)	m2	957	184.17	(180)
INFORMATION SYSTEMS	LS			(40)
BUILT-IN EQUIPMENT	LS			(10)
SPECIAL COSTS	LS			(270)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(220)
SUPPORTING FACILITIES				2,320
PAVEMENT FACILITIES	LS			(1,860)
SITE PREPARATIONS	LS			(400)
PAVING AND SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				10,760
CONTINGENCY (5%)				540
TOTAL CONTRACT COST				11,300
SIOH (6.2%)				700
SUBTOTAL				12,000
DESIGN/BUILD - DESIGN COST				430
TOTAL REQUEST ROUNDED				12,430
TOTAL REQUEST				12,429
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(163)
10. Description of Proposed Construction:				
Enlarges and realigns existing aircraft rinse facility (Facility #6107) to accommodate the larger P-8A Poseidon aircraft without disturbing adjacent historic artifacts in nearby hillside. These modifications to include additional pavement and aircraft water rinse jet reconfiguration. Renovates part of Building #6470, currently a tactical support facility, first floor to provide P-8A detachment maintenance space. Renovation work includes partition and ceiling demolition work and wall refinishing, roll-				

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3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEOME BAY, HAWAII			4. Project Title P-8A Detachment Support Facilities	
5. Program Element 0212176N	6. Category Code 11615	7. Project Number P116	8. Project Cost (\$000) 12,429	
up door installation, modifying overhead lighting, electrical service, industrial ventilation, air conditioning and fire protection to convert multiple adjacent spaces into an open maintenance space. Renovates part of Hangar #104 to provide office spaces for support equipment (SE) personnel and a secured space in the high-bay area for P-8A detachment SE storage. SE personnel offices to be provided by renovating two existing first floor office spaces including replacing suspended ceiling system, flooring, and wall finishes, and modifying overhead lighting and electrical service. Modifies and widens, by approximately 40 feet, the taxiway and shoulder at the aircraft parking apron in front of the two aircraft parking spots to accommodate the larger P-8A aircraft and to provide adequate circulation around the aircraft. 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. Built-in equipment includes an eye wash station. Special costs include Post Construction Contract Award Services (PCAS), geospatial survey and mapping, and archaeological monitoring. Operations and Maintenance Support Information (OMSI) is included in this project. 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.				
11. Requirement: <u>1,123 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII			4. Project Title P-8A Detachment Support Facilities	
5. Program Element 0212176N	6. Category Code 11615	7. Project Number P116	8. Project Cost (\$000) 12,429	
Renovates and modifies existing base facilities to support the basing of a two-plane permanent detachment of P-8A aircraft at MCBH Kaneohe Bay. The renovations are required for the operation and maintenance of the aircraft. Detachment aircrew and operations personnel spaces to be provided by using spaces in an existing building. (New Mission) REQUIREMENT: Maritime patrol and reconnaissance aircraft are required at MCBH Kaneohe Bay to provide anti-submarine warfare, anti-surface warfare, intelligence, surveillance and reconnaissance ready alert capabilities to US Pacific Command (USPACOM) and US Pacific Fleet (PACFLT) in the middle Pacific area of responsibility. P-3C Orion aircraft currently providing this capability are scheduled to transition to the P-8A Poseidon aircraft with a two plane detachment arriving April 2018. Navy Region Hawaii is responsible for ensuring that adequate shore infrastructure is provided to support this aircraft and its associated personnel and operations. The two-plane P-8A aircraft detachment that will provide ready alert support to USPACOM and PACFLT requires two aircraft parking spots on the existing aircraft parking apron, an aircraft rinse facility for rinsing the aircraft after each sortie, aircrew ready room and mission planning spaces and aircraft support equipment maintenance and storage spaces. CURRENT SITUATION: MCBH Kaneohe Bay does not currently have the facilities to support a two-plane permanent detachment of the new P-8A aircraft. The P-8 is larger than the P-3C in all dimensions. The existing aircraft rinse facility is inadequate for the P-8A and requires modification/expansion. The taxi lane at the aircraft apron is not wide enough to accommodate the larger P-8A. The base does not have designated office/storage/maintenance space for supporting Commercial Common Support Equipment which is a new requirement for the P-8A. The base also does not have designated space for maintenance personnel who will be permanently assigned to the two-plane detachment. IMPACT IF NOT PROVIDED: If the project is not accomplished, it will severely impact the Navy's plan to transition to the P-8A aircraft. Achieving timely and efficient aircraft replacement is of paramount consideration, given the aging fleet of P-3C aircraft, the associated costs of extending their service life, and concerns regarding their continued reliability to meet operational readiness requirements.				
12. Supplemental Data: A. Estimated Design Data:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																
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5. Program Element 0212176N	6. Category Code 11615	7. Project Number P116	8. Project Cost (\$000) 12,429																	
1. Status: (A) Date design or Parametric Cost Estimate started 10/2012 (B) Date 35% Design or Parametric Cost Estimate complete 08/2013 (C) Date design completed 04/2016 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 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 Yes (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 \$324 (C) Total \$540 (D) Contract \$449 (E) In-house \$91 4. Contract award: 01/2016 5. Construction start: 05/2016 6. Construction complete: 09/2017 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>OMN</td> <td>2016</td> <td>112</td> </tr> <tr> <td>Physical Security Equipment</td> <td>OMN</td> <td>2016</td> <td>51</td> </tr> </tbody> </table> 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: (301) 342-3072					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>		Collateral Equipment	OMN	2016	112	Physical Security Equipment	OMN	2016	51
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>																	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>																		
Collateral Equipment	OMN	2016	112																	
Physical Security Equipment	OMN	2016	51																	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII			4. Project Title Airfield Lighting Modernization	
5. Program Element 0216496M	6. Category Code 13650	7. Project Number P902	8. Project Cost (\$000) 26,097	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRFIELD LIGHTING MODERNIZATION (68,399LF)	m	20,848		21,220
AIRFIELD LIGHTING NAVAID SYSTEM CC13650 (68,399LF)	m	20,848	900.34	(18,770)
BUILT-IN EQUIPMENT	LS			(200)
SPECIAL COSTS	LS			(2,140)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
SUPPORTING FACILITIES				2,190
SITE PREPARATIONS	LS			(180)
PAVING AND SITE IMPROVEMENTS	LS			(20)
ELECTRICAL UTILITIES	LS			(1,730)
MECHANICAL UTILITIES	LS			(130)
ENVIRONMENTAL MITIGATION	LS			(80)
DEMOLITION	LS			(50)
SUBTOTAL				23,410
CONTINGENCY (5%)				1,170
TOTAL CONTRACT COST				24,580
SIOH (6.2%)				1,520
SUBTOTAL				26,100
TOTAL REQUEST ROUNDED				26,100
TOTAL REQUEST				26,097
10. Description of Proposed Construction:				
Replace and modernize various components of the standard airfield lighting system at Marine Corps Base Hawaii (MCBH), Kaneohe Bay (K-Bay) to provide a reliable, adequate and safe system. Replace or modernize the existing standard airfield lighting and navigational aids (NAVAID) system including airfield lighting, ductlines, handholes, manholes, cables, grounding, signs, navigational aids, and miscellaneous repairs/improvements to traffic control and taxiways and other supporting navigational aids. Some airfield lighting is located in the floodplain along with the existing runway. No buildings (such as the airfield lighting vault) are being constructed in the floodplain. Only some lighting is being constructed in the floodplain. No mitigation measures are anticipated since the lighting needs to be at the same level				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANE OHE BAY, HAWAII			4. Project Title Airfield Lighting Modernization	
5. Program Element 0216496M	6. Category Code 13650	7. Project Number P902	8. Project Cost (\$000) 26,097	
as the runway Built in equipment includes a new standby generator for the new airfield lighting vault to provide back-up power. Special costs include post construction contract award services (PCAS), geospatial survey and mapping, archaeological monitoring during excavation, and the Hawaii Gross Excise Tax. Operations and maintenance support information (OMSI) is included in this project. Site preparation includes site excavation and preparation for construction including the remediation or disposal of contaminated soil. Paving and site improvements include concrete runway end light strip pavement, pavement striping, site demolition and other ancillary improvements. Electrical utilities include providing a new airfield lighting constant current regulator vault to replace the obsolete vault in B105, a dedicated commercial electrical source, a standby generator, storage facilities and ancillary work. Mechanical utilities include water distribution lines to supply water to building fire protection systems. 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. 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. Environmental mitigation includes archaeological data recovery and other measures. This is due to the archaeological sensitivity in all areas of this project. Substation Building #138 (82 m2) and electrical switches VS-240 and VS-240A				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANE OHE BAY, HAWAII			4. Project Title Airfield Lighting Modernization	
5. Program Element 0216496M	6. Category Code 13650	7. Project Number P902	8. Project Cost (\$000) 26,097	
will be demolished because they are located in the taxiway clear zone. Covered storage Building #1674 (24 m2) will be demolished because its function will be relocated and it is in the taxiway clear zone. 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. The planned project site is within the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project. No buildings are being constructed in the floodplain. Only some lighting is being constructed in the floodplain. No mitigation measures are required since the lighting needs to be at the same level as the runway.				
11. Requirement: <u>20,848 m</u> Adequate: <u>610 m</u> Substandard: <u>4,980 m</u> PROJECT: Repair and upgrade various portions of the airfield lighting system at Marine Corps Base Hawaii. (Current Mission) REQUIREMENT: Provide a reliable and adequate airfield lighting system for the safety of the pilots that utilize the airfield and the electricians that service and maintain the airfield lights. CURRENT SITUATION: An airfield distribution and lighting study was conducted to assess the airfield lighting system which consists of the airfield lights, navigational aids, an electrical vault, 5KV supporting infrastructure and associated components. The study evaluated condition, reliability, capacity and compliance with all applicable standards and codes. The airfield lighting study identified a multitude of condition, capacity and safety problems which need to be corrected. IMPACT IF NOT PROVIDED: The airfield lighting will not be able to meet the needs of its current and future users. The electrical components of the airfield lighting system are already obsolete, deteriorated and beyond their useful lives. They will continue to degrade and remain unsafe. If the airfield lighting components continue to degrade, they will eventually fail and the airfield will need to be shut down. The components will also continue to be a life safety				

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5. Program Element 0216496M	6. Category Code 13650	7. Project Number P902	8. Project Cost (\$000) 26,097	
hazard jeopardizing the lives of the pilots using the airfield and the electricians servicing and maintaining the lighting system. Without the new taxiway B centerline lighting, the aircraft have a greater potential to come into contact with the nearby obstructions that fall within the clear zone, thereby risking the safety of the pilots and the personnel that occupy the nearby facilities.				
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 03/2013 (B) Date 35% Design or Parametric Cost Estimate complete 01/2015 (C) Date design completed 09/2015 (D) Percent completed as of September 2014 20% (E) Percent completed as of January 2015 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 \$432 (B) All other design costs \$648 (C) Total \$1,080 (D) Contract \$972 (E) In-house \$108 4. Contract award: 03/2016 5. Construction start: 04/2016 6. Construction complete: 02/2018 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 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: 808-257-9935				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANE OHE BAY, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0202176M	6. Category Code 72124	7. Project Number P910	8. Project Cost (\$000) 68,092	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS (151,588SF)	m2	14,083		44,260
BEQ 1 CC72124 (58,739SF)	m2	5,457	4,498	(24,550)
FIVE PALMS CC72377 (85,293SF) (RENOVATE)	m2	7,924	1,300.4	(10,300)
BEQ LAUNDRY FACILITIES CC72124 (7,556SF)	m2	702	4,799.8	(3,370)
ANTI-TERRORISM/FORCE PROTECTION	LS			(760)
BUILT-IN EQUIPMENT	LS			(900)
SPECIAL COSTS	LS			(3,920)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(460)
SUPPORTING FACILITIES				14,680
SITE PREPARATIONS	LS			(550)
SPECIAL FOUNDATION FEATURES	LS			(4,500)
PAVING AND SITE IMPROVEMENTS	LS			(2,030)
ELECTRICAL UTILITIES	LS			(4,830)
MECHANICAL UTILITIES	LS			(1,510)
ENVIRONMENTAL MITIGATION	LS			(270)
DEMOLITION	LS			(990)
SUBTOTAL				58,940
CONTINGENCY (5%)				2,950
TOTAL CONTRACT COST				61,890
SIOH (6.2%)				3,840
SUBTOTAL				65,730
DESIGN/BUILD - DESIGN COST				2,360
TOTAL REQUEST ROUNDED				68,090
TOTAL REQUEST				68,092
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,230)
10. Description of Proposed Construction: Constructs a Bachelor Enlisted Quarters (BEQ), provides air conditioning to the existing Bachelor Officers Quarters (BOQ) (Five Palms) Building #503 and provides laundry facilities to the 1600 Series BEQ complex.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANE OHE BAY, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0202176M	6. Category Code 72124	7. Project Number P910	8. Project Cost (\$000) 68,092	
The new building will be one BEQ structure with 102 rooms. Community and service core areas consist of laundry facilities, lounges, administrative offices, multipurpose recreation rooms, housekeeping areas and public restrooms. Building 503 will be air conditioned using a variable refrigerant flow (VRF) system, consisting of outdoor air cooled condensing units (ACCU) paired with multiple indoor fan coil units (FCU). New electrical service will be provided. The 1600 Series BEQs, consisting of Buildings 1604, 1632, 1633, 1634, 1635, 1654, 1655, and 1656 will be renovated to include additional laundry facilities. Work shall consist of conversion of the lounge in each of the existing buildings to a new laundry room with washers and stacked dryers. Electrical service will be upgraded. 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 for the BEQ. Built-in equipment includes ADA-compliant passenger/freight elevators and emergency electrical generators. Special costs include post construction contract award services (PCAS), geospatial surveys and mapping and the Hawaii State Gross Excise Tax. Electronic Operation & Maintenance Support Information (OMSI) is included in this project. 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. Site preparation includes clearing, grubbing, earthwork and chlordane contaminated soil remediation. Special foundation features include piles. Paving and site improvements include access roads, sidewalks, parking for approximately 200 vehicles, water quality units/low impact development				

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measures (LEED/LID) such as bio-swailes and grass pavers, enclosure for transformer, rec area enclosure, trash enclosure, gear washdown area, bicycle storage, miscellaneous site demolition, pavilion and landscaping. Walkways will be provided to connect to parking areas and existing sidewalks. Electrical utilities includes primary and secondary electrical distribution, transformer, area lighting, renewable energy systems, and communications infrastructure. Mechanical utilities include water/fire protection distribution, storm drainage system and sanitary sewers. Environmental mitigation includes archeological monitoring, interpretative signage, Historic American Building Survey (HABS) and other measures. Demolition includes the demolition of existing BEQ Building #229 and #230 and associated covered walkways (including weather shelter Buildings #1005 and #1006) because these facilities are in the new footprint. Hazardous materials to be removed include asbestos containing materials, lead paint, PCB ballasts and mercury lighting. Buildings to be demolished are: #229 (15928 SF), #230 (15928 SF), #1005 (800 SF), and #1006 (800 SF). 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. Intended Grade Mix: 202 E1-E4, 1 E5 Total: 203 Maximum utilization: up to 204 E1-E4				
11. Requirement: <u>6,375 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Provides a new permanent party BEQ facility and associated parking, installs new central air conditioning to the living spaces and corridors, conference room and administrative spaces of existing BOQ (Five Palms) Building #503 and converts the existing first floor lounges to laundry rooms in the 1600 series BEQs. There is a total requirement for 304 BEQ rooms in the new permanent party BEQ facilities; this project will provide 102 rooms.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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(Current Mission) REQUIREMENT: Adequate housing is required for Marines stationed at Marine Corps Base (MCB) Hawaii including additional rooms to support new aviation squadrons per the Marine Aviation Plan. Per the plan, Marine Air Group (MAG) 24 will be transitioning to include a new Helicopter Marine Light Attack squadron, a Marine Wing Support squadron, two MV-22 squadrons and a Marine Unmanned Aerial Vehicle squadron. Provides air conditioning at BOQ Building #503 to improve the quality of life of residents. Provides adequate laundry facilities for the residents in the 1600 series BEQs. CURRENT SITUATION: There is not enough BEQ capacity to accommodate the projected personnel loading anticipated with the increase of new squadrons and a Marine Wing Support squadron scheduled to arrive in FY 2015. The existing BEQ facilities were built in 1941 as open bay quarters and were renovated to 3-man room quarters in the 1970's. The configuration of the facilities does not meet the current standards for barracks. Additionally, due to years of aging and degradation, these BEQ facilities need continuous repair and maintenance in order to maintain minimum habitability. Five Palms, BOQ Building #503 is currently not air conditioned and residents must open the windows to receive adequate ventilation. However, when aircraft land and take off from the runway, there is excessively high noise. The current situation with runway noise negatively impacts the quality of life for the Five Palms residents and personnel that work in the building and personnel that utilize the Five Palms conference room. The 1600 series barracks (Buildings #1604, #1632, #1633, #1634, #1635, #1654, #1655 and #1656) currently have undersized laundry facilities that do not meet the standards for the Marine Corps. The washer and dryer deficit for the 1600 series BEQ's is 107 washers and 277 dryers. Lack of adequately sized laundry facilities result in longer wait times and a degradation in the quality of life for the Marines who reside in these barracks. IMPACT IF NOT PROVIDED: MCB Hawaii will not be able to adequately house the additional bachelor enlisted personnel aboard the base. The increased personnel loading will require the use of the existing, deteriorated BEQ facilities and will result in overcrowding and room assignments that are not in compliance with the USMC housing assignment standard. This situation will have a negative impact on morale, retention and readiness. Billeting within close				

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5. Program Element 0202176M	6. Category Code 72124	7. Project Number P910	8. Project Cost (\$000) 68,092																																											
proximity to the base is limited which will result in limited access to training and community facilities aboard base which negatively impacts quality of life for junior enlisted Marines. Off-base billeting will also result in lack of unit cohesion and limited span of control over those not billeted on base. The cost to maintain facilities beyond their economic life will continue to increase as the buildings further deteriorate. Five Palms, Building #503 will continue to operate without air conditioning. Airfield noise will continue to negatively impact the quality of life for the occupants that live and work in the building. The noise will get worse with the arrival of the new aviation squadrons. The 1600 series BEQ's will continue to operate without adequate laundry facilities. This results in longer wait times to do laundry, negatively impacting the quality of life for the Marines.																																														
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>03/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>05/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>5%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>Yes</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$1,718</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$1,145</td> </tr> <tr> <td>(C) Total</td> <td>\$2,863</td> </tr> <tr> <td>(D) Contract</td> <td>\$286</td> </tr> <tr> <td>(E) In-house</td> <td>\$2,577</td> </tr> </table> 4. Contract award: 02/2016 5. Construction start: 06/2016 6. Construction complete: 06/2018 B. Equipment associated with this project which will be provided from other appropriations: <table> <tr> <td><u>Equipment</u></td> <td><u>Procuring</u></td> <td><u>FY Approp</u></td> <td></td> </tr> <tr> <td><u>Nomenclature</u></td> <td><u>Approp</u></td> <td><u>or Requested</u></td> <td><u>Cost (\$000)</u></td> </tr> <tr> <td>Furnishings</td> <td>O&MMC</td> <td>2017</td> <td>2,230</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	03/2013	(B) Date 35% Design or Parametric Cost Estimate complete	05/2014	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	5%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	Yes	(B) Where design was previously used	N/A	(A) Production of plans and specifications	\$1,718	(B) All other design costs	\$1,145	(C) Total	\$2,863	(D) Contract	\$286	(E) In-house	\$2,577	<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Furnishings	O&MMC	2017	2,230
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3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEEOHE BAY, HAWAII			4. Project Title Bachelor Enlisted Quarters	
5. Program Element 0202176M	6. Category Code 72124	7. Project Number P910	8. Project Cost (\$000) 68,092	
C. FY 2014 R&M Conducted (\$000): D. FY 2015 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: (808)257-9935				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
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 Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	810	1360	8345	0	0	0	81	27	0	10623
	863	1528	8345	0	0	0	81	27	0	10844
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(6424 Acres)										
B. INVENTORY AS OF 30 SEP 2014										2,953,453
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										40,935
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										43,320
F. PLANNED IN NEXT THREE PROGRAM YEARS										90,590
G. REMAINING DEFICIENCY										769,410
H. GRAND TOTAL										3,897,708
8. Projects Requested In This Program										
<u>Cat</u>		<u>Design Status</u>				<u>Scope</u>		<u>Cost</u>		
<u>Code</u>	<u>Project Title</u>	<u>Start</u>		<u>Complete</u>				<u>(\$000)</u>		
72111	Unaccompanied Housing	03/2014		05/2016		11060 m2		40,935		
TOTAL									40,935	
9. Future Projects:										
A. Included In The Following Program:										
31105 UCLASS RDT&E Hangar									43,320	
TOTAL									43,320	
B. Major Planned Next Three Years:										
31105 Rotary Wing T&E Hangar									90,590	
TOTAL									90,590	
C. R&M Unfunded Requirement (\$000):										604,387
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 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Unaccompanied Housing	
5. Program Element 0203276N	6. Category Code 72111	7. Project Number P975	8. Project Cost (\$000) 40,935	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UNACCOMPANIED HOUSING (119,049SF)	m2	11,060		19,450
UNACCOMPANIED HOUSING CC72111 (108,823SF)	m2	10,110	1,667.84	(16,860)
ALERT FACILITY CC14347 (10,226SF)	m2	950	1,858.92	(1,770)
BUILT-IN EQUIPMENT	LS			(470)
SPECIAL COSTS	LS			(350)
SUPPORTING FACILITIES				16,160
SITE PREPARATIONS	LS			(2,540)
SPECIAL FOUNDATION FEATURES	LS			(780)
PAVING AND SITE IMPROVEMENTS	LS			(2,480)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
ELECTRICAL UTILITIES	LS			(2,310)
MECHANICAL UTILITIES	LS			(2,860)
DEMOLITION	LS			(5,120)
SUBTOTAL				35,610
CONTINGENCY (5%)				1,780
TOTAL CONTRACT COST				37,390
SIOH (5.7%)				2,130
SUBTOTAL				39,520
DESIGN/BUILD - DESIGN COST				1,420
TOTAL REQUEST ROUNDED				40,940
TOTAL REQUEST				40,935
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,937)
10. Description of Proposed Construction:				
Constructs a multi-story unaccompanied housing (UH) facility to provide 89 two-bedroom market-style units for housing E1-E4 permanent party personnel. The facility will provide market style apartment modules that will include sleeping and living areas, a kitchen, bathrooms, closets and in-module laundry facilities. The facility also will provide administrative offices, building support areas and common use spaces, such as a multi-purpose room and vending areas.				

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5. Program Element 0203276N	6. Category Code 72111	7. Project Number P975	8. Project Cost (\$000) 40,935	
The UH facility will have a structural-steel frame with reinforced concrete masonry and a slab-on-grade on pile foundation system. The facility will be constructed of concrete block walls faced with brick veneer and will have a sloped standing seam metal roof. Project also constructs an alert facility (AF) adjacent to Building #2199 to support administrative and training spaces for aircraft squadron personnel currently located in Building #468 which will be demolished. The AF will be constructed of bearing reinforced concrete block walls with exterior finish insulation system, concrete slab on grade, spread footing foundation, and low-slope built-up roof. 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. Built-in equipment includes one combination passenger/freight elevator and generator. Special costs include post construction contract award services (PCAS). Operations and maintenance support information (OMSI) is included in this project. 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. Site preparation includes site clearing, excavation, earthwork, preparation for construction, and retaining walls. Additionally, site preparation will demolish utility lines, pavement, a basketball court, picnic gazebo and abatement of asbestos pipe. Paving and site improvements include grading, parking for approximately 220 spaces, access roads, curb and gutter, sidewalks, reinforced concrete paving, fire truck access, permeable pavers, landscaping, signs, and storm-water drainage. In addition, site improvements include dumpster with compactor and enclosure, native drought resistant plants, picnic area with gazebo, basketball courts and mailbox gazebos.				

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5. Program Element 0203276N	6. Category Code 72111	7. Project Number P975	8. Project Cost (\$000) 40,935	
Electrical utilities include primary and secondary distribution systems, utility connection, exterior lighting, transformer, and telecommunications cable and infrastructure. Mechanical utilities include heating, ventilation, and air conditioning connections, water lines, sanitary collection system, fire protection systems including supply lines and fire pump. This project will demolish seven existing UH facilities because they are located in the Accident Potential Zone 1: Buildings #1451 (2,574 m2), #1452 (2,569 m2), #1453 (2,569 m2), #1454 (2,587 m2), #1455 (2,024 m2), #468 (2,230 m2) and #492 (1,769 m2); and other associated sheds and out-buildings (totaling 68.39 m2). 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. Intended Grade mix: E-1 to E-3 for a total of 172 persons and 92 E4 persons Total: 264 Persons Maximum utilization: E-1 to E-4 for a total of 356 persons				
11. Requirement: <u>11,060 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Provides housing for unaccompanied personnel. Project also constructs AF space for squadron personnel. (Current Mission) REQUIREMENT: Sufficient and adequate housing is required for unaccompanied Navy personnel (E1-E4) assigned to Naval Air Station Patuxent River to support and retain trained military personnel. This project improves the quality of life of sailors by providing more living space, improved functionality and upgrades to life safety and physical security. Aircraft squadron VQ-4 requires AF space in support of their mission to provide operational, administrative, maintenance, security and billeting space for seven Joint Chiefs of Staff directed alert aircraft and 210 aircrew on a rotating basis.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																		
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Unaccompanied Housing																			
5. Program Element 0203276N	6. Category Code 72111	7. Project Number P975	8. Project Cost (\$000) 40,935																			
CURRENT SITUATION: Typical existing UH facilities were constructed in 1970. Additionally, one was constructed in 1961 and one in 1946. Rooms lack storage space, have no kitchenettes and, in general, do not meet current design standards. Each module contains six individual rooms and one communal head bathroom facility with four showers. Individual rooms are assigned to permanent party E1-E4. These facilities also lack sprinkler systems, code compliant fire detection systems and fire ratings for internal corridor egress. In addition, constant and costly repairs are required for the existing heating, ventilation, and air conditioning system, plumbing system, leaks in the roof and mold mitigation. The current bachelor enlisted quarters are all located within the airfield Accident Potential Zone 1 (APZ 1). Lack of space and other amenities and safety factors provide inadequate, outdated living quarters for assigned personnel. AF space for the VQ-4 Squadron is located in Building #2199 and Building #468. Building #468 houses security personnel and all of the training functions for the VQ-4 squadron. It is also the back-up armory for the squadron. Building #2199 operates as a fully-operational AF and squadron armory but is undersized to accommodate the functions being housed in Building #468. Therefore, this project will construct a new facility to house those functions currently in Building #468. Building #468 currently is located in an APZ and will be demolished by this project.																						
IMPACT IF NOT PROVIDED: Navy personnel will continue to be subjected to inadequate and unsafe living conditions because the existing living quarters do not meet space, privacy and safety criteria.																						
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>03/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>05/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>5%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table border="0"> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	03/2014	(B) Date 35% Design or Parametric Cost Estimate complete	05/2014	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	5%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No
(A) Date design or Parametric Cost Estimate started	03/2014																					
(B) Date 35% Design or Parametric Cost Estimate complete	05/2014																					
(C) Date design completed	05/2016																					
(D) Percent completed as of September 2014	5%																					
(E) Percent completed as of January 2015	5%																					
(F) Type of design contract	Design Build																					
(G) Parametric Estimate used to develop cost	No																					
(H) Energy Study/Life Cycle Analysis performed	No																					
(A) Standard or Definitive Design	No																					

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Unaccompanied Housing	
5. Program Element 0203276N	6. Category Code 72111	7. Project Number P975	8. Project Cost (\$000) 40,935	
(B) Where design was previously used				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$900
(B) All other design costs				\$300
(C) Total				\$1,200
(D) Contract				\$300
(E) In-house				\$900
4. Contract award:				01/2016
5. Construction start:				05/2016
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>
Access Control System-UH Facility		OMN	2017	2,115
Access Control System-VQ4 Facility		OPN	2017	135
Communication & Data Equipment-UH Facility		OMN	2017	130
Communication & Data Equipment-VQ4 Facility		OMN	2017	10
Module Appliances & Furniture-UH Facility		OMN	2017	1,339
Office Furniture and Furnishings-UH Facility		OMN	2017	74
Office Furniture-VQ4 Facility		OMN	2017	135
C. FY 2014 R&M Conducted (\$000):				
D. FY 2015 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: Program Development Lead		Phone No: 301-757-4833		

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N47608 NAVAL AIR STATION PAX RIVER PATUXENT RIVER, MARYLAND			4. Project Title Unaccompanied Housing	
5. Program Element 0203276N	6. Category Code 72111	7. Project Number P975	8. Project Cost (\$000) 40,935	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM									2. Date 02 FEB 2015
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: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	4125	43448	4040	1835	38471	177	0	0	61454	153550
	3951	39342	4045	1634	35293	132	0	0	61454	145851
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(129799 Acres)										
B. INVENTORY AS OF 30 SEP 2014										9,456,882
C. AUTHORIZATION NOT YET IN INVENTORY										1,475,353
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										58,879
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										6,177
F. PLANNED IN NEXT THREE PROGRAM YEARS										51,130
G. REMAINING DEFICIENCY										2,016,031
H. GRAND TOTAL										13,060,452
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>					
61072	2nd Radio BN Complex, Phase 1	02/2013	09/2015	7203 m2	50,557					
17135	Simulator Integration/Range Control Facility	02/2013	05/2016	11788 m2	54,849					
					TOTAL	105,406				
9. Future Projects:										
A. Included In The Following Program:										
17310 New Pit Houses, Stone Bay Range										6,177
										TOTAL 6,177
B. Major Planned Next Three Years:										
84110 Water Treatment Facility; Hadnot Point, Phase 1										51,130
										TOTAL 51,130
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 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Radio BN Complex, Phase 1	
5. Program Element 0216496M	6. Category Code 14365	7. Project Number P1280	8. Project Cost (\$000) 50,557	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
2ND RADIO BN COMPLEX, PHASE 1 (77,532SF)	m2	7,203		26,580
BATTALION COMPLEX CC14365 (77,532SF)	m2	7,203	2,948.62	(21,240)
INFORMATION SYSTEMS	LS			(750)
BUILT-IN EQUIPMENT	LS			(3,690)
SPECIAL COSTS	LS			(900)
SUPPORTING FACILITIES				18,970
SITE PREPARATIONS	LS			(3,260)
SPECIAL FOUNDATION FEATURES	LS			(1,870)
PAVING AND SITE IMPROVEMENTS	LS			(9,750)
ELECTRICAL UTILITIES	LS			(2,030)
MECHANICAL UTILITIES	LS			(1,810)
ENVIRONMENTAL MITIGATION	LS			(170)
DEMOLITION	LS			(80)
SUBTOTAL				45,550
CONTINGENCY (5%)				2,280
TOTAL CONTRACT COST				47,830
SIOH (5.7%)				2,730
SUBTOTAL				50,560
TOTAL REQUEST ROUNDED				50,560
TOTAL REQUEST				50,557
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4,089)
10. Description of Proposed Construction:				
The Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 provided authorization for this project. However, the Military Construction and Veterans Affairs, and Related Agencies Appropriations Act, 2015 appropriated \$0 for this project. Regarding this project, the FY 2016 request is for appropriations only. Constructs a low rise steel frame, reinforced concrete masonry unit 2nd Radio Bn Operations Complex with reinforced masonry walls, brick veneer, reinforced concrete floors and standing seam metal roofs. The Complex will include a Operations Control Center/Secure Compartmented Information				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Radio BN Complex, Phase 1	
5. Program Element 0216496M	6. Category Code 14365	7. Project Number P1280	8. Project Cost (\$000) 50,557	
Facility (SCIF), Battalion (BN) Company Headquarters, Battalion Aid Station, personnel support areas and administrative areas. The SCIF will be located adjacent to the II Intelligence BN SCIF and connected by a covered pedestrian walkway. The project will be designed to accommodate additional facilities for storage, vehicle, boat and parachute maintenance, a multi-story parking facility, and electric/communications shop. Information systems will include basic telephone, unclassified but sensitive internet protocol router network (NIPRNET), secret internet protocol router networks (SIPRNET), SCIF classified communication systems, computer networks, fiber optic, security and fire alarm systems and infrastructure. 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. Built-in equipment includes access control system rough-in, under floor fire detection system, vault doors, passenger/freight combination elevator, emergency generator, fire pump with back-up generator, raised computer access floor, redundant air handling and chilled water systems for SCIF, intercom and lighting control system for SCIF, secure ground/reference system, tempest shielding, uninterruptable power supply system, and antenna support mast. Special Costs include Post Construction Contract Award Services (PCAS), Geospatial Mapping/ Survey and surveillance during construction of Secure Compartmented Intelligence Facility (SCIF) in accordance with Intelligence Community guidance. Construction monitoring is required to observe the construction to ensure there are no abnormalities that could affect and compromise the security of the SCIF. Operations and Maintenance Support Information (OMSI) is included in this project. 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. Site preparation includes site clearing and grubbing, grading, borrow/fill				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Radio BN Complex, Phase 1	
5. Program Element 0216496M	6. Category Code 14365	7. Project Number P1280	8. Project Cost (\$000) 50,557	
material, topsoil, excavation, preparation for construction and erosion control measures. Special foundation features include pile supported foundation system and heavy floor slab construction. Paving and site improvements include surface parking facilities for approximately 500 personally owned vehicles and 80 tactical vehicles, access roads, roadways, curbs, sidewalks, trail with pedestrian bridges crossing wetlands to connect with other existing facilities, landscaping, chain link and decorative fencing, roadway signs, a dumpster enclosure, subsurface sand filter system, pervious pavements, and storm water retention pond, piping and structures. This project will also provide roadway improvements to Birch Street. Electrical systems include primary and secondary distribution systems, interior and site lighting, transformers, and telecommunications infrastructure. Mechanical systems include heating, vapor intrusion mitigation system, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, vapor intrusion mitigation system, fire protection systems and supply lines. Environmental mitigation includes wetland mitigation. Demolition includes demolition and site restoration of the following facilities: FC364A PR# 214701 Admin Trailer (228 m2), FC364B PR# 214702 Admin Trailer (228 m2), FC364C PR# 214703 Admin Trailer (228 m2), FC364D PR# 214704 Admin Trailer (228 m2), FC364E PR# 214706 Admin Trailer (228 m2), FC364F PR# 214707 Classroom Trailer (114 m2). Facilities will be demolished upon completion of the project as functions they currently support will be relocated. 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 costs solutions satisfying the facility requirements with the goal of maximizing energy efficiency.				
11. Requirement: <u>7,203 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Radio BN Complex, Phase 1	
5. Program Element 0216496M	6. Category Code 14365	7. Project Number P1280	8. Project Cost (\$000) 50,557	
Construct operational facilities to include a Battalion/Company Headquarters and Operations Center/SCIF for 2nd Radio Battalion. This project will consolidate personnel and operations to one location adjacent to 2nd Intelligence Battalion, where the two units will work integrally with each other, to support II Marine Expeditionary Force (MEF) operations. This project supports the base master plan to consolidate II MEF Headquarters Group (II MHG) units into the Wallace Creek North area. (Current Mission) REQUIREMENT: Provides adequate facilities to the 2nd Radio Bn in order to consolidate operations and locate adjacent to 2nd Intelligence Bn for intelligence fusion capability improvement. This project also provides NSA-approved classroom space, distance-learning capabilities, and a fully-functioning watch floor to teach and train Marines critical skills for tactical signal intelligence (SIGINT), ground-based electronic attack (EA), communication security (SI) and communication support. CURRENT SITUATION: 2nd Radio Battalion is currently operating out of facilities that are inadequate for their day to day mission. Their assets are scattered throughout the Hadnot Point and French Creek areas of Camp Lejeune. They occupy permanent and temporary facilities such as trailers and pre-engineered buildings to support personnel and equipment. The majority of the temporary facilities are co-located with existing permanent facilities in an effort to have minimal operational impact. The Intelligence Operations Center (IOC) and the Operations Control and Analysis Center (OCAC) are currently at separate locations making it difficult to integrate all-Source and SIGINT intelligence to greatly enhance the MEF intelligence output. This becomes critical as traditional intelligence requirements continue to converge with cyber requirements. Radio Bn's Virtual SIGINT Extension (VSE) comprises the bulk of support to the II MEF Intelligence Center (MIC), and is today providing reach back support to Marine Expeditionary Units (MEUs), MEF operations, and other COCOMs. Additionally, Radio Bn is in support of ongoing NSA/CYBERCOM activities. 2nd Radio Bn does not have adequate facilities to conduct both advanced SIGINT and cyber missions training. The current Radio Bn SCIF is inadequate to support ongoing operations and provide a primary support to CYBERCOM. IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Radio BN Complex, Phase 1	
5. Program Element 0216496M	6. Category Code 14365	7. Project Number P1280	8. Project Cost (\$000) 50,557	
2nd Radio Bn will continue to operate in facilities scattered throughout the Hadnot Point and French Creek areas. Failure to provide these essential facilities and supporting infrastructure will result in degradation of unit cohesion and retention, along with the inability to maintain equipment, perform operations, and train personnel ultimately compromising combat readiness.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				02/2013
(B) Date 35% Design or Parametric Cost Estimate complete				01/2015
(C) Date design completed				09/2015
(D) Percent completed as of September 2014				10%
(E) Percent completed as of January 2015				35%
(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				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$1,200
(B) All other design costs				\$600
(C) Total				\$1,800
(D) Contract				\$1,450
(E) In-house				\$350
4. Contract award:				03/2016
5. Construction start:				05/2016
6. Construction complete:				03/2018
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>	
CCTV (SCIF REQ)	PMC	2017	200	
Collateral Equipment - Furnishings	O&MMC	2017	2,023	
Electronic Access Control System	PMC	2017	250	
Intrusion Detection System & Mass Notification TRX	PMC	2017	325	
NEXGEN	O&MMC	2017	316	
SPAWAR Design and Construction Support	O&MMC	2016	175	
VTC/Audio-Visual Support Equipment	PMC	2017	800	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title 2nd Radio BN Complex, Phase 1	
5. Program Element 0216496M	6. Category Code 14365	7. Project Number P1280	8. Project Cost (\$000) 50,557	
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. Mission requirements, operational considerations, and location are incompatible with use by other components. Activity POC: Project Development Lead Phone No: 910-451-9455				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Simulator Integration/Range Control Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P1346	8. Project Cost (\$000) 54,849	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SIMULATOR INTEGRATION/RANGE CONTROL FACILITY (126,885SF)	m2	11,788		30,500
SIMULATOR /RANGE OPS FACILITY CC17135 (108,231SF)	m2	10,055	2,475.92	(24,900)
COVERED TRAINING AREA CC17330 (5,231SF)	m2	486	598.93	(290)
BOAT SHOP AND WAREHOUSE CC21358 (9,914SF)	m2	921	2,660	(2,450)
RENOVATE STORAGE BLDG 26 CC17177 (3,509SF)	m2	326	587	(190)
BUILT-IN EQUIPMENT	LS			(1,190)
SPECIAL COSTS	LS			(1,480)
SUPPORTING FACILITIES				17,200
SITE PREPARATIONS	LS			(1,540)
SPECIAL FOUNDATION FEATURES	LS			(4,420)
PAVING AND SITE IMPROVEMENTS	LS			(5,530)
ELECTRICAL UTILITIES	LS			(2,540)
MECHANICAL UTILITIES	LS			(2,360)
ENVIRONMENTAL MITIGATION	LS			(480)
DEMOLITION	LS			(330)
SUBTOTAL				47,700
CONTINGENCY (5%)				2,390
TOTAL CONTRACT COST				50,090
SIOH (5.7%)				2,860
SUBTOTAL				52,950
DESIGN/BUILD - DESIGN COST				1,910
TOTAL REQUEST ROUNDED				54,860
TOTAL REQUEST				54,849
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(9,839)
10. Description of Proposed Construction: Constructs a Simulator Integration Center/Range Operations Complex. Construction will be of reinforced concrete masonry unit on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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5. Program Element 0216496M	6. Category Code 17135	7. Project Number P1346	8. Project Cost (\$000) 54,849	
roofs. The complex will include Virtual Training Systems, administrative spaces, simulator space, classrooms, storage space, conference/ training rooms, telecommunication rooms and range control operations center. Constructs a single-story Boat Shop and Warehouse of reinforced concrete masonry unit building on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors and standing seam metal roof. Constructs a covered training area of concrete slab on grade with structural steel framing and standing seam metal roofs. The covered training area facility will provide covered shelter for use during outdoor training exercises to support equipment training for the Tactical Engagement simulator systems. This project renovates Building #26 to include replacement of all mechanical, plumbing, electrical, communication and fire protection throughout the facility as well as replacement of doors and frames, windows and exterior surface preparation and painting. Information systems include basic telephone, computer network, fiber optic, cable television security and fire alarm systems and infrastructure. 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. Built-in equipment includes large roll up doors, emergency generators, operable partitions, raised computer flooring, under floor fire detection system, uninterruptable power supply, and fire pump with generator backup. Special costs include Post Construction Award Services (PCAS) and Geospatial Survey and Mapping. Operations and Maintenance Support Information (OMSI) is included in this project. 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.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Simulator Integration/Range Control Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P1346	8. Project Cost (\$000) 54,849	
Pavement facilities include pad for back-up generators, pad for communication tower, and pads for mobile simulator trailers, and for dumpster pad and enclosure. Site preparation includes site clearing and grubbing, grading, borrow/fill material, topsoil, excavation, removing contaminated soil, preparation for construction and erosion control measures. Special foundation features include a pile supported foundation. Paving and site improvements include grading, parking for approximately 340 personal vehicles and 35 tactical vehicles, access roads, roadways, improvements to intersection, utility relocation, sidewalks, storm water management, storm water system, landscaping, berms and ditches, bollards, perimeter fencing, dumpster enclosures and building and roadway signage. Electrical utilities include primary and secondary electrical distribution systems, lighting, outside area lighting, transformers, and telecommunications infrastructure, and communications tower supported on spread footing foundation. Mechanical utilities include water lines, plumbing and plumbing fixtures, sanitary sewer lines, vapor intrusion mitigation system, natural gas distribution, compressed air system, fire protection systems and supply lines. Environmental mitigation will include wetland mitigation and Unexploded Ordnance mitigation. Building #529(347 m2), Bldg #134(347 m2) and Bldg(347 m2) will be demolished upon completion of the project as the functions they currently support will be relocated. 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>11,788 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Simulator Integration/Range Control Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P1346	8. Project Cost (\$000) 54,849	
Construct a consolidated Simulator Integration Center to support simulators and other training systems fielded at Camp Lejeune. (Current Mission) REQUIREMENT: Provide permanent facilities to house Virtual Training Systems and their associated practical applications, instructional spaces and administrative spaces. This project is required to bring together the previously disparate fielding concept into a one-stop-shop for the training systems inclusive of Combat Convoy Simulator, Supporting Arms Virtual Trainer (SAVT), High Mobility Multipurpose Wheeled Vehicle Egress Assistance Trainer, Operator Driver Simulator, Indoor Simulated Marksmanship Trainer, Deployable Virtual Trainer Environment, Mine Resistant Ambush Protected Vehicle Egress Trainer and Tactical Engagement Simulation Systems. These virtual systems provide realistic visual and aural/audio cues to Marines, Sailors, crew, section and platoons for the purpose of familiarization, function, operation, and sustainment training of their warfighting skills. Virtual systems include motor transport vehicles (operator, maintenance and egress), combat vehicles (gunnery and tactical), convoy operations, and weapons marksmanship and supporting arms training. Co-location of virtual training systems is required to increase efficiencies in student throughput, instructor time-management, contract oversight and review and installation operation and sustainment of supporting facilities. CURRENT SITUATION: Simulators were incrementally procured and delivered between 2007 and 2011. Virtual training systems are located throughout the base due to the lack of a single site capable of supporting the individual throughput requirements. Due to lack of available permanent facilities to house these virtual systems upon their arrival and the lack of necessary classrooms, they are housed in temporary relocatable facilities adjacent to live fire training areas. Many of the facilities housing these systems are substandard and/or scheduled for demolition and do not have the basic services of running water or plumbing. Students awaiting training are required to sit out in the elements when not actively engaged with the trainers and temporary bathroom facilities are the only head facilities available. Additionally, some of the simulator sites are located within the Safety Danger Zone of a range impact area and all activities at the site must cease and personnel must vacate the site whenever live-fire shoots are scheduled. IMPACT IF NOT PROVIDED: Failure to provide adequate and essential training facilities will adversely impact the training programs and result in less combat ready Marines. With the introduction of new training simulators at Camp Lejeune,				

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12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 02/2013 (B) Date 35% Design or Parametric Cost Estimate complete 05/2014 (C) Date design completed 05/2016 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 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 N/A 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$750 (B) All other design costs \$200 (C) Total \$950 (D) Contract \$750 (E) In-house \$200 4. Contract award: 03/2016 5. Construction start: 06/2016 6. Construction complete: 03/2018 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th style="text-align: right;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>AV Equipment</td> <td style="text-align: center;">PMC</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">548</td> </tr> <tr> <td>Electronic Access Control System</td> <td style="text-align: center;">PMC</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">50</td> </tr> <tr> <td>Furnishings, Fixtures and Equipment</td> <td style="text-align: center;">O&MMC</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">4,931</td> </tr> <tr> <td>Intrusion Detection System, Mass</td> <td style="text-align: center;">PMC</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">75</td> </tr> <tr> <td>Notification</td> <td></td> <td></td> <td></td> </tr> <tr> <td>NEXGEN</td> <td style="text-align: center;">PMC</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">186</td> </tr> <tr> <td>PMTRASYS - Relocate Simulators</td> <td style="text-align: center;">PMC</td> <td style="text-align: center;">2018</td> <td style="text-align: right;">4,000</td> </tr> <tr> <td>TECOM - TRX Switch</td> <td style="text-align: center;">PMC</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">50</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>		AV Equipment	PMC	2017	548	Electronic Access Control System	PMC	2017	50	Furnishings, Fixtures and Equipment	O&MMC	2017	4,931	Intrusion Detection System, Mass	PMC	2017	75	Notification				NEXGEN	PMC	2017	186	PMTRASYS - Relocate Simulators	PMC	2018	4,000	TECOM - TRX Switch	PMC	2017	50
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JOINT USE CERTIFICATION: The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project																																												

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3. Installation(SA)& Location/UIC: M67001(DA) MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA			4. Project Title Simulator Integration/Range Control Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P1346	8. Project Cost (\$000) 54,849	
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: 910-451-1833				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
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 .98		
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT		TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
A. As Of 09-30-14		932	7788	1314	226	755	0	0	0	58731
B. End FY 2019		828	7082	1313	144	687	0	0	0	58731
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(14273 Acres)										
B. INVENTORY AS OF 30 SEP 2014										2,474,746
C. AUTHORIZATION NOT YET IN INVENTORY										123,361
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										34,426
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										148,629
G. REMAINING DEFICIENCY										428,085
H. GRAND TOTAL										3,209,247
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	Unmanned Aircraft System Facilities					09/2014	05/2016	7216 m2	29,657	
17135	KC130J Enlisted Air Crew Trainer Facility					09/2014	09/2015	855 m2	4,769	
TOTAL									34,426	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
21451 MACS2 Operations & Maintenance Facility										9,925
21105 Aircraft Maintenance Hangar										59,627
87210 Airfield Security Improvements										19,687
21105 Aircraft Maintenance Hangars										59,390
TOTAL									148,629	
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(*):										0
B. Occupational Safety and Health(OSH)(#):										0

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3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title Unmanned Aircraft System Facilities	
5. Program Element 0202176M	6. Category Code 21105	7. Project Number P194	8. Project Cost (\$000) 29,657	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UNMANNED AIRCRAFT SYSTEM FACILITIES (77,672SF)	m2	7,216		16,220
WAREHOUSE FACILITIES CC44112 (26,576SF)	m2	2,469	1,686	(4,160)
MAINT HANGAR-0/H,01,02 CC21105 (46,845SF)	m2	4,352	2,261.13	(9,840)
MAINT HANGAR VMU-2 CC21107 (4,252SF) (RENOVATE)	m2	395	2,101	(830)
INFORMATION SYSTEMS	LS			(40)
BUILT-IN EQUIPMENT	LS			(710)
SPECIAL COSTS	LS			(560)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(80)
SUPPORTING FACILITIES				9,580
SPECIAL CONSTRUCTION FEATURES	LS			(110)
PAVEMENT FACILITIES	LS			(700)
SITE PREPARATIONS	LS			(1,950)
SPECIAL FOUNDATION FEATURES	LS			(2,010)
PAVING AND SITE IMPROVEMENTS	LS			(2,090)
ELECTRICAL UTILITIES	LS			(1,270)
MECHANICAL UTILITIES	LS			(1,440)
DEMOLITION	LS			(10)
SUBTOTAL				25,800
CONTINGENCY (5%)				1,290
TOTAL CONTRACT COST				27,090
SIOH (5.7%)				1,540
SUBTOTAL				28,630
DESIGN/BUILD - DESIGN COST				1,030
TOTAL REQUEST ROUNDED				29,660
TOTAL REQUEST				29,657
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,825)
10. Description of Proposed Construction: The project constructs a maintenance hangar comprised of reinforced				

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concrete foundation, reinforced exterior walls and standing seam metal roofing over metal deck. The hangar will provide maintenance space, administrative space and additional supplementary space in support of the Unmanned Aircraft System (UAS). The project constructs a general storage and warehouse complex comprised of reinforced concrete foundation, reinforced concrete masonry walls with brick veneer and standing seam metal roofing. The complex will provide general storage, hazardous flammable storage and vehicle holding shed. General storage will serve as daily operation staging area for UAS operators and maintenance personnel during training exercises. Hazardous flammable storage provides space to store oil, batteries and other materials classified flammable. The vehicle holding shed provides a covered area for holding dead-lined equipment awaiting repairs. The project converts existing VMU-2 maintenance hangar into automotive organizational shop. Conversion includes installation of multiple roll-up doors, reinforced concrete masonry interior and exterior wall construction and standing seam metal roofs. Information systems include basic telephone, enhanced computer network for both SIPRNet and NIPRNet, fiber optic, cable television, security and fire alarm systems and infrastructure. This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations, physical security and progressive collapse mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes Aqueuos Film Forming Foam fire (AFFF) suppression system for the maintenance hangar, avian intrusion protection system, CATV, epoxy coated floor in hangar, warehouse shelving, hydraulic vehicle lift, lockers, roll up doors, vehicle exhaust system and fire booster pumps. Special Costs include Post Construction Contract Award Services (PCAS), Geospatial Mapping/ Survey and surveillance during construction of Secure Compartmented Intelligence Facility (SCIF) in accordance with Intelligence Community guidance. Construction monitoring is required to observe the construction to ensure there are no abnormalities that could affect and compromise the security of the SCIF.				

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Operations and Maintenance Support Information (OMSI) is included in this project. 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. Special construction features include sound attenuation features and Sensitive Compartmented Information Facility (SCIF). Pavement facilities include a mechanical yard and transformer pad. Site preparation includes site clearing, excavation, grading, preparation for construction and removal of contaminated soil. Special foundation features include pile foundations. Paving and site improvements include parking for approximately 80 vehicles, concrete pavement for motorcycle stalls, motor pool parking, wash racks, grease racks, access roads, pervious surfaces, curbs, sidewalks, landscaping with native drought resistant plants, signage, storm-water drainage, an underground water infiltration system and fencing. Electrical Utilities include electrical distribution, site lighting with light pollution reducing fixtures and design, transformers and telecommunications distribution including fiber optic cabling. Mechanical Utilities include water distribution, fire protection distribution, propane distribution, sanitary sewers with lift station, storm drainage, and oil/water separator. The project demolishes Building #3975 to clear the site for this project. 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>7,216 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				

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PROJECT: Constructs a general purpose maintenance hangar and a warehouse to maintain and store organic unit equipment associated with unmanned aircraft systems (UAS). Other facilities include general storage shed, vehicle holding shed and a flammable material storehouse. (New Mission) REQUIREMENT: Provide new hangar and warehouse space to support the existing UAS and personnel as well as the UAS and personnel associated with the fielding of the new RQ-21A unmanned aircraft system platform. CURRENT SITUATION: VMU-2 Squadron currently operates out of Building 4845 which is undersized in hangar and storage space. Proper maintenance cannot be performed due to overcrowding and valuable materials are stored outside exposed to weather resulting in materiel degradation. The existing facilities are not large enough to accommodate the new RQ-21A system. IMPACT IF NOT PROVIDED: The inadequate and undersized facilities are negatively impacting current operations. The fielding of the new RQ-21A platform will make the situation worse and will have a direct impact to a decrease in readiness. The gear associated with the RQ-21A platform and the UAS itself will not have space for storage which will result in items being stored outside exposed to the elements.																														
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>10%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$650</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$200</td> </tr> <tr> <td>(C) Total</td> <td>\$850</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	09/2014	(B) Date 35% Design or Parametric Cost Estimate complete	01/2015	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	10%	(E) Percent completed as of January 2015	35%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$650	(B) All other design costs	\$200	(C) Total	\$850
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(D) Contract \$700 (E) In-house \$150 4. Contract award: 02/2016 5. Construction start: 06/2016 6. Construction complete: 06/2018 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>O&MMC</td> <td>2016</td> <td>3,750</td> </tr> <tr> <td>Physical Security Equipment</td> <td>O&MMC</td> <td>2016</td> <td>75</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment	O&MMC	2016	3,750	Physical Security Equipment	O&MMC	2016	75
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Physical Security Equipment	O&MMC	2016	75																	
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: 252-466-4769																				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title KC130J Enlisted Air Crew Trainer Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P229	8. Project Cost (\$000) 4,769	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
KC130J ENLISTED AIR CREW TRAINER FACILITY (9,203SF)	m2	855		2,660
KC 130J EACTS FACILITY CC17135 (9,203SF)	m2	855	2,861	(2,450)
INFORMATION SYSTEMS	LS			(100)
BUILT-IN EQUIPMENT	LS			(40)
SPECIAL COSTS	LS			(70)
SUPPORTING FACILITIES				1,640
SITE PREPARATIONS	LS			(260)
SPECIAL FOUNDATION FEATURES	LS			(270)
PAVING AND SITE IMPROVEMENTS	LS			(410)
ELECTRICAL UTILITIES	LS			(330)
MECHANICAL UTILITIES	LS			(370)
SUBTOTAL				4,300
CONTINGENCY (5%)				220
TOTAL CONTRACT COST				4,520
SIOH (5.7%)				260
SUBTOTAL				4,780
TOTAL REQUEST ROUNDED				4,780
TOTAL REQUEST				4,769
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(550)
10. Description of Proposed Construction:				
Construct a high-bay facility to house Enlisted Aircrew Training System (EACTS) required for the KC-130J Crewmaster training program. Provide covered, all-weather training environment for the Fuselage Trainer (FuT), Cockpit Procedures Trainer (CPT) and Observer Training Aid (OTA). Provide roll-up high bay door, reinforced concrete slab, reinforced concrete masonry unit (CMU) with brick veneer exterior, and standing seam metal roof. Information systems will include telephone, Sensitive but Unclassified (NIRPNET) IP data, Secret Internet Protocol Router Network (SIPR), fiber optic, cable TV, security and fire alarm systems and infrastructure. This project will provide Anti-Terrorism/Force Protection (ATFP) features				

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3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title KC130J Enlisted Air Crew Trainer Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P229	8. Project Cost (\$000) 4,769	
and comply with ATFP regulations, physical security in accordance with the DoD Minimum Anti-Terrorism Standards for Buildings. Special costs include Post Construction Contract Award Services (PCAS), which may include geospatial surveys and mapping. Built-in equipment includes raised flooring and fire pump. Operations and Maintenance Support Information (OMSI) is included in this project. 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. Special features include pile foundations. Site preparation includes removal of paving & slabs, utilities, fencing, and contaminated soil. Paving and site improvements includes an access road, parking for approximately 10 vehicles, storm water drainage, and perimeter security fencing. Electrical utilities include electrical distribution, area lighting, security alarm, transformer, and telecommunication distribution. Mechanical utilities include water distribution, heat distribution, vehicle exhaust system, fire protection lines, and sanitary sewer/storm system. 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>857 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Construct a facility to house the KC-130J Enlisted Aircrew Training System (EACTS).				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																														
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title KC130J Enlisted Air Crew Trainer Facility																															
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P229	8. Project Cost (\$000) 4,769																															
(New Mission) REQUIREMENT: Provides adequate facility to house the KC-130J EACTS training equipment to accommodate the new training program for the KC-130J Enlisted Air Crew (EAC). This complex will provide capability for consolidated mission operations training. CURRENT SITUATION: The KC-130J Aircrew Training Unit is scheduled to receive the new KC-130J EACTS in FY 2017 to include the large Fuselage Trainer (FuT). The Marine Aviation Plan calls for the equipment training suite (KC-130J EACTS) to be procured, delivered and operational at locations with KC-130J Weapons Systems Trainers (WST) to include MCAS Cherry Point. The plan calls for MCAS Cherry Point to be operational by 3rd quarter FY 2017. There are no buildings available to re-purpose in the vicinity of the current KC-130J Weapons System Trainer (WST), Bldg 4305, and MCAS Cherry Point will require a new facility to bed down this new mission. IMPACT IF NOT PROVIDED: MCAS Cherry Point will be unable to accommodate the KC-130J Crew master training and the newly procured KC-130J EACTS will not be utilized. The Marine Corps will continue to operate in an inefficient manner that will significantly impact mission readiness negatively.																																		
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>10%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$500</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$100</td> </tr> <tr> <td>(C) Total</td> <td>\$600</td> </tr> <tr> <td>(D) Contract</td> <td>\$450</td> </tr> <tr> <td>(E) In-house</td> <td>\$150</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	09/2014	(B) Date 35% Design or Parametric Cost Estimate complete	01/2015	(C) Date design completed	09/2015	(D) Percent completed as of September 2014	10%	(E) Percent completed as of January 2015	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	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$500	(B) All other design costs	\$100	(C) Total	\$600	(D) Contract	\$450	(E) In-house	\$150
(A) Date design or Parametric Cost Estimate started	09/2014																																	
(B) Date 35% Design or Parametric Cost Estimate complete	01/2015																																	
(C) Date design completed	09/2015																																	
(D) Percent completed as of September 2014	10%																																	
(E) Percent completed as of January 2015	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																																	
(A) Standard or Definitive Design	No																																	
(B) Where design was previously used																																		
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(E) In-house	\$150																																	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015												
3. Installation(SA)& Location/UIC: M00146 MCAS CHERRY POINT NC CHERRY POINT MCAS, NORTH CAROLINA			4. Project Title KC130J Enlisted Air Crew Trainer Facility													
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P229	8. Project Cost (\$000) 4,769													
4. Contract award: 03/2016 5. Construction start: 03/2016 6. Construction complete: 04/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u> <u>Nomenclature</u></th> <th><u>Procuring</u> <u>Approp</u></th> <th><u>FY Approp</u> <u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>O&MMC</td> <td>2017</td> <td>500</td> </tr> <tr> <td>Physical Security Equipment</td> <td>O&MMC</td> <td>2017</td> <td>50</td> </tr> </tbody> </table>					<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment	O&MMC	2017	500	Physical Security Equipment	O&MMC	2017	50
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>													
Collateral Equipment	O&MMC	2017	500													
Physical Security Equipment	O&MMC	2017	50													
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: 252-466-4764																

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015			
3. Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE NEW RIVER, NORTH CAROLINA				4. Command Commandant of the Marine Corps		5. Area Const Cost Index .95				
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	4125	43448	4040	1835	38471	177	0	0	61454	153550
	3951	39342	4045	1634	35293	132	0	0	61454	145851
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(2773 Acres)										
B. INVENTORY AS OF 30 SEP 2014 1,376,992										
C. AUTHORIZATION NOT YET IN INVENTORY 1,475,353										
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 8,230										
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
F. PLANNED IN NEXT THREE PROGRAM YEARS 0										
G. REMAINING DEFICIENCY 100,804										
H. GRAND TOTAL 2,961,379										
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>			
13372	Radar Air Traffic Control	09/2014	09/2015		611 m2	4,918				
	Facility Addition									
17135	Operational Trainer Facility	09/2014	09/2015		253 m2	3,312				
						TOTAL	8,230			
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000): 203,478										
10. Mission or Major Functions:										
Marine Corps Air Station New River supports and enhances the combat readiness of 2nd Marine Aircraft 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 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE NEW RIVER, NORTH CAROLINA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index .95

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Radar Air Traffic Control Facility Addition	
5. Program Element 0216496M	6. Category Code 13372	7. Project Number P686	8. Project Cost (\$000) 4,918	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RADAR AIR TRAFFIC CONTROL FACILITY ADDITION (6,878SF)	m2	639		2,570
ATC ADDITION CC13372 (6,577SF)	m2	611	3,683	(2,250)
RENOVATE EXISTING TOWER	m2	28	1,200	(30)
SPECIAL COSTS	LS			(260)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				1,860
SITE PREPARATIONS	LS			(460)
SPECIAL FOUNDATION FEATURES	LS			(190)
PAVING AND SITE IMPROVEMENTS	LS			(500)
ELECTRICAL UTILITIES	LS			(440)
MECHANICAL UTILITIES	LS			(270)
SUBTOTAL				4,430
CONTINGENCY (5%)				220
TOTAL CONTRACT COST				4,650
SIOH (5.7%)				270
SUBTOTAL				4,920
TOTAL REQUEST ROUNDED				4,920
TOTAL REQUEST				4,918
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(812)
10. Description of Proposed Construction:				
Construct a low-rise steel frame air traffic control building addition to include concrete slab with augured pile deep foundation, standing seam metal roof, gutters, and brick veneer exterior. The project will provide personnel support spaces, simulator space, office space, supply room, storage, training rooms and briefing rooms.				
Renovate space in the existing tower to provide for additional administrative space for maintenance personnel.				
Special costs include temporary facilities for administrative personnel displaced during construction.				
Information systems include basic telephone, computer network, fiber optic,				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Radar Air Traffic Control Facility Addition	
5. Program Element 0216496M	6. Category Code 13372	7. Project Number P686	8. Project Cost (\$000) 4,918	
cable television security and fire alarm systems and infrastructure. 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. Operations and Maintenance Support Information (OMSI) is included in this project. 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. Pavement facilities include pad for back-up generator. Site preparation includes site clearing, excavation and preparation for construction. Special foundation features include augured pile deep foundation. Paving and site improvements include grading, parking for approximately 40 vehicles, access roads, curbs, sidewalks, landscaping, fencing, signs and storm-water drainage. Electrical utilities include primary and secondary distribution systems, lighting, relocation of an existing emergency generator, transformers, and telecommunications infrastructure. Mechanical utilities include water lines, plumbing and plumbing fixtures, sanitary sewer lines, relocation of a steam line, fire protection systems and supply lines. 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>1,230 m2</u> Adequate: <u>615 m2</u> Substandard: <u>0 m2</u> PROJECT:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015												
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Radar Air Traffic Control Facility Addition													
5. Program Element 0216496M	6. Category Code 13372	7. Project Number P686	8. Project Cost (\$000) 4,918													
Construct an addition to the existing Radar Air Traffic Control Facility (RATCF, Building AS427) to house new radar display system, radar and tower simulators. (Current Mission) REQUIREMENT: Provide adequate facilities to train and provide for safe, orderly and expeditious movement of the air traffic at Marine Corps Air Station New River. An addition is required to accommodate the installation of a new radar display system, new radar simulators, and tower simulator arriving in FY 2017. These new systems will displace office space utilized by other personnel and storage areas, requiring their relocation. The establishment of new positions, not accounted for in the original design of the building, requires additional office space to be created. The Deputy Air Traffic Control Facility Officer, Non-Commissioned Officer in Charge (NCOIC), the TERPS Specialist, and the Training Standardization Specialist, are all required billets per Department of the Navy requirements. CURRENT SITUATION: The existing square footage within AS427 is not sufficient to accommodate the Air Traffic Control personnel population (95 personnel) or the installation of new equipment. Additional personnel support space is required as well as additional space to accommodate new equipment installation. IMPACT IF NOT PROVIDED: There will not be sufficient office space remaining to relocate these personnel. ATC training is centralized at the facility management level to provide for the standardization and proper tracking of that training. Training department requires adequate space to perform its duties. Unintended inefficiency due to inadequate office space will lengthen qualification time for the Marine controllers resulting in understaffing of key operational billets. This will then reduce airfield operational hours because of an inadequate number of qualified controllers to run the airfield, impacting mission readiness of the squadrons using airfield.																
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>10%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	09/2014	(B) Date 35% Design or Parametric Cost Estimate complete	01/2015	(C) Date design completed	09/2015	(D) Percent completed as of September 2014	10%	(E) Percent completed as of January 2015	35%	(F) Type of design contract	Design Bid Build
(A) Date design or Parametric Cost Estimate started	09/2014															
(B) Date 35% Design or Parametric Cost Estimate complete	01/2015															
(C) Date design completed	09/2015															
(D) Percent completed as of September 2014	10%															
(E) Percent completed as of January 2015	35%															
(F) Type of design contract	Design Bid Build															

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Radar Air Traffic Control Facility Addition	
5. Program Element 0216496M	6. Category Code 13372	7. Project Number P686	8. Project Cost (\$000) 4,918	
(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				\$500
(B) All other design costs				\$100
(C) Total				\$600
(D) Contract				\$500
(E) In-house				\$100
4. Contract award:				03/2016
5. Construction start:				04/2016
6. Construction complete:				04/2017
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>		
Furniture Fixtures & Equipment		O&MMC	2017	812
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: 910-449-5401				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Operational Trainer Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P729	8. Project Cost (\$000) 3,312	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
OPERATIONAL TRAINER FACILITY (2,723SF)	m2	253		1,180
OPERATIONAL TRAINER FACILITY (CC17135) CC17135 (2,723SF)	m2	253	4,350	(1,100)
SPECIAL COSTS	LS			(70)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(10)
SUPPORTING FACILITIES				1,810
PAVEMENT FACILITIES	LS			(170)
SITE PREPARATIONS	LS			(230)
SPECIAL FOUNDATION FEATURES	LS			(140)
PAVING AND SITE IMPROVEMENTS	LS			(290)
ELECTRICAL UTILITIES	LS			(480)
MECHANICAL UTILITIES	LS			(500)
SUBTOTAL				2,990
CONTINGENCY (5%)				150
TOTAL CONTRACT COST				3,140
SIOH (5.7%)				180
SUBTOTAL				3,320
TOTAL REQUEST ROUNDED				3,320
TOTAL REQUEST				3,312
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(95)
10. Description of Proposed Construction: Project constructs a steel frame operational trainer facility to include spread-footer foundation, reinforced slab on grade concrete floors, reinforced CMU walls and standing seam metal roof. The operational trainer facility will include brief/debrief space, blast resistant doors, personnel support spaces, classroom space, material storage spaces Information systems include basic telephone, computer network, fiber optic, cable television, security, fire alarm systems, and infrastructure. 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.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Operational Trainer Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P729	8. Project Cost (\$000) 3,312	
Special costs include Post Construction Contract Award Services (PCAS), which includes Geospatial Data Survey & Mapping services. 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. Pavement facilities include construction of 2 Containerized Flight Training Device (CFTD) concrete pads and 2 monolithic concrete slabs for siting the CFTDs. Site preparation includes clearing, excavation, removal of existing steam lines and foundations, removal of contaminated soils, and preparation for construction. Paving and site improvements include grading, sidewalks, security fencing, turf and landscaping, off-site sanitary sewer lines and small sewage lift station, storm-water drainage and management/treatment and bio retention cells. Electrical utilities include primary and secondary distribution systems, area lighting, transformer, site security alarms, 200 amp power services, utility connections, switches and tele-communications infrastructure. Mechanical utilities include water lines, sanitary sewer lines and sewer force main, storm drainage lines, fire protection systems, and gas supply lines. Facilities will be designed to meet or exceed the useful service 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>253 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Construct an Operational Trainer Facility to support CH-53K pilot and aircrew flight training requirements. (New Mission)				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Operational Trainer Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P729	8. Project Cost (\$000) 3,312	
REQUIREMENT: Adequate facilities to support the CH-53K helicopter pilot and aircrew training are required to prepare crews for operation of new platform.				
CURRENT SITUATION: Existing training facilities are operating at capacity in support of current fleet aircraft: MV-22, CH-53E, UH-1Y, and AH-1W. Floor space is not available for installation of CH-53K training devices. Joint use of current CH-53E training facilities is not possible since CH-53E operations will continue as CH-53K is phased in. A facility of sufficient size is not available for renovation/modernization.				
IMPACT IF NOT PROVIDED: MCAS New River will not be able to meet the mission requirement to support CH-53K aircrew flight training. Pilots and aircrews will not be qualified to fly this new platform.				
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				01/2015
(C) Date design completed				09/2015
(D) Percent completed as of September 2014				10%
(E) Percent completed as of January 2015				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				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$330
(B) All other design costs				\$100
(C) Total				\$430
(D) Contract				\$330
(E) In-house				\$100
4. Contract award:				01/2016
5. Construction start:				02/2016
6. Construction complete:				02/2017
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67001(LA) MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) NEW RIVER, NORTH CAROLINA			4. Project Title Operational Trainer Facility	
5. Program Element 0216496M	6. Category Code 17135	7. Project Number P729	8. Project Cost (\$000) 3,312	
Colateral Equipment		O&MMC	2016	55
Marine Corps Wide IT Equipment		O&MMC	2016	40
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: 910-449-5401				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015			
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 .88				
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	255	2142	502	0	0	0	0	0	7364	10263
	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 2014									1,366,324	
C. AUTHORIZATION NOT YET IN INVENTORY									17,107	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM									27,075	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									0	
F. PLANNED IN NEXT THREE PROGRAM YEARS									27,001	
G. REMAINING DEFICIENCY									170,683	
H. GRAND TOTAL									1,608,190	
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>			
17550	Range Safety Improvements & Modernization	05/2014		09/2015		0 LS	27,075			
TOTAL							27,075			
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
72115 Support Battalion Barracks									27,001	
TOTAL							27,001			
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 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
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 .88

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Range Safety Improvements & Modernization	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P398	8. Project Cost (\$000) 27,075	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RANGE SAFETY IMPROVEMENTS & MODERNIZATION	LS			7,620
RANGE SUPPORT FACILITIES CC14315	m2	483	1,739.14	(840)
RANGE BERMS CC87135	EA	3	1,790,000	(5,370)
BUILT-IN EQUIPMENT	LS			(1,140)
SPECIAL COSTS	LS			(270)
SUPPORTING FACILITIES				16,780
SPECIAL CONSTRUCTION FEATURES	LS			(2,070)
PAVEMENT FACILITIES	LS			(3,540)
SITE PREPARATIONS	LS			(7,420)
SPECIAL FOUNDATION FEATURES	LS			(110)
PAVING AND SITE IMPROVEMENTS	LS			(1,630)
ELECTRICAL UTILITIES	LS			(780)
MECHANICAL UTILITIES	LS			(530)
ENVIRONMENTAL MITIGATION	LS			(650)
DEMOLITION	LS			(50)
SUBTOTAL				24,400
CONTINGENCY (5%)				1,220
TOTAL CONTRACT COST				25,620
SIOH (5.7%)				1,460
SUBTOTAL				27,080
TOTAL REQUEST ROUNDED				27,080
TOTAL REQUEST				27,075
10. Description of Proposed Construction:				
The project includes the demolition of existing range infrastructure and facilities and the construction of earthen berms and range supporting facilities. New range construction shall meet the requirements of all applicable Marine Corps requirements for Known Distance (KD) range requirements. Range support buildings to be constructed include: target storage, "Butts" control house and toilet facilities. All facilities will be concrete or reinforced concrete masonry unit structures with stucco exterior and concrete slab on grade.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Range Safety Improvements & Modernization	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P398	8. Project Cost (\$000) 27,075	
Project main earth berm structures include a behind the target area bullet impact berm with side and rear retaining walls as appropriate with flat lead mining equipment maintenance surfaces. Built-in equipment will include a concrete butts-type target system for the rifle range, Table II target systems, range flag poles, butt area wall benches, vehicular access gates and firing line benches. Special Costs include Post Construction Award Services (PCAS) and geospace mapping and survey. 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. Special construction features include steel reinforced concrete retaining walls with foundations. Pavement facilities include asphalt range roads, asphalt maintenance roads, butt area asphalt work/vehicle apron and asphalt range control tower road. Also, the KD range will have multiple rubberized firing lines up to 457 meters (500 yards) from a butt-type targeting system. The rubberized surface will be supported by an asphalt surface and aggregate base. Site preparation includes site clearing, grubbing, excavation and preparation for construction, demolition of existing concrete structures, existing paving and utilities. Site earthwork which includes removing and replacing unsuitable existing soils, soil stabilization, moving existing berm soils to new berm locations, providing fill, grading and top soil as required. Berm stabilization will include special low maintenance ground cover. Special foundation features include piles as appropriate to the facilities or retaining wall structures. Paving and site improvements include parking for approximately 70 vehicles, access roads, concrete linings for open drainage within tidal ranges, landscaping, berm tunnel, subsurface storm water management system, bio retention cells and infiltration trenches. Landscaping will include sod around firing lines, general flat area seeding and sprinkler irrigation				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																				
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Range Safety Improvements & Modernization																					
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P398	8. Project Cost (\$000) 27,075																					
the recruit training program. Additionally, range operations are required to be protective of the public and environment. Required training operations tempo (throughput) dictates necessary upgrades can be accomplished at only one range at a time. CURRENT SITUATION: Weapons Battalion ranges and facilities are essential to MCRD Parris Island's recruit training mission. There are four KD ranges, one unknown distance range and three pistol ranges. All are necessary to meet entry level and annual weapons training requirements. Over 20,000 recruits annually qualify on the ranges each year; an estimated 60,000 lbs of lead and 35,000 lbs of copper enter the nearby wetlands from required qualify/requalify training. MCRD Parris Island KD ranges do not have earthen impact berms to retain and prevent rounds from landing in the adjacent wetlands; safety berms between different ranges do not fully meet height and length criteria requirements. The general area has commercial/recreational fishing and shell fish activities ongoing requiring the area to be cordoned when ranges are active. Continued accumulation of lead/copper in the wetlands and waterways is increasing negative impacts. The current state of the ranges and facilities in support of MCRD Parris Island's weapons training operations present an unacceptable risk to environment and safety. IMPACT IF NOT PROVIDED: Without earthen impact berms and fully sufficient safety berms, continued operations might not be possible and the ranges would have to be closed or require curtailment of operating hours. Curtailment or closure of live fire weapons training at MCRD Parris Island will have serious detrimental impact for the mission of the Depot to process recruits to become Marines.																								
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>05/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>10%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E):					(A) Date design or Parametric Cost Estimate started	05/2014	(B) Date 35% Design or Parametric Cost Estimate complete	01/2015	(C) Date design completed	09/2015	(D) Percent completed as of September 2014	10%	(E) Percent completed as of January 2015	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	(A) Standard or Definitive Design	No	(B) Where design was previously used	
(A) Date design or Parametric Cost Estimate started	05/2014																							
(B) Date 35% Design or Parametric Cost Estimate complete	01/2015																							
(C) Date design completed	09/2015																							
(D) Percent completed as of September 2014	10%																							
(E) Percent completed as of January 2015	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																							
(A) Standard or Definitive Design	No																							
(B) Where design was previously used																								

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Range Safety Improvements & Modernization	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P398	8. Project Cost (\$000) 27,075	
(A) Production of plans and specifications				\$1,500
(B) All other design costs				\$500
(C) Total				\$2,000
(D) Contract				\$1,800
(E) In-house				\$200
4. Contract award:				01/2016
5. Construction start:				02/2016
6. Construction complete:				10/2017
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 recommended.				
Activity POC: Project Development Lead Phone No: 843 228 4831				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00263 MCRD/BEAUFORT PI SC PARRIS ISLAND, SOUTH CAROLINA			4. Project Title Range Safety Improvements & Modernization	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P398	8. Project Cost (\$000) 27,075	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N60191 NAS OCEANA VA DAM NECK, VIRGINIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index .92		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	857	6024	468	0	0	0	36	160	0	7545
	800	6037	468	0	0	0	36	160	0	7501
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(1915 Acres)										
B. INVENTORY AS OF 30 SEP 2014										1,097,958
C. AUTHORIZATION NOT YET IN INVENTORY										53,256
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										23,066
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										0
H. GRAND TOTAL										1,174,280
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	Maritime Surveillance System Facility			01/2014	08/2015	2905 m2	23,066			
TOTAL								23,066		
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										675,866
10. Mission or Major Functions:										
To support the Navy's Atlantic and Pacific Fleet force of strike-fighter aircraft & joint/inter-agency operations.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N60191 NAS OCEANA VA DAM NECK, VIRGINIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .92

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60191(DN) NAS OCEANA VA (DAM NECK) DAM NECK, VIRGINIA			4. Project Title Maritime Surveillance System Facility	
5. Program Element 0311376N	6. Category Code 13165	7. Project Number P603	8. Project Cost (\$000) 23,066	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MARITIME SURVEILLANCE SYSTEM FACILITY (31,269SF)	m2	2,905		10,330
MARITIME SURVEILLANCE SYSTEM FACILITY CC13165 (23,002SF)	m2	2,137	3,032	(6,480)
NOPF UTILITY BLDG CC81159 (8,267SF)	m2	768	2,218	(1,700)
INFORMATION SYSTEMS	LS			(210)
BUILT-IN EQUIPMENT	LS			(1,600)
SPECIAL COSTS	LS			(230)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
SUPPORTING FACILITIES				10,460
SPECIAL CONSTRUCTION FEATURES	LS			(70)
SITE PREPARATIONS	LS			(1,370)
SPECIAL FOUNDATION FEATURES	LS			(1,860)
PAVING AND SITE IMPROVEMENTS	LS			(1,380)
ELECTRICAL UTILITIES	LS			(1,150)
MECHANICAL UTILITIES	LS			(4,580)
DEMOLITION	LS			(50)
SUBTOTAL				20,790
CONTINGENCY (5%)				1,040
TOTAL CONTRACT COST				21,830
SIOH (5.7%)				1,240
SUBTOTAL				23,070
TOTAL REQUEST ROUNDED				23,070
TOTAL REQUEST				23,066
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(496)
10. Description of Proposed Construction: Constructs a maritime surveillance system facility using a structural steel frame, rib blocked exterior wall system, concrete piles, grade beam foundation, concrete slab, and modified bitumen roofing system on a steel-framed supported slab designed for future second floor loading. This project will be constructed adjacent to Building #470 and will also be connected to Building #470 via covered walkway. The new facility shall				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60191(DN) NAS OCEANA VA (DAM NECK) DAM NECK, VIRGINIA			4. Project Title Maritime Surveillance System Facility	
5. Program Element 0311376N	6. Category Code 13165	7. Project Number P603	8. Project Cost (\$000) 23,066	
include Naval Ocean Processing Facility (NOPF) training operations, administrative, and watch stander spaces. Supporting spaces include male and female locker rooms with showers and a coffee mess/break room. The facility includes maintenance operations and administrative spaces. Constructs a NOPF Utility Facility which will house the mechanical and electrical equipment to support the NOPF. Built-in equipment includes emergency generator and uninterruptable power supply, a dry chemical firefighting system, raised computer flooring and lightning protection. Special costs include post construction contract award services (PCAS). Special costs include monitoring during Secure Compartmented Intelligence Facility (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 there are no abnormalities that could affect and compromise the security of the SCIF. Operations and maintenance support information (OMSI) is included in this project. 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. Site preparation includes sites clearing, tree removal, import fill, grading and preparation for construction. Special foundation features include piling. The ground floor of this facility and the mechanical and electrical equipment will be constructed at elevations of ten feet or greater above mean sea level to keep them above the 100-year flood zone high-water level. Paving and site improvements includes approximately 195 parking spaces, loading/unloading and dumpster pads, access road, curbs, sidewalks, landscaping, fencing, signs and demolition of security fence.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60191(DN) NAS OCEANA VA (DAM NECK) DAM NECK, VIRGINIA			4. Project Title Maritime Surveillance System Facility	
5. Program Element 0311376N	6. Category Code 13165	7. Project Number P603	8. Project Cost (\$000) 23,066	
Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure. Mechanical utilities include water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines. Project will demolish Building #469 (384 m2) which currently houses the mechanical and electrical systems that support the NOPF. 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. The planned project site is within the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project.				
11. Requirement: <u>2,933 m2</u> Adequate: Substandard: PROJECT: Constructs a new operational facility to accommodate program growth in the maritime surveillance system. (Current Mission) REQUIREMENT: The activity provides maritime surveillance data collection and dissemination capability to the Fleet; serving as a force multiplier for the Joint Force and Fleet Commander, enhancing situational awareness of the battle space, and shortening the sensor-to-shooter kill chain. Additionally, there is a requirement to perform test and evaluation functions and provide program management for new surveillance systems as they evolve from legacy systems to new system platforms. In order to perform these functions, additional adequate facilities for operations, maintenance, and testing of associated surveillance systems is required. CURRENT SITUATION: As the Navy maritime mission expands, there is not enough space to accommodate the maritime surveillance system that is coming online. There is no space in the existing facilities to accommodate program growth. These facilities will be overcrowded until this project is provided. IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																
3. Installation(SA)& Location/UIC: N60191(DN) NAS OCEANA VA (DAM NECK) DAM NECK, VIRGINIA			4. Project Title Maritime Surveillance System Facility																	
5. Program Element 0311376N	6. Category Code 13165	7. Project Number P603	8. Project Cost (\$000) 23,066																	
Not constructing a new building to accommodate the maritime surveillance system will adversely impact Navy operations. 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 will all be degraded resulting in a less capable warfighter.																				
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 01/2014 (B) Date 35% Design or Parametric Cost Estimate complete 01/2015 (C) Date design completed 08/2015 (D) Percent completed as of September 2014 15% (E) Percent completed as of January 2015 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 \$1,360 (B) All other design costs \$450 (C) Total \$1,810 (D) Contract \$1,660 (E) In-house \$150 4. Contract award: 03/2016 5. Construction start: 04/2016 6. Construction complete: 10/2017 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Electronic Security</td> <td>OMN</td> <td>2016</td> <td>146</td> </tr> <tr> <td>FF&E</td> <td>OMN</td> <td>2016</td> <td>350</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>		Electronic Security	OMN	2016	146	FF&E	OMN	2016	350
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>																	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>																		
Electronic Security	OMN	2016	146																	
FF&E	OMN	2016	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.																				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60191(DN) NAS OCEANA VA (DAM NECK) DAM NECK, VIRGINIA			4. Project Title Maritime Surveillance System Facility	
5. Program Element 0311376N	6. Category Code 13165	7. Project Number P603	8. Project Cost (\$000) 23,066	
Activity POC: Project Development Lead Phone No: 757-433-2649				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N60191(DN) NAS OCEANA VA (DAM NECK) DAM NECK, VIRGINIA			4. Project Title Maritime Surveillance System Facility	
5. Program Element 0311376N	6. Category Code 13165	7. Project Number P603	8. Project Cost (\$000) 23,066	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015			
3. Installation and Location: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index .9			
6. Personnel Strength:		PERMANENT			STUDENTS			SUPPORT			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-14		4071	33110	9908	0	0	0	666	691	0	48446
B. End FY 2019		3969	37001	9908	0	0	0	666	691	0	52235
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(3687 Acres)											
B. INVENTORY AS OF 30 SEP 2014											5,753,897
C. AUTHORIZATION NOT YET IN INVENTORY											100,141
D. AUTHORIZATION REQUESTED IN THIS PROGRAM											126,677
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM											0
F. PLANNED IN NEXT THREE PROGRAM YEARS											18,868
G. REMAINING DEFICIENCY											881,704
H. GRAND TOTAL											6,881,287
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	MH60 Helicopter Training Facility	07/2012	06/2015			1068 m2	7,134				
81232	Electrical Repairs to Piers 2, 6, 7 and 11	04/2013	03/2016			3688 m	44,254				
13117	Communications Center	09/2013	09/2015			15192 m2	75,289				
						TOTAL	126,677				
9. Future Projects:											
A. Included In The Following Program:											
B. Major Planned Next Three Years:											
42172 Magazines (Chambers Field)											18,868
											TOTAL 18,868
C. R&M Unfunded Requirement (\$000):											1,636,390
10. Mission or Major Functions:											
Naval Station Norfolk functions as the primary operating base of the Atlantic Fleet. It provides port and airfield services, extensive facilities to support the many functions performed on the base, and the full range of services needed to enhance the quality of service and quality of life of military personnel and their families. Naval Station, Norfolk is homeport to over 80 ships, including five aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. It also maintains 15 fixed-wing and helicopter squadrons, a contract fleet readiness squadron for C-12, and air cargo and air passenger terminals. In addition, the airfield hosts transport aircraft (C-9, C-5, C-130, B-757, DC-8, DC-5, L1011).											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):											0
B. Occupational Safety and Health(OSH)(#):											0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .9

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title MH60 Helicopter Training Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P518	8. Project Cost (\$000) 7,134	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MH60 HELICOPTER TRAINING FACILITY (11,497SF)	m2	1,068.14		3,280
MH 60 HELO TRAINER FACILITY ADDITION CC17135 (10,604SF)	m2	985.14	1,850	(1,820)
MH60S HELO TRAINER FACILITY CC17120 (893SF) (RENOVATE)	m2	83	2,070	(170)
BUILT-IN EQUIPMENT	LS			(1,000)
SPECIAL COSTS	LS			(290)
SUPPORTING FACILITIES				3,150
SITE PREPARATIONS	LS			(650)
SPECIAL FOUNDATION FEATURES	LS			(570)
PAVING AND SITE IMPROVEMENTS	LS			(980)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
ELECTRICAL UTILITIES	LS			(700)
MECHANICAL UTILITIES	LS			(230)
SUBTOTAL				6,430
CONTINGENCY (5%)				320
TOTAL CONTRACT COST				6,750
SIOH (5.7%)				380
SUBTOTAL				7,130
TOTAL REQUEST ROUNDED				7,130
TOTAL REQUEST				7,134
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(16,479)
10. Description of Proposed Construction:				
Constructs a single-story addition to Building #SP250. The building will include two high-bay spaces, pneumatic power rooms, debriefing rooms, mechanical/electrical rooms, storage areas, raised flooring, and will meet security/information technology (IT) requirements. The entire addition will be constructed as a Sensitive Compartmented Information Facility (SCIF). The addition will match existing building and be insulated metal-clad with insulated metal roofs. The foundations will consist of spread footings, continuous footings with grade beams and structural slabs on grade. Provide isolated structural concrete floor anchoring to support motion simulators. A heavy load structural steel frame and columns support				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title MH60 Helicopter Training Facility	
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P518	8. Project Cost (\$000) 7,134	
the building. Two large overhead doors will be installed, will provide access to the high bay spaces. Project will modify Building #SP250 to support storage and toilet requirements. Built-in equipment includes weapons storage cages. 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. 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. The planned project site is within the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project. The ground floor will be elevated above the 100-year flood plain high water mark.				
11. Requirement: <u>3,405 m2</u> Adequate: <u>2,282 m2</u> Substandard: <u>0 m2</u>				
PROJECT: This project will construct an addition to Building #SP250 to support two MH-60S Aircrew Virtual Environmental Trainers (AVETs). (Current Mission)				
REQUIREMENT: This project provides a facility to accommodate new AVETs. There will be two MH-60S AVETs sited at Chambers Field at Naval Station Norfolk to support the MH-60S Armed Helicopter Program. NS Norfolk will be the training center for the MH-60S. The simulators provide training in armed helicopter operations, which cannot be safely accomplished in the aircraft during normal training flight operations. For those operations that could				

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3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title MH60 Helicopter Training Facility											
5. Program Element 0815976N	6. Category Code 17135	7. Project Number P518	8. Project Cost (\$000) 7,134											
be accomplished in the aircraft, the simulators will allow pilots and crew to spend more time in trainers and less time flying. This will use less fuel, eliminate wear and tear on the aircraft, reduce maintenance hours and create less noise for nearby residents. This addition will share existing spaces in Building #SP250. Currently, the U.S. Navy operates four types/models of helicopters at Chambers Field. Two older models will be replaced with the new, multipurpose MH-60S. The transition to this new airframe has already commenced, and the number of helicopters at Chambers Field has nearly doubled since the arrival of new squadrons and airframes. The new helicopters bring new missions and training requirements. This project must be co-located with existing trainers within SP250 at a minimum distance in order to maintain proper reaction time and resolution of mission scenarios. As a result it must be an addition to the SP250 facility. CURRENT SITUATION: There currently are no spaces available that have the size, security, and configuration to accommodate the new AVETs. Training is being completed using aircraft on a range and using a non-motion prototype AVET. Using aircraft requires more flight hours, fuel, and ammunition, resulting in higher fuel costs, more maintenance man-hours, and supplies. The existing prototype is being used as a stop-gap measure, but is not capable of providing the intended training scenarios in synchronization with existing motion trainers. There are no adequate facilities to house the tactical simulators required for this new mission training, nor are there any facilities within the minimum distance required for reaction time measurement and resolution of mission scenarios. IMPACT IF NOT PROVIDED: If these simulators are not available in Norfolk, some of the syllabus events will have to be accomplished in the aircraft. However, some events cannot be accomplished in the aircraft, and will be forced to be waived/modified, resulting in a general degradation of the entire training program. Aircrew personnel will be less qualified, increasing the risk to both crew and aircraft. Operating the simulator to achieve the required training is also much less expensive and safer than flying the helicopter.														
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>07/2012</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>09/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>06/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>40%</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	07/2012	(B) Date 35% Design or Parametric Cost Estimate complete	09/2014	(C) Date design completed	06/2015	(D) Percent completed as of September 2014	35%	(E) Percent completed as of January 2015	40%
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																
3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title MH60 Helicopter Training Facility																	
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(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 Naval Station Norfolk - SP250 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$550 (B) All other design costs \$180 (C) Total \$730 (D) Contract \$670 (E) In-house \$60 4. Contract award: 02/2016 5. Construction start: 03/2016 6. Construction complete: 04/2017 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>FF&E</td> <td>OMN</td> <td>2016</td> <td>179</td> </tr> <tr> <td>Two AVET Simulators</td> <td>OPN</td> <td>2017</td> <td>16,300</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>		FF&E	OMN	2016	179	Two AVET Simulators	OPN	2017	16,300
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>																	
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>																		
FF&E	OMN	2016	179																	
Two AVET Simulators	OPN	2017	16,300																	
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: 757-341-0513																				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Electrical Repairs to Piers 2, 6, 7 and 11	
5. Program Element 0702776N	6. Category Code 81232	7. Project Number P610	8. Project Cost (\$000) 44,254	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ELECTRICAL REPAIRS TO PIERS 2, 6, 7 AND 11 (12,100LF)	m	3,688		38,460
ELECTRICAL DISTRIBUTION CC81232 (12,100LF)	m	3,688	10,222.97	(37,700)
SPECIAL COSTS	LS			(380)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(380)
SUPPORTING FACILITIES				30
DEMOLITION	LS			(30)
SUBTOTAL				38,490
CONTINGENCY (5%)				1,920
TOTAL CONTRACT COST				40,410
SIOH (5.7%)				2,300
SUBTOTAL				42,710
DESIGN/BUILD - DESIGN COST				1,540
TOTAL REQUEST ROUNDED				44,250
TOTAL REQUEST				44,254
10. Description of Proposed Construction:				
Constructs new 480-volt power system on Piers 2, 6, 7 and 11 to include the connectors, receptacle stations, conduits and cables to protected ductbanks located between the upper and lower decks. 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. Special costs include post contract award services (PCAS). Operations and maintenance support information (OMSI) is included in this project. 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.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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Project will demolish existing electrical distribution system on piers 2, 6, 7, and 11. 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. The planned project site is within the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project. Project elevates the electrical utilities to place them on the upper decks of the two piers and above the 100-year floodplain.				
11. Requirement: <u>3,688 m</u> Adequate: <u>0 m</u> Substandard: <u>0 m</u> PROJECT: Replaces and upgrades the 480-volt power system, that is past the end of its useful service life, on Piers 2, 6, 7 and 11. (Current Mission) REQUIREMENT: Electrical utilities upgrades are required on the piers to provide critical shore power to berthed ships allowing them to go cold iron when in port to allow needed maintenance on ship systems, reduce operating costs and reduce exhaust emissions. CURRENT SITUATION: The electrical conduit and cable systems on the double-deck piers have failed in many locations and continue to have outages caused by storms. Each storm creates significant damage to the current cable system caused by high water and floating objects. Repairs due to storms and high tides require months of work to complete and do not prevent future damage. Each failure results in loss of shore power capability requiring vessels to produce their own power. Ship power requires increased manpower and fuel to support. Deterioration is resulting in reliability and safety issues to the systems while maintaining ship power in port. IMPACT IF NOT PROVIDED: System failures and expensive reoccurring repairs will continue. Significant life safety concerns for electricians and other personnel in the area will remain.				
12. Supplemental Data: A. Estimated Design Data:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Electrical Repairs to Piers 2, 6, 7 and 11	
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1. Status: (A) Date design or Parametric Cost Estimate started 01/2014 (B) Date 35% Design or Parametric Cost Estimate complete 06/2014 (C) Date design completed 06/2016 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 15% (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 \$2,152 (B) All other design costs \$1,100 (C) Total \$3,252 (D) Contract \$2,152 (E) In-house \$1,100 4. Contract award: 01/2016 5. Construction start: 06/2016 6. Construction complete: 06/2018 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 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: 757-341-1176				

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA			4. Project Title Communications Center	
5. Program Element 0301376N	6. Category Code 13117	7. Project Number P913	8. Project Cost (\$000) 75,289	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
COMMUNICATIONS CENTER (163,525SF)	m2	15,192		48,450
COMMUNICATION CENTER CC13117 (163,525SF)	m2	15,192	2,913.28	(44,260)
ANTI-TERRORISM/FORCE PROTECTION	LS			(2,370)
BUILT-IN EQUIPMENT	LS			(1,030)
SPECIAL COSTS	LS			(790)
SUPPORTING FACILITIES				19,390
SPECIAL CONSTRUCTION FEATURES	LS			(660)
SITE PREPARATIONS	LS			(2,840)
SPECIAL FOUNDATION FEATURES	LS			(2,830)
PAVING AND SITE IMPROVEMENTS	LS			(3,250)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
ELECTRICAL UTILITIES	LS			(6,550)
MECHANICAL UTILITIES	LS			(1,590)
DEMOLITION	LS			(1,660)
SUBTOTAL				67,840
CONTINGENCY (5%)				3,390
TOTAL CONTRACT COST				71,230
SIOH (5.7%)				4,060
SUBTOTAL				75,290
TOTAL REQUEST ROUNDED				75,290
TOTAL REQUEST				75,289
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(109,350)
10. Description of Proposed Construction:				
Construct a multi-story, steel framed building with a reinforced concrete exterior and brick facade for the Communication Center at Naval Computer and Telecommunication Area Master Station Atlantic (NCTAMS LANT). Building roof will be constructed to accommodate radio frequency antennas and an antenna distribution system. Communication center will include administrative spaces, support spaces, equipment/operational spaces with open architecture, diverse building entries for telecommunications cables, maintenance/training spaces, and storage spaces.				

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It will include adequate space for emergency generators, uninterrupted power supply, fire protection, electrical, mechanical, and air conditioning equipment with "survivable" design considerations and incorporate features that facilitate emergency reconstitution using portable systems for chilled water, power, etc. Built-in equipment will include fire booster pump, passenger/freight elevator, motorized accoustical partition, emergency generator, in-floor aqueous film-forming foam system, uninterruptible power supply and raised flooring. Special costs include Post Construction Contract Award Services (PCAS), historical mitigation, secure compartmented intelligence facility (SCIF) monitoring and certification. Special costs include monitoring during Secure Compartmented Intelligence Facility (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 there are no abnormalities that could affect and compromise the security of the SCIF. 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. Site preparations includes site clearing, excavation, site fill, preparation for construction, removal of contaminated earth, and demolition of existing underground storage tanks at M51. Special foundation features include piling. Paving and site improvements include grading, concrete access road, parking for approximately 440 spaces, loading area and dumpster pads, pads for above-ground storage tanks, sidewalks, site fencing and landscaping. 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 Intelligence Community Technical Specifications. The project will provide				

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greater than minimum AT measures in its site planning, building location and setbacks, and architectural/structural design, equating to a high level of protection. The site design will include a perimeter fence with pedestrian and vehicle access gate. The facility requires hardened construction to mitigate risk associated with threats to include forced entry, direct fire weapons, surveillance, and eavesdropping. Electrical utilities include primary and secondary distribution; telephone, data, and trunk lines for communications; security alarms; transformers; area lighting. Mechanical utilities include gas and water distribution, a fire protection waterline, a sanitary sewer system, a water well for chiller back-up, geothermal wells, and storm drainage piping. Project includes installation of three 10,000 gallon double-wall, above-ground storage tanks equipped with fuel and spill monitoring equipment, and a fuel purification system. Demolition of eight facilities will include the following for site clearance: Building #MB28 (7,261 m2), Building #MB29 (975 m2), Building #MB43 (1,059 m2), Building #U6A (33 m2). The following will be demolished upon completion of the project as the functions they now house will be relocated and they are no longer needed: Building #M51 (8,431 m2), Building #M52 (1,204 m2), Building #M113 (232 m2), and Building #M125 (93 m2). Total demolition is 19,288 m2. Other facilities shared and utilized by NCTAMSLANT functions will be partially vacated and existing commands will continue to use. 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. The planned project site is within the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project. Project will elevate the ground floor above the 100-foot floodplain high water level.				
11. Requirement: <u>17,373 m2</u> Adequate: Substandard: PROJECT:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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5. Program Element 0301376N	6. Category Code 13117	7. Project Number P913	8. Project Cost (\$000) 75,289	
Constructs a new consolidated, secure, state-of-the-art, Command, Control, Communications, Computers and Intelligence (C4I) service center and support facility at NCTAMSLANT. Project will consolidate administrative, personnel, and operational support functions into a new facility, and subsequent demolition of eight old and deteriorated buildings. (Current Mission) REQUIREMENT: The NCTAMS LANT mission is to bring decision superiority to operational forces and deny it to the enemy; provide the operational platform for information - secure and reliable, classified and unclassified voice, messaging, video, and data telecommunications to U.S. Naval, Joint, Interagency, and Allied operating forces worldwide. NCTAMS LANT provides reliable and enduring C4I and Information Technology (IT) services to Defense Information Systems Agency (DISA); Fleet Forces Command and its units afloat; Navy shore facilities in the eastern United States, the Middle East, and Europe; tactical units of all Service Components; and transmission continuity throughout the Atlantic Area of Responsibility. There is a requirement for a safe, secure, efficient, and adaptable facility with open architecture to accomplish assigned missions that aggregates NCTAMS LANT personnel dispersed across Naval Station (NAVSTA) Norfolk/Naval Support Activity (NSA) Norfolk including the Fleet Network Operations Center in Building #NH95 and collocates communications equipment/watch floors into a common area mirroring NCTAMS Pacific (PAC) to improve Defense Cyber and Defensive Global Information Grid Operations while lowering manning requirements. NCTAMS LANT is being configured to be one of four world-wide Defensive Information Operations (DIO) centers. The DIO approach strengthens the Navy's ability to regionally manage networks and telecommunications, effectively respond to Navy Component and Fleet Commanders, contribute to transparent shared situational awareness, track and characterize cyberspace threats and their relative impact on network operations, monitor and defend the security posture of the networks through distributed defensive cyberspace operations and enable Commander, Tenth Fleet (C10F) to standardize command and control of Navy networks. This approach improves mission responsiveness with better outcomes by having communications experts working side-by-side with cyber analysts. CURRENT SITUATION:				

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Presently, the main communications building and operational control center are located in Building #M51 (8,431 m2), built in 1953 and with portions renovated or additions in 1994. The facility is in poor condition, is not configured for current equipment and operations, and is severely under sized for the communications center requirements. Significant operational spaces are located in Building #NH95 located at NSA. In the past few years, frequent advances in transmission equipment and computer technology have resulted in numerous new equipment installations/replacements and manpower adjustments. These changes have been accommodated by "make-do" methods of either placing equipment in vacant spaces and modifying the spaces and utilities as needed, or relocating existing equipment and making extensive modifications in the space to accommodate the new equipment. Although these methods of facilitating the new equipment installs were made to work, they were generally costly and time consuming. In many instances, the space available was generally limited by the presence of permanent walls. It was not uncommon for equipment and their operators to be located in different spaces which preclude efficient operation of the equipment. IMPACT IF NOT PROVIDED: Mission growth will not be effectively supported. Personnel and equipment providing critical C4I Services and IT support will continue to depend on a suboptimal facility and operate in a less than efficient environment. Enclave security concept cannot be achieved without a well-defined and protected perimeter wall within the installation boundary. Personnel and vehicle movement in and around the vital operations facility will remain difficult to control. Missions will remain fragmented and operationally inefficient in spaces miles apart. The Navy will not address force protection clear zone requirements, access to roof from adjacent buildings, SCIF secure room standards, and lack of dedicated electronic security system.																				
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>01/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>25%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis:					(A) Date design or Parametric Cost Estimate started	09/2013	(B) Date 35% Design or Parametric Cost Estimate complete	01/2014	(C) Date design completed	09/2015	(D) Percent completed as of September 2014	25%	(E) Percent completed as of January 2015	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
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(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 \$4,430 (B) All other design costs \$1,480 (C) Total \$5,910 (D) Contract \$5,420 (E) In-house \$490 4. Contract award: 03/2016 5. Construction start: 04/2016 6. Construction complete: 04/2018 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u> <u>Nomenclature</u></th> <th><u>Procuring</u> <u>Approp</u></th> <th><u>FY Approp</u> <u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>C4I Equipment (Design/Procurement (NCTAMS))</td> <td>OPN</td> <td>2016</td> <td>19,000</td> </tr> <tr> <td>C4I Equipment (Install/Procurement) (NCTAMS)</td> <td>OPN</td> <td>2018</td> <td>86,300</td> </tr> <tr> <td>Furniture, Fixture, and Equipment (NCTAMS)</td> <td>OMN</td> <td>2018</td> <td>3,350</td> </tr> <tr> <td>Security Equipment</td> <td>OPN</td> <td>2017</td> <td>700</td> </tr> </tbody> </table>					<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>	C4I Equipment (Design/Procurement (NCTAMS))	OPN	2016	19,000	C4I Equipment (Install/Procurement) (NCTAMS)	OPN	2018	86,300	Furniture, Fixture, and Equipment (NCTAMS)	OMN	2018	3,350	Security Equipment	OPN	2017	700
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>																					
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C4I Equipment (Install/Procurement) (NCTAMS)	OPN	2018	86,300																					
Furniture, Fixture, and Equipment (NCTAMS)	OMN	2018	3,350																					
Security Equipment	OPN	2017	700																					
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: (757) 443-9191																								

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015			
3. Installation and Location: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA					4. Command Commander Navy Installations Command			5. Area Const Cost Index .9			
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
	979	3075	11996	0	0	0	193	2618	0	18861	
	955	2675	11996	0	0	0	209	3337	0	19172	
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ..(1322 Acres)											
B. INVENTORY AS OF 30 SEP 2014										3,120,043	
C. AUTHORIZATION NOT YET IN INVENTORY										334,539	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										45,513	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										12,858	
F. PLANNED IN NEXT THREE PROGRAM YEARS										48,498	
G. REMAINING DEFICIENCY										427,096	
H. GRAND TOTAL										3,988,547	
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>				
81320	Waterfront Utilities	04/2013		01/2015		11 EA	45,513				
								TOTAL	45,513		
9. Future Projects:											
A. Included In The Following Program:											
21356 Ships Maintenance Facility Bldg 510 Conversion										12,858	
										TOTAL	12,858
B. Major Planned Next Three Years:											
17110 Production Training Facility										19,225	
87135 Dry Dock Flood Protection Improvements										29,273	
										TOTAL	48,498
C. R&M Unfunded Requirement (\$000):										1,338,437	
10. Mission or Major Functions:											
Provide logistic support for assigned ships and service craft. Perform authorized work in connection with construction, conversion, overhaul, repair, alteration, dry docking, and outfitting of ships and craft, as assigned. Perform manufacturing, research, development and test work, as assigned. Perform services and material to other activities and units, as directed by competent authority.											
11. Outstanding Pollution and Safety Deficiencies (\$000):											
A. Pollution Abatement(*):										0	
B. Occupational Safety and Health(OSH)(#):										0	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA	4. Command Commander Navy Installations Command	5. Area Const Cost Index .9

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA			4. Project Title Waterfront Utilities	
5. Program Element 0712776N	6. Category Code 81320	7. Project Number P614	8. Project Cost (\$000) 45,513	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WATERFRONT UTILITIES	EA	12		33,580
POTABLE WATER DIST LINES SYSTEM (RENOVATE) CC84210	EA	3	1,170,000	(3,510)
ELECTRICAL SUBSTATION (RENOVATE) CC81320	EA	5	1,659,015	(8,300)
UNDERGROUND ELECTRICAL DISTR LINES SYSTEM CC81232	EA	1	14,970,000	(14,970)
SALT WATER PIPELINES SYSTEM (RENOVATE) CC84310	EA	1	900,000	(900)
SALT WATER PIPELINES SYSTEM CC84310	EA	1	650,000	(650)
SALT WATER PUMPING STATION (RENOVATE) CC84320	EA	1	620,000	(620)
BUILT-IN EQUIPMENT	LS			(1,420)
SPECIAL COSTS	LS			(3,040)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(170)
SUPPORTING FACILITIES				7,440
SPECIAL CONSTRUCTION FEATURES	LS			(1,020)
SITE PREPARATIONS	LS			(2,420)
PAVING AND SITE IMPROVEMENTS	LS			(340)
ELECTRICAL UTILITIES	LS			(920)
MECHANICAL UTILITIES	LS			(2,740)
SUBTOTAL				41,020
CONTINGENCY (5%)				2,050
TOTAL CONTRACT COST				43,070
SIOH (5.7%)				2,450
SUBTOTAL				45,520
TOTAL REQUEST ROUNDED				45,520
TOTAL REQUEST				45,513
10. Description of Proposed Construction:				
Install a total of five new permanent substations providing industrial and shore power to Dry Dock (DD) 2 and 3. Install one new 4MVA substation to existing slab at Building #1475. This substation will supply DD 2 with shore power. Install one new 8MVA substation to existing slab near				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA			4. Project Title Waterfront Utilities	
5. Program Element 0712776N	6. Category Code 81320	7. Project Number P614	8. Project Cost (\$000) 45,513	
Building #1475. This substation will supply DD 2 and 3 with industrial power. Install one new 8MVA substation to the north side of DD 2. This substation will supply DD 2 with industrial power. Replace existing substations P1E and FD with two new 8MVA substations. These substations will supply DD 3 with industrial power. The incoming 11.5kV primary feeds to each substation are from distribution stations at Building #174 and Building #407. The secondary voltage is 480V. Each station includes high voltage switches, transformers, low voltage switchgear, and new electric cables. Advanced metering infrastructure compliant meters are to be installed. Replace existing potable water (PW) distribution lines and risers around DD 2, 3, and 4. Install new PW lines and risers around DD 2, 3, and 4 and between the DDs to connect the loop. Underground electrical distribution lines consists of new 480 low voltage electric cables along DD 2 and 3. Replace all 480V low voltage electric cables, including the turtleback connectors and all the dock side connectors, from new substations to existing turtlebacks connection points along DD 2 and 3. Replace existing salt water (SW) pipelines and risers around DD 4. Install new SW line and risers running west of DD 2, 3, and 4 feeding SW lines around DD 2, 3, and 4 and connecting SW line at Hitchcock Street to SW line at Renshaw Avenue. The new SW line will provide adequate flushing and cooling to ships in the small docks. Replace the existing pump at Berth 18 with a skid mounted SW diesel pump. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with ATFP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes provisions for new variable frequency drive and new motor for salt water pump station #7, replacement of existing diesel generator and upgrades to potable water booster pump station #3, replace existing diesel generator and upgrade potable water booster pump station #4, replace existing diesel generator and upgrade diesel generator for salt water pump station #7 and the Supervisory Control and Data Acquisition connected salt water overboard valve.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA			4. Project Title Waterfront Utilities	
5. Program Element 0712776N	6. Category Code 81320	7. Project Number P614	8. Project Cost (\$000) 45,513	
Special costs for this project include post construction award service (PCAS), costs associated with construction in the Controlled Industrial Area (CIA) of the shipyard and construction phasing. Operations and maintenance support information (OMSI) is included in this project. 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. Special construction features include rebuilding crane rails and train rails for utility crossing. Site preparations include utility systems demolition, removing paving and slabs, removal and disposal of contaminated earth, and fill for soil removal. Paving and site improvements include paving repairs and new equipment slabs. Electrical utilities include underground primary to 8MVA unit substation North and DD 2 North industrial power distribution. Mechanical utilities include the replacement of the fresh water distribution system that supplies DDs 2,3 and 4. 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>10 EA</u> Adequate: Substandard: PROJECT: Construct five shore power electric substations including switches, transformers, switchgears and new cables to provide industrial and shore power to DD 2 and 3. Replace low voltage cables, turtleback connectors and dock side connectors from new substations to DD 2 and 3. Replace existing by installing new potable water distribution lines around and between DDs				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA			4. Project Title Waterfront Utilities	
5. Program Element 0712776N	6. Category Code 81320	7. Project Number P614	8. Project Cost (\$000) 45,513	
2, 3, and 4 to connect the loop. Replace existing salt water distribution line around DD 4 due to its deteriorated condition. Replace existing emergency salt water diesel pump at Berth 18. Install new salt water distribution line loop to DDs 2, 3, and 4 to provide adequate and reliable flushing and cooling to ships in the small docks. Replace existing pump at Berth 18 with a skid mounted SW diesel pump. Upgrade and replace booster pumps, diesel generators and motors for pump stations #3, #4 and #7. (Current Mission) REQUIREMENT: Adequate, reliable, and safe electrical power, mechanical utilities and supporting facilities and infrastructure are required to accommodate work performed at DDs 2, 3 and 4. CURRENT SITUATION: The electrical service in DDs 2, 3 and 4 areas is undersized, severely inefficient and outdated: constructed as early as 1967. The overall service has a capacity of 30.912 MVA (mega volt amperes), however, because of shore-to-ship hotel power restrictions and undersized substations only a maximum 18.624 MVA is usable. The design of the substations has mandated restrictions due to the requirement for separate shore to ship hotel power and permanent service or industrial power for overhaul of submarines. This separate service requirement has caused a loss of usable circuits which has reduced the overall efficiency to 60 percent. In order to provide necessary service, portable substations, which have also exceeded their expected life expectancy, are being used to compensate for the loss of circuits at the electrical substations. One thousand six hundred man-hours are being spent installing and removing electrical feeds from the deployed portable substations for each submarine that requires shore-to ship hotel power connections. Seven to ten days of installation and three days of removal usually occurs prior to or after the submarine leaves the DD. Typically annually there are between three and four submarines scheduled for repairs in DDs 2, 3 and 4. The Shipyard's aging infrastructure contributes directly to the high rate of unplanned shore power outages. It has the most outages of all four public shipyards and has seen an increase in frequency in recent years. The potable water which is used for firefighting at DDs 2, 3 and 4 does not have the required flow rate and pressure making it not suitable for fire emergencies on or near dry docked submarines. Several breaks have occurred on the looped salt water main that connects these three DDs within the past five years and it is also in poor condition. IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA			4. Project Title Waterfront Utilities	
5. Program Element 0712776N	6. Category Code 81320	7. Project Number P614	8. Project Cost (\$000) 45,513	
The electrical service in DDs 2, 3 and 4 area will remain severely undersized and inefficiently configured and it will continue to degrade. The overall service limitation of 18.624 MVA will require continued placement of portable substations. Each year, the shipyard will continue to lose 14 days to installation and removal of these portables, using 6,400 man-hours to surface run electrical service. This results in a continued risk of a catastrophic loss until repairs are made. The other utility services are imperative to maintaining ship repair schedules. Several breaks have occurred on the looped salt water main that connects the DDs over the last few years, these failures divert resources from ship repairs to ensuring ship equipment are adequately supported during the outages.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				04/2013
(B) Date 35% Design or Parametric Cost Estimate complete				12/2013
(C) Date design completed				01/2015
(D) Percent completed as of September 2014				35%
(E) Percent completed as of January 2015				100%
(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				\$2,280
(B) All other design costs				\$1,200
(C) Total				\$3,480
(D) Contract				\$2,280
(E) In-house				\$1,200
4. Contract award:				01/2016
5. Construction start:				02/2016
6. Construction complete:				12/2017
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA			4. Project Title Waterfront Utilities	
5. Program Element 0712776N	6. Category Code 81320	7. Project Number P614	8. Project Cost (\$000) 45,513	
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: 757-396-8246				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA					4. Command Commandant of the Marine Corps			5. Area Const Cost Index .98		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	2141	4769	6080	5660	5207	192	0	0	24067	48116
	2148	4719	6057	5695	3993	193	0	0	24067	46872
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(60320 Acres)										
B. INVENTORY AS OF 30 SEP 2014										3,971,447
C. AUTHORIZATION NOT YET IN INVENTORY										353,481
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										58,199
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										14,956
F. PLANNED IN NEXT THREE PROGRAM YEARS										100,751
G. REMAINING DEFICIENCY										516,086
H. GRAND TOTAL										5,014,920
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	ATFP Gate	06/2014	11/2015	0 LS	5,840					
61010	Embassy Security Guard BEQ & Ops Facility	03/2014	05/2016	7881 m2	43,941					
81310	Electrical Distribution Upgrade	09/2014	09/2015	1143 m	8,418					
					TOTAL	58,199				
9. Future Projects:										
A. Included In The Following Program:										
73010 TBS Fire Station										13,367
13120 E-LMR Communication Towers										1,589
										TOTAL 14,956
B. Major Planned Next Three Years:										
17120 Expeditionary Warfare School Academic Fac										85,844
17120 EPME Academic Instruction Facility										14,907
										TOTAL 100,751
C. R&M Unfunded Requirement (\$000):										166,699
10. Mission or Major Functions:										
MCB Quantico maintains and operates facilities and provides services and material to support the Marine Corps Combat Development Command, the Marine Corps Air Facility Quantico, and other activities and units designated by the Commandant of the Marine Corps. The mission of the Marine Corps Combat Development Command is to develop Marine Corps warfighting concepts and to determine associated required capabilities in the areas of doctrine, organization, training and education, equipment, and support facilities to enable the Marine Corps to field combat-ready forces. MCB Quantico also serves as the focal point for professional military education.										

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA		4. Command Commandant of the Marine Corps	5. Area Const Cost Index .98
11. Outstanding Pollution and Safety Deficiencies (\$000):			
A. Pollution Abatement(*):			0
B. Occupational Safety and Health(OSH)(#):			0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AA) MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA			4. Project Title ATFP Gate	
5. Program Element 0216496M	6. Category Code 73025	7. Project Number P647	8. Project Cost (\$000) 5,840	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ATFP GATE	LS			2,300
TWO GATE GUARD BOOTHS CC73025	EA	2	56,733.45	(110)
CANOPY CC73025 (2,497SF)	m2	232	4,564.02	(1,060)
MAIN GATE HOUSE/ VISITOR CENTER CC73025 (1,206SF)	m2	112	6,555.95	(730)
MAIN GATE OVERWATCH STRUCTURE CC73025	EA	1	58,887.23	(60)
INSPECTION SHELTER CC73025 (43SF)	m2	4	4,772.85	(20)
INFORMATION SYSTEMS	LS			(80)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
BUILT-IN EQUIPMENT	LS			(110)
SPECIAL COSTS	LS			(80)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				2,970
SITE PREPARATIONS	LS			(110)
PAVING AND SITE IMPROVEMENTS	LS			(1,590)
ANTI-TERRORISM/FORCE PROTECTION	LS			(760)
ELECTRICAL UTILITIES	LS			(320)
MECHANICAL UTILITIES	LS			(180)
DEMOLITION	LS			(10)
SUBTOTAL				5,270
CONTINGENCY (5%)				260
TOTAL CONTRACT COST				5,530
SIOH (5.7%)				320
SUBTOTAL				5,850
TOTAL REQUEST ROUNDED				5,850
TOTAL REQUEST				5,840
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(257)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AA) MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA			4. Project Title ATFP Gate	
5. Program Element 0216496M	6. Category Code 73025	7. Project Number P647	8. Project Cost (\$000) 5,840	
Constructs main entry control facility for Marine Corps Air Facility (MCAF) Quantico including Main Gatehouse/Visitor Center, two Gate Guard Booths, Main Gate Overwatch Structure, Inspection Shelter and Canopy, plus supporting Anti-Terrorism/Force Protection (AT/FP) facilities. Structures to be constructed of bearing concrete masonry unit (CMU) with brick veneer, concrete slab on grade, spread footings, standing seam metal roof, and ballistic doors and windows. Overwatch Structure and Canopy to be constructed of steel frame with brick veneer and standing seam metal roof. Information systems includes telephone, cable television, fiber optic and infrastructure. This project will provide AT/FP features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes emergency generator. Special costs include post construction contract award services (PCAS). Operations and maintenance support information (OMSI) is included in this project. 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. Site preparation includes site clearing, preparation for construction, earthwork, grading and erosion control measures. Paving and site improvements include roadway and intersection improvements, staff and visitor parking facilities for approximately 15 vehicles, vehicle inspection and turn around lanes, vehicle refusal lane, raised concrete islands for security personnel, retaining wall, landscaping, sidewalks, curb, signage, fencing, fencing gates and stormwater management system. Paving and Site Improvements also includes demolition of pavement, curbs, sidewalk, exterior lighting and stormwater inlet and pipes. Electrical utilities include primary and secondary distribution systems, site lighting and telecommunications infrastructure.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AA) MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA			4. Project Title ATFP Gate	
5. Program Element 0216496M	6. Category Code 73025	7. Project Number P647	8. Project Cost (\$000) 5,840	
Mechanical utilities include heating, ventilation, and air conditioning system connections and water and sanitary sewer distribution. Demolition includes removal of the existing guard booth Building #2100A (8.9 m2) to clear the site for the new facility. 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. The planned project site is within the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project. The existing main gate area is in the floodplain and no alternate locations exist for these facilities. Elevations for these facilities will be maximized to the greatest extent possible without raising the entire main gate area.				
11. Requirement: <u>339 m2</u> Adequate: Substandard: PROJECT: Provide efficient, fully functional, and secure entry control points to adequately process visitors and conduct personnel ID checks and vehicle inspections at Marine Corps Air Facility (MCAF) Quantico. (Current Mission) REQUIREMENT: In accordance with the current DoD Anti-Terrorism Orders and Construction Standards, MCAF Quantico requires replacement of the existing gate in order to meet the following requirements: (a) To provide an Entry Control Point (ECP) that allows sentry personnel to implement security measures by providing adequate, positive access control into the base for all vehicles and personnel; (b) To control and contain traffic and inspect all DoD personnel, visitors, and commercial vehicles; (c) To secure the base from unauthorized access; and (d) To intercept contraband as needed. CURRENT SITUATION: The existing ECP does not currently provide for safe, secure, and efficient control, containment, and inspection of vehicles, nor does it allow for efficient ingress and egress. There is no suitable place for a driver to wait while vehicle inspection is conducted. There are no facilities for detention of drivers seeking unauthorized admission. The existing ECP is too close, according to DoD Anti-Terrorism Orders and				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																																						
3. Installation(SA)& Location/UIC: M00264(AA) MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA			4. Project Title ATFP Gate																																							
5. Program Element 0216496M	6. Category Code 73025	7. Project Number P647	8. Project Cost (\$000) 5,840																																							
Construction Standards, to the installation headquarters building. The location of the vehicle screening area creates congestion at the gate and blocks emergency responders. There are no latrines at the gate. The existing main guard house is small with limited space to perform routine operations and difficult for more than one operator to be in the guard house at any single time. There is currently no protection from weather elements when checking a vehicle which reduces effectiveness. IMPACT IF NOT PROVIDED: MCAF Quantico will continue to operate with improvised security measures, resulting in less than ideal processing of vehicles and delaying mission essential personnel and materials from reaching their required destination, thus jeopardizing readiness. The base will continue to be vulnerable to attack.																																										
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>06/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>07/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>11/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$140</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$50</td> </tr> <tr> <td>(C) Total</td> <td>\$190</td> </tr> <tr> <td>(D) Contract</td> <td>\$170</td> </tr> <tr> <td>(E) In-house</td> <td>\$20</td> </tr> </table> 4. Contract award: 03/2016 5. Construction start: 05/2016 6. Construction complete: 05/2017 B. Equipment associated with this project which will be provided from other appropriations: <table> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Approp</th> <th>FY Approp or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment (Various)</td> <td>O&MMC</td> <td>2017</td> <td>200</td> </tr> </tbody> </table>					(A) Date design or Parametric Cost Estimate started	06/2014	(B) Date 35% Design or Parametric Cost Estimate complete	07/2014	(C) Date design completed	11/2015	(D) Percent completed as of September 2014	35%	(E) Percent completed as of January 2015	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	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$140	(B) All other design costs	\$50	(C) Total	\$190	(D) Contract	\$170	(E) In-house	\$20	Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost (\$000)	Collateral Equipment (Various)	O&MMC	2017	200
(A) Date design or Parametric Cost Estimate started	06/2014																																									
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(G) Parametric Estimate used to develop cost	Yes																																									
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AA) MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA			4. Project Title ATFP Gate	
5. Program Element 0216496M	6. Category Code 73025	7. Project Number P647	8. Project Cost (\$000) 5,840	
Marine Corps Enterprise Network		O&MMC	2017	57
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: 703-432-1689				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AA) MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA			4. Project Title ATFP Gate	
5. Program Element 0216496M	6. Category Code 73025	7. Project Number P647	8. Project Cost (\$000) 5,840	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AD) MARINE CORPS BASE QUANTICO (C.A.LLOYD RANGE AREA) QUANTICO, VIRGINIA			4. Project Title Embassy Security Guard BEQ & Ops Facility	
5. Program Element 0216496M	6. Category Code 72125	7. Project Number P707	8. Project Cost (\$000) 43,941	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
EMBASSY SECURITY GUARD BEQ & OPS FACILITY (84,829SF)	m2	7,880.87		25,490
EMBASSY SECURITY BEQ AND OPS FACILITY CC72125 (75,073SF)	m2	6,974.51	2,173.74	(15,160)
BATTALION SECURITY OPS AND ARMORY FACILITY CC61010 (9,676SF)	m2	898.93	2,791.20	(2,510)
COMPOUND ACCESS CONTROL BUILDING CC73020 (80SF)	m2	7.43	1,901	(10)
ANTI-TERRORISM/FORCE PROTECTION	LS			(370)
BUILT-IN EQUIPMENT	LS			(800)
SPECIAL COSTS	LS			(6,270)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(370)
SUPPORTING FACILITIES				12,720
SPECIAL CONSTRUCTION FEATURES	LS			(10)
SITE PREPARATIONS	LS			(360)
SPECIAL FOUNDATION FEATURES	LS			(1,170)
PAVING AND SITE IMPROVEMENTS	LS			(1,540)
ELECTRICAL UTILITIES	LS			(6,080)
MECHANICAL UTILITIES	LS			(1,190)
ENVIRONMENTAL MITIGATION	LS			(1,060)
DEMOLITION	LS			(1,310)
SUBTOTAL				38,210
CONTINGENCY (5%)				1,910
TOTAL CONTRACT COST				40,120
SIOH (5.7%)				2,290
SUBTOTAL				42,410
DESIGN/BUILD - DESIGN COST				1,530
TOTAL REQUEST ROUNDED				43,940
TOTAL REQUEST				43,941
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5,398)
10. Description of Proposed Construction:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AD) MARINE CORPS BASE QUANTICO (C.A.LLOYD RANGE AREA) QUANTICO, VIRGINIA			4. Project Title Embassy Security Guard BEQ & Ops Facility	
5. Program Element 0216496M	6. Category Code 72125	7. Project Number P707	8. Project Cost (\$000) 43,941	
Constructs multi-story brick-faced, standing seam metal roof, cast stone detailed Georgian-style Bachelor Enlisted Quarters (BEQ)/company administrative facility. The BEQ/company administrative facility will provide the Marine Security Guard (MSG) Security Augment Unit (MSAU) Company 126 rooms or 252 man-spaces in the standard 2+0 room configuration (63 modules) with semi-private bathrooms and walk-in closets, operations offices, and armory. Community and service core areas consist of reception area with duty desk, laundry facilities, multi-purpose areas, administrative offices, and public restrooms. Constructs a low-rise brick-faced, standing seam metal roof, cast stone detailed Georgian-style administrative facility. The facility will provide the Marine Corps Embassy Security Guard (MCESG) Battalion administrative offices and an armory. Constructs a compound access control building. Project will provide a transformer substation to support MCESG complex area. 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. Built-in equipment includes casework, space saver weapons racks, reconfigurable wall system, and passenger/freight elevators. Special costs include post construction contract award services (PCAS), Georgian Architecture, geospatial survey & mapping services, and temporary facilities. Operations and maintenance support information (OMSI) is included in this project. 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. Special construction features include a Secure Compartmented Intelligence Facility.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AD) MARINE CORPS BASE QUANTICO (C.A.LLOYD RANGE AREA) QUANTICO, VIRGINIA			4. Project Title Embassy Security Guard BEQ & Ops Facility	
5. Program Element 0216496M	6. Category Code 72125	7. Project Number P707	8. Project Cost (\$000) 43,941	
Site preparation includes clearing, earthwork, stream clearing, and demolish pavement and storm sewer. Special foundation features include pile foundations. Paving and site improvements include concrete asphalt for road access, dumpster pad, perimeter fencing, gates, vehicle barrier system, pavers, sidewalks, landscaping, irrigation, flagpole, surface parking for approximately 190 vehicles, underground retention system, playing fields/courts, gazebo/grill, equipment washrack, and stormwater controls. Electrical utilities include fire alarms, energy saving electronic monitoring and control system, transformer substation, and information systems. Mechanical utilities include water lines, storm sewer, sanitary sewer lines, natural gas distribution, manholes, gravity sewers, and fire protection system. Environmental monitoring includes abate hazardous materials for demolition of Building #27266 and UXO screening and remediation. Project will demolish the BEQ/Administrative Building #27266 (2830 m2). 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. Intended Grade mix: 126 E5 Total: 126 persons Maximum utilization: 252 E1 - E3				
11. Requirement: <u>2,250 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs BEQ with 252 living spaces (126 personnel, 2 person rooms) using the 2+0 standard room design for enlisted personnel attached to MSAU. The BEQ will also contain MSAU administrative offices. This project will also construct a separate building for the MCESG. (New Mission)				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AD) MARINE CORPS BASE QUANTICO (C.A.LLOYD RANGE AREA) QUANTICO, VIRGINIA			4. Project Title Embassy Security Guard BEQ & Ops Facility	
5. Program Element 0216496M	6. Category Code 72125	7. Project Number P707	8. Project Cost (\$000) 43,941	
REQUIREMENT: Provides adequate administrative and billeting spaces that meet mission requirements of personnel attached to MCESG at MCB Quantico, Virginia.				
CURRENT SITUATION: The National Defense Authorization Act for FY 2013 and the Chris Stevens, Sean Smith, Tyrone Woods, and Glen Doherty Embassy Security and Personnel Protection Act of 2013 directed the expansion of MCESG by 1,000 additional Marines. While these Marines will be stationed at U.S. embassies and consulates worldwide, these Marines will add to the number of those trained at MCESG, resulting in increasing staff personnel to support and train them. This growth also includes the creation of the 135-person MSAU that will be collocated with and under the command of MCESG. The existing MCESG facilities cannot support this growth.				
IMPACT IF NOT PROVIDED: If these facilities are not provided, then support for this Congressional-mandated growth will be severely impacted. MSAU will operate out of inadequate, converted BEQ spaces. Enlisted personnel will be housed in billeting that does not meet the 2+0 standard. The MCESG increased support staff will be working in spaces not designed for the increased occupancy, impacting mission effectiveness.				
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 03/2014 (B) Date 35% Design or Parametric Cost Estimate complete 05/2014 (C) Date design completed 05/2016 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 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 No (B) Where design was previously used 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$1,310 (B) All other design costs \$440 (C) Total \$1,750 (D) Contract \$1,600 (E) In-house \$150 4. Contract award: 02/2016 5. Construction start: 06/2016				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																
3. Installation(SA)& Location/UIC: M00264(AD) MARINE CORPS BASE QUANTICO (C.A.LLOYD RANGE AREA) QUANTICO, VIRGINIA			4. Project Title Embassy Security Guard BEQ & Ops Facility																	
5. Program Element 0216496M	6. Category Code 72125	7. Project Number P707	8. Project Cost (\$000) 43,941																	
6. Construction complete: 07/2018 B. Equipment associated with this project which will be provided from other appropriations:																				
<table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral office equipment</td> <td>O&MMC</td> <td>2017</td> <td>4,898</td> </tr> <tr> <td>IT Equipment</td> <td>PMC</td> <td>2017</td> <td>500</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral office equipment	O&MMC	2017	4,898	IT Equipment	PMC	2017	500
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																	
Collateral office equipment	O&MMC	2017	4,898																	
IT Equipment	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. Joint Use is recommended.																				
Activity POC: Project Development Lead Phone No: 703-784-5490																				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264(AD) MARINE CORPS BASE QUANTICO (C.A.LLOYD RANGE AREA) QUANTICO, VIRGINIA			4. Project Title Embassy Security Guard BEQ & Ops Facility	
5. Program Element 0216496M	6. Category Code 72125	7. Project Number P707	8. Project Cost (\$000) 43,941	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Electrical Distribution Upgrade	
5. Program Element 0202176M	6. Category Code 81330	7. Project Number P714	8. Project Cost (\$000) 8,418	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ELECTRICAL DISTRIBUTION UPGRADE	LS			7,540
SWITCHING STATION CC81330	EA	1	3,457,902.88	(3,460)
UNDERGROUND ELECTRICAL DISTRIBUTION CC81232 (3,750LF)	m	1,143	3,450.6	(3,940)
SPECIAL COSTS	LS			(70)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
SUPPORTING FACILITIES				50
DEMOLITION	LS			(50)
SUBTOTAL				7,590
CONTINGENCY (5%)				380
TOTAL CONTRACT COST				7,970
SIOH (5.7%)				450
SUBTOTAL				8,420
TOTAL REQUEST ROUNDED				8,420
TOTAL REQUEST				8,418
10. Description of Proposed Construction:				
Replaces the existing Officer Candidate School (OCS) Transformer/Substation and the Larson's Gym transformer/substation with new containerized switchgear unit. The new switchgear unit will have modern apparatus that can communicate with the base supervisory control and data acquisition (SCADA) system so that power can be monitored for the distribution system serviced by the new switchgear. The switchgear unit will be climate controlled by an integral HVAC unit. This project also replaces the existing 5KV underground (UG) distribution system with a 15KV UG system. The new UG system will provide a loop feed to increase power reliability. The higher voltage will distribute the power more efficiently. Special costs include Post Construction Contract Award Services (PCAS). Project includes Operations and Maintenance Support Information (OMSI). 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				

1. Component NAVY		FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015	
3. Installation(SA)& Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Electrical Distribution Upgrade		
5. Program Element 0202176M		6. Category Code 81330	7. Project Number P714	8. Project Cost (\$000) 8,418	
Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate. Project will demolish the existing substation, transformers, and underground distribution system. 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: Adequate: Substandard: PROJECT: The containerized substation is required to replace existing obsolete substations at OCS and Larson's Gym areas. The containerized switchgear shall be climate controlled (HVAC). The new switchgear will allow the OCS distribution system to communicate with the base SCADA system to monitor energy. This project will also provide a loop feed or an alternative feed for OCS. This project replaces and disposes the existing transformer. (Current Mission) REQUIREMENT: Provide a safe and efficient electrical distribution system to OCS. Higher voltage distribution is more efficient. Conversion of existing 5 KV system to a 15 KV system will decrease line loss throughout the system. The new system will have a communications processor in it that will allow the energy manager to monitor the meters and electrical system remotely. CURRENT SITUATION: The existing protection and relaying equipment is thirty to forty years old, solid state components with analog outputs and no data logging capability. It cannot communicate over a SCADA network. Thus, the energy manager cannot "trend" or verify electric power consumption. The power distribution system is subject to outages which adversely affect the OCS operations. IMPACT IF NOT PROVIDED: Should the transformer fail, it will negatively impact the operational tempo of OCS. The electrical distribution system will continue to be vulnerable due to system components being beyond their useful life. DOD and Navy energy reduction goals will not be met.					
12. Supplemental Data: A. Estimated Design Data:					

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Electrical Distribution Upgrade	
5. Program Element 0202176M	6. Category Code 81330	7. Project Number P714	8. Project Cost (\$000) 8,418	
1. Status: (A) Date design or Parametric Cost Estimate started 09/2014 (B) Date 35% Design or Parametric Cost Estimate complete 12/2014 (C) Date design completed 09/2015 (D) Percent completed as of September 2014 0% (E) Percent completed as of January 2015 35% (F) Type of design contract Design Bid 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 \$200 (B) All other design costs \$700 (C) Total \$900 (D) Contract \$700 (E) In-house \$200 4. Contract award: 01/2016 5. Construction start: 03/2016 6. Construction complete: 03/2017 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 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: 703-784-5490				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA			4. Project Title Electrical Distribution Upgrade	
5. Program Element 0202176M	6. Category Code 81330	7. Project Number P714	8. Project Cost (\$000) 8,418	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N68436 NAVAL BASE KITSAP BANGOR, WASHINGTON					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.18		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	567	5617	2416	0	0	0	33	34	0	8667
	582	5758	2416	0	0	0	33	34	0	8823
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(6609 Acres)										
B. INVENTORY AS OF 30 SEP 2014										3,946,493
C. AUTHORIZATION NOT YET IN INVENTORY										804,163
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										34,177
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										932,198
H. GRAND TOTAL										5,717,031
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>			
21365	Regional Ship Maintenance Support Facility			04/2014	10/2015	1858 m2	12,753			
16910	WRA Land/Water Interface			01/2011	06/2015	0 LS	34,177			
						TOTAL	34,177			
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										2,650,567
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 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: N68436 NAVAL BASE KITSAP BANGOR, WASHINGTON		4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.18
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N68436(BA) NAVAL BASE KITSAP (BANGOR WA) BANGOR, WASHINGTON			4. Project Title Regional Ship Maintenance Support Facility	
5. Program Element 0712876N	6. Category Code 21365	7. Project Number P401	8. Project Cost (\$000) 12,753	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
REGIONAL SHIP MAINTENANCE SUPPORT FACILITY (19,999SF)	m2	1,858		9,220
REGIONAL SHIP MAINTENANCE SUPPORT FACILITY CC21365 (19,999SF)	m2	1,858	2,391	(4,440)
INFORMATION SYSTEMS	LS			(410)
ANTI-TERRORISM/FORCE PROTECTION	LS			(730)
BUILT-IN EQUIPMENT	LS			(780)
SPECIAL COSTS	LS			(2,770)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SUPPORTING FACILITIES				2,280
SPECIAL CONSTRUCTION FEATURES	LS			(60)
SITE PREPARATIONS	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(440)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
ELECTRICAL UTILITIES	LS			(650)
MECHANICAL UTILITIES	LS			(540)
DEMOLITION	LS			(330)
SUBTOTAL				11,500
CONTINGENCY (5%)				580
TOTAL CONTRACT COST				12,080
SIOH (5.7%)				690
SUBTOTAL				12,770
TOTAL REQUEST ROUNDED				12,770
TOTAL REQUEST				12,753
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,856)
10. Description of Proposed Construction:				
The Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 provided authorization for this project. However, the Military Construction and Veterans Affairs, and Related Agencies Appropriations Act, 2015 appropriated \$0 for this project. Regarding this				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N68436(BA) NAVAL BASE KITSAP (BANGOR WA) BANGOR, WASHINGTON			4. Project Title Regional Ship Maintenance Support Facility	
5. Program Element 0712876N	6. Category Code 21365	7. Project Number P401	8. Project Cost (\$000) 12,753	
project, the FY 2016 request is for appropriations only. Provides a low rise, steel-framed, blast-hardened, reinforced concrete masonry nuclear repair facility with sloped metal roof and shallow concrete foundations. The facility will include tool/equipment kitting, storage, light industrial areas, personnel support, classroom and administrative areas. 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. Built-in equipment includes a passenger/freight combination elevator, pure water tank and distribution system, crane assembly, cargo doors, staged nitrogen supply, tool air compressor and distribution system, weld exhaust system, walk-in vault and lightning protection. Special costs include post construction contract award services and Washington State gross receipts tax. In addition, this item includes security impacts 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. Project includes operations and maintenance support information. 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. The project includes necessary site preparation, paving and site improvements, electrical and mechanical utilities. Demolition includes the Nuclear Repair Building #7069 (509 m2) and temporary Nuclear Repair Buildings #T072-1 (45 m2), #T072-2 (45 m2), #T072-3 (45 m2), #T072-4 (45 m2), #T072-5 (45 m2), #T096 (22 m2), #T097 (28 m2), #T098 (60 m2), #T034 (134 m2) and #T060 (94 m2). Also included for demolition are three shipping containers, 45 m2 (not on plant account). These buildings will be demolished upon completion of this project as the functions they currently house will be consolidated into this project.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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5. Program Element 0712876N	6. Category Code 21365	7. Project Number P401	8. Project Cost (\$000) 12,753	
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.				
11. Requirement: <u>1,858 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs a regional ship maintenance support facility inside the WRA at Naval Base Kitsap Bangor, supporting fleet maintenance operations for all Pacific Fleet submarines. (Current Mission) REQUIREMENT: Each time a Pacific Fleet submarine returns from patrol, it requires a refit period for maintenance which includes propulsion-plant and non-propulsion-plant work. For the thirteen submarines homeported in Navy Region Northwest, Puget Sound Naval Shipyard & Intermediate Maintenance Facility (PSNS & IMF) provides all of the propulsion plant and non-propulsion plant related maintenance. Propulsion plant work is performed by the Nuclear Regional Maintenance Detachment (NRMD). The work includes major component and valve repair, processing all radioactive coolant, system testing, and performance of required preventive maintenance. Nuclear repair shop space is required for material receiving, inspection, storage and kitting, test panel manufacture, mockup and proficiency training, pre-fabrication of replacement piping assemblies, pre-fabrication of ship structures, staging of materials and repair and testing of components. Properly sized and configured facilities inside the WRA are required to: 1) Consolidate maintenance functions; 2) Absorb the increased workload realignment of submarine forces due to the increased naval presence required in Pacific theater; 3) Mitigate the negative impact of increased nuclear weapons security on maintenance operations; 4) Support increased future workload driven by the age of the fleet; 5) Provide maintenance facilities that are blast hardened for personnel working within explosive safety arcs; and 6) Enhance NRMD's ability to respond to emergencies on the Bangor waterfront. Facilities are needed in close proximity to the Delta Pier where submarines are berthed and the Controlled Industrial Facility (CIF), where radiological work is performed.				

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5. Program Element 0712876N	6. Category Code 21365	7. Project Number P401	8. Project Cost (\$000) 12,753	
The project is required due to a 26 percent increase in NRMD's workload. Primary drivers of the increased requirement are increasing age of ships, unplanned emergent work and operational tempo of the ships. CURRENT SITUATION: Existing nuclear repair shop functions are geographically dispersed by up to two miles. Since 11 September 2001 a security enclave with an entry control point (ECP) has been constructed around the Delta Pier. Wait times to transit the ECP have grown due to increasing security, submarine loading at the Delta Pier and compressed maintenance work schedules. The existing CIF, Building #7201, is located inside the security enclave at the head of the Delta Pier. Other functions are housed upland in facilities outside the enclave two miles away in six temporary and one permanent structure. Although the existing nuclear repair shop facilities are widely dispersed and separated by a security barrier, the same personnel perform work in the CIF and the upland facilities. NRMD personnel make approximately 446 person-trips per week between the waterfront/CIF and the upland/repair shops. Lost productivity due to travel and security transit times is estimated at approximately 2,800 man-days per year at a cost of approximately \$1.2M. Conditions are overcrowded and facilities lack laydown space, crane support, pure water, storage, office and waterfront support space. The existing facilities are located within explosive arcs and poses a life-safety risk to unprotected personnel. Six of the twelve trailers housing the primary production support elements located next to the CIF were replaced in February 2006 with temporary, relocatable, blast resistant modular units. Currently, PSNS & IMF personnel are operating inside this arc in permanent and make-shift facilities that include both blast and non-blast-resistant trailers and connex boxes. IMPACT IF NOT PROVIDED: Without this project PSNS & IMF will increase its reliance on temporary facilities in an attempt to support the mission which projects a 26 percent increase in workload and resulting 15 percent increase in core personnel. Congestion at the head of Delta Pier will continue as personnel and material needlessly attempt to navigate increasing nuclear weapons security measures. Fleet personnel will continue non-productive travel. Emergency shop personnel response teams are negatively impacted if personnel are working outside the WRA. Maintenance personnel operating in non-blast-				

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hardened facilities will continue to be exposed to explosive safety arcs.																								
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 04/2014 (B) Date 35% Design or Parametric Cost Estimate complete 02/2015 (C) Date design completed 10/2015 (D) Percent completed as of September 2014 25% (E) Percent completed as of January 2015 32% (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 N/A 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$800 (B) All other design costs \$400 (C) Total \$1,200 (D) Contract \$900 (E) In-house \$300 4. Contract award: 04/2016 5. Construction start: 06/2016 6. Construction complete: 05/2018 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th style="text-align: center;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Communications</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">206</td> </tr> <tr> <td>Furniture, Fixtures, Equipment</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">1,500</td> </tr> <tr> <td>PSE</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">150</td> </tr> </tbody> </table> 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					<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	OMN	2016	206	Furniture, Fixtures, Equipment	OMN	2016	1,500	PSE	OMN	2016	150
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																						
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>																					
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N68436(BA) NAVAL BASE KITSAP (BANGOR WA) BANGOR, WASHINGTON			4. Project Title WRA Land/Water Interface	
5. Program Element 0212176N	6. Category Code 15410	7. Project Number P983	8. Project Cost (\$000) 34,177	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WRA LAND/WATER INTERFACE	LS			13,690
ELEVATED FIXED FIGHTING POSITION BEACH CC87220	EA	2	1,595,000	(3,190)
ELEVATED FIXED FIGHTING POSITION PIER CC87220	EA	1	850,000	(850)
NORTH AND SOUTH ABUTMENTS CC15410 (11,033SF)	m2	1,025	7,070	(7,250)
ENCLAVE FENCING SYSTEM CC87210 (236LF)	m	72	2,708	(190)
SPECIAL COSTS	LS			(2,140)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
SUPPORTING FACILITIES				17,110
PAVING AND SITE IMPROVEMENTS	LS			(70)
ELECTRICAL UTILITIES	LS			(6,230)
ENV MITIGATION AND NECESSARY INTEREST IN LAND	LS			(10,810)
SUBTOTAL				30,800
CONTINGENCY (5%)				1,540
TOTAL CONTRACT COST				32,340
SIOH (5.7%)				1,840
SUBTOTAL				34,180
TOTAL REQUEST ROUNDED				34,180
TOTAL REQUEST				34,177
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5,389)
10. Description of Proposed Construction:				
Constructs three elevated fixed fighting positions providing overwatch for the waterfront restricted area (WRA) land/water interface (LWI) and abutments, which connect both ends of the WRA to the existing floating barriers. This project is in direct support of the Nuclear Weapons Security Program. The existing security enclave fencing system at both the north and south WRA interfaces will be extended to the waterfront shoreline and terminated with a pile supported abutment to interface with the floating barriers.				

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5. Program Element 0212176N	6. Category Code 15410	7. Project Number P983	8. Project Cost (\$000) 34,177	
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. Special costs include post construction contract award services (PCAS), Washington State gross receipts tax and unclassified controlled nuclear information production and handling costs to account for special production of plans and specifications, special handling and review time, control and storage of unclassified controlled nuclear information material. Also included are costs for security coordination and logistics, traffic mitigation and road closures, temporary fences and barriers, contractor productivity lost due to compliance with special work procedures (security screening), contractor delays due to emergency response and operational drills, special scheduling requirements, temporary offices and temporary laydown areas. Project includes operations and maintenance support information (OMSI). 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. Electrical utilities include camera towers, primary and secondary power, site lighting, grounding, lightning protection, communication distribution, electronic security system ductbank, transformers, electronic equipment enclosures, junction boxes, and field distribution boxes. Environmental mitigation in compliance with state and local law, includes sound mitigation to protect mammal, fish and water fowl, permits and monitoring, biological and archeological monitoring, diver support, 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. 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				

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5. Program Element 0212176N	6. Category Code 15410	7. Project Number P983	8. Project Cost (\$000) 34,177	
solutions satisfying the facility requirements with the goal of maximizing energy efficiency.				
11. Requirement: <u>1,025 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Provides significant security upgrades to the WRA at Bangor to meet current security requirements. (New Mission) REQUIREMENT: DoD and Navy security instructions established the criteria for level III WRA's and requires a security barrier around the WRA. Facilities to support these requirements have been submitted in a phased program scheduled to support the additional manning and equipment as they arrive to provide the earliest compliance. This project completes the program. This project also completes the WRA enclave fencing system (EFS), and closes the gap between the WRA EFS and the port security barrier. CURRENT SITUATION: The WRA does not fully comply with DoD and Navy security requirements. IMPACT IF NOT PROVIDED: Security requirements for strategic weapons along the waterfront will not be met and security will continue to be adversely impacted. Annual deviations from mandated security requirements will be required until the project is completed.				
12. Supplemental Data: A. Estimated Design Data: 1. Status: (A) Date design or Parametric Cost Estimate started 01/2011 (B) Date 35% Design or Parametric Cost Estimate complete 07/2014 (C) Date design completed 06/2015 (D) Percent completed as of September 2014 35% (E) Percent completed as of January 2015 60% (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 N/A 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$2,694 (B) All other design costs \$1,796 (C) Total \$4,490				

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5. Program Element 0212176N	6. Category Code 15410	7. Project Number P983	8. Project Cost (\$000) 34,177																									
(D) Contract \$3,770 (E) In-house \$720 4. Contract award: 01/2016 5. Construction start: 02/2016 6. Construction complete: 07/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment (SSP)</td> <td>OMN</td> <td>2017</td> <td>225</td> </tr> <tr> <td>Communication / Data Equipment (SSP)</td> <td>OPN</td> <td>2017</td> <td>35</td> </tr> <tr> <td>Physical Security Equipment (SSP)</td> <td>OPN</td> <td>2017</td> <td>1,870</td> </tr> <tr> <td>Security System (SSP)</td> <td>OPN</td> <td>2017</td> <td>3,259</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Collateral Equipment (SSP)	OMN	2017	225	Communication / Data Equipment (SSP)	OPN	2017	35	Physical Security Equipment (SSP)	OPN	2017	1,870	Security System (SSP)	OPN	2017	3,259
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>																										
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Security System (SSP)	OPN	2017	3,259																									
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: (202) 433-7140																												

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
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 Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	450	4034	11119	0	0	0	375	2012	0	17990
	422	4241	11119	0	0	0	375	2012	0	18169
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(1545 Acres)										
B. INVENTORY AS OF 30 SEP 2014										5,480,363
C. AUTHORIZATION NOT YET IN INVENTORY										804,163
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										22,680
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										38,999
G. REMAINING DEFICIENCY										211,396
H. GRAND TOTAL										6,557,601
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>			
21310	Dry Dock 6 Modernization & Utility Imprvmnts			04/2014	11/2015	19264 m2	22,680			
							TOTAL	22,680		
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
21370	Regional Maintenance Facility, Phase 2									21,055
21360	Abrasive Blast and Paint Work Center Consolidation									17,944
							TOTAL	38,999		
C. R&M Unfunded Requirement (\$000):										2,650,567
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 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Dry Dock 6 Modernization & Utility Imprvmnts	
5. Program Element 0703676N	6. Category Code 21310	7. Project Number P431	8. Project Cost (\$000) 22,680	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
DRY DOCK 6 MODERNIZATION & UTILITY IMPRVMENTS (207,356SF)	m2	19,264		11,620
DRY DOCK NO 6 CC21310 (207,356SF) (RENOVATE)	m2	19,264	151.75	(2,920)
INFORMATION SYSTEMS	LS			(60)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
BUILT-IN EQUIPMENT	LS			(6,220)
SPECIAL COSTS	LS			(2,270)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
SUPPORTING FACILITIES				8,820
SITE PREPARATIONS	LS			(360)
SPECIAL FOUNDATION FEATURES	LS			(180)
PAVING AND SITE IMPROVEMENTS	LS			(220)
ELECTRICAL UTILITIES	LS			(6,810)
MECHANICAL UTILITIES	LS			(1,250)
SUBTOTAL				20,440
CONTINGENCY (5%)				1,020
TOTAL CONTRACT COST				21,460
SIOH (5.7%)				1,220
SUBTOTAL				22,680
TOTAL REQUEST ROUNDED				22,680
TOTAL REQUEST				22,680
10. Description of Proposed Construction:				
Renovates and modernizes approximately 2,500 LF of the Dry Dock 6 service tunnel and service galleries with improvements to structural, industrial power and compressed air capabilities. Structural modifications include raising the service gallery walls. Provides industrial power and compressed air distribution at service gallery locations on both sides of Dry Dock 6 by expanding existing substations with new transformers, rerouting existing electrical services and installing mechanical services from a new compressed air facility. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in				

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5. Program Element 0703676N	6. Category Code 21310	7. Project Number P431	8. Project Cost (\$000) 22,680	
accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes air compressors with auxiliaries, associated motor controllers and electrical switchgear. Special costs include post construction contract award services (PCAS), Washington State gross receipts tax, costs for additional security in the controlled industrial area, station support, construction time lost for security personnel and vehicle inspections, traffic mitigation, remote laydown areas and shipyard operational delays. Project includes operations and maintenance support information (OMSI). 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. Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure. Mechanical utilities include a compressed air facility and distribution lines, water lines, steam lines, sanitary sewer lines, fire protection systems, storm water lines, natural gas and supply lines. 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>19,264 m2</u> Adequate: Substandard: PROJECT: Constructs a Dry Dock 6 industrial electrical power and compressed air distribution system and service gallery structural upgrade. (Current Mission) REQUIREMENT:				

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Complete aircraft carrier (CVN) depot level maintenance requirements have increased dramatically with impacts to manpower and utility demands since 2005. With an aging fleet of Nimitz-class carriers, Docking Planned Incremental Availability (DPIA) work volumes have seen an approximate increase of 100,000 man-days due to growing technical maintenance requirements and work package sizes with no extension of DPIA timeframes. A DPIA is a notional 11 month duration where the ship spends approximately eight months in drydock to permit phased maintenance on hull/internal components that cannot be worked and/or accessed (without significant additional cost) while waterborne. Examples are propeller and rudder work, exterior line shaft bearings/stave work, hull chest work, underwater hull husbandry and inner bottom tank/voids. Raising the gallery wall increases the number of days available for CVN and submarine docking/undocking evolutions and submarines (in 2013 there were 162 days with docking restrictions) thereby minimizing carrier and submarine availability time in dry dock and increasing operational availability. Delays to dry docking a ship costs in excess of \$1 million per day. Dry Dock 6 must be configured to eliminate worst case scenarios to mitigate potential operational availability delays and safety concerns with utility damages. CURRENT SITUATION: The only CVN capable drydock (Dry Dock 6) in the Pacific theater is located here and was constructed in 1962 at the beginning of the nuclear powered surface ship era. Dry Dock 6 power and compressed air deficiencies are addressed by using six Mobile Utilities Support Equipment (MUSE) units and five large diesel powered air compressors to meet shipyard and contractor demands working in conjunction with each other to meet mission schedules. Additionally, each of these units occupy valuable space in and around the dry dock which limits personnel, forklift, material and other vehicle movement increasing Operational Safety and Health Administration safety issues that arise from working in cramped conditions. The current Dry Dock 6 service gallery configuration does not allow dry docking capability for planned and emergent availabilities in the event of extreme tide conditions. Extreme tides overflow the service gallery barriers and flood the mechanical and electrical service tunnels providing utility support to the dry dock. IMPACT IF NOT PROVIDED:				

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3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Dry Dock 6 Modernization & Utility Imprvmnts	
5. Program Element 0703676N	6. Category Code 21310	7. Project Number P431	8. Project Cost (\$000) 22,680	
If the current situation continues at Dry Dock 6, the Navy risks losing CVN, SSN, SSBN, SSGN planned and emergent readiness. Availabilities will be limited in dry docking capability and continue to experience significant damage to utilities in the case of emergent extreme tide operations. Depot level maintenance schedules and cost will continue to be realized in the form of increased equipment maintenance demands and loss time due to accidents, unscheduled outages and inefficient personnel, material and vehicle movements caused by the congestion of temporary MUSE units and diesel air compressor placement around the drydock.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started	04/2014			
(B) Date 35% Design or Parametric Cost Estimate complete	09/2014			
(C) Date design completed	11/2015			
(D) Percent completed as of September 2014	35%			
(E) Percent completed as of January 2015	50%			
(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	\$2,100			
(B) All other design costs	\$500			
(C) Total	\$2,600			
(D) Contract	\$2,300			
(E) In-house	\$300			
4. Contract award:	02/2016			
5. Construction start:	03/2016			
6. Construction complete:	05/2017			
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.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Dry Dock 6 Modernization & Utility Imprvmnts	
5. Program Element 0703676N	6. Category Code 21310	7. Project Number P431	8. Project Cost (\$000) 22,680	
Activity POC: Project Development Lead Phone No: 360-627-4742				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N68436(SY) NAVAL BASE KITSAP (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON			4. Project Title Dry Dock 6 Modernization & Utility Imprvmnts	
5. Program Element 0703676N	6. Category Code 21310	7. Project Number P431	8. Project Cost (\$000) 22,680	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015		
3. Installation and Location: N61066 CNI NAVMAG INDIAN ISLAND INDIAN ISLAND, WASHINGTON				4. Command Commander Navy Installations Command		5. Area Const Cost Index 1.18			
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT		TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
7. INVENTORY DATA (\$000)									
A. TOTAL ACREAGE ..(2716 Acres)									
B. INVENTORY AS OF 30 SEP 2014								335,932	
C. AUTHORIZATION NOT YET IN INVENTORY								0	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM								4,472	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM								0	
F. PLANNED IN NEXT THREE PROGRAM YEARS								21,814	
G. REMAINING DEFICIENCY								67,530	
H. GRAND TOTAL								429,748	
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>				
* 81231	Shore Power to Ammunition Pier	09/2013	07/2015	0 LS	4,472				
				TOTAL	4,472				
9. Future Projects:									
A. Included In The Following Program:									
B. Major Planned Next Three Years:									
42172 Missile Magazines								21,814	
								TOTAL	21,814
C. R&M Unfunded Requirement (\$000):								83,095	
10. Mission or Major Functions:									
NAVMAG Indian Island functions as the ordnance management center for fleet and shore stations in the Pacific Northwest Region. Provides quality and responsive logistics, technical and material support in the areas of retail ammunition management, and ordnance system components maintenance. Provides technical support of ordnance and ordnance-related equipment and processes, and logistics management as the only active breakbulk and containerized ordnance transshipment port in support of the joint services of the Pacific command.									
11. Outstanding Pollution and Safety Deficiencies (\$000):									
A. Pollution Abatement(*):								4,472	
B. Occupational Safety and Health(OSH)(#):								0	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N61066 CNI NAVMAG INDIAN ISLAND INDIAN ISLAND, WASHINGTON	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.18

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61066 CNI NAVMAG INDIAN ISLAND INDIAN ISLAND, WASHINGTON			4. Project Title Shore Power to Ammunition Pier	
5. Program Element 0712776N	6. Category Code 81231	7. Project Number P603	8. Project Cost (\$000) 4,472	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SHORE POWER TO AMMUNITION PIER	LS			2,410
ELECTRICAL SUBSTATION CC81320	EA	1	795,301.94	(800)
ELECTICAL DISTRIBUTION CC81231 (25,312LF)	m	7,715	166.7	(1,290)
SPECIAL COSTS	LS			(290)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(30)
SUPPORTING FACILITIES				1,630
SITE PREPARATIONS	LS			(660)
SPECIAL FOUNDATION FEATURES	LS			(60)
PAVING AND SITE IMPROVEMENTS	LS			(210)
ELECTRICAL UTILITIES	LS			(470)
ENVIRONMENTAL MITIGATION	LS			(230)
SUBTOTAL				4,040
CONTINGENCY (5%)				200
TOTAL CONTRACT COST				4,240
SIOH (5.7%)				240
SUBTOTAL				4,480
TOTAL REQUEST ROUNDED				4,480
TOTAL REQUEST				4,472
10. Description of Proposed Construction:				
Constructs an electrical power distribution system from the local utility to the ammunition pier and upgrades a segment of the on-base existing electrical power distribution system. Installation of the distribution system will be a combination of above ground and below ground cables depending on the terrain and to minimize the impact on the environment. Provides a permanent substation. 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. Special costs include post construction contract award services, Washington State gross receipts tax, station contract support/outage coordination and				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																														
3. Installation(SA)& Location/UIC: N61066 CNI NAVMAG INDIAN ISLAND INDIAN ISLAND, WASHINGTON			4. Project Title Shore Power to Ammunition Pier																															
5. Program Element 0712776N	6. Category Code 81231	7. Project Number P603	8. Project Cost (\$000) 4,472																															
When the ammunition pier was built in 1979, nuclear powered vessels did not require shore power during weapons handling evolutions. Dedicated shore power is not available. Currently, shore power is provided to the submarines using leased diesel-powered generators and is not reliable. Generator availability is set by EPA regulated emissions and Regional Air Quality Control Board permits set to expire on 30 September 2016. Submarines are currently vulnerable to power drops that jeopardize both personnel and equipment. Current and estimated costs to lease and operate the generators are over \$580,000 per year for 2013 through 2015, with the lease costs increasing to over \$1.3 million per year in 2016. IMPACT IF NOT PROVIDED: Current EPA permit is unlikely to be renewed. The issuance of the permit in 2012 was conditional on this project being completed in April 2017. If the EPA permit is not renewed then the leased generators will have to be removed or the Navy will face possible EPA fines.																																		
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>02/2015</td> </tr> <tr> <td>(C) Date design completed</td> <td>07/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>10%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>20%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$450</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$50</td> </tr> <tr> <td>(C) Total</td> <td>\$500</td> </tr> <tr> <td>(D) Contract</td> <td>\$425</td> </tr> <tr> <td>(E) In-house</td> <td>\$75</td> </tr> </table> 4. Contract award: 01/2016 5. Construction start: 02/2016 6. Construction complete: 04/2017 B. Equipment associated with this project which will be provided from other appropriations: NONE JOINT USE CERTIFICATION:					(A) Date design or Parametric Cost Estimate started	09/2013	(B) Date 35% Design or Parametric Cost Estimate complete	02/2015	(C) Date design completed	07/2015	(D) Percent completed as of September 2014	10%	(E) Percent completed as of January 2015	20%	(F) Type of design contract	Design Bid Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No	(B) Where design was previously used	N/A	(A) Production of plans and specifications	\$450	(B) All other design costs	\$50	(C) Total	\$500	(D) Contract	\$425	(E) In-house	\$75
(A) Date design or Parametric Cost Estimate started	09/2013																																	
(B) Date 35% Design or Parametric Cost Estimate complete	02/2015																																	
(C) Date design completed	07/2015																																	
(D) Percent completed as of September 2014	10%																																	
(E) Percent completed as of January 2015	20%																																	
(F) Type of design contract	Design Bid Build																																	
(G) Parametric Estimate used to develop cost	No																																	
(H) Energy Study/Life Cycle Analysis performed	No																																	
(A) Standard or Definitive Design	No																																	
(B) Where design was previously used	N/A																																	
(A) Production of plans and specifications	\$450																																	
(B) All other design costs	\$50																																	
(C) Total	\$500																																	
(D) Contract	\$425																																	
(E) In-house	\$75																																	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61066 CNI NAVMAG INDIAN ISLAND INDIAN ISLAND, WASHINGTON			4. Project Title Shore Power to Ammunition Pier	
5. Program Element 0712776N	6. Category Code 81231	7. Project Number P603	8. Project Cost (\$000) 4,472	
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: (360) 396-5268				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N63005 NAVSUPPACT BAHRAIN SW ASIA, BAHRAIN ISLAND	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.76

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Ship Maintenance Support Facility	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P970	8. Project Cost (\$000) 52,091	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SHIP MAINTENANCE SUPPORT FACILITY (112,629SF)	m2	10,463.57		32,450
MAINTENANCE ADMIN BUILDING CC21352 (67,135SF)	m2	6,237	3,174.29	(19,800)
WAREHOUSE OPERATIONAL STORAGE FACILITY CC44110 (45,494SF)	m2	4,226.57	2,644.21	(11,180)
BUILT-IN EQUIPMENT	LS			(820)
SPECIAL COSTS	LS			(650)
SUPPORTING FACILITIES				12,520
SPECIAL CONSTRUCTION FEATURES	LS			(270)
PAVEMENT FACILITIES	LS			(910)
SITE PREPARATIONS	LS			(340)
SPECIAL FOUNDATION FEATURES	LS			(1,200)
PAVING AND SITE IMPROVEMENTS	LS			(400)
ANTI-TERRORISM/FORCE PROTECTION	LS			(5,020)
ELECTRICAL UTILITIES	LS			(2,860)
MECHANICAL UTILITIES	LS			(1,520)
SUBTOTAL				44,970
CONTINGENCY (5%)				2,250
TOTAL CONTRACT COST				47,220
SIOH (6.5%)				3,070
SUBTOTAL				50,290
DESIGN/BUILD - DESIGN COST				1,800
TOTAL REQUEST ROUNDED				52,090
TOTAL REQUEST				52,091
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5,407)
10. Description of Proposed Construction: Project constructs a multi-story maintenance/administration building. The building consists of reinforced concrete roof, walls, and floors and is supported on pile foundation. The facility provides administrative, industrial and management support spaces, marine maintenance and shop areas, operational storage including limited hazmat storage, and a Mission Module Readiness Center (MMRC).				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Ship Maintenance Support Facility	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P970	8. Project Cost (\$000) 52,091	
Project constructs a single story high-bay warehouse/operational storage facility. The building consists of reinforced concrete roof, walls, and floors and is supported on pile foundation. The MMRC provides dedicated storage and pre-staging for double-stacked twenty-foot equivalent units, Operations/Installation (O/I) maintenance and Mission Package (MP) assembly/testing. Project also constructs separate exterior covered and uncovered staging and lay down areas. Built-in equipment includes converters for special power; 28 VDC, 400 Hertz electrical power as well as 60 Hertz power (shore power in Bahrain is 50 Hertz) as well as a passenger/freight elevator and high bay bridge crane. Special costs include Post Construction Award Services and a structural premium to allow for a 20 ton crane system. 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. Pavement and site improvements include paved areas for open laydown and staging areas, stormwater drainage and a security fence around the facility perimeter area with combination pedestrian/truck gate. Electrical utilities include high voltage electrical and fiber optic communication cable and ductbank infrastructure, and a substation (which includes switchgear and transformer). Electrical utilities also include power distribution system for lighting, cables, transformer, ventilation, equipment testing and charging, telephone and communication networks. Mechanical systems include plumbing, ventilation, air conditioning, water distribution lines, fire protection/suppression system, and sanitary sewer. Anti-terrorism / Force Protection (AT/FP) measures shall be incorporated into the structural design in accordance with combatant commander's requirements. Premium hardening for windows & doors will be required for this facility based on the large design blast loads for Bahrain and limited standoffs provided. DON has sufficient real estate interest to support construction.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Ship Maintenance Support Facility	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P970	8. Project Cost (\$000) 52,091	
11. Requirement: <u>10,645 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: This project constructs a new waterfront Ship Maintenance Support Facility on Naval Support Activity (NSA) II at Mina Salman. (Current Mission) REQUIREMENT: A dedicated and efficiently configured joint waterfront facility with adequate staging and laydown area is required to provide seaframe maintenance, mission module sustainment and exchange, crew exchange, and Littoral Combat Ship (LCS) Squadron detachment command and control support for forward deployed LCS mission, maintenance and repair to combatant and patrol craft, and permanent intermediate level maintenance support to service and maintain homeported vessels, Forward Deployed Naval Forces ships, deployed vessels operating out of Bahrain, and deploying ships who use NSA Bahrain for maintenance and logistics. The presence of homeported vessels, forward deployed ships, and deployed vessels operating out of Bahrain has doubled since 2012. As a result, maintenance personnel and facility requirements have increased to support current and future operations of Fifth Fleet ships. Up to sixteen vessels will be homeported in Bahrain with an average of thirty deployed ships operating within the AOR utilizing NSA Bahrain for operations, maintenance and logistics. This operational tempo requires an efficient waterfront ship maintenance support facility capable of handling both rotationally deployed LCS seaframe with three mission packages as well as a permanent intermediate level maintenance resources for all other surface Navy vessels and limited submarine support. This facility is designed to support the enduring maritime mission in the region rather than specific platforms transitioning in and out of theater. The construction of this facility will address the lack of waterfront facilities that impact mission readiness, provide long term sustainment for combatant and patrol craft, and materially prepare the Bahrain waterfront for the arrival of the LCS, slated for first deployment to Commander Fifth Fleet (C5F) in 2018. CURRENT SITUATION: Maintenance providers do not have adequate workspace or warehousing in proximity to the waterfront. They currently occupy space either at Banz (NSA I) or alternative locations at Mina Salman and cannot support the increase in personnel and direct mission support. In addition, the Host Nation Ports and Maritime Authority has requested that the Navy vacate Shed 2 at Mina Salman, further limiting available space in the vicinity of the				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Ship Maintenance Support Facility	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P970	8. Project Cost (\$000) 52,091	
NSA II waterfront for ship service support. Temporary facilities will have to be provided through Installation and Navy Region funding, until the completion of the permanent facility at Mina Salman which this project provides. IMPACT IF NOT PROVIDED: If this project is not provided, full forward sustainment support for LCS will not be met critically impacting operations in the Arabian Gulf. The mission providing sustained combatant and patrol craft support to the CENTCOM commander will not be met.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				04/2013
(B) Date 35% Design or Parametric Cost Estimate complete				05/2014
(C) Date design completed				05/2016
(D) Percent completed as of September 2014				5%
(E) Percent completed as of January 2015				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				No
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,000
(B) All other design costs				\$150
(C) Total				\$2,150
(D) Contract				\$2,000
(E) In-house				\$150
4. Contract award:				01/2016
5. Construction start:				06/2016
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 Approp</u>		
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	
CCTV Intrusion Detection, secure room (SPAWAR)	OPN	2018	225	
Collateral Equipment (CNIC)	OMN	2018	1,876	
Information system (CNIC)	OPN	2018	228	
Ship Support equipments	OPN	2018	2,500	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Ship Maintenance Support Facility	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P970	8. Project Cost (\$000) 52,091	
Storage shelving units, racks, cbinets OMN 2018 579 (CNIC)				
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: 318-439-4500				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Ship Maintenance Support Facility	
5. Program Element 0212176N	6. Category Code 14377	7. Project Number P970	8. Project Cost (\$000) 52,091	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Mina Salman Pier Replacement	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P976	8. Project Cost (\$000) 37,700	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MINA SALMAN PIER REPLACEMENT (100,137SF)	m2	9,303		27,250
PIER REPLACEMENT CC15120 (100,137SF)	m2	9,303	2,645.04	(24,610)
INFORMATION SYSTEMS	LS			(110)
BUILT-IN EQUIPMENT	LS			(1,970)
SPECIAL COSTS	LS			(480)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(80)
SUPPORTING FACILITIES				5,300
SPECIAL CONSTRUCTION FEATURES	LS			(780)
ANTI-TERRORISM/FORCE PROTECTION	LS			(150)
ELECTRICAL UTILITIES	LS			(2,060)
MECHANICAL UTILITIES	LS			(230)
DEMOLITION	LS			(1,620)
DREDGING	LS			(460)
SUBTOTAL				32,550
CONTINGENCY (5%)				1,630
TOTAL CONTRACT COST				34,180
SIOH (6.5%)				2,220
SUBTOTAL				36,400
DESIGN/BUILD - DESIGN COST				1,300
TOTAL REQUEST ROUNDED				37,700
TOTAL REQUEST				37,700
10. Description of Proposed Construction:				
Provides 305 meters (1000 LF) of pile supported steel pier at the end of the Mina Salman pier (Berths 7-10). The pier width will match the existing 100-foot width of the inboard Mina Salman pier (Berths 1-6) and the length provided will meet the overall berthing demand and the required explosive safety arcs for ammunition handling. The pier structure will be protected with a cathodic protection system and a seawater resistant coating. The pier will include communications, lighting, lightning protection, fire protection, utilities to support pier lighting and fire protection systems, utility chases to support temporary utilities and husbandry services, and				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Mina Salman Pier Replacement	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P976	8. Project Cost (\$000) 37,700	
ATFP measures. Built-in Equipment includes a generator, pier fendering, mooring hardware, corner protection at the head of the pier, and a pier access ramp to provide access to the pier from the existing concrete Mina Salman pier. Special costs include Post Construction Contract Award Services (PCAS) and costs for permit and host nation coordination. Information systems include basic telephone, computer network, fiber optic, cable television, security, fire alarm systems and infrastructure. Operations and Maintenance Support Information (OMSI) is included in the project. Special Construction Features include a pier deck coating to be applied to the steel deck surface. Electrical utilities include high-mast lightning protection and pier electrical distribution. This project will provide Anti-terrorism/Force Protection (ATFP) features and complies with ATFP regulations and physical security mitigation in accordance with DoD standards. ATFP measures include access control equipment and infrastructure and a guard post at the foot of the pier and a guard facility at the head of the pier. Demolition includes 9,303 square meters of steel jack-up barge structure (Berths 7-10) to include piles and miscellaneous equipment and structures on the pier deck. The pier is being demolished due to its deteriorated state and in order to clear the site for this project. Dredging includes dredging of Berths 7-10 to the required dredge depth of 11.3 meters and the navigational approach to the pier from the approach channel. It also includes the disposal of all dredging material. DON will obtain sufficient real estate interest in FY2015.				
11. Requirement: <u>9,303 m2</u> Adequate: Substandard: PROJECT: Demolishes four steel jack-up barges and provides a replacement pile-supported steel pier at the end of the Mina Salman pier (Berths 7-10).				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Mina Salman Pier Replacement	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P976	8. Project Cost (\$000) 37,700	
(Current Mission) REQUIREMENT: NSA Bahrain requires berthing with required draft depth for homeported, forward deployed, and visiting ships. Berths 1 and 7- 10 on the pier and Berths 15 and 16 on Quay A meets approximately 80 percent of the berthing requirement, providing most of the berthing space for the ships that use this port. However, the water depth at Berths 7 - 10 must be sufficient for submarines, cruisers and destroyers which must now berth at commercial piers at Khalifa Bin Salman Port (KBSP). In addition, this section of pier is used to transfer weapons from one ship to another. The transfer of these weapons cannot be performed at sea. These weapon transfers occur at least once a quarter and are required to complete operations. The end of the pier is also the only berthing location that provides the appropriate standoff distances of the Explosive Safety Quantity Distances (ESQD) arcs needed during the weapons transfer operations. CURRENT SITUATION: In June 2012, the four jack-up barges at the end of the existing pier were operationally condemned due to severe deterioration. The loss of these barges creates a pier deficit of 1,000 feet and a berthing deficit of 2,000 feet. With the loss of the berthing space, a special ESQD waiver is required to allow the weapons transfer to take place at the KBSP. This pier is used by the cruise ships that visit Bahrain as well as other Bahraini port operations. As such, the waiver requires that weapons transfers are restricted to periods when the cruise ships are not in port and when other Bahraini pier operations are at a minimum. This restriction requires careful scheduling and communications to complete transfer operations in a timely manner. In addition, the general berthing for the U. S. ships at NSA Bahrain is limited. To address this shortage and the ship to shore operations, the ships must make more frequent movements in and out of the port to share the limited amount of berthing available. If the appropriate amount of berthing space were available, all of the ships could remain berthed while simultaneously completing ship-to-shore operations. The ESQD is done on an event-by-event basis. So each time a transfer is scheduled to occur, an ESQD event waiver must be provided. Since the draft of the submarines, cruisers, or destroyers is deeper than the available draft at these piers, NSA Bahrain currently can not host these ships at Mina Salman. These ships must now berth at KBSP, but only when space is available. In addition, the Bahraini commercial interests will always take precedence over the Navy at KBSP further restricting ship				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Mina Salman Pier Replacement	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P976	8. Project Cost (\$000) 37,700	
to shore operations at NSA Bahrain. When these ships are in port, NSA must transport cargo and personnel back and forth between NSA Bahrain and KBSP. The round trip travel is approximately 90 minutes, which is significant, especially when multiplied times the number of trips to support every ship at the KBSP in a year, plus the cost of needed additional security and lost productivity. The route of this trip also passes through one of the most congested sections of city and port which adds to frustration for all motorists. The Mina Salman finger pier has been the primary facility for berthing U.S. and Coalition vessels for over 30 years. Maintenance and repair of the pier has been inconsistent over time and has been virtually non-existent since the Government of Bahrain moved their port operations from Mina Salman to KBSP. IMPACT IF NOT PROVIDED: NSA Bahrain will be restricted or limited in being able to support the full berthing for home ported, forward deployed, and visiting ships. Additionally, NSA Bahrain will not be able to support ammunition loading/unloading operations.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started	10/2014			
(B) Date 35% Design or Parametric Cost Estimate complete	12/2015			
(C) Date design completed	07/2016			
(D) Percent completed as of September 2014	5%			
(E) Percent completed as of January 2015	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	No			
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications	\$1,500			
(B) All other design costs	\$1,000			
(C) Total	\$2,500			
(D) Contract	\$2,000			
(E) In-house	\$500			
4. Contract award:	04/2016			
5. Construction start:	07/2016			
6. Construction complete:	05/2018			

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Mina Salman Pier Replacement	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P976	8. Project Cost (\$000) 37,700	
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. Joint Use is recommended. Activity POC: Project Development Lead Phone No: 318-439-4500				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N63005(MS) NAVSUPPACT BAHRAIN (MINA SULMAN PIER AREA) SW ASIA, BAHRAIN ISLAND			4. Project Title Mina Salman Pier Replacement	
5. Program Element 0203176N	6. Category Code 15120	7. Project Number P976	8. Project Cost (\$000) 37,700	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM					4. Command Commander Navy Installations Command			5. Area Const Cost Index 2.32		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	446	2965	1314	0	0	0	71	544	0	5340
	442	2624	1314	0	0	0	71	544	0	4995
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(21030 Acres)										
B. INVENTORY AS OF 30 SEP 2014										9,077,614
C. AUTHORIZATION NOT YET IN INVENTORY										461,831
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										45,314
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										180,657
F. PLANNED IN NEXT THREE PROGRAM YEARS										745,975
G. REMAINING DEFICIENCY										6,792,811
H. GRAND TOTAL										17,304,202
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>			
83210	Sanitary Sewer System Recapitalization	09/2013		05/2016		0 LS	45,314			
TOTAL									45,314	
9. Future Projects:										
A. Included In The Following Program:										
81232	Power Upgrade, Harmon									33,926
84110	Water, Phase 1									49,758
14323	EOD Operations Facilities									36,368
15260	X-Ray Wharf Improvements (Berth 2)									55,412
85110	Public Route 5 Repairs									5,193
TOTAL									180,657	
B. Major Planned Next Three Years:										
84110	Water, Phase 2									58,828
85110	Defense Access Roads									11,881
21410	4th Marines Reg Fac									32,378
21810	CLB-4 Facilities									122,141
14345	Consolidated Armory									20,963
61073	Law Enforcement Battalion Company									15,416
21410	GCE INF BN 1 Facilities									22,501
61010	GCE - INF BN HQ #1									27,128
12310	Central Fuel Station									11,526
42510	Ammo COnTainer Handling Facility									15,651
13115	IT/Comm, Phase 3									68,992
74043	ACE Gym and Dinning									23,797
44110	Distribution Warehouse									54,891
21103	Corrosion Control, Ground, Phase 1									47,997
61010	MEB Enablers									15,430

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM		4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.32
21410 GCE INF BN #2 Facilities			22,951
17710 CBRNE Training			6,576
17710 High Hazard Impact Area			12,924
92210 Lease - Pagan			58,828
21677 Artillery Battery			30,494
14324 9th ESB EOD			7,485
73061 Middle School Expansion			31,491
21154 AAV/LAR/CEB Maintenance			25,706
		TOTAL	745,975
C. R&M Unfunded Requirement (\$000):			1,610,378
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Sanitary Sewer System Recapitalization	
5. Program Element 0702776N	6. Category Code 83210	7. Project Number P535	8. Project Cost (\$000) 45,314	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SANITARY SEWER SYSTEM RECAPITALIZATION	LS			33,990
REHAB SEWER LINES (CC83210)	LS			(9,710)
REPLACE SEWER LINES (CC83210)	LS			(16,840)
REPAIR & MODERNIZE LIFT STATION COMPONENTS (83210)	LS			(3,590)
SPECIAL COSTS	LS			(3,360)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(490)
SUPPORTING FACILITIES				5,250
SITE PREPARATIONS	LS			(1,160)
PAVING AND SITE IMPROVEMENTS	LS			(140)
ENVIRONMENTAL MITIGATION	LS			(3,950)
SUBTOTAL				39,240
CONTINGENCY (5%)				1,960
TOTAL CONTRACT COST				41,200
SIOH (6.2%)				2,550
SUBTOTAL				43,750
DESIGN/BUILD - DESIGN COST				1,570
TOTAL REQUEST ROUNDED				45,320
TOTAL REQUEST				45,314
10. Description of Proposed Construction:				
Rehabilitates and replaces sewer lines and manholes and repairs and modernizes sewer lift station components.				
Special costs include Post Construction Contract Award Services (PCAS), traffic mitigation, dewatering, archaeological monitoring and Guam Gross Receipts Tax.				
Operations and Maintenance Support Information (OMSI) is included in this project.				
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				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																
3. Installation(SA)& Location/UIC: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Sanitary Sewer System Recapitalization																	
5. Program Element 0702776N	6. Category Code 83210	7. Project Number P535	8. Project Cost (\$000) 45,314																	
The EPA has determined that the deterioration of the 60-year old wastewater collection system compromises secondary treatment, with infiltration and inflow detrimentally effecting removal rates, sewer system failures causing spills, and equipment failures impairing operations. The Navy completed a condition and capacity assessment that verified the deteriorated condition of much of the collection system. In the Main Base, Polaris Point, and Naval Magazine areas, the Naval Base's sewer system consists of approximately 270,000 linear feet of sewer lines and 22 sewage lift stations. Wastewater is conveyed to the Apra Harbor Wastewater Treatment Plant (WWTP) located in a central area on the Main Base. The WWTP typically undergoes increased loading during the wet season. Design and peak capacities are 4.3 million gallons per day (MGD) and 6.0 MGD, respectively. Dry season average daily flows are approximately 2.75 to 3.71 MGD. Wet season average daily flows are approximately 2.2 to 10.6 MGD indicating significant pipe damage and infiltration of stormwater into the wastewater treatment collection system, and, therefore, wastewater leakage out of the system as well. IMPACT IF NOT PROVIDED: Failure to provide the necessary repairs and upgrades to the wastewater collection system's existing deficiencies will result in inadequate flow through inadequately sized pipes, increased infiltration into the sewage pipes and higher costs for treatment. Backups and overflows of sewage that can result in environmental and health hazards to Navy personnel. High rainfall events on Guam increase stormwater infiltration into the wastewater collection system causing further erosion and damage to the pipes and increased stress on worn lift station pumps.																				
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>03/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>15%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis:					(A) Date design or Parametric Cost Estimate started	09/2013	(B) Date 35% Design or Parametric Cost Estimate complete	03/2014	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	15%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy Study/Life Cycle Analysis performed	No
(A) Date design or Parametric Cost Estimate started	09/2013																			
(B) Date 35% Design or Parametric Cost Estimate complete	03/2014																			
(C) Date design completed	05/2016																			
(D) Percent completed as of September 2014	5%																			
(E) Percent completed as of January 2015	15%																			
(F) Type of design contract	Design Build																			
(G) Parametric Estimate used to develop cost	Yes																			
(H) Energy Study/Life Cycle Analysis performed	No																			

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61755 NAVBASE GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Sanitary Sewer System Recapitalization	
5. Program Element 0702776N	6. Category Code 83210	7. Project Number P535	8. Project Cost (\$000) 45,314	
(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 \$773 (B) All other design costs \$1,159 (C) Total \$1,932 (D) Contract \$1,611 (E) In-house \$321 4. Contract award: 03/2016 5. Construction start: 06/2016 6. Construction complete: 03/2018 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 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: 361-333-1320				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015			
3. Installation and Location: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM				4. Command Commander Navy Installations Command		5. Area Const Cost Index 2.32				
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	213	2349	122	0	0	0	0	0	0	2684
	216	2355	122	0	0	0	0	0	0	2693
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(14548 Acres)										
B. INVENTORY AS OF 30 SEP 2014										6,931,603
C. AUTHORIZATION NOT YET IN INVENTORY										274,599
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										136,454
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										574,932
H. GRAND TOTAL										7,917,588
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>					
* 83315	Municipal Solid Waste Landfill Closure	09/2013	09/2015	4 ha	10,777					
17150	Live-Fire Training Range Complex (NW Field)	02/2014	05/2016	0 LS	125,667					
					TOTAL	136,454				
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										936,088
10. Mission or Major Functions:										
As the host unit at Andersen Air Force Base (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. Andersen Air Force Base will also support elements of III Marine Expeditionary Force (1st Marine Aircraft Wing units).										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										10,777
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM	4. Command Commander Navy Installations Command	5. Area Const Cost Index 2.32	

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Municipal Solid Waste Landfill Closure	
5. Program Element 0702776N	6. Category Code 83315	7. Project Number P635	8. Project Cost (\$000) 10,777	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MUNICIPAL SOLID WASTE LANDFILL CLOSURE (9AC)	ha	3.6		7,870
LANDFILL CAPPING SYSTEM CC83315 (9AC)	ha	3.6	2,028,556	(7,300)
SPECIAL COSTS	LS			(530)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(40)
SUPPORTING FACILITIES				1,800
SITE PREPARATIONS	LS			(170)
PAVING AND SITE IMPROVEMENTS	LS			(490)
MECHANICAL UTILITIES	LS			(1,140)
SUBTOTAL				9,670
CONTINGENCY (5%)				480
TOTAL CONTRACT COST				10,150
SIOH (6.2%)				630
SUBTOTAL				10,780
TOTAL REQUEST ROUNDED				10,780
TOTAL REQUEST				10,777
10. Description of Proposed Construction:				
Provides a landfill closure capping system for the municipal solid waste landfill area. The landfill closure capping system includes a final cover system, passive landfill gas venting system, final cover slope protection drainage system, upgrades to the leachate system, and an all-weather access road with lined drainage swale. Special costs include post construction contract award services (PCAS) and Guam Gross Receipts Tax. Project includes operations and maintenance support information (OMSI). 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. Mechanical utilities include groundwater monitoring wells, a perimeter				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																		
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Municipal Solid Waste Landfill Closure																			
5. Program Element 0702776N	6. Category Code 83315	7. Project Number P635	8. Project Cost (\$000) 10,777																			
subsurface drainage system, a drainage culvert system, and upgrade of the leachate management system. 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>4 ha</u> Adequate: Substandard: PROJECT: Constructs a landfill closure capping system for the municipal solid waste landfill, including an access road for maintenance vehicles and a perimeter subsurface drainage system to minimize infiltration. (Current Mission) REQUIREMENT: Closure of the municipal solid waste landfill is required for compliance with 40 Code of Federal Regulation (CFR), Part 258 and Guam Environmental Protection Agency (GEPA) Solid Waste Disposal Regulations (SWR), Division 4, Chapter 23. CURRENT SITUATION: The municipal solid waste landfill area at the solid waste management complex (SWMC) is no longer the primary disposal area and is being reserved for contingency purposes until fiscal year 2016. Municipal solid waste is currently disposed at the Government of Guam Layon Landfill. IMPACT IF NOT PROVIDED: If this project is not completed, the Navy will be in violation of 40 CFR Part 258 and GEPA SWR Chapter 23.																						
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2013</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>05/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>50%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>60%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table border="0"> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	09/2013	(B) Date 35% Design or Parametric Cost Estimate complete	05/2014	(C) Date design completed	09/2015	(D) Percent completed as of September 2014	50%	(E) Percent completed as of January 2015	60%	(F) Type of design contract	Design Bid Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No
(A) Date design or Parametric Cost Estimate started	09/2013																					
(B) Date 35% Design or Parametric Cost Estimate complete	05/2014																					
(C) Date design completed	09/2015																					
(D) Percent completed as of September 2014	50%																					
(E) Percent completed as of January 2015	60%																					
(F) Type of design contract	Design Bid Build																					
(G) Parametric Estimate used to develop cost	Yes																					
(H) Energy Study/Life Cycle Analysis performed	No																					
(A) Standard or Definitive Design	No																					

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Municipal Solid Waste Landfill Closure	
5. Program Element 0702776N	6. Category Code 83315	7. Project Number P635	8. Project Cost (\$000) 10,777	
(B) Where design was previously used 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$374 (B) All other design costs \$561 (C) Total \$935 (D) Contract \$842 (E) In-house \$93 4. Contract award: 03/2016 5. Construction start: 04/2016 6. Construction complete: 04/2017 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. Activity POC: Project Development Lead Phone No: 671-339-6870				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Municipal Solid Waste Landfill Closure	
5. Program Element 0702776N	6. Category Code 83315	7. Project Number P635	8. Project Cost (\$000) 10,777	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Live-Fire Training Range Complex (NW Field)	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P715	8. Project Cost (\$000) 125,677	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
LIVE-FIRE TRAINING RANGE COMPLEX (NW FIELD)	LS			32,310
KD RIFLE RANGE CC17550	EA	1	4,764,991	(4,760)
MODIFIED RECORD FIRE RANGE CC17532	EA	1	3,070,670	(3,070)
KD PISTOL RANGE CC17570	EA	1	1,231,476	(1,230)
NON-STANDARD SMALL ARMS RANGE CC17502	EA	1	912,851	(910)
RANGE MAINTENANCE BUILDING CC17310 (5,716SF)	m2	531	3,233.79	(1,720)
KD RIFLE/PISTOL RANGE ADMIN BUILDING CC17310 (3,638SF)	m2	338	4,236.39	(1,430)
RANGE OBSERVATION TOWERS CC17935	EA	2	226,949.69	(450)
ROUTE 3A REHABILITATION CC85110	LS			(10,760)
BUILT-IN EQUIPMENT	LS			(100)
SPECIAL COSTS	LS			(7,580)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(300)
SUPPORTING FACILITIES				76,500
SITE PREPARATIONS	LS			(11,580)
PAVING AND SITE IMPROVEMENTS	LS			(11,560)
ELECTRICAL UTILITIES	LS			(27,840)
MECHANICAL UTILITIES	LS			(4,600)
ENVIRONMENTAL MITIGATION	LS			(20,920)
SUBTOTAL				108,810
CONTINGENCY (5%)				5,440
TOTAL CONTRACT COST				114,250
SIOH (6.2%)				7,080
SUBTOTAL				121,330
DESIGN/BUILD - DESIGN COST				4,350
TOTAL REQUEST ROUNDED				125,680
TOTAL REQUEST				125,677
EQUIPMENT FROM OTHER				(6,266)

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Live-Fire Training Range Complex (NW Field)	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P715	8. Project Cost (\$000) 125,677	
APPROPRIATIONS (NON ADD)				
10. Description of Proposed Construction: Constructs a Live-Fire Training Range Complex (LFTRC) at Northwest Field (NWF), consisting of four ranges and facilities that support the small arms ranges including a Range Maintenance Building, KD Rifle/Pistol Range Administration Building and Range Observation Towers. Facilities will be pre-cast concrete or cast-in place concrete low-rise facilities with slab on grade foundations, reinforced concrete roofing, with windows, mechanical, and electrical systems. LFTRC will consist of four small arms firing ranges: a 25 firing point (FP) Known Distance (KD) Pistol Range, a 50 FP KD Rifle Range, a 16 FP Modified Record Fire Range, and a 25 FP Non-Standard Small Arms Range. Route 3A rehabilitation and widening involves removal of existing asphalt pavement, scarifying and compaction of existing base material, stabilization of existing shoulders and new aggregate base and sub-base course. Removed existing asphalt pavement shall be re-used as much as possible. Typical improvements include widening travel lanes, shoulders, and installing appropriate roadside drainage. The approximate length of Route 3A rehabilitation is five miles. Additional structures in support of the four small arms ranges include a target factory/storage building, ready storage facilities, pit control room, ammunition breakdown facilities, brass and pallet storage areas, range control towers, protective and impact berms, bullet catchment systems, covered bleachers and range specialties. Information systems include basic telephone, computer network, fiber optic, and security and fire alarm infrastructure. 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. Built-in equipment consists of radon mitigation systems and bleachers at each ranges. Special costs include post construction contract award services (PCAS), Guam gross receipt taxes, geospatial surveys and mapping, and archaeological monitoring costs.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Live-Fire Training Range Complex (NW Field)	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P715	8. Project Cost (\$000) 125,677	
Operations and maintenance support information is included in this project. 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. Site preparation includes clearing/grubbing, a very large amount of earthwork preparing the sites for all four ranges, grading, and temporary erosion and soil control. Paving and site improvements include an access road, parking for approximately 100 vehicles, driveways, sidewalks, hydroseeding, ungulate fencing, security gate and gate house, storm water drainage systems and retention ponds, green waste facility, monitoring wells, and signage. Electrical utilities consist of primary and secondary underground electrical distribution, outside lighting, and pad mounted transformers. Also included is a communications distribution system from the main communication Building #112 (approximately 7 miles away) on the Naval Computer and Telecommunication Station at Finegayan, a communications tower in support of the enterprise land mobile radio system and an area distribution node (ADN) facility equipped with communication racks, interior cable trays, exterior cable trays, and a grounding and lightning protection system. Mechanical utilities consist of domestic and fire protection water distribution and sanitary sewer system, including a septic tank and effluent disposal basin. Environmental mitigation includes natural and cultural resource mitigation (to include direct and programmatic mitigations required by the Record of Decision, Biological opinion, and Programmatic Agreement) and unexploded explosive ordnance (UXO)/munitions and explosives of concern (MEC) mitigation. Facilities will be designed to meet or exceed the useful service life specified in the DoD 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.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N41557 US NAVSUPACT ANDERSEN GUAM JOINT REGION MARIANAS, GUAM			4. Project Title Live-Fire Training Range Complex (NW Field)	
5. Program Element 0216496M	6. Category Code 17550	7. Project Number P715	8. Project Cost (\$000) 125,677	
11. Requirement: <u>4 EA</u> Adequate: <u>0 EA</u> Substandard: <u>0 EA</u> PROJECT: Constructs a LFTRC with four new small arms ranges consisting of a 25 FP KD pistol range, 50 FP KD rifle range, 16 FP modified record fire range, 25 FP non-standard small arms range, rifle/pistol range administrative building, range maintenance building, observation towers, utilities, IT/Communication line to Naval Computer and Telecommunications Station(NCTS) Finegayan Building #112, roadways, and reconstruction of existing Route 3A. (New Mission) REQUIREMENT: As part of the 2005 Alliance Transformation and Realignment for the Future (ATARA) and AIP between the United States and Government of Japan (GOJ), USMC forces will be relocated to Guam to reduce their footprint in Okinawa. This relocation will require the development of ranges to meet individual and annual qualification training requirements, Military Occupational Specialty (MOS) training, and Integrated Small Unit Training. Marine Corps Order (MCO) 3574.2K outlines the Marine Corps policy and requirements for annual marksmanship training including initial qualification and re-qualification with the service rifle and the M9 service pistol. This Order also identifies the Individual Training Standards (ITS) that are required. Range requirements were determined based on the anticipated throughput of USMC and other services for marksmanship and sustainment training and the total number of weeks ranges would be available on Guam (approximately 39 firing weeks). These ranges are critical for sustainment level marksmanship training and will ensure the combat readiness and marksmanship proficiency for USMC personnel stationed on Guam. Upon completion of the LFTRC, it will have immediate utility to the Marines presently stationed on Guam, Marines that deploy to Guam for other training events (Aviation Training Relocation as an example), and other service forces on Guam to include the National Guard. As Marines relocate from Okinawa to Guam, utilization will increase to the capacity the range is designed for. CURRENT SITUATION: Currently, Guam does not have sufficient KD range capacity to accommodate anticipated sustainment level marksmanship throughput requirements as a result of USMC active duty personnel relocating to Guam. IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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Weapons training and qualification are essential components of Marine readiness. As part of the agreement between the United States and G0J, USMC forces will be relocated to Guam; and these ranges will need to be constructed as part of the relocation. If the training ranges are not constructed, the agreement between the two countries will be compromised.				
12. Supplemental Data:				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started	02/2014			
(B) Date 35% Design or Parametric Cost Estimate complete	05/2014			
(C) Date design completed	05/2016			
(D) Percent completed as of September 2014	5%			
(E) Percent completed as of January 2015	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	N/A			
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications	\$1,612			
(B) All other design costs	\$2,417			
(C) Total	\$4,029			
(D) Contract	\$3,626			
(E) In-house	\$403			
4. Contract award:	01/2016			
5. Construction start:	06/2016			
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>	
C4I	PMC	2018	48	
Collateral Equipment	O&MMC	2018	1,600	
Electronic Security System	O&MMC	2018	18	
Targeting System	PMC	2018	4,600	
JOINT USE CERTIFICATION:				
The Regional Commander or Installation Management Claimant 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				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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5. Program Element 0216496M	6. Category Code 17550	7. Project Number P715	8. Project Cost (\$000) 125,677	
Department of the Navy requirements. Activity POC: Project Development Lead Phone No: (808) 477-8991				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N62995 NAS SIGONELLA IT SIGONELLA, ITALY					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.5		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	194	1215	1238	0	0	0	105	590	0	3342
	190	1313	1238	0	0	0	105	590	0	3436
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(316 Acres)										
B. INVENTORY AS OF 30 SEP 2014										907,377
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										102,943
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										54,530
G. REMAINING DEFICIENCY										110,545
H. GRAND TOTAL										1,175,395
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	Triton Hangar and Operation Facility					09/2013	06/2016	6626 m2	40,641	
21105	P-8A Hangar and Fleet Support Facility					08/2011	05/2015	8802 m2	62,302	
								TOTAL	102,943	
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
13117 Communication Station										54,530
								TOTAL	54,530	
C. R&M Unfunded Requirement (\$000):										236,366
10. Mission or Major Functions:										
Navy's major mid-Mediterranean shore installation used for logistic support of the Sixth Fleet and as a base of operations for deployed, land-based anti-submarine warfare (ASW) aircraft. Navy intra-theatre airlift squadron also assigned, with carrier on-board airlift mission. Support transient, carrier-based tactical aircraft as required. Presently supports Air Mobility Command (AMC) cargo flights and Military Airlift Command (MAC) passenger flights from the U.S. Provides air logistics interface with nearby Augusta Bay NATO fuel and ammunition replenishment pier and depot. Supports helicopter combat squadron and helicopter surveillance squadron.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N62995 NAS SIGONELLA IT SIGONELLA, ITALY	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.5

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62995 NAS SIGONELLA IT SIGONELLA, ITALY			4. Project Title Triton Hangar and Operation Facility	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P407	8. Project Cost (\$000) 40,641	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
TRITON HANGAR AND OPERATION FACILITY (71,322SF)	m2	6,626		27,120
REMOTE MISSION CONTROL FACILITY CC14140 (1,927SF)	m2	179	2,816.93	(500)
MQ-4C AIRCRAFT HANGAR CC21105 (62,528SF)	m2	5,809	3,395	(19,720)
WAREHOUSE CC44110 (6,867SF)	m2	638	1,684.8	(1,070)
BUILT-IN EQUIPMENT	LS			(5,240)
SPECIAL COSTS	LS			(590)
SUPPORTING FACILITIES				8,070
SPECIAL CONSTRUCTION FEATURES	LS			(470)
SITE PREPARATIONS	LS			(2,350)
SPECIAL FOUNDATION FEATURES	LS			(810)
PAVING AND SITE IMPROVEMENTS	LS			(1,150)
ELECTRICAL UTILITIES	LS			(2,640)
MECHANICAL UTILITIES	LS			(560)
DEMOLITION	LS			(90)
SUBTOTAL				35,190
CONTINGENCY (5%)				1,760
TOTAL CONTRACT COST				36,950
SIOH (6.2%)				2,290
SUBTOTAL				39,240
DESIGN/BUILD - DESIGN COST				1,410
TOTAL REQUEST ROUNDED				40,650
TOTAL REQUEST				40,641
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,855)
10. Description of Proposed Construction: Constructs a four-bay aircraft operation and maintenance hangar, with associated maintenance shops, battery shop, secure storage, secret level vault, administrative areas and a concrete parking apron directly connected with existing aircraft parking aprons and taxiways. The hangar will be constructed of structural steel framing with masonry and insulated metal walls and with a standing seam metal roof system. The roof of the hangar bays shall be supported by steel, clear span trusses, supported on steel				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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5. Program Element 0712876N	6. Category Code 21105	7. Project Number P407	8. Project Cost (\$000) 40,641	
columns and purlins or steel bar joist framing. The facility will be constructed on a concrete slab on grade with a pile foundation system. A warehouse will be constructed to supply Triton storage requirements. The structure will be constructed of structural steel framing with masonry and insulated metal walls and with a standing seam metal roof system. The roof shall be supported by steel, clear span trusses, supported on steel columns and purlins or steel bar joist framing. The facility will be constructed on a concrete slab on grade with a pile foundation system. This project also constructs a Forward Operating Building Mission Control System (MCS) facility, a multi-story reinforced concrete and masonry block structure, will be separate from the hangar, sited adjacent to the hangar, featuring electromagnetic shielding, with an office area and operation command having appropriate line of sight of the runway. The facility will be constructed on a concrete slab on grade with a pile foundation system. 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. Built-in equipment includes a bridge crane with supporting infrastructure, an aqueous film forming foam system, compressed air, passenger/freight elevators, emergency generators, oil/water separator, frequency converter, power conditioning, vault security system, antenna platform, aircraft power service points, emergency uninterruptible power supply, avian protection system and epoxy floor coating. Special costs include Post Construction Contract Award Services (PCAS), and a temporary enclave security screen to prevent direct line of sight to the adjacent Global Hawk hangar operations. Special construction features will include electromagnetic shielding of the MCS facility, antenna tower support structures, crane structural support system, and energy efficiency features. Site preparation includes clearing and grubbing, fill and grading, utility relocation, demolition of airfield pavement, and foreign object damage (FOD) fencing. Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62995 NAS SIGONELLA IT SIGONELLA, ITALY			4. Project Title Triton Hangar and Operation Facility	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P407	8. Project Cost (\$000) 40,641	
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. Paving and site improvements include grading, a reinforced concrete aircraft parking access apron, asphalt pavement parking for approximately 15 vehicles, curbs, sidewalks, signage and striping, security perimeter fence, gates, storm drainage system, stormwater management and landscaping. Pavement facilities include pads for emergency generators. Electrical utilities include communication duct bank infrastructure, primary and secondary distribution systems, transformers, buried line sensor and site lighting. Mechanical utilities include water, fire and sewer distribution piping and meters. This project also demolishes Building #638 Sonobuoy Storage(147 m2). 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>6,626 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u>				
PROJECT: Constructs a four-bay Triton aircraft hangar, an operation facility with associated maintenance and administrative spaces, and a warehouse. (New Mission)				
REQUIREMENT: Naval Air Station Sigonella (NASSIG) has been selected as the Forward Operation Base (FOB) for the Unmanned Aircraft System (UAS) MQ-4C Broad Area Maritime Surveillance (BAMS) platform. This project facility will house and allow for operation the Triton mission upon completion. The planned initial operating capability for the Triton mission is June 2019, but facilities need to be fully equipped and commissioned before that date. Currently the U.S. Air Force is performing a similar mission with the Global Hawk (GH) platform. In order to allow for synergy between the two services flying a similar platform the hangar will be constructed adjacent to GH.				

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5. Program Element 0712876N	6. Category Code 21105	7. Project Number P407	8. Project Cost (\$000) 40,641													
CURRENT SITUATION: NASSIG currently has only one hangar, B-407, with available space for operations. Due to the deterioration, age, and size of hangar B-407 it cannot support the new BAMS platform adequately. By constructing a new hangar of sufficient size, Triton and GH will be able to provide mutual synergistic support between units with a similar mission. Moreover NASSIG has no other hangar nor storage space available for new BAMS aircraft.																
IMPACT IF NOT PROVIDED: If this project hangar is not constructed operation and maintenance space for the BAMS platform will not be available for use. Without space for operation and maintenance the surveillance mission supporting the European Command, Africa, and Central Command areas of operation will be adversely impacted.																
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 01/2014 (C) Date design completed 06/2016 (D) Percent completed as of September 2014 5% (E) Percent completed as of January 2015 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 No (B) Where design was previously used 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications \$1,290 (B) All other design costs \$430 (C) Total \$1,720 (D) Contract \$1,580 (E) In-house \$140 4. Contract award: 02/2016 5. Construction start: 07/2016 6. Construction complete: 07/2018 B. Equipment associated with this project which will be provided from other appropriations: <table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>ESS Electrical Security systems</td> <td>OPN</td> <td>2017</td> <td>400</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>		<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	ESS Electrical Security systems	OPN	2017	400
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>														
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>													
ESS Electrical Security systems	OPN	2017	400													

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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5. Program Element 0712876N	6. Category Code 21105	7. Project Number P407	8. Project Cost (\$000) 40,641	
Furniture and Furnishings		OMN	2017	2,100
IT Systems and Support (ONENET)		OPN	2017	225
LOS Antennas & Common Data Link		OPN	2017	130
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: 399-586-2374				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62995 NAS SIGONELLA IT SIGONELLA, ITALY			4. Project Title P-8A Hangar and Fleet Support Facility	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P655	8. Project Cost (\$000) 62,302	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
P-8A HANGAR AND FLEET SUPPORT FACILITY (94,744SF)	m2	8,802		38,580
P8A MAINTENANCE HANGAR CC21105 (84,249SF)	m2	7,827	3,637.85	(28,470)
FLEET SUPPORT FACILITY CC21730 (10,495SF)	m2	975	4,700.17	(4,580)
BUILT-IN EQUIPMENT	LS			(4,970)
SPECIAL COSTS	LS			(560)
SUPPORTING FACILITIES				15,350
SPECIAL CONSTRUCTION FEATURES	LS			(270)
PAVEMENT FACILITIES	LS			(3,460)
SITE PREPARATIONS	LS			(150)
SPECIAL FOUNDATION FEATURES	LS			(1,320)
PAVING AND SITE IMPROVEMENTS	LS			(3,530)
ELECTRICAL UTILITIES	LS			(2,820)
MECHANICAL UTILITIES	LS			(780)
ENVIRONMENTAL MITIGATION	LS			(140)
DEMOLITION	LS			(2,880)
SUBTOTAL				53,930
CONTINGENCY (5%)				2,700
TOTAL CONTRACT COST				56,630
SIOH (6.2%)				3,510
SUBTOTAL				60,140
DESIGN/BUILD - DESIGN COST				2,160
TOTAL REQUEST ROUNDED				62,300
TOTAL REQUEST				62,302
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,000)
10. Description of Proposed Construction:				
Constructs a two-bay squadron maintenance high-bay hangar to house two aircraft and have steel-framed construction, insulated steel sidings and roof and concrete foundation and floors. Interior features will include: combination fire alarm/individual building mass notification system; low-level, low expansion foam fire suppression system (AFFF); epoxy floor finishes; and an industrial wastewater collection system. This project				

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5. Program Element 0712876N	6. Category Code 21105	7. Project Number P655	8. Project Cost (\$000) 62,302	
will expand the existing flight line area towards the street on the northeast corner of the existing flightline. The additional area will assure sufficient turning movements and parking space for the P-8A aircraft. Adjacent to the maintenance hangar, the project also constructs an associated facility for squadron administration, maintenance and training areas with P-8A aircraft training mock ups. This structure will also be steel-framed construction, insulated steel sidings and roof and concrete foundation and floors This project will also construct a Fleet Support Facility to support the Advanced Airborne Sensor program. The facility will be a single-story, steel-framed building with reinforced concrete foundation and floors. This facility will require a crane. 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. Built-in equipment includes AFFF collection system, passenger/freight elevator, crane, emergency generators, avian protection system, epoxy floor coating, uninterruptible power supply (UPS) and special 400Hz power. Special costs include Post Construction Contract Award Services (PCAS). 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. Pavement facilities include concrete slabs for back-up generators, airfield concrete access ramp expansion, line vehicle parking pavement, and aircraft rinse facility. This project will repair and expand the wash rack and its utility room. This project will construct an automatic taxi-through, treadle operated, and fresh water deluge system aircraft rinse facility, with automatic controls, water storage reservoirs, and pumping station. Special foundation features include pile foundations. Paving and site improvements include grading, perimeter airfield security				

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5. Program Element 0712876N	6. Category Code 21105	7. Project Number P655	8. Project Cost (\$000) 62,302	
fence, gates, sidewalks, access roads and curbs. Electrical utilities include emergency uninterruptible power supply; 400 hertz power; transformers; communications with duct bank system; primary and secondary distribution systems; high intensity lighting and exterior site lighting along new airfield fence line; and the relocation of an existing airfield light. This project will include environmental mitigation for radon removal. This project demolishes Hangar Building #407 (7,476 m2); EOD Shelter Building #536 (173 m2); Building #753 (46.82 m2); Building #421 (111.48 m2); Building #634 (156.08 m2); Building #418 (450.99 m2); Building #698 (33.15 m2); and Building #758 (202.81 m2). 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>8,785 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs a maintenance hangar with squadron maintenance spaces to support P-8A aircraft based at Sigonella. This project also constructs a new Fleet Support Facility and a new taxi-through aircraft rinse facility. This project will repair the existing wash rack. (New Mission) REQUIREMENT: Adequate and efficiently configured facilities are required for the P-8A aircraft. Naval Air Station Sigonella (NASSIG) has been designated as one of three Primary Deployment Sites for this new airplane, a replacement for the P-3 Orion aircraft. At a tail height of over 42-feet and a maximum wing dimension of over 123-feet, the P-8A has one of the tallest vertical stabilizers and one of the longest wingspans in the Navy's aircraft inventory. NASSIG does not have the provisions to support an aircraft of this size. A Fleet Support Facility is required to provide aircrew training, store essential equipment, and conduct required system repair, modernization and maintenance necessary to support the aircraft systems, which cannot be				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																														
3. Installation(SA)& Location/UIC: N62995 NAS SIGONELLA IT SIGONELLA, ITALY			4. Project Title P-8A Hangar and Fleet Support Facility																															
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P655	8. Project Cost (\$000) 62,302																															
provided by existing facilities. The facility must be located near the P8-A hangar to allow synergy between the operations. The aircraft rinse facility is required at each Navy and Marine Corps air installation having aircraft subject to accelerated corrosion due to low-level over-water operations or a corrosive atmosphere at the installation. CURRENT SITUATION: The P-3 Orion airframe is nearing the end of its useful life and will be replaced by the P-8A Poseidon airframe. Currently there are no facilities to support a new airframe of this size within the European theater of operations. The P-8A is scheduled to replace the P-3 airframe. The P-8A requires hangar space for airframe maintenance; there is not currently space available on NASSIG for this mission requirement. IMPACT IF NOT PROVIDED: Without this hangar space the airframes would have to be flown out of theater for regular airframe maintenance. This effort would greatly reduce the number of operational flight hours in theater.																																		
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>08/2011</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>04/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>5%</td> </tr> <tr> <td>(E) Percent completed as of January 2015</td> <td>5%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>No</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> 2. Basis: <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$1,800</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$200</td> </tr> <tr> <td>(C) Total</td> <td>\$2,000</td> </tr> <tr> <td>(D) Contract</td> <td>\$1,500</td> </tr> <tr> <td>(E) In-house</td> <td>\$500</td> </tr> </table> 4. Contract award: 03/2016 5. Construction start: 05/2016 6. Construction complete: 02/2018					(A) Date design or Parametric Cost Estimate started	08/2011	(B) Date 35% Design or Parametric Cost Estimate complete	04/2014	(C) Date design completed	05/2015	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	5%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$1,800	(B) All other design costs	\$200	(C) Total	\$2,000	(D) Contract	\$1,500	(E) In-house	\$500
(A) Date design or Parametric Cost Estimate started	08/2011																																	
(B) Date 35% Design or Parametric Cost Estimate complete	04/2014																																	
(C) Date design completed	05/2015																																	
(D) Percent completed as of September 2014	5%																																	
(E) Percent completed as of January 2015	5%																																	
(F) Type of design contract	Design Build																																	
(G) Parametric Estimate used to develop cost	No																																	
(H) Energy Study/Life Cycle Analysis performed	No																																	
(A) Standard or Definitive Design	No																																	
(B) Where design was previously used																																		
(A) Production of plans and specifications	\$1,800																																	
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(D) Contract	\$1,500																																	
(E) In-house	\$500																																	

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62995 NAS SIGONELLA IT SIGONELLA, ITALY			4. Project Title P-8A Hangar and Fleet Support Facility	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P655	8. Project Cost (\$000) 62,302	
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>		
Collateral Equipment (furniture)		OMN 2017 2,000		
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: 399-586-2374				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62995 NAS SIGONELLA IT SIGONELLA, ITALY			4. Project Title P-8A Hangar and Fleet Support Facility	
5. Program Element 0712876N	6. Category Code 21105	7. Project Number P655	8. Project Cost (\$000) 62,302	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015			
3. Installation and Location: M67400 MARINE CORPS BASE, CAMP SMEDLEY BUTLER CAMP BUTLER, JAPAN				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.77				
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1308	11325	4225	9	1982	1	0	0	15917	34767
	1334	11009	4137	20	2051	0	0	0	15917	34468
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(13490 Acres)										
B. INVENTORY AS OF 30 SEP 2014										2,933,395
C. AUTHORIZATION NOT YET IN INVENTORY										5,820
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										11,697
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										28,221
H. GRAND TOTAL										2,979,133
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>			
73076	Military Working Dog Facilities (Camp Hansen)	03/2014		06/2015		1547 m2	11,697			
TOTAL							11,697			
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 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: M67400 MARINE CORPS BASE, CAMP SMEDLEY BUTLER CAMP BUTLER, JAPAN		4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.77

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67400(BA) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (CAMP HANSEN-6011) CAMP BUTLER, JAPAN			4. Project Title Military Working Dog Facilities (Camp Hansen)	
5. Program Element 0202176M	6. Category Code 73076	7. Project Number P606	8. Project Cost (\$000) 11,697	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MILITARY WORKING DOG FACILITIES (CAMP HANSEN) (16,652SF)	m2	1,547		7,170
KENNEL CC73076 (14,165SF)	m2	1,316	4,777.94	(6,290)
COVERED OUTDOOR KENNEL CC73076 (2,099SF)	m2	195	2,115.55	(410)
COVERED WALKWAYS CC73076 (388SF)	m2	36	2,000.01	(70)
INFORMATION SYSTEMS	LS			(170)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
BUILT-IN EQUIPMENT	LS			(30)
SPECIAL COSTS	LS			(100)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
SUPPORTING FACILITIES				3,300
SITE PREPARATIONS	LS			(850)
PAVING AND SITE IMPROVEMENTS	LS			(1,570)
ELECTRICAL UTILITIES	LS			(180)
MECHANICAL UTILITIES	LS			(360)
ENVIRONMENTAL MITIGATION	LS			(340)
SUBTOTAL				10,470
CONTINGENCY (5%)				520
TOTAL CONTRACT COST				10,990
SIOH (6.5%)				710
SUBTOTAL				11,700
TOTAL REQUEST ROUNDED				11,700
TOTAL REQUEST				11,697
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(150)
10. Description of Proposed Construction: Constructs a single-story working dog kennel and surrounding complex. The facility generally consists of reinforced concrete structural walls on concrete foundations with reinforced concrete roof, and reinforced concrete floors. Building will include administrative spaces for: combination indoor/outdoor kennels, kennel master, veterinarian, trainers and handlers,				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67400(BA) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (CAMP HANSEN-6011) CAMP BUTLER, JAPAN			4. Project Title Military Working Dog Facilities (Camp Hansen)	
5. Program Element 0202176M	6. Category Code 73076	7. Project Number P606	8. Project Cost (\$000) 11,697	
tack room, multi-purpose room, exam room, food storage, male and female latrines/locker/shower area, janitor room, food preparation area, storage/cleaning area, electrical, mechanical, and telecom rooms, and a separate exterior storage building. Provides covered walkway between the administrative spaces and the kennel runs. Complex will include covered outdoor kennel, dog exercise area, break area, and obstacle course and have exterior and perimeter security lighting. Information systems will include telephone, local area network (LAN) and voice and data communication systems. 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. Built-in equipment includes cages. Special costs include Post Construction Contract Award Services (PCAS) and geospatial and other digital data. Operational and Maintenance Support Information (OMSI) is included in this project. 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. Site preparation includes site clearing, earthwork, fill, grading, landscaping, excavation and preparation for construction, and roadway signage. Paving and site improvements include paved parking for approximately 20 vehicles, access roads, sidewalks, and storm water management. Environmental mitigation will include archeological monitoring and recording during construction. 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				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67400(BA) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (CAMP HANSEN-6011) CAMP BUTLER, JAPAN			4. Project Title Military Working Dog Facilities (Camp Hansen)	
5. Program Element 0202176M	6. Category Code 73076	7. Project Number P606	8. Project Cost (\$000) 11,697	
satisfying the facility requirements with the goal of maximizing energy efficiency.				
11. Requirement: <u>1,547 m2</u> Adequate: Substandard: PROJECT: Constructs a military working dog kennel and support facilities for the Third Marine Expeditionary Force Headquarters Group (III MHG) and the base Military Police Support Company military working dogs. Complex includes the necessary administrative, training, operations areas for the dog trainers and a Kennel Master Area. (Current Mission) REQUIREMENT: III MHG and Marine Corps Base Military Police have increased requirements for military working dogs and dog handlers. The mission of the Military Working Dog Unit is to protect military personnel from risk of death and injury from explosive devices and narcotics dangers. This project provides adequate and efficiently configured facilities for military working dog unit to include storage requirements for equipment connected to training, mobility, contingencies and Very Important Person (VIP) protection. All phases of MWD training for patrol and for drug and explosive detection will take place on the grounds. Veterinary treatment areas and documentation for handlers and dogs are collocated with MWD facilities. CURRENT SITUATION: The existing temporary MWD facility design creates hygiene, health and safety hazards that make it difficult to maintain the health of the military working dogs in a condition to efficiently perform their duties and as a result dogs are dying at an average of one or two every quarter. The current dog kennel was designed as a temporary facility only and does not comply with the codes and standards for safety, hazards, health, hygiene and maintenance for the dogs. The dog kennel facility is currently located next to the sewerage treatment plant area of Camp Hansen and does not have exercise areas or room for food preparation. The closest area for training is located approximately one hour from their facility and it takes a week to provide the training exercise to the 48 dogs assigned. IMPACT IF NOT PROVIDED: Failure to provide new support, administrative, and training facilities will continue to have adverse impacts to the MWDs and the missions of detecting explosives and narcotics. This will directly jeopardize lives and will not prevent the possible destruction of government property or terrorist acts. The dogs will continue to suffer in their small cage and die which will have severe adverse impacts on mission readiness.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67400(BA) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (CAMP HANSEN-6011) CAMP BUTLER, JAPAN			4. Project Title Military Working Dog Facilities (Camp Hansen)	
5. Program Element 0202176M	6. Category Code 73076	7. Project Number P606	8. Project Cost (\$000) 11,697	

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	03/2014
(B) Date 35% Design or Parametric Cost Estimate complete	10/2014
(C) Date design completed	06/2015
(D) Percent completed as of September 2014	30%
(E) Percent completed as of January 2015	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	\$603
(B) All other design costs	\$300
(C) Total	\$903
(D) Contract	\$300
(E) In-house	\$603

4. Contract award: 02/2016

5. Construction start: 03/2016

6. Construction complete: 09/2017

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>
Dog Handling Equipment	O&MMC	2017	100
FF&E	O&MMC	2017	50

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: DSN(315)645-5339

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN					4. Command Commandant of the Marine Corps			5. Area Const Cost Index 1.66		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	192	1880	1266	0	0	0	0	0	909	4247
	186	1838	1267	0	0	0	0	0	909	4200
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(7117 Acres)										
B. INVENTORY AS OF 30 SEP 2014										3,599,336
C. AUTHORIZATION NOT YET IN INVENTORY										5,722
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										17,923
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										9,305
F. PLANNED IN NEXT THREE PROGRAM YEARS										6,968
G. REMAINING DEFICIENCY										19,866
H. GRAND TOTAL										3,659,120
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	E-2D Operational Trainer Complex			09/2013	05/2015	1300 m2			8,716	
17135	Security Modifications - CVW5/MAG12 HQ			09/2013	03/2015	600 m2			9,207	
TOTAL									17,923	
9. Future Projects:										
A. Included In The Following Program:										
11120 South VTOL Pad									9,305	
TOTAL									9,305	
B. Major Planned Next Three Years:										
21105 MC0421-T Hangar Improvements South									2,125	
21105 MC0201-T Hangar Improvements North									4,843	
TOTAL									6,968	
C. R&M Unfunded Requirement (\$000):										48,387
10. Mission or Major Functions:										
Marine Corps Air Station Iwakuni supports and enhances the combat readiness of 1st Marine Corps 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 and supports the Mutual Defense Assistance Agreement with Japan in order to deter, prevent, and defeat threats and aggression.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM		2. Date 02 FEB 2015
3. Installation and Location: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.66
B. Occupational Safety and Health(OSH)(#):			0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title E-2 Operational Trainer Complex	
5. Program Element 0805976N	6. Category Code 17135	7. Project Number P603	8. Project Cost (\$000) 8,716	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
E-2D OPERATIONAL TRAINER COMPLEX (13,993SF)	m2	1,300		6,850
SCIF SPACE MODIFICATIONS CC17135 (13,993SF)	m2	1,300	3,831.35	(4,980)
SPECIAL COSTS	LS			(1,800)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
SUPPORTING FACILITIES				950
SITE PREPARATIONS	LS			(950)
SUBTOTAL				7,800
CONTINGENCY (5%)				390
TOTAL CONTRACT COST				8,190
SIOH (6.5%)				530
SUBTOTAL				8,720
TOTAL REQUEST ROUNDED				8,720
TOTAL REQUEST				8,716
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(29,032)
10. Description of Proposed Construction:				
Perform secure space finish work in the E-2 aircraft operational flight trainer (OFT) Sensitive Compartmented Information Facilities (SCIF) located in the Operational Trainers Complex (OTC). Throughout this document, SCIF shall be referred to as E-2 secure space. The OTC is a host nation Government of Japan (GOJ) construction project designated as MC158-T under the Alliance Transformation and Realignment Agreement (ATARA) and Defense Policy Review Initiative (DPRI). GOJ construction of the OTC is scheduled to complete in September 2015. The GOJ will perform general construction and will construct the exterior concrete shell including floor, walls, and ceiling of the E-2 secure space but cannot perform finish work. The DODM 5105.21 Sensitive Compartmented Information Physical Security Manual through the Security Intelligence Community Directive (ICD) 705 does not allow host nation to perform secure space finish work. With this limitation in place, the E-2 secure space in the OTC constructed by the GOJ cannot be completed and thus will not meet critical mission requirements. US MILCON must continue the GOJ construction and finish the secure spaces in order to complete the OTC.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title E-2D Operational Trainer Complex	
5. Program Element 0805976N	6. Category Code 17135	7. Project Number P603	8. Project Cost (\$000) 8,716	
The scope of secure space finish work include installation of equipment, install expanded metal grating where necessary, install architectural finish work including interior light gauge framing and gypsum board sheeting, install mechanical, plumbing, utility, fire protection, electrical and communication systems. Operations and Maintenance Support Information (OMSI) is included in this project. Special costs include Post Construction Contract Award Services (PCAS). Special costs include monitoring during Secure Compartmented Intelligence Facility (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 there are no abnormalities that could affect and compromise the security of the SCIF. 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>1,300 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Perform secure construction finish work in the E-2 operational trainer spaces located inside the trainer facility complex that will be constructed by the G0J. The secure space finish work must be performed by US personnel. (Current Mission) REQUIREMENT: The E-2 OFT is required to train flight crews. The E-2 OFT spaces are necessary to support aircraft mission specific training requirements and the flight training operations associated with the aircraft. This project must be completed before the E-2 OFT device arrives on site in 2018. CURRENT SITUATION: Marine Corp Air Station Iwakuni is undergoing a massive \$4.5 billion host nation funded infrastructure buildup including construction of the OTC to support the relocation of the Carrier Air Wing from Naval Air Facility, Atsugi as part of the US and G0J ATARA and DPRI bilateral defense agreement.				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																												
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title E-2D Operational Trainer Complex																													
5. Program Element 0805976N	6. Category Code 17135	7. Project Number P603	8. Project Cost (\$000) 8,716																													
IMPACT IF NOT PROVIDED: Construction of the E-2 trainer space inside the flight trainer complex will be incomplete. GOJ construction efforts and resources will be wasted adversely impacting and possibly damaging US host nation relations.																																
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 05/2014 (C) Date design completed 05/2015 (D) Percent completed as of September 2014 35% (E) Percent completed as of January 2015 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 \$580 (B) All other design costs \$30 (C) Total \$610 (D) Contract \$550 (E) In-house \$60 4. Contract award: 02/2016 5. Construction start: 02/2016 6. Construction complete: 03/2017 B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u> <u>Nomenclature</u></th> <th><u>Procuring</u> <u>Approp</u></th> <th><u>FY Approp</u> <u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Audio/Visual Equipment for OTC</td> <td>OPN</td> <td>2016</td> <td>100</td> </tr> <tr> <td>Electronic Security Systems (ESS) for OTC</td> <td>OPN</td> <td>2016</td> <td>726</td> </tr> <tr> <td>Furniture and Furnishings for OTC</td> <td>OMN</td> <td>2016</td> <td>300</td> </tr> <tr> <td>Operational Flight Trainer for OTC</td> <td>APN</td> <td>2018</td> <td>27,200</td> </tr> <tr> <td>Physical Security Equipment (PSE) for OTC</td> <td>OPN</td> <td>2016</td> <td>106</td> </tr> <tr> <td>Telecomm Equipment for OTC</td> <td>OPN</td> <td>2016</td> <td>600</td> </tr> </tbody> </table>					<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>	Audio/Visual Equipment for OTC	OPN	2016	100	Electronic Security Systems (ESS) for OTC	OPN	2016	726	Furniture and Furnishings for OTC	OMN	2016	300	Operational Flight Trainer for OTC	APN	2018	27,200	Physical Security Equipment (PSE) for OTC	OPN	2016	106	Telecomm Equipment for OTC	OPN	2016	600
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Approp</u>	<u>FY Approp</u> <u>or Requested</u>	<u>Cost (\$000)</u>																													
Audio/Visual Equipment for OTC	OPN	2016	100																													
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Furniture and Furnishings for OTC	OMN	2016	300																													
Operational Flight Trainer for OTC	APN	2018	27,200																													
Physical Security Equipment (PSE) for OTC	OPN	2016	106																													
Telecomm Equipment for OTC	OPN	2016	600																													
JOINT USE CERTIFICATION: The Regional Commander certifies that this project has been considered for																																

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title E-2D Operational Trainer Complex	
5. Program Element 0805976N	6. Category Code 17135	7. Project Number P603	8. Project Cost (\$000) 8,716	
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 315-253-6172				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title Security Modifications - CVW5/MAG12 HQ	
5. Program Element 0805976N	6. Category Code 61010	7. Project Number P604	8. Project Cost (\$000) 9,207	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SECURITY MODIFICATIONS - CVW5/MAG12 HQ (6,458SF)	m2	600		8,240
CVW-5 CC61010 (3,014SF)	m2	280	5,201.99	(1,460)
MAG-12 CC61071 (3,444SF)	m2	320	5,201.99	(1,660)
CVW-5 CONSTRUCTION SECURITY COST CC61010	LS			(1,840)
MAG-12 CONSTRUCTION SECURITY COST CC61071	LS			(2,100)
SPECIAL COSTS	LS			(1,100)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(80)
SUBTOTAL				8,240
CONTINGENCY (5%)				410
TOTAL CONTRACT COST				8,650
SIOH (6.5%)				560
SUBTOTAL				9,210
TOTAL REQUEST ROUNDED				9,210
TOTAL REQUEST				9,207
10. Description of Proposed Construction:				
Project augments construction project funded and completed by the Government of Japan (GOJ) in accordance with the Defense Policy Review Initiative (DPRI) to relocate Carrier Air Wing FIVE (CVW-5) from Naval Air Facility, Atsugi Japan (NAFA) to Marine Corps Air Station, Iwakuni Japan (MCASI). DPRI project MC159-T, joint Carrier Air Wing 5 (CVW-5)/Marine Air Group 12 (MAG-12) headquarters building includes GOJ completing general construction of Sensitive Compartmented Information Facilities (SCIF) required to enable CVW-5 and MAG-12 operations post-relocation to MCASI. Throughout this document SCIF shall be referred to as secure space. The DODM 5105.21 Sensitive Compartmented Information Physical Security Manual through the Security Intelligence Community Directive (ICD) 705 does not allow host nation to perform secure space finish work. With this limitation in place, the E-2 secure space in the OTC constructed by the GOJ cannot be completed and thus will not meet critical mission requirements. US MILCON must continue the GOJ construction and finish the secure spaces				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title Security Modifications - CVW5/MAG12 HQ	
5. Program Element 0805976N	6. Category Code 61010	7. Project Number P604	8. Project Cost (\$000) 9,207	
in order to complete the OTC. Upon completion of GOJ general construction, this project will perform finish work in MC159-T using U.S. citizen workers in accordance with IC guidance. Finish work includes: construction of all electrical, communications and mechanical systems internal to the secured area. Installation of systems includes surface mounted conduit/plumbing with non-conductive couplings, wiring, plumbing and fixtures. Systems constructed under this project must tie into systems GOJ provides exterior to the area, or construct stand-alone systems. Finish work also includes installation of floor covering, acoustical ceiling, and interior walls, doors and door hardware. Operations and maintenance support information (OMSI) is included in this project. Special costs include Post-Construction Contract Award Services (PCAS) and include monitoring during Secure Compartmented Intelligence Facility (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 there are no abnormalities that could affect and compromise the security of the SCIF.				
11. Requirement: <u>600 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Perform secure construction finish work in the secure space located inside CVW-5/MAG-12 headquarters building that will be constructed by the GOJ. The secure space finish work must be performed by U.S. personnel. (Current Mission) REQUIREMENT: The secure space inside the headquarters building is necessary to support unit intelligence department functions. This is a replacement facility for facilities currently located in Naval Air Facility Atsugi. This project must be completed before the arrival of CVW-5 in 2017. CURRENT SITUATION: MCASI is undergoing a massive \$4.5 billion host nation funded infrastructure buildup including construction of MC159-T Headquarters Building to support the relocation of CVW-5 from NAFA as part of the U.S. and GOJ ATARA and DPRI bilateral defense agreement. IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title Security Modifications - CVW5/MAG12 HQ	
5. Program Element 0805976N	6. Category Code 61010	7. Project Number P604	8. Project Cost (\$000) 9,207	
If finish work is not completed by U.S. citizen workers, monitored by U.S. construction security oversight during secure space finish work, the secure space contained in this facility will be left unfinished, rendering the G0J constructed facility useless for its intended purpose and wasting G0J construction efforts and resources possibly damaging US host nation relations. This will significantly delay execution of the transfer of CVW-5 to MCASI in accordance with DPRI.				
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 05/2014 (C) Date design completed 03/2015 (D) Percent completed as of September 2014 35% (E) Percent completed as of January 2015 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 \$530 (B) All other design costs \$30 (C) Total \$560 (D) Contract \$450 (E) In-house \$110 4. Contract award: 02/2016 5. Construction start: 03/2016 6. Construction complete: 02/2017 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 315-253-6172				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M62613 MARINE CORPS AIR STATION IWAKUNI, JAPAN			4. Project Title Security Modifications - CVW5/MAG12 HQ	
5. Program Element 0805976N	6. Category Code 61010	7. Project Number P604	8. Project Cost (\$000) 9,207	
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015			
3. Installation and Location: M67400 MARINE CORPS BASE, CAMP SMEDLEY BUTLE KADENA AB, JAPAN				4. Command Commandant of the Marine Corps		5. Area Const Cost Index 1.77				
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1308	11325	4225	9	1982	1	0	0	15917	34767
	1334	11009	4137	20	2051	0	0	0	15917	34468
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(Acres)										
B. INVENTORY AS OF 30 SEP 2014										47,807
C. AUTHORIZATION NOT YET IN INVENTORY										5,820
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										23,310
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										0
H. GRAND TOTAL										76,937
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>			
11120	Aircraft Maint. Shelters & Apron (Kadena)	03/2014		06/2015		28974 m2	23,310			
TOTAL							23,310			
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 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
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 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maint. Shelters & Apron (Kadena)	
5. Program Element 0202176M	6. Category Code 12316	7. Project Number P809	8. Project Cost (\$000) 23,310	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRCRAFT MAINT. SHELTERS & APRON (KADENA) (311,874SF)	m2	28,974		16,440
12 ACFT MAINT SHELTERS CC12316 (58,803SF)	m2	5,463	1,499.49	(8,190)
AIRCRAFT PAVEMENT CC11320 (253,070SF)	m2	23,511	329.87	(7,760)
INFORMATION SYSTEMS	LS			(130)
SPECIAL COSTS	LS			(200)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(160)
SUPPORTING FACILITIES				4,410
SPECIAL CONSTRUCTION FEATURES	LS			(1,390)
SITE PREPARATIONS	LS			(1,740)
PAVING AND SITE IMPROVEMENTS	LS			(710)
ELECTRICAL UTILITIES	LS			(320)
MECHANICAL UTILITIES	LS			(250)
SUBTOTAL				20,850
CONTINGENCY (5%)				1,040
TOTAL CONTRACT COST				21,890
SIOH (6.5%)				1,420
SUBTOTAL				23,310
TOTAL REQUEST ROUNDED				23,310
TOTAL REQUEST				23,310
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(300)
10. Description of Proposed Construction: Constructs new hardstand, reconstructs the existing hardstands, and constructs flow-through aircraft maintenance shelters for apron parking in order to support F-35 aircraft. Constructs a concrete parking apron, and paved shoulder to accommodate the largest unit deployment program (UDP) aircraft. These aircraft will utilize the maintenance shelters as their designated parking spaces while on deployment. The shelters (flow through type) and slabs are to be reinforced concrete. Provide each shelter with high intensity discharge explosion proof (HID EP) lighting, electrical service points, compressed air service points driven by individual compressors, convenience outlets, and telecom/data service drops for				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maint. Shelters & Apron (Kadena)	
5. Program Element 0202176M	6. Category Code 12316	7. Project Number P809	8. Project Cost (\$000) 23,310	
maintenance personnel laptops. Project shall also include lightning arrestors and ground loop(s), exterior lighting and fire hydrants at all shelter locations. All these improvements will also prepare the base for the future deployment of Joint Strike Force fighters. Information systems include a telecommunication connection to each shelter. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and will comply with AT/FP regulation, and physical security mitigation in accordance with DoD Minimum Anti-terrorism Standards for Buildings. Special costs include Post Construction Contract Award Services (PCAS), geospatial and other digital data. Cultural and archeological monitoring and recording may be required. Operations and Maintenance Support Information (OMSI) is included in this project. 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. Special Construction Features include jet blast deflectors. Site preparation includes cut and compaction of soil, grading, leveling, compacting and removal of excess cut to a site off base for undeveloped areas, and demolition of existing concrete apron pads, pavement, and drainage structures required to support the proposed shelters and new pavement. Site preparation also includes cultural and archaeological monitoring and recording. Paving and site improvements include storm drains, catch basins, sodding, storm water management and pavement markings. Electrical utilities include electrical distribution and lightning protection. Mechanical utilities include water distribution and fire hydrant system. All construction/demolition work will be done in accordance with the Japan				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015								
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maint. Shelters & Apron (Kadena)									
5. Program Element 0202176M	6. Category Code 12316	7. Project Number P809	8. Project Cost (\$000) 23,310									
Environmental Governing Standards (JEGS). 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>28,974 m2</u> Adequate: Substandard: PROJECT: Constructs new hardstand, reconstructs the existing hardstands, and constructs maintenance shelters for apron parking in order to support F-35 aircraft. (New Mission) REQUIREMENT: An expanded aircraft apron area and hardened maintenance shelters are required to accommodate F-35 aircraft. CURRENT SITUATION: The existing hardstand was built in 1964 and is not suitable for the new F-35 aircraft which will deploy to Kadena Air base as part of the Marine Corps Unit Deployment Program (UDP). Additionally, hardened maintenance shelters for F-35 aircraft support/parking are currently non-existent at Kadena Air Base. IMPACT IF NOT PROVIDED: Aircraft will be exposed to the weather and natural elements, increasing maintenance activities on composite and low observable material, as well as exposing maintenance personnel and key aircraft components to harsh weather conditions during maintenance activities. Without the new flow-through maintenance shelters, the aircraft will not have lightning protection and grounding systems. Lack of these facilities would significantly reduce readiness of 1st Marine Air Wing, could result in degradation of operational capability, and may increase potential for a serious mishap. Adequate parking for F-35 aircraft would be unavailable, impacting ability to appropriately stage aircraft at Kadena Air base.												
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>03/2014</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>10/2014</td> </tr> <tr> <td>(C) Date design completed</td> <td>06/2015</td> </tr> <tr> <td>(D) Percent completed as of September 2014</td> <td>30%</td> </tr> </table>					(A) Date design or Parametric Cost Estimate started	03/2014	(B) Date 35% Design or Parametric Cost Estimate complete	10/2014	(C) Date design completed	06/2015	(D) Percent completed as of September 2014	30%
(A) Date design or Parametric Cost Estimate started	03/2014											
(B) Date 35% Design or Parametric Cost Estimate complete	10/2014											
(C) Date design completed	06/2015											
(D) Percent completed as of September 2014	30%											

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015												
3. Installation(SA)& Location/UIC: M67400(AK) MARINE CORPS BASE, CAMP SMEDLEY BUTLER (KADENA 6037) KADENA AB, JAPAN			4. Project Title Aircraft Maint. Shelters & Apron (Kadena)													
5. Program Element 0202176M	6. Category Code 12316	7. Project Number P809	8. Project Cost (\$000) 23,310													
(E) Percent completed as of January 2015 80% (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 \$1,178 (B) All other design costs \$580 (C) Total \$1,758 (D) Contract \$580 (E) In-house \$1,178 4. Contract award: 12/2015 5. Construction start: 01/2016 6. Construction complete: 01/2017 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Frequency converters: 72kw/270VDC (6)</td> <td>PMC</td> <td>2017</td> <td>300</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>	Frequency converters: 72kw/270VDC (6)	PMC	2017	300
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>													
<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>													
Frequency converters: 72kw/270VDC (6)	PMC	2017	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: DSN(315)645-5474																

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM							2. Date 02 FEB 2015		
3. Installation and Location: N61054 COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN					4. Command Commander Navy Installations Command			5. Area Const Cost Index 1.76		
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1098	8513	7248	0	0	0	131	850	0	17840
	1026	8175	7248	0	0	0	119	331	0	16899
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ..(2992 Acres)										
B. INVENTORY AS OF 30 SEP 2014										8,173,027
C. AUTHORIZATION NOT YET IN INVENTORY										0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM										13,846
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0
F. PLANNED IN NEXT THREE PROGRAM YEARS										0
G. REMAINING DEFICIENCY										0
H. GRAND TOTAL										8,186,873
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>			
74074	Child Development Center	10/2013		05/2016		1610 m2	13,846			
TOTAL								13,846		
9. Future Projects:										
A. Included In The Following Program:										
B. Major Planned Next Three Years:										
C. R&M Unfunded Requirement (\$000):										1,213,000
10. Mission or Major Functions:										
Maintains and operates base facilities for the logistic, recreational, administrative support and service of the U.S. Naval Forces Japan, U.S. SEVENTH Fleet and other operating forces forward-deployed in the Western Pacific.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
A. Pollution Abatement(*):										0
B. Occupational Safety and Health(OSH)(#):										0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N61054 COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	4. Command Commander Navy Installations Command	5. Area Const Cost Index 1.76

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61054 COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN			4. Project Title Child Development Center	
5. Program Element 0805176N	6. Category Code 74074	7. Project Number P023	8. Project Cost (\$000) 13,846	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CHILD DEVELOPMENT CENTER (17,330SF)	m2	1,610		9,200
CHILD DEVELOPMENT CENTER CC74074 (17,330SF)	m2	1,610	5,525	(8,900)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
SPECIAL COSTS	LS			(120)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
SUPPORTING FACILITIES				2,750
SITE PREPARATIONS	LS			(160)
SPECIAL FOUNDATION FEATURES	LS			(660)
PAVING AND SITE IMPROVEMENTS	LS			(470)
ELECTRICAL UTILITIES	LS			(180)
MECHANICAL UTILITIES	LS			(190)
DEMOLITION	LS			(1,090)
SUBTOTAL				11,950
CONTINGENCY (5%)				600
TOTAL CONTRACT COST				12,550
SIOH (6.5%)				820
SUBTOTAL				13,370
DESIGN/BUILD - DESIGN COST				480
TOTAL REQUEST ROUNDED				13,850
TOTAL REQUEST				13,846
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(600)
10. Description of Proposed Construction:				
Constructs a single story Child Development Center (CDC) facility building of reinforced concrete on a pile foundation. The facility will include a closed circuit TV system, intrusion detection system, a public address system, a fire protection system, heating, ventilation, and air conditioning system, mechanical and electrical utilities, and sound attenuation. Functional areas include a mechanical room, offices, toilets, staff lounge, kitchen, food storage, teacher's storage, teacher's preparation room, reception area, and activity rooms for infants, toddlers,				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N61054 COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN			4. Project Title Child Development Center	
5. Program Element 0805176N	6. Category Code 74074	7. Project Number P023	8. Project Cost (\$000) 13,846	
pre-toddlers, and preschoolers. Special costs include post construction contract award services (PCAS). Operations and maintenance support information (OMSI) is included in this project. 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. The project will demolish Building #F68 (2,318 m2).				
11. Requirement: <u>1,610 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs a new CDC to serve Fleet Activity Command (CFA). (Current Mission) REQUIREMENT: A properly-sized, modern, and accredited CDC designed to provide quality of life support to the military personnel assigned. The new CDC will replace Building #F68 which has a capacity of 85 children and will provide spaces for a total of 160 children. CURRENT SITUATION: Currently the CDC occupies a portion of Building #F68, which does not meet current and future demands for infants and pre-toddlers. In addition; the age of F68 (constructed 1938) and the structural stability of the building raises safety concerns. With the anticipated family base population growth due to the increase in forward deployed Naval Forces to be assigned, future demands for CDC program will also increase by 75 children. IMPACT IF NOT PROVIDED:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015																																														
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If this project is not provided, a large number of military personnel assigned to CFA will not be served by the existing on-base facility. The families will lack access to comparably-priced, accredited child care facilities within a reasonable distance from their work place. This will result in hardship for many families who must use more expensive, often less available and less accessible off-base child care facilities.																																																		
12. Supplemental Data: A. Estimated Design Data: 1. Status: <table style="width: 100%; border: none;"> <tr><td>(A) Date design or Parametric Cost Estimate started</td><td style="text-align: right;">10/2013</td></tr> <tr><td>(B) Date 35% Design or Parametric Cost Estimate complete</td><td style="text-align: right;">05/2014</td></tr> <tr><td>(C) Date design completed</td><td style="text-align: right;">05/2016</td></tr> <tr><td>(D) Percent completed as of September 2014</td><td style="text-align: right;">5%</td></tr> <tr><td>(E) Percent completed as of January 2015</td><td style="text-align: right;">5%</td></tr> <tr><td>(F) Type of design contract</td><td style="text-align: right;">Design Build</td></tr> <tr><td>(G) Parametric Estimate used to develop cost</td><td style="text-align: right;">No</td></tr> <tr><td>(H) Energy Study/Life Cycle Analysis performed</td><td style="text-align: right;">No</td></tr> </table> 2. Basis: <table style="width: 100%; border: none;"> <tr><td>(A) Standard or Definitive Design</td><td style="text-align: right;">No</td></tr> <tr><td>(B) Where design was previously used</td><td></td></tr> </table> 3. Total Cost (C) = (A) + (B) = (D) + (E): <table style="width: 100%; border: none;"> <tr><td>(A) Production of plans and specifications</td><td style="text-align: right;">\$690</td></tr> <tr><td>(B) All other design costs</td><td style="text-align: right;">\$180</td></tr> <tr><td>(C) Total</td><td style="text-align: right;">\$870</td></tr> <tr><td>(D) Contract</td><td style="text-align: right;">\$720</td></tr> <tr><td>(E) In-house</td><td style="text-align: right;">\$150</td></tr> </table> 4. Contract award: 02/2016 5. Construction start: 06/2016 6. Construction complete: 06/2017 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th style="text-align: right;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Close Circuit Monitoring</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">300</td> </tr> <tr> <td>Collateral Equipment</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">300</td> </tr> </tbody> </table> 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: (315) 243-9470					(A) Date design or Parametric Cost Estimate started	10/2013	(B) Date 35% Design or Parametric Cost Estimate complete	05/2014	(C) Date design completed	05/2016	(D) Percent completed as of September 2014	5%	(E) Percent completed as of January 2015	5%	(F) Type of design contract	Design Build	(G) Parametric Estimate used to develop cost	No	(H) Energy Study/Life Cycle Analysis performed	No	(A) Standard or Definitive Design	No	(B) Where design was previously used		(A) Production of plans and specifications	\$690	(B) All other design costs	\$180	(C) Total	\$870	(D) Contract	\$720	(E) In-house	\$150	<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>		Close Circuit Monitoring	OPN	2016	300	Collateral Equipment	OMN	2016	300
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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM						2. Date 02 FEB 2015		
3. Installation and Location: N62592 NAVSUPPFAC POLAND REDZIKOWO BASE, POLAND				4. Command Commander Navy Installations Command		5. Area Const Cost Index .97			
6. Personnel Strength: A. As Of 09-30-14 B. End FY 2019	PERMANENT			STUDENTS			SUPPORT		TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
7. INVENTORY DATA (\$000)									
A. TOTAL ACREAGE ..(Acres)									
B. INVENTORY AS OF 30 SEP 2014									0
C. AUTHORIZATION NOT YET IN INVENTORY									0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM									51,270
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM									0
F. PLANNED IN NEXT THREE PROGRAM YEARS									0
G. REMAINING DEFICIENCY									0
H. GRAND TOTAL									51,270
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>		
14835	AGEGIS Ashore Missile Defense Complex	09/2013	10/2015		7984 m2	51,270			
TOTAL							51,270		
9. Future Projects:									
A. Included In The Following Program:									
B. Major Planned Next Three Years:									
C. R&M Unfunded Requirement (\$000):									0
10. Mission or Major Functions:									
11. Outstanding Pollution and Safety Deficiencies (\$000):									
A. Pollution Abatement(*):									0
B. Occupational Safety and Health(OSH)(#):									0

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM	2. Date 02 FEB 2015
3. Installation and Location: N62592 NAVSUPPFAC POLAND REDZIKOWO BASE, POLAND	4. Command Commander Navy Installations Command	5. Area Const Cost Index .97

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N62592 NAVSUPPFAC POLAND REDZIKOWO BASE, POLAND			4. Project Title Aegis Ashore Missile Defense Complex	
5. Program Element 0212176N	6. Category Code 72127	7. Project Number P401	8. Project Cost (\$000) 51,270	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
AEGIS ASHORE MISSILE DEFENSE COMPLEX (85,939SF)	m2	7,984		35,100
MULTI PURPOSE FACILITY CC72127 (46,952SF)	m2	4,362	2,943.30	(12,840)
PUBLIC WORKS FACILITY CC21910 (9,741SF)	m2	905	4,610.61	(4,170)
FIRE STATION CC73010 (7,965SF)	m2	740	6,394.56	(4,730)
WAREHOUSE/POST OFFICE CC44110 (10,646SF)	m2	989	4,027.30	(3,980)
ACCESS CONTROL FACILITY CC73025 (3,574SF)	m2	332	14,690	(4,880)
SECURITY CONTROL FACILITY CC14365 (7,061SF)	m2	656	5,765.20	(3,780)
BUILT-IN EQUIPMENT	LS			(270)
SPECIAL COSTS	LS			(450)
SUPPORTING FACILITIES				10,750
SPECIAL CONSTRUCTION FEATURES	LS			(1,400)
SPECIAL FOUNDATION FEATURES	LS			(730)
PAVING AND SITE IMPROVEMENTS	LS			(1,990)
ELECTRICAL UTILITIES	LS			(3,320)
MECHANICAL UTILITIES	LS			(2,330)
ENVIRONMENTAL MITIGATION	LS			(980)
SUBTOTAL				45,850
CONTINGENCY (5%)				2,290
TOTAL CONTRACT COST				48,140
SIOH (6.5%)				3,130
SUBTOTAL				51,270
TOTAL REQUEST ROUNDED				51,270
TOTAL REQUEST				51,270
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(9,509)
10. Description of Proposed Construction: Constructs the necessary facilities to support the personnel operating the Aegis Ashore Missile Defense System (AAMDS) in Redzikowo, Poland. The general construction will consist of steel frames, block or insulated steel				

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5. Program Element 0212176N	6. Category Code 72127	7. Project Number P401	8. Project Cost (\$000) 51,270	
walls, built-up roof, concrete floors and pile foundation. The facilities will include public works; fire station; general warehouse with post office; a multi-purpose facility containing barracks, dining facility, physical fitness center, medical, recreation center, Navy exchange and administrative spaces, and a formal command entrance with flagpoles. Also to be provided are: access control facility containing gate house with pass/decal functions; vehicle inspection, overhead cover and guard tower; and security control facility with operations control center; armory; and security/administration spaces. Special costs include post construction contract award services (PCAS). 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. Special construction features includes the construction of a temporary man camp suitable for 135 personnel performing systems commissioning of equipment as well as security during construction. Pavement facilities include asphalt road accesses, access roads and roadways and includes parking for approximately 100 vehicles. The companion Missile Defense Agency (MDA) project FY 2016 MDA-640 Aegis Ashore Missile Defense Complex, Poland will construct base access road, perimeter roads and subsequent tree removal. Paving and site improvements include permeable pavement for playing court and a playing field and parking pavement for approximately 200 vehicles. Electrical utilities include roadway lighting, electrical distribution duct banks, electrical substation, transformers, meters, an emergency diesel generator and load bank. Communication includes distribution system, duct bank, and fiber optic cable. Enterprise land mobile radio infrastructure will be provided. Mechanical utilities will include a water distribution from main point of connection, for water, fire and medium temperature hot water, meters, and waste water removal. Environmental Mitigation required for potential removal of contaminated				

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5. Program Element 0212176N	6. Category Code 72127	7. Project Number P401	8. Project Cost (\$000) 51,270	
soil. Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria, and Host Nation requirements. 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>7,984 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u> PROJECT: Constructs non-mission support facilities required to establish the AAMDS Poland Site to support the Phase Adaptive Approach (PAA) for Europe. (New Mission) REQUIREMENT: MILCON MDA 630 Aegis Ashore Poland is a project to construct land-based Forward Operating Site (FOS) employing the Aegis ballistic missile defense (BMD) capabilities resident in DDG-113, an Arleigh Burke-class guided missile destroyer. This is part of the PAA for missile defense in Europe announced by the President on 17 September 2009. The Navy is responsible to provide adequate and efficiently configured baseline support facilities that are required to establish and maintain this MDA operational capability in Poland. The mission of P-401 will be to provide support to the Aegis BMD weapon system and supporting personnel. An agreement was signed on 20 Aug 2008 between the government of the United States of America and the government of the Republic of Poland concerning the deployment of ground based ballistic missile defense interceptors in the territory of the Republic of Poland within the Redzikowo Air Base boundary. MDA has been named the Acquisition Executive for the BMD System and Navy is the Lead Service. This project meets the Navy military requirements to provide support facilities. CURRENT SITUATION: Presently there is no established basic infrastructure to support AAMDS infrastructure and personnel at this site. IMPACT IF NOT PROVIDED: The AAMDS site will need to depend on temporary personnel support facilities to have basic services to support the ballistic missile interceptor site; the site is subject to extreme harsh weather conditions which would affect personnel capabilities support by temporary structures.				

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The critical missile defense capability to engage and destroy potential incoming missile threats is a national high priority and demands effective support to the personnel operating these systems. The MDA must meet the PAA Phase II timeline to deploy a land-based BMD capability in Europe in order to meet this national defense priority.																																								
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 05/2014 (C) Date design completed 10/2015 (D) Percent completed as of September 2014 35% (E) Percent completed as of January 2015 50% (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 \$1,600 (B) All other design costs \$2,468 (C) Total \$4,068 (D) Contract \$2,468 (E) In-house \$1,600 4. Contract award: 04/2016 5. Construction start: 06/2016 6. Construction complete: 06/2018 B. Equipment associated with this project which will be provided from other appropriations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th style="text-align: center;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Building Components (Furnishings)</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">2,164</td> </tr> <tr> <td>IT Systems Intergration</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">465</td> </tr> <tr> <td>MWR</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">750</td> </tr> <tr> <td>Medical</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">250</td> </tr> <tr> <td>Security and AT</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">1,000</td> </tr> <tr> <td>Telecommunications Networks</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">3,800</td> </tr> <tr> <td>Telephony</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2016</td> <td style="text-align: right;">1,080</td> </tr> </tbody> </table>					<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>	<u>Nomenclature</u>	<u>Approp</u>	<u>or Requested</u>		Building Components (Furnishings)	OMN	2017	2,164	IT Systems Intergration	OMN	2017	465	MWR	OPN	2017	750	Medical	OMN	2017	250	Security and AT	OPN	2016	1,000	Telecommunications Networks	OPN	2016	3,800	Telephony	OPN	2016	1,080
<u>Equipment</u>	<u>Procuring</u>	<u>FY Approp</u>	<u>Cost (\$000)</u>																																					
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JOINT USE CERTIFICATION: The Regional Commander certifies that this project has been considered for																																								

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3. Installation(SA)& Location/UIC: N62592 NAVSUPPFAC POLAND REDZIKOWO BASE, POLAND			4. Project Title Aegis Ashore Missile Defense Complex	
5. Program Element 0212176N	6. Category Code 72127	7. Project Number P401	8. Project Cost (\$000) 51,270	
joint use potential. Joint use is recommended. Activity POC: Project Development Lead Phone No: DSN 314-626-2790				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
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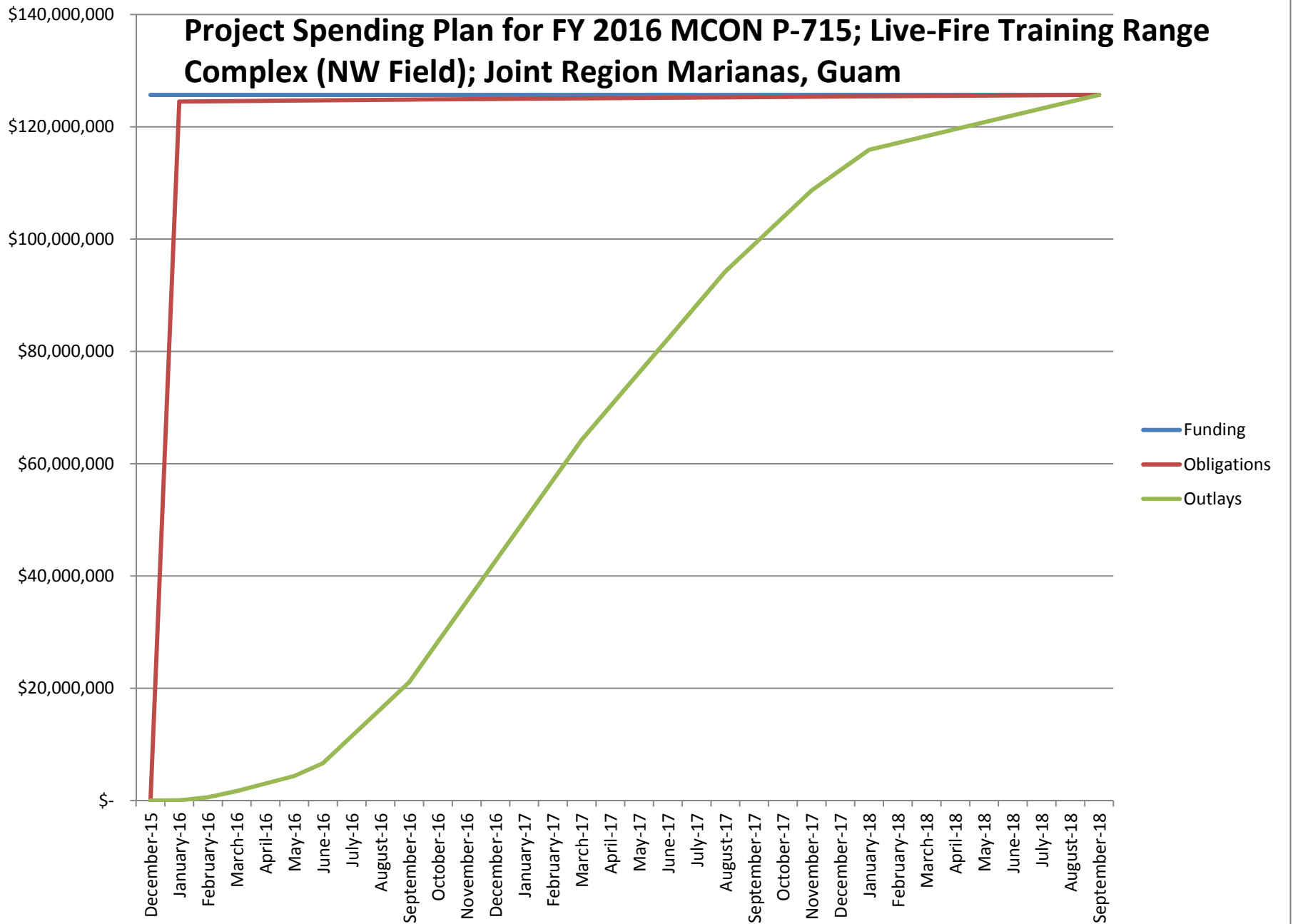
1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title MCON Design Funds	
5. Program Element	6. Category Code	7. Project Number P216	8. Project Cost (\$000) 91,649	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MCON DESIGN FUNDS	LS			91,650
DESIGN COSTS	LS			(91,650)
SUBTOTAL				91,650
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				91,650
SIOH (0%)				0
SUBTOTAL				91,650
TOTAL REQUEST ROUNDED				91,650
TOTAL REQUEST				91,649
10. Description of Proposed Construction: 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.				
11. Requirement: PROJECT: Planning and design funds. (Current Mission) REQUIREMENT: 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. CURRENT SITUATION: N/A IMPACT IF NOT PROVIDED: N/A				
12. Supplemental Data: A. Estimated Design Data:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title MCON Design Funds	
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1. Status: (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 2014 (E) Percent completed as of January 2015 (F) Type of design contract (G) Parametric Estimate used to develop cost (H) Energy Study/Life Cycle Analysis performed 2. Basis: (A) Standard or Definitive Design (B) Where design was previously used 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications (B) All other design costs (C) Total \$0 (D) Contract (E) In-house 4. Contract award: 5. Construction start: 6. Construction complete: B. Equipment associated with this project which will be provided from other appropriations: NONE JOINT USE CERTIFICATION: N/A Activity POC: Phone No:				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N64481 MINOR CONSTRUCTION UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title Unspecified Minor Construction	
5. Program Element	6. Category Code	7. Project Number P216	8. Project Cost (\$000) 22,590	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UNSPECIFIED MINOR CONSTRUCTION	LS			22,590
UNSPECIFIED MINOR CONSTRUCTION	LS			(22,590)
SUBTOTAL				22,590
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				22,590
SIOH (0%)				0
SUBTOTAL				22,590
TOTAL REQUEST ROUNDED				22,590
TOTAL REQUEST				22,590
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 (MILCON) appropriations.				
11. Requirement: PROJECT: DON UMC projects funded by MILCON appropriations. (Current Mission) REQUIREMENT: A MILCON 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 MILCON 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. Status: (A) Date design or Parametric Cost Estimate started				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROGRAM			2. Date 02 FEB 2015
3. Installation(SA)& Location/UIC: N64481 MINOR CONSTRUCTION UNSPECIFIED, WORLDWIDE LOCATIONS			4. Project Title Unspecified Minor Construction	
5. Program Element	6. Category Code	7. Project Number P216	8. Project Cost (\$000) 22,590	
(B) Date 35% Design or Parametric Cost Estimate complete (C) Date design completed (D) Percent completed as of September 2014 (E) Percent completed as of January 2015 (F) Type of design contract (G) Parametric Estimate used to develop cost (H) Energy Study/Life Cycle Analysis performed 2. Basis: (A) Standard or Definitive Design (B) Where design was previously used 3. Total Cost (C) = (A) + (B) = (D) + (E): (A) Production of plans and specifications (B) All other design costs (C) Total \$0 (D) Contract (E) In-house 4. Contract award: 5. Construction start: 6. Construction complete: B. Equipment associated with this project which will be provided from other appropriations: NONE JOINT USE CERTIFICATION: N/A Activity POC: Phone No:				

Project Spending Plan for FY 2016 MCON P-715; Live-Fire Training Range Complex (NW Field); Joint Region Marianas, Guam



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DEPARTMENT OF THE NAVY

FY 2016

BUDGET ESTIMATES



FAMILY HOUSING PROGRAM

**JUSTIFICATION DATA SUBMITTED TO
CONGRESS**

FEBRUARY 2015

**DEPARTMENT OF THE NAVY
NAVY/MARINE CORPS MILITARY FAMILY HOUSING
PRESIDENT’S BUDGET SUBMISSION
FISCAL YEAR 2016
INDEX**

	<u>Page</u>
INDEX	1
SUMMARY	
DON Narrative Summary	3
DON Program Summary	5
DON Inadequate Unit Elimination Summary (FH-11)	7
Navy Inadequate Unit Elimination Exhibits (FH-11/8)	9
Marine Corps Inadequate Unit Elimination Exhibits (FH-11/8)	15
LEGISLATIVE LANGUAGE	21
NEW CONSTRUCTION	
DON New Construction Summary	23
SCSC Wallops Island, Virginia	
<i>DD Form 1391 (H-106)</i>	25
CONSTRUCTION IMPROVEMENTS	
DON Construction Improvements Summary	29
Navy Construction Improvements Summary	31
Marine Corps Construction Improvements Summary	37
ADVANCE PLANNING AND DESIGN	
DON Advance Planning and Design Summary	43
O&M SUMMARY	
DON Operations and Maintenance Summary	45
DON Inventory Summary (FH-2)	47
Navy Inventory Summary (FH-2)	49
Marine Corps Inventory Summary (FH-2)	53
OPERATIONS	
DON Operations Summary	57
Navy Operations Exhibits (OP-5)	59
Marine Corps Operations Exhibits (OP-5)	63

UTILITIES

DON Utilities Summary	67
Navy Utilities Consumption Summary	69
Navy Utilities Exhibit (OP-5)	70
Marine Corps Utilities Consumption Summary	71
Marine Corps Utilities Exhibit (OP-5)	72

MAINTENANCE

DON Maintenance Summary	73
Navy Maintenance Exhibit (OP-5)	75
Marine Corps Maintenance Exhibit (OP-5)	77

MAINTENANCE & REPAIR OVER \$20K

DON M&R Over \$20K Exhibit	79

GFOQ MAINTENANCE & REPAIR OVER \$35K

DON GFOQ Summary	81
Navy GFOQ M&R Over \$35K Exhibit	83
Navy GFOQ O&M Over \$35K Exhibit (FH-5)	84
Navy GFOQ Greater Than 6,000 NSF Exhibit (FH-10)	85
Navy Privatized GFOQ O&M Over \$50K Exhibit (FH-12)	86
Marine Corps GFOQ O&M Over \$35K Exhibit	87
Marine Corps GFOQ M&R Over \$35K Exhibit (FH-5)	88
Marine Corps GFOQ Greater Than 6,000 NSF Exhibit (FH-10)	89
Marine Corps Privatized GFOQ O&M Over \$50K Exhibit (FH-12)	90

REIMBURSABLE PROGRAM

DON Reimbursable Summary	91
Navy Reimbursables Exhibit (OP-5)	93
Marine Corps Reimbursables Exhibit (OP-5)	95

LEASING

DON Leasing Summary	97
Navy Leasing Summary & Exhibits (FH-4)	99
Navy Leasing Exhibit (OP-5)	104
Marine Corps Leasing Summary & Exhibits (FH-4)	105
Marine Corps Leasing Exhibit (OP-5)	109

HOUSING PRIVATIZATION

DON PPV Narrative	111
Navy PPV Narrative	113
Navy Housing Privatization Exhibit (FH-6)	115
Navy Privatization Exhibit (OP-5)	119
Marine Corps PPV Narrative	121
Marine Corps Privatization Exhibit (FH-6)	123
Marine Corps Privatization Exhibit (OP-5)	129

FOREIGN CURRENCY

Navy Foreign Currency Exchange Data (PB-18)	131
Marine Corps Foreign Currency Exchange Data (PB-18)	133

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2016 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 2016 BUDGET ESTIMATE
PROGRAM SUMMARY

(\$000)

FY 2016 Budget Request \$369,577
FY 2015 Program Budget \$370,441

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 \$369,577
 - (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 2016 follows (\$000):

<u>Program</u>	<u>Navy</u>	<u>Marine Corps</u>	<u>DON Total</u>
<u>FH Construction</u>			
New Construction	438	0	438
Improvements	3,658	7,857	11,515
Planning and Design	3,975	613	4,588
Appropriation Request	8,071	8,470	16,541
Reimbursements	0	0	0
Sub-total FH Construction	8,071	8,470	16,541
<u>FH Operations</u>			
Management	49,597	6,592	56,189
Services	16,936	2,213	19,149
Furnishings	16,100	1,434	17,534
Miscellaneous	373	0	373
Utilities	61,615	6,077	67,692
Maintenance	91,289	8,034	99,323
Leasing	62,591	1,517	64,108
Privatization	17,272	11,396	28,668
Appropriation Request	315,773	37,263	353,036
Reimbursements	16,000	1,645	17,645
Sub-total FH Operations	331,773	38,908	370,681
Total FY16 Budget Request	323,844	45,733	369,577

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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 2016

	Number of Units - Worldwide						
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Beginning of FY Adequate Inventory Total	5,749	7,091	7,217	7,672	7,725	7,766	7,703
FCI of 90% to 100% (Good Condition)	3,595	4,782	4,864	4,317	4,407	4,377	4,436
FCI of 80% to 89% (Fair Condition)	2,154	2,309	2,353	3,355	3,318	3,389	3,267
Beginning of FY Inadequate Inventory Total	4,625	2,161	1,662	1,750	1,265	1,493	1,556
FCI of 60% to 79% (Poor Condition)	3,315	1,988	1,451	1,474	1,205	1,181	1,156
FCI of 59% and below (Failing Condition)	1,310	173	211	276	60	312	400
Beginning of FY Total Inventory	10,374	9,252	8,879	9,422	8,990	9,259	9,259
Percent Adequate - Beginning of FY Inventory	55%	77%	81%	81%	86%	84%	83%
Inadequate Inventory Reduced Through:	(2,464)	(499)	88	(485)	228	63	(337)
Construction (MILCON)	(215)	(50)	(18)	(105)	(207)	(150)	(329)
Maintenance & Repair (O&M)	(293)	(1)	(1)	(45)	0	0	(3)
Privatization	(602)	(107)	0	0	0	0	0
Demolition/Divestiture/Diversion/Conversion	(464)	(393)	(2)	(359)	(1)	0	(42)
Funded by Host Nation	0	0	0	0	0	0	0
Gain - Section 802 Lease Conversion	0	0	0	0	276	0	0
Additional Inadequate Units Identified	(890)	52	109	24	160	213	37
Adequate Inventory Changes:	(56)	127	545	(73)	(6)	0	(20)
Privatization	(268)	(119)	0	0	0	0	0
Loss - Demo/Divestiture/Diversion/Conversion	(2)	(10)	(95)	(73)	(6)	0	(20)
Gain - Host Nation/Diversion/Conversion	214	256	640	0	0	0	0
End of FY Adequate Inventory Total	7,091	7,217	7,672	7,725	7,766	7,703	7,978
FCI of 90% to 100% (Good Condition)	4,782	4,864	4,317	4,407	4,377	4,436	4,791
FCI of 80% to 89% (Fair Condition)	2,309	2,353	3,355	3,318	3,389	3,267	3,187
End of FY Inadequate Inventory Total	2,161	1,662	1,750	1,265	1,493	1,556	1,219
FCI of 60% to 79% (Poor Condition)	1,988	1,451	1,474	1,205	1,181	1,156	899
FCI of 59% and below (Failing Condition)	173	211	276	60	312	400	320
End of FY Total Inventory	9,252	8,879	9,422	8,990	9,259	9,259	9,197
Percent Adequate - End of FY Inventory	77%	81%	81%	86%	84%	83%	87%
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 2016

	Number of Units - Worldwide						
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Beginning of FY Adequate Inventory Total	5,039	6,180	6,043	5,840	5,881	5,898	5,923
FCI of 90% to 100% (Good Condition)	2,934	3,919	3,694	2,513	2,567	2,645	2,660
FCI of 80% to 89% (Fair Condition)	2,105	2,261	2,349	3,327	3,314	3,253	3,263
Beginning of FY Inadequate Inventory Total	4,521	2,100	1,608	1,714	1,241	1,217	1,192
FCI of 60% to 79% (Poor Condition)	3,303	1,975	1,439	1,474	1,205	1,181	1,156
FCI of 59% and below (Failing Condition)	1,218	125	169	240	36	36	36
Beginning of FY Total Inventory	9,560	8,280	7,651	7,554	7,122	7,115	7,115
Percent Adequate - Beginning of FY Inventory	53%	75%	79%	77%	83%	83%	83%
Inadequate Inventory Reduced Through:	(2,421)	(492)	106	(473)	(24)	(25)	(293)
Construction (MILCON)	(127)	0	0	(69)	(183)	(106)	(285)
Maintenance & Repair (O&M)	(293)	0	(1)	(45)	0	0	(3)
Privatization	(602)	(107)	0	0	0	0	0
Demolition/Divestiture/Diversion/Conversion	(464)	(393)	(2)	(359)	(1)	0	(42)
Funded by Host Nation	0	0	0	0	0	0	0
Additional Inadequate Units Identified²	(935)	8	109	0	160	81	37
Adequate Inventory Changes:	(214)	(129)	(95)	(73)	(6)	0	(20)
Privatization	(268)	(119)	0	0	0	0	0
Loss - Demo/Divestiture/Diversion/Conversion	(2)	(10)	(95)	(73)	(6)	0	(20)
Gain - Host Nation/Diversion/Conversion	56	0	0	0	0	0	0
End of FY Adequate Inventory Total	6,180	6,043	5,840	5,881	5,898	5,923	6,154
FCI of 90% to 100% (Good Condition)	3,919	3,694	2,513	2,567	2,645	2,660	2,971
FCI of 80% to 89% (Fair Condition)	2,261	2,349	3,327	3,314	3,253	3,263	3,183
End of FY Inadequate Inventory Total	2,100	1,608	1,714	1,241	1,217	1,192	899
FCI of 60% to 79% (Poor Condition)	1,975	1,439	1,474	1,205	1,181	1,156	899
FCI of 59% and below (Failing Condition)	125	169	240	36	36	36	0
End of FY Total Inventory	8,280	7,651	7,554	7,122	7,115	7,115	7,053
Percent Adequate - End of FY Inventory	75%	79%	77%	83%	83%	83%	87%
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. In 2014, the Navy refined how we calculate our FCI scores, by making an adjustment in how we account for Life Expectancy in our component scores of our Condition Assessment. Simply put, Navy Family Housing assessment business rules shifted the focus of non-building system components (i.e., finishes, fixtures, fittings, etc.) from Life Expectancy to Functionality, to better align with contemporary property management practices. We retained Life Expectancy focus on Age sensitive building systems (i.e., HVAC, Appliances, Roofing, etc.) to reflect the Family Housing's pro-active maintenance funding position. Additional Inadequate units shown in the outyears are due to annual degradation of homes attributed to less than optimal (100% of FSM) routine maintenance investment.

Explanation of Navy's Housing Investment Strategy

At current investment levels, the Navy will achieve the OSD goal of 90% FCI >80 by 2021. From FY 2014 to FY 2020, the Navy will reduce its inadequate inventory by 74% (~3,300 homes) by utilizing all available means. Additionally, the overall FH inventory is planned to decrease by 26% (~2,400 homes) as the Navy continues to demolish and divest itself of excess, inadequate homes. It should be noted that, of the remaining ~900 inadequate units by the end of FY 2020, 300 are sparsely occupied 2BR units at Atsugi & Sasebo, Japan and are being evaluated for demolition or replacement (with 3-4BR via Host Nation funds), as well as 230 located at Guantanamo Bay, Cuba. The balance is planned for renovation/replacement in FY 2021 and beyond.

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 2016

	Number of Units - U.S.						
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Beginning of FY Adequate Inventory Total	324	144	23	20	20	20	20
FCI of 90% to 100% (Good Condition)	57	25	1	16	16	15	15
FCI of 80% to 89% (Fair Condition)	267	119	22	4	4	5	5
Beginning of FY Inadequate Inventory Total	824	107	2	0	0	0	0
FCI of 60% to 79% (Poor Condition)	500	99	2	0	0	0	0
FCI of 59% and below (Failing Condition)	324	8	0	0	0	0	0
Beginning of FY Total Inventory	1,148	251	25	20	20	20	20
Percent Adequate - Beginning of FY Inventory	28%	57%	92%	100%	100%	100%	100%
Inadequate Inventory Reduced Through:	(717)	(105)	(2)	0	0	0	0
Construction (MILCON)							
Maintenance & Repair (O&M)							
Privatization	(602)	(107)					
Demolition/Divestiture/Diversion/Conversion	(26)		(2)				
Funded by Host Nation							
Additional Inadequate Units Identified	(89)	2					
Adequate Inventory Changes:	(269)	(119)	(3)	0	0	0	0
Privatization	(268)	(119)					
Loss - Demo/Divestiture/Diversion/Conversion	(1)		(3)				
Gain - Host Nation/Diversion/Conversion							
End of FY Adequate Inventory Total	144	23	20	20	20	20	20
FCI of 90% to 100% (Good Condition)	25	1	16	16	15	15	15
FCI of 80% to 89% (Fair Condition)	119	22	4	4	5	5	5
End of FY Inadequate Inventory Total	107	2	0	0	0	0	0
FCI of 60% to 79% (Poor Condition)	99	2	0	0	0	0	0
FCI of 59% and below (Failing Condition)	8	0	0	0	0	0	0
End of FY Total Inventory	251	25	20	20	20	20	20
Percent Adequate - End of FY Inventory	57%	92%	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, 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 2016

	Number of Units - Foreign						
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Beginning of FY Adequate Inventory Total	4,715	6,036	6,020	5,820	5,861	5,878	5,903
FCI of 90% to 100% (Good Condition)	2,877	3,894	3,693	2,497	2,551	2,630	2,645
FCI of 80% to 89% (Fair Condition)	1,838	2,142	2,327	3,323	3,310	3,248	3,258
Beginning of FY Inadequate Inventory Total	3,697	1,993	1,606	1,714	1,241	1,217	1,192
FCI of 60% to 79% (Poor Condition)	2,803	1,876	1,437	1,474	1,205	1,181	1,156
FCI of 59% and below (Failing Condition)	894	117	169	240	36	36	36
Beginning of FY Total Inventory	8,412	8,029	7,626	7,534	7,102	7,095	7,095
Percent Adequate - Beginning of FY Inventory	56%	75%	79%	77%	83%	83%	83%
Inadequate Inventory Reduced Through:	(1,704)	(387)	108	(473)	(24)	(25)	(293)
Construction (MILCON)	(127)			(69)	(183)	(106)	(285)
Maintenance & Repair (O&M)	(293)		(1)	(45)			(3)
Privatization							
Demolition/Divestiture/Diversion/Conversion	(438)	(393)		(359)	(1)		(42)
Funded by Host Nation							
Additional Inadequate Units Identified	(846)	6	109	0	160	81	37
Adequate Inventory Changes:	55	(10)	(92)	(73)	(6)	0	(20)
Privatization							
Loss - Demo/Divestiture/Diversion/Conversion	(1)	(10)	(92)	(73)	(6)		(20)
Gain - Host Nation/Diversion/Conversion	56						
End of FY Adequate Inventory Total	6,036	6,020	5,820	5,861	5,878	5,903	6,134
FCI of 90% to 100% (Good Condition)	3,894	3,693	2,497	2,551	2,630	2,645	2,956
FCI of 80% to 89% (Fair Condition)	2,142	2,327	3,323	3,310	3,248	3,258	3,178
End of FY Inadequate Inventory Total	1,993	1,606	1,714	1,241	1,217	1,192	899
FCI of 60% to 79% (Poor Condition)	1,876	1,437	1,474	1,205	1,181	1,156	899
FCI of 59% and below (Failing Condition)	117	169	240	36	36	36	0
End of FY Total Inventory	8,029	7,626	7,534	7,102	7,095	7,095	7,033
Percent Adequate - End of FY Inventory	75%	79%	77%	83%	83%	83%	87%

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
Family Housing, Navy
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2014	9,560	4,521	
FY 2014 total traditional military construction (MILCON) projects to eliminate inadequate housing units			420
HS-14-01; CFA Sasebo, Japan	749	264	68
HG-14-03; NB Guam, Guam	1,368	339	59
N/A; NSA Andersen, Guam (Maint/Major Repair)	1,021	650	225
N/A; CFA Yokosuka, Japan (Maint/Major Repair)	2,876	1,096	68
FY 2014 total units privatized (no longer require FH O&M) to eliminate inadequate housing	870	602	602
HP-13-03; Northwest Region PH II (Jackson Park, WA)	870	602	602
FY 2014 total units demolished/divested or otherwise permanently removed from family housing inventory	(410)		464
SCSC Wallops Island, VA (Demolition - Blades Circle)	(26)	46	26
NS Rota (Demolition - Las Flores/Las Palmeras)	(337)	498	337
NSA Andersen, Guam (Demolition - Capehart)	(101)	650	101
NSA Naples, Italy (Divest - Villa Nike)	(1)	0	0
NAS Corpus Christi, TX (Demolition)	(1)	0	0
NS Guantanamo Bay, Cuba (Add Back - Various) ¹	56	268	0
2014 Condition Assessment Adjustment²	0	935	0
Total Units at end of FY 2014	8,280	2,100	1,486

¹ Homes previously shown as planned for divestiture from FH are added back into the inventory to properly account for all FH assets at Guantanamo Bay, Cuba.

² Condition Assessment Adjustments are based on current year adequacy ratings, factoring in planned maintenance and a constant degradation factor. In FY 2014, projections indicate that the condition of 935 units in current inventory will shift from "inadequate" to "adequate." 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. In 2014, the Navy refined how we calculate our FCI scores, by making an adjustment in how we account for Life Expectancy in our component scores of our Condition Assessment. Simply put, Navy Family Housing assessment business rules shifted the focus of non-building system components (i.e., finishes, fixtures, fittings, etc.) from Life Expectancy to Functionality, to better align with contemporary property management practices. We retained Life Expectancy focus on Age sensitive building systems (i.e., HVAC, Appliances, Roofing, etc.) to reflect the Family Housing's pro-active maintenance funding position. Additional Inadequate units shown in the outyears are due to annual degradation of homes attributed to less than optimal (100% of FSM) routine maintenance investment.

**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			0
FY 2015 total units privatized (no longer require FH O&M) to eliminate inadequate housing	226	107	107
N/A; San Diego PH IV (Ventura, CA)	226	107	107
FY 2015 total units demolished/divested or otherwise permanently removed from family housing inventory	(403)		393
NB Guam, Guam (Demolition - Apra Palms)	(146)	441	146
NB Guam, Guam (Demolition - South Finegayan)	(233)	441	233
NS Guantanamo Bay, Cuba (Demolition - W. Bargo)	(14)	263	14
NAF Atsugi (Demolition - On-Base)	(10)	75	0
2015 Condition Assessment Adjustment¹	0	(8)	
Total Units at end of FY 2015	7,651	1,608	500

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 8 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 2016	7,651	1,608	
FY 2016 total traditional military construction (MILCON) projects to eliminate inadequate housing units			1
HW-16-02; SCSC Wallops Island, VA	20	2	0
H-238; SCSC Wallops Island, VA (Housing Service Center)	20	2	0
N/A; NS Guantanamo Bay, Cuba (Maint/Major Repair)	756	249	1
FY 2016 total units privatized (no longer require FH O&M) to eliminate inadequate housing			
FY 2016 total units demolished/divested or otherwise permanently removed from family housing inventory	(97)		2
SCSC Wallops Island, VA (Conversion - Skeeter Lane)	(5)	2	2
CFA Yokouka, Japan (Divestiture - Main Base)	(48)	649	0
CFA Sasebo, Japan (Divestiture - Main Base)	(44)	116	0
2016 Condition Assessment Adjustment¹	0	(109)	0
Total Units at end of FY 2016	7,554	1,714	3

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 109 units in current inventory will shift from "adequate" to "inadequate."

DEPARTMENT OF NAVY, MARINE CORPS
FH-11 Inventory and Condition¹ of Government-Owned, Family Housing Units
WORLDWIDE
(Number of Dwelling Units in Inventory)
Fiscal Year 2016

	Number of Units - Worldwide						
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Beginning of FY Adequate Inventory Total	710	911	1,174	1,832	1,844	1,868	1,780
FCI of 90% to 100% (Good Condition)	661	863	1,170	1,804	1,840	1,732	1,776
FCI of 80% to 89% (Fair Condition)	49	48	4	28	4	136	4
Beginning of FY Inadequate Inventory Total	104	61	54	36	24	276	364
FCI of 60% to 79% (Poor Condition)	12	13	12	0	0	0	0
FCI of 59% and below (Failing Condition)	92	48	42	36	24	276	364
Beginning of FY Total Inventory	814	972	1,228	1,868	1,868	2,144	2,144
Percent Adequate - Begin of FY Inventory	87%	94%	96%	98%	99%	87%	83%
Inadequate Inventory Reduced Through:	43	7	18	12	(252)	(88)	44
Construction (MILCON)	88	50	18	36	24	44	44
Maintenance & Repair (O&M)	0	1	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	(45)	(44)	0	(24)	(276)	(132)	0
Adequate Inventory Changes:	113	212	640	(24)	0	(132)	0
Privatization	0	0	0	0	0	0	0
Demolition/Divestiture/Diversion/Conversion	0	0	0	0	0	0	0
New Construction	158	256	640	0	0	0	0
Additional Inadequate Units Identified	(45)	(44)	0	(24)	0	(132)	0
End of FY Adequate Inventory Total	911	1,174	1,832	1,844	1,868	1,780	1,824
FCI of 90% to 100% (Good Condition)	863	1,170	1,804	1,840	1,732	1,776	1,820
FCI of 80% to 89% (Fair Condition)	48	4	28	4	136	4	4
End of FY Inadequate Inventory Total	61	54	36	24	276	364	320
FCI of 60% to 79% (Poor Condition)	13	12	0	0	0	0	0
FCI of 59% and below (Failing Condition)	48	42	36	24	276	364	320
End of FY Total Inventory	972	1,228	1,868	1,868	2,144	2,144	2,144
Percent Adequate - End of FY Inventory	94%	96%	98%	99%	87%	83%	85%
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) is not met starting in FY 2018 due to the conveyance of 276 25-year old, rental-guarantee units to the Government at the expiration of the Section 802 lease. The Marine Corps will continue to meet the 90% goal through FY 2020 if Marine Corps plans to privatize the 276 units are approved.

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 2016

	Number of Units - U.S.						
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Beginning of FY Adequate Inventory Total	80	79	80	80	80	80	80
FCI of 90% to 100% (Good Condition)	75	75	76	76	76	76	76
FCI of 80% to 89% (Fair Condition)	5	4	4	4	4	4	4
Beginning of FY Inadequate Inventory Total	0	1	0	0	0	276	276
FCI of 60% to 79% (Poor Condition)	0	1	0	0	0	0	0
FCI of 59% and below (Failing Condition)	0	0	0	0	0	276	276
Beginning of FY Total Inventory	80	80	80	80	80	356	356
Percent Adequate - Beginning of FY Inventory	100%	99%	100%	100%	100%	22%	22%
Inadequate Inventory Reduced Through:	(1)	1	0	0	(276)	0	0
Construction (MilCon)							
Maintenance & Repair (O&M)		1					
Privatization							
Demolition/Divestiture/Diversion/Conversion							
Funded by Host Nation							
Additional Inadequate Units Identified	(1)				(276)		
Adequate Inventory Changes:	(1)	0	0	0	0	0	0
Privatization							
Demolition/Divestiture/Diversion/Conversion							
New Construction							
Additional Inadequate Units Identified	(1)						
End of FY Adequate Inventory Total	79	80	80	80	80	80	80
FCI of 90% to 100% (Good Condition)	75	76	76	76	76	76	76
FCI of 80% to 89% (Fair Condition)	4	4	4	4	4	4	4
End of FY Inadequate Inventory Total	1	0	0	0	276	276	276
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	276	276	276
End of FY Total Inventory	80	80	80	80	356	356	356
Percent Adequate - End of FY Inventory	99%	100%	100%	100%	22%	22%	22%

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 2016

	Number of Units - Foreign						
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Beginning of FY Adequate Inventory Total	630	832	1,094	1,752	1,764	1,788	1,700
FCI of 90% to 100% (Good Condition)	586	788	1,094	1,728	1,764	1,656	1,700
FCI of 80% to 89% (Fair Condition)	44	44	0	24	0	132	0
Beginning of FY Inadequate Inventory Total	104	60	54	36	24	0	88
FCI of 60% to 79% (Poor Condition)	12	12	12	0	0	0	0
FCI of 59% and below (Failing Condition)	92	48	42	36	24	0	88
Beginning of FY Total Inventory	734	892	1,148	1,788	1,788	1,788	1,788
Percent Adequate - Beginning of FY Inventory	86%	93%	95%	98%	99%	100%	95%
Inadequate Inventory Reduced Through:	44	6	18	12	24	(88)	44
Construction (MilCon)	88	50	18	36	24	44	44
Maintenance & Repair (O&M)							
Privatization							
Demolition/Divestiture/Diversion/Conversion							
Funded by Host Nation							
Additional Inadequate Units Identified	(44)	(44)	0	(24)	0	(132)	0
Adequate Inventory Changes:	114	212	640	(24)	0	(132)	0
Privatization							
Demolition/Divestiture/Diversion/Conversion							
New Construction	158	256	640				
Additional Inadequate Units Identified	(44)	(44)	0	(24)	0	(132)	0
End of FY Adequate Inventory Total	832	1,094	1,752	1,764	1,788	1,700	1,744
FCI of 90% to 100% (Good Condition)	788	1,094	1,728	1,764	1,656	1,700	1,744
FCI of 80% to 89% (Fair Condition)	44	0	24	0	132	0	0
End of FY Inadequate Inventory Total	60	54	36	24	0	88	44
FCI of 60% to 79% (Poor Condition)	12	12	0	0	0	0	0
FCI of 59% and below (Failing Condition)	48	42	36	24	0	88	44
End of FY Total Inventory	892	1,148	1,788	1,788	1,788	1,788	1,788
Percent Adequate - End of FY Inventory	93%	95%	98%	99%	100%	95%	98%

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
Family Housing, Marine Corps
Annual Inadequate Family Housing Units Elimination**

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2014	814	104	
FY 2014 total traditional military construction (MILCON) projects to eliminate inadequate housing units	892	148	88
IW-H-1403-R2 & IW-H-0901-R2 (FY13); MCAS Iwakuni, JA ¹	892	148	88
FY 2014 total units privatized (no longer require FH O&M) to eliminate inadequate housing	0	0	0
FY 2014 total units demolished/divested or otherwise permanently removed from family housing inventory	0	0	0
Other Inventory Gains/Losses²	158	0	0
2014 Condition Assessment Adjustment³		45	
Total Units at end of FY 2014	972	61	88

¹ FY13 Improvement project in Iwakuni was delayed until FY14 to focus on year end expiring fund projects.

² Other Inventory Gains/Losses includes the addition of 158 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. In 2014, 45 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 2015	972	61	
FY 2015 total traditional military construction (Milcon) projects to eliminate inadequate housing units	1,153	105	51
IW-H-1502-R2 & IW-H-1402-R2 (FY14) MCAS Iwakuni, JA ¹	1,148	104	50
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/Losses²	256	0	0
2015 Condition Assessment Adjustment³		44	
Total Units at end of FY 2015	1,228	54	51

¹ FY14 Improvement project in Iwakuni was delayed until FY15.

² Other Inventory Gains/Losses includes the addition of 256 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. 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	1,228	54	
FY 2016 total traditional military construction (Milcon) projects to eliminate inadequate housing units	1,148	54	18
IW-H-0702-R2; MCAS Iwakuni, JA	1,148	54	18
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	640	0	0
2016 Condition Assessment Adjustment²		0	
Total Units at end of FY 2016	1,868	36	18

¹ Other Inventory Gains/Losses includes the addition of 640 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.

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2016 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, [\$16,412,000] \$16,541,000 to remain available until September 30, [2019] 2020.

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, minor construction, principal and interest charges, and insurance premiums, as authorized by law, [\$354,029,000] \$353,036,000.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING

(\$000)

FY 2016 Budget Request	\$438
FY 2015 Program Budget	\$0

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 one Housing Service Center; and,
- (2) Appropriation of \$438 to fund this construction program.

<u>Activity</u>	<u>Mission</u>	<u>No. of Homes</u>	<u>Amount</u>
SCSC Wallops Island	Current	<u>1</u>	<u>\$ 438</u>
Total		1	\$ 438

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1.Component NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2.Date 12 JAN 2015
3. Installation and Location: SURFACE COMBAT SYSTEM CENTER WALLOPS ISLAND, VA		4. Project Title CONSTRUCT HOUSING SERVICE CENTER		
5.Program Element 0808741N	6.Category Code 711	7. Project Number H-238	8. Project Cost (\$000) AUTH: \$438 APPR: \$438	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
Family Housing:	FA			0
Buildings	GSM			()
Supporting Costs:				380
Lot Costs				(11)
Site Improvements				(17)
Utility Mains				(44)
Streets				(0)
Landscaping				(0)
Recreation				(0)
Environmental				(0)
Demolition				(0)
Other Site Work				(2)
Land Purchase				(0)
Housing Office	LS	1	306,000	(306)
Subtotal				380
Contingency (5%)				19
Total Contract Cost				399
SIOH (5.7%)				23
Planning & Design (4%)				16
Project Cost				438
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Construct a 1-story Family Housing Service Center (HSC) at the entrance to Skeeter Lane, adjacent to the current Housing Service Center, which will be returned to an assignable Family Housing living unit by separate project. The 186 SM (2,000 SF) Family HSC consists of the Family Housing (FH) Installation Manager's Office, conference room, waiting area, kitchenette, supply storage, & restrooms. The facility will be served by existing utilities (electrical, water, & sewer) which serves the neighborhood and will be extended a modest distance to access this facility. An off-street parking lot for 3-4 vehicles will be included. The facility shall align itself aesthetically with the architectural character of the Skeeter Lane Neighborhood and shall adhere to energy efficiency and environmentally				

1.Component NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA				2.Date 12 JAN 2015																					
3. Installation and Location: SURFACE COMBAT SYSTEM CENTER WALLOPS ISLAND, VA					4. Project Title CONSTRUCT HOUSING SERVICE CENTER																					
5.Program Element 0808741N	6.Category Code 711	7. Project Number H-238			8. Project Cost (\$000) AUTH: \$438 APPR: \$438																					
responsible construction requirements. <table border="1"> <thead> <tr> <th>Paygrade</th> <th>Bedrooms</th> <th>NSF</th> <th>GSF</th> <th>GSM</th> <th>Project Factor</th> <th>Cost Per GSM</th> <th>No. Units</th> <th>(\$000) Total</th> </tr> </thead> <tbody> <tr> <td colspan="9">Total Project Size:</td> </tr> </tbody> </table>									Paygrade	Bedrooms	NSF	GSF	GSM	Project Factor	Cost Per GSM	No. Units	(\$000) Total	Total Project Size:								
Paygrade	Bedrooms	NSF	GSF	GSM	Project Factor	Cost Per GSM	No. Units	(\$000) Total																		
Total Project Size:																										
11. REQUIREMENT <u>PROJECT:</u> This project constructs one HSC for use of staff and personnel stationed at Wallops Island Surface Combat System Center. (Current Mission) <u>REQUIREMENT:</u> A HSC is required to provide assignment and termination support services, trouble call/support services, and community referral services for military service members, their families, and DoD civilians who are stationed at Wallops Island. DoD Manual 4165.63, 'Housing Management', requires "all personnel and their families are provided housing relocation and referral services....these services should be at a time and location convenient and flexible to meet the needs of customers..." (DoD 4165.63, Enclosure 3, para 4, a., (1)). UFC 4-711-01, Family Housing, provides typical sizes for support facilities (Table 2-4). A minimum size of 2,000 s.f. is listed for a 'Small' neighborhood. <u>CURRENT SITUATION:</u> The current HSC is located in Unit #201 Skeeter Lane, a converted-two bedroom duplex unit. This facility is out of compliance with DoD standards, and results in unsatisfactory living conditions for the adjacent duplex residents due to the volume of contractors, trucks, and noise at the Service Center. Additionally, this two bedroom unit is planned for a renovation in FY16, converting it back to an active family housing unit. <u>IMPACT IF NOT PROVIDED:</u> Without a new HSC, the Installation Housing Manager will have to be provided an office to meet with current and potential residents elsewhere on the Installation, separate from the neighborhood. This causes two significant issues. First, the Installation will not be able to comply with DoD requirement to provide Housing Services at a location convenient and flexible to meet the needs of customers. Secondly, since the Installation Housing Manager also acts as the on-site Manager for the military family housing units on Skeeter Lane, the lack of an on-site HSC will also impact the ability to effectively manage and maintain the community. There are no other viable alternatives on or near the base as Wallops Island does not have a Fleet and Family Service Center or any other similar servicing building in which to co-locate.																										

1.Component NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA		2.Date 12 JAN 2015
3. Installation and Location: SURFACE COMBAT SYSTEM CENTER WALLOPS ISLAND, VA		4. Project Title CONSTRUCT HOUSING SERVICE CENTER	
5.Program Element 0808741N	6.Category Code 711	7. Project Number H-238	8. Project Cost (\$000) AUTH: \$438 APPR: \$438
12. SUPPLEMENTAL Contract Award: 6/2016 Construction Start: 9/2016 Construction Complete: 9/2017 Activity POC: Installation Housing Director Phone No: 757-824-5381			

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
CONSTRUCTION IMPROVEMENTS

(\$000)

FY 2016 Budget Request	\$ 11,515
FY 2015 Program Budget	\$ 15,940

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 \$11,515,000 (\$3,658,000 for the Navy and \$7,857,000 for the Marine Corps) to fund these revitalization projects.

1. Component DON	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2. Date 12 JAN 2015
3. Installation and Location: NAVAL AND 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: \$11,515 APPR: \$11,515	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost (\$000)
AUTHORIZATION REQUEST	L/S	---	---	11,515
TOTAL REQUEST				11,515
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 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. <u>IMPACT IF NOT PROVIDED:</u> The Department of the Navy will have a large segment of the family housing inventory and supporting neighborhoods which fall below Department of Defense and Navy standards for quality housing, therefore 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 NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. Date 12 JAN 2015
3. Installation and Location: NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. Project Title FAMILY HOUSING POST-ACQUISITION CONSTRUCTION		5. Project Number HW-16-02
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		((\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>		
<u>VIRGINIA</u>		
SCSC Wallops Island (HW-16-02)		3,658
This project will revitalize and convert 20 officer and enlisted units down to 15 units. Work involves the complete renovation to kitchens, living rooms, bathrooms, laundry rooms, and bedrooms to include flooring, wall coverings, cabinetry, fittings, lighting fixtures, windows, appliances, and doors. This project will convert two-bedroom duplexes into a single four-bedroom unit and in other cases add additional square footage in the form of master suites to ensure these homes are up to current living standards.		

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1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2. Date 12 JAN 2015	
3. Installation and Location: SURFACE COMBAT SYSTEM CENTER WALLOPS ISLAND, VA			4. Project Title SKEETER LANE RENOVATION & CONVERSION		
5. Program Element 0808742N	6. Category Code 711	7. Project Number HW-16-02	8. Project Cost (\$000) \$3,658		
9. COST ESTIMATES					
Item	UM	Quantity	Unit Cost	Cost(\$000)	
WHOLEHOUSE IMPROVEMENT	EA	20	183	3658	
Area Cost Factor: 0.99					
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
This improvement project consists of the following components: Skeeter Lane: Converting 10 2-bedroom officer and enlisted duplexes into five single, 4-bedroom, two-car garage homes. Four other existing 2-bedroom duplex units will become 3-bedroom units with family rooms; adding a bedroom, master bathroom complete with sink, toilet, and bathtub/shower, and family room. Two existing 3-bedroom duplex units will have a family room added, and four existing 4-bedroom units will have a family room added. In addition to floor plan updates for compliance with current Navy guidance, a whole house revitalization will be performed on all 15 units located on Skeeter Lane. These improvements will include the following: living and dining area, kitchen, hallways, bedrooms, bathrooms, utility areas, laundry area, and screened porch. Renovation/Revitalization work consists of the following: Upgrade kitchen area by replacing existing laminated kitchen countertop/cabinets with solid surface countertop and modern cabinetry with pantry, and provide ceramic wall tiles and backsplash. Replace worn kitchen appliances to include refrigerators, electric ranges, microwaves, and dishwashers. Replace faucets and fittings, garbage disposal, dishwasher connections, kitchen sink, and range hood, including code compliant ventilation system. Provide kitchen with ground fault circuit interrupter (GFCI) receptacle and appropriate service panel to meet current electrical codes for dwelling units. Replace kitchen overhead lighting. Replace bathroom vanities, wall tiles, countertops with solid surface, and accessories.					

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2. Date 12 JAN 2015
3. Installation and Location: SURFACE COMBAT SYSTEM CENTER WALLOPS ISLAND, VA			4. Project Title SKEETER LANE RENOVATION & CONVERSION	
5. Program Element 0808742N	6. Category Code 711	7. Project Number HW-16-02	8. Project Cost (\$000) \$3,658	
Replace worn-out architectural finishes including: -Front door, interior wood doors, frames and hardware, and storm screen doors -interior flooring: all to be returned as carpet (private areas), wood/wood-composite flooring (public areas), or ceramic tiles -Windows and window blinds -Paint interior walls and ceiling -Paint garage Replace exterior siding, provide additional insulation as appropriate to meet current requirements, and refinish or replace shutters. Remove existing roofing down to plywood decking and replace with new roofing system, including insulation as appropriate to meet current requirements. Provide new gutters equipped with gutter screens. Remove existing wooden fence and replace with 6 foot vinyl privacy fence, equipped with a gate so backyard is accessible from outside the unit. Construct approximately 8 ft by 10 ft concrete patio off of new family room at each unit. Regrade perimeter of each unit as necessary at areas of poor drainage. Provide three ft landscape perimeter of rocks and well-draining plants to address on-going drainage problems. Upgrade and replace HVAC with energy-efficient ducted system. Replace water lines, and upgrade piping system as needed to include requirement for new automatic fire sprinkler system in each unit. Repair and replace interior gypsum board affected by installation of fire sprinkler system. Replace plumbing fixtures with water and energy-efficient consuming devices such as water heater with solar preheat, lavatory including faucets and fittings, water closet, bathtubs with shower/mixing valve, toilet accessories, and exhaust fans. Replace electrical conduit, wiring, and fixtures. Provide GFCI wherever required by building code. Include two or more power receptacles in each added room. Provide separate jacks for TV, telephone, and internet in living and dining area, family room, and each bedroom. Provide light fixtures with energy-efficient fluorescent lights throughout the home. The energy efficiency strategy for this project will include first reducing the energy footprint, and then providing that energy in a renewable and cost-managed way. To reduce the overall need for energy in the units, when the siding and roofing is				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2. Date 12 JAN 2015
3. Installation and Location: SURFACE COMBAT SYSTEM CENTER WALLOPS ISLAND, VA			4. Project Title SKEETER LANE RENOVATION & CONVERSION	
5. Program Element 0808742N	6. Category Code 711	7. Project Number HW-16-02	8. Project Cost (\$000) \$3,658	
replaced, new insulation will be added into existing walls and roof joist space. Additionally, old HVAC systems will be replaced with high-SEER, low-energy-use models and associated duct insulation will be refreshed. Funding is included for a photovoltaic solar array on the extensive available land adjacent to the units, to be sized to generate 100% of needed electricity for the remaining 15 homes. The units will be renovated/converted based on the LEED for Homes environmentally responsible program as well, which will take all aspects of energy efficiency and environmental responsibility into consideration in the detailed decisions of the project. This project will comply with the Americans with Disabilities Act (ADA)/Architectural Barrier Act (ABA). It will also comply with current Navy policies as outlined in Unified Facilities Criteria (UFC) 4-711-01 Family Housing, and current industry building and safety codes as applicable. Fire protection to conform to the UFC-3-600-01 Fire Protection Engineering for Facilities and UFC-3-600-10N for smoke detection and fire extinguishers. Supporting costs include underground utility connections, walkway adjacent to the front door, new driveway paving, landscaping at each home and within the neighborhood, repairs to existing sidewalks, and replacement of street lamps/lights as required. This project may provide for removal or remediation of environmental issues, if applicable. Recreational facilities are not included in this project. 11. REQUIREMENT: <u>PROJECT:</u> This project will reduce the Wallops Island inventory by consolidating the government-owned inventory at Skeeter Lane. The project will reduce the total FH inventory at Wallops Island to 15. Additionally, this project will invest in the remaining 15 homes to bring them into compliance and adequacy with current Navy standards. (Current Mission) <u>REQUIREMENT:</u> This project is required to remove excess inventory and to correct deficiencies and modernize remaining FH homes. There is not a requirement for 2-bedroom homes at Wallops Island and this project will remove all 2-bedroom units from inventory, converting them to 4-bedroom units, or adding a bedroom to make them 3-bedroom units. These units were constructed in 1999 and have not been renovated since their original build. The improvement work should extend the useful life of these units for another 20 years. <u>CURRENT SITUATION:</u>				

1. Component NAVY	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2. Date 12 JAN 2015						
3. Installation and Location: SURFACE COMBAT SYSTEM CENTER WALLOPS ISLAND, VA			4. Project Title SKEETER LANE RENOVATION & CONVERSION							
5. Program Element 0808742N	6. Category Code 711	7. Project Number HW-16-02	8. Project Cost (\$000) \$3,658							
The 10 duplexes on Skeeter Lane are in need of repairs. Mechanical components and exterior envelope materials are deteriorating, and have reached their life expectancy. The majority of the 14 2-bedroom homes remain constantly vacant, as there is no longer a requirement for 2-bedroom units. The 3 and 4 bedroom homes are lacking family rooms as required by current guidance. None of these homes are currently fitted with energy conservation features. <u>IMPACT IF NOT PROVIDED:</u> Without this project, these homes will continue to fall short of DoD construction standards. Occupancy levels will continue to fall and families will choose to reside on the economy in unsuitable housing instead of in government housing at Wallops Island. The Navy will be required to pay for Housing operational costs and pay for Service Members to live on the economy (BAH). 12. SUPPLEMENTAL <table> <tr> <td>Contract Award:</td> <td>8/2016</td> </tr> <tr> <td>Construction Start:</td> <td>10/2016</td> </tr> <tr> <td>Construction Complete:</td> <td>3/2018</td> </tr> </table> Activity POC: Installation Housing Manager Phone No: 757-824-5381					Contract Award:	8/2016	Construction Start:	10/2016	Construction Complete:	3/2018
Contract Award:	8/2016									
Construction Start:	10/2016									
Construction Complete:	3/2018									

1. COMPONENT MARINE CORPS	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 12 JAN 2015
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>		<u>CURRENT WORKING ESTIMATE</u>
<u>OUTSIDE THE UNITED STATES</u>		
<u>JAPAN</u>		
MCAS Iwakuni (IW-H-0702-R2)		7,857
This project revitalizes 18 enlisted family housing units located in the Monzen Housing Area at MCAS Iwakuni, Japan. Sustainment work includes: Exterior painting; repairing and painting/resurfacing all interior walls and ceilings; repairing and repainting all doors and hardware and closet shelving; and repairing cracked/broken concrete sub-base. Replacing: deteriorated roofing and flashing; service coat metal roof, drains and gutters; disfigured window and door assemblies and screens; kitchen and bathroom cabinets, fixtures and hardware; all vinyl composition and sheet vinyl flooring; 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 interior TV, telephone and internet access receptacles and wiring. Modernization work includes: Installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring. (See Separate DD Form 1391). 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 79% of the replacement cost. Although the life-cycle costs for revitalization is 114% of the life-cycle costs for replacement, the facilities, built by the Government of Japan (GOJ), will only be 30 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.		

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1. Component MARINE CORPS	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2. Date 12 JAN 2015
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MONZEN TOWNHOUSES PHASE 3		
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-0702-R2	8. Project Cost (\$000) \$7,857	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
Family Housing Improvement	EA	18	437	7857
Yen Exchange Rate ¥97.0535/\$1 Area Cost Factor 1.66				
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
This project revitalizes 18 enlisted family housing units located in the Monzen Housing Area at MCAS Iwakuni, Japan. Sustainment work includes: Exterior painting; repairing and painting/resurfacing all interior walls and ceilings; repairing and repainting all doors and hardware and closet shelving; and repairing cracked/broken concrete sub-base. Replacing: deteriorated roofing and flashing; service coat metal roof, drains and gutters; disfigured window and door assemblies and screens; kitchen and bathroom cabinets, fixtures and hardware; all vinyl composition and sheet vinyl flooring; 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 interior TV, telephone and internet access receptacles and wiring. Modernization work includes: Installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring.				
11. REQUIREMENT				
<u>PROJECT:</u> This project will renovate 18 enlisted family housing in the Monzen Housing Area, Marine Corps Air Station Iwakuni, Japan. <u>REQUIREMENT:</u> The Phase 3 Monzen enlisted family homes consist of 18 three-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 1986, the Monzen enlisted 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 awarded, the				

1. Component MARINE CORPS	FY 2016 MILITARY CONSTRUCTION PROJECT DATA		2. Date 12 JAN 2015
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MONZEN TOWNHOUSES PHASE 3	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-0702-R2	8. Project Cost (\$000) \$7,857
CURRENT SITUATION (continued): Facility will be 30 years into its 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 2004. 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 16 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 28 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 28 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 28 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: ▪ The roof top scuppers and drains must be replaced, as they are severely corroded and no longer function properly.			

1. Component MARINE CORPS	FY 2016 MILITARY CONSTRUCTION PROJECT DATA		2. Date 12 JAN 2015
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JA IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MONZEN TOWNHOUSES PHASE 3	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-0702-R2	8. Project Cost (\$000) \$7,857
<u>CURRENT SITUATION (continued):</u> ▪ 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 1986, 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: ▪ 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> 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"			

1. Component MARINE CORPS	FY 2016 MILITARY CONSTRUCTION PROJECT DATA		2. Date 12 JAN 2015
3. Installation and Location MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MONZEN TOWNHOUSES PHASE 3	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-0702-R2	8. Project Cost (\$000) \$7,857

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL:
 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 79% of the replacement cost. Although the life-cycle costs for revitalization is 114% of the life-cycle costs for replacement, the facilities, built by the Government of Japan (GOJ), will only be 30 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.

12. SUPPLEMENTAL

Contract Award:	6/2016
Construction Start:	10/2016
Construction Complete:	9/2017

POC: Facilities Dept./Family Housing Div. Phone No: DSN 315-253-4566

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
ADVANCE PLANNING AND DESIGN

(\$000)

FY 2016 Budget Request	\$4,588
FY 2015 Program Budget	\$ 472

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 \$4,588,000 (\$3,975,000 for the Navy and \$613,000 for the Marine Corps) to fund New Construction and Improvements design requirements.

1. Component DON	FY 2016 MILITARY CONSTRUCTION PROJECT DATA			2. Date 12 JAN 2015	
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: \$4,588 APPN: \$4,588		
9. COST ESTIMATES					
Item	UM	Quantity	Unit Cost	Cost (\$000)	
ADVANCE PLANNING AND DESIGN		---	---		
NEW CONSTRUCTION	L/S	---	---	(3,600)	
IMPROVEMENTS	L/S	---	---	(988)	
TOTAL REQUEST				\$4,588	
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. <u>IMPACT IF NOT PROVIDED:</u> Project execution schedules for Fiscal Years 2017 and 2018 will not be met.					

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2016 BUDGET ESTIMATE
OPERATION AND MAINTENANCE NARRATIVE SUMMARY

(\$000)

FY 2016 Budget Request \$260,260
FY 2015 Program Budget \$260,154

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 \$260,260,000. This amount, together with estimated reimbursements of \$16,515,000 will fund the Fiscal Year 2016 program of \$276,775,000.

A summary of the funding program for Fiscal Year 2016 follows (in thousands):

	<u>Operations</u>	<u>Utilities</u>	<u>Maintenance</u>	<u>Total</u>	Reimburse- <u>ments*</u>	<u>Total</u> <u>Program</u>
Navy	83,006	61,615	91,289	235,910	16,000	251,910
Marine Corps	10,239	6,077	8,034	24,350	515	24,865
 Total DON	 93,245	 67,692	 99,323	 260,260	 16,515	 276,775

*Marine Corps total Reimbursement Request is 1,645. However, 1,130 of that amount is a reimbursement to the Leasing Account. Therefore, only 515 of the 1,645 total request (see OP-5 for further detail) is shown in the summary above.

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 2016 estimated program was formulated utilizing the Office of Management and Budget's published inflationary factors and foreign currency exchange rates. There are only minor differences in costs compared to the FY 2015 request.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING, DEPARTMENT OF THE NAVY
FY 2016 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
Units in Beginning of Year	10,374		9,252		8,879	
Units at End of Year	9,252		8,879		9,422	
Average Inventory for Year	10,166		9,231		8,985	
a. Average Historic Inventory for Year	(7)		(7)		(7)	
Requiring O&M Funding						
a. Conterminous U.S.	938		218		105	
b. U.S. Overseas	2,389		2,288		1,909	
c. Foreign	6,839		6,725		6,971	
d. Worldwide	10,166		9,231		8,985	
	Total (\$000)	Unit Cost	Total (\$000)	Unit Cost	Total (\$000)	Unit Cost
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	47,686	4,691	55,124	5,972	56,189	6,254
(2) Services	15,129	1,488	18,079	1,959	19,149	2,131
(3) Furnishings	16,658	1,639	17,881	1,937	17,534	1,951
(4) Miscellaneous	231	23	366	40	373	42
Subtotal Direct Obligations	79,704	7,840	91,450	9,907	93,245	10,378
Anticipated Reimbursements	5,515	542	5,515	597	5,515	614
Estimated Gross Obligations	85,219	8,383	96,965	10,504	98,760	10,992
2. UTILITIES	76,110	7,487	71,092	7,701	67,692	7,534
Anticipated Reimbursements	4,579	450	4,579	496	4,579	510
Estimated Gross Obligations	80,689	7,937	75,671	8,197	72,271	8,044
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	58,210	5,726	64,760	7,015	66,277	7,376
b. Exterior Utilities	3,429	337	215	23	224	25
c. Maintenance & Repair of Other Real Property	849	84	824	89	864	96
d. Alterations and Additions	27,201	2,676	31,813	3,446	31,958	3,557
e. Foreign Currency Fluctuation Adjustments	7,245	N/A				
Subtotal Direct Obligations	96,934	8,822	97,612	10,574	99,323	11,054
Anticipated Reimbursements	6,421	632	6,421	696	6,421	715
Estimated Gross Obligations	103,355	10,167	104,033	11,270	105,744	11,769
4. GRAND TOTAL, O&M - Direct Obligations	252,748	24,862	260,154	28,183	260,260	28,966
5. GRAND TOTAL -						
Anticipated Reimbursements	16,515	1,625	16,515	1,789	16,515	1,838
6. GRAND TOTAL, O&M - Gross Obligations	269,263	26,487	276,669	29,972	276,775	30,804

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DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2016 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
Units in Beginning of Year	9,560		8,280		7,651	
Units at End of Year	8,280		7,651		7,554	
Average Inventory for Year	9,326		8,167		7,651	
a. Average Historic Inventory for Year	(1)		(1)		(1)	
Requiring O&M Funding						
a. Conterminous U.S.	858		138		25	
b. U.S. Overseas	2,389		2,288		1,909	
c. Foreign	6,079		5,741		5,717	
d. Worldwide	9,326		8,167		7,651	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	41,751	4,477	48,619	5,953	49,597	6,482
(2) Services	14,154	1,518	16,667	2,041	16,936	2,214
(3) Furnishings	14,527	1,558	15,727	1,926	16,100	2,104
(4) Miscellaneous	231	25	366	45	373	49
Subtotal Direct Obligations	70,663	7,577	81,379	9,964	83,006	10,849
Anticipated Reimbursements	5,500	590	5,500	673	5,500	719
Estimated Gross Obligations	76,163	8,167	86,879	10,638	88,506	11,568
2. UTILITIES	72,571	7,782	66,951	8,198	61,615	8,053
Anticipated Reimbursements	4,500	483	4,500	551	4,500	588
Estimated Gross Obligations	77,071	8,264	71,451	8,749	66,115	8,641
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	54,150	5,806	59,440	7,278	59,043	7,717
b. Exterior Utilities	76	8	77	9	78	10
c. Maintenance & Repair of Other Real Property	239	26	243	30	247	32
d. Alterations and Additions	27,167	2,913	31,775	3,891	31,921	4,172
Subtotal Direct Obligations	81,632	8,753	91,535	11,208	91,289	11,932
Anticipated Reimbursements	6,000	643	6,000	735	6,000	784
Estimated Gross Obligations	87,632	9,397	97,535	11,943	97,289	12,716
4. GRAND TOTAL, O&M - Direct Obligations	224,866	24,112	239,865	29,370	235,910	30,834
5. GRAND TOTAL -						
Anticipated Reimbursements	16,000	1,716	16,000	1,959	16,000	2,091
6. GRAND TOTAL, O&M - Gross Obligations	240,866	25,827	255,865	31,329	251,910	32,925

DEPARTMENT OF THE NAVY FAMILY HOUSING, NAVY FY 2016 OPERATIONS AND MAINTENANCE (EXCLUDES LEASED UNITS AND COSTS) GEOGRAPHIC - CONUS						
	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
Units in Beginning of Year	1,148		251		25	
Units at End of Year	251		25		20	
Average Inventory for Year	858		138		25	
a. Average Historic Inventory for Year	(1)		(1)		(1)	
Requiring O&M Funding						
a. Conterminous U.S.	858		138		25	
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	27,722	32,310	32,444	235,101	33,163	1,326,520
(2) Services	271	316	197	1,428	21	840
(3) Furnishings	815	950	501	3,630	432	17,280
(4) Miscellaneous	231	269	366	2,652	373	14,920
Subtotal Direct Obligations	29,039	33,845	33,508	242,812	33,989	1,359,560
Anticipated Reimbursements	1,000	1,166	0	0	0	0
Estimated Gross Obligations	30,039	35,010	33,508	242,812	33,989	1,359,560
2. UTILITIES	2,508	2,923	1,143	8,283	76	3,040
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	2,508	2,923	1,143	8,283	76	3,040
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	5,821	6,784	2,550	18,478	251	10,040
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	893	1,041	0	0	0	0
Subtotal Direct Obligations	6,714	7,825	2,550	18,478	251	10,040
Anticipated Reimbursements	1,000	1,166	0	0	0	0
Estimated Gross Obligations	7,714	8,991	2,550	18,478	251	10,040
4. GRAND TOTAL, O&M - Direct Obligations	38,261	44,593	37,201	269,572	34,316	1,372,640
5. GRAND TOTAL -						
Anticipated Reimbursements	2,000	2,331	0	0	0	0
6. GRAND TOTAL, O&M - Gross Obligations	40,261	46,924	37,201	269,572	34,316	1,372,640

* 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, FY15 inventory has been adjusted to reflect the accelerated privatization of Ventura, CA.

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2016 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - US OVERSEAS

	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
Units in Beginning of Year	2,389		2,288		1,909	
Units at End of Year	2,288		1,909		1,909	
Average Inventory for Year	2,389		2,288		1,909	
a. Average Historic Inventory for Year	(0)		(0)		(0)	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	2,389		2,288		1,909	
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	3,520	1,473	4,333	1,894	4,420	2,315
(2) Services	3,127	1,309	3,618	1,581	3,082	1,614
(3) Furnishings	2,431	1,018	3,541	1,548	3,612	1,892
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	9,078	3,800	11,492	5,023	11,114	5,822
Anticipated Reimbursements	1,750	733	2,750	1,202	2,750	1,441
Estimated Gross Obligations	10,828	4,532	14,242	6,225	13,864	7,262
2. UTILITIES	36,432	15,250	34,367	15,021	29,292	15,344
Anticipated Reimbursements	2,250	942	2,250	983	2,250	1,179
Estimated Gross Obligations	38,682	16,192	36,617	16,004	31,542	16,523
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	15,711	6,576	19,681	8,602	16,855	8,829
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	7,097	2,971	19,105	8,350	14,441	7,565
Subtotal Direct Obligations	22,808	9,547	38,786	16,952	31,296	16,394
Anticipated Reimbursements	2,000	837	3,000	1,311	3,000	1,572
Estimated Gross Obligations	24,808	10,384	41,786	18,263	34,296	17,965
4. GRAND TOTAL, O&M - Direct Obligations	68,318	28,597	84,645	36,995	71,702	37,560
5. GRAND TOTAL -						
Anticipated Reimbursements	6,000	2,512	8,000	3,497	8,000	4,191
6. GRAND TOTAL, O&M - Gross Obligations	74,318	31,108	92,645	40,492	79,702	41,751

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2016 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - FOREIGN

	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
Units in Beginning of Year	6,023		5,741		5,717	
Units at End of Year	5,741		5,717		5,625	
Average Inventory for Year	6,079		5,741		5,717	
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	6,079		5,741		5,717	
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	10,509	1,729	11,842	2,063	12,014	2,101
(2) Services	10,756	1,769	12,852	2,239	13,833	2,420
(3) Furnishings	11,281	1,856	11,685	2,035	12,056	2,109
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	32,546	5,354	36,379	6,337	37,903	6,630
Anticipated Reimbursements	2,750	452	2,750	479	2,750	481
Estimated Gross Obligations	35,296	5,806	39,129	6,816	40,653	7,111
2. UTILITIES	33,631	5,532	31,441	5,477	32,247	5,641
Anticipated Reimbursements	2,250	370	2,250	392	2,250	394
Estimated Gross Obligations	35,881	5,902	33,691	5,868	34,497	6,034
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	32,618	5,366	37,209	6,481	41,937	7,335
b. Exterior Utilities	76	13	77	13	78	14
c. Maintenance & Repair of Other Real Property	239	39	243	42	247	43
d. Alterations and Additions	19,177	3,155	12,670	2,207	17,480	3,058
Subtotal Direct Obligations	52,110	8,572	50,199	8,744	59,742	10,450
Anticipated Reimbursements	3,000	494	3,000	523	3,000	525
Estimated Gross Obligations	55,110	9,066	53,199	9,267	62,742	10,975
4. GRAND TOTAL, O&M - Direct Obligations	118,287	19,458	118,019	20,557	129,892	22,720
5. GRAND TOTAL -						
Anticipated Reimbursements	8,000	1,316	8,000	1,393	8,000	1,399
6. GRAND TOTAL, O&M - Gross Obligations	126,287	20,774	126,019	21,951	137,892	24,120

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2016 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
Units in Beginning of Year	814		972		1,228	
Units at End of Year	972		1,228		1,868	
Average Inventory for Year	840		1,064		1,334	
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	760		984		1,254	
d. Worldwide	840		1,064		1,334	
	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)	Total (\$000)	Unit Cost (\$)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	5,935	7,065	6,505	6,114	6,592	4,942
(2) Services	975	1,161	1,412	1,327	2,213	1,659
(3) Furnishings	2,131	2,537	2,154	2,024	1,434	1,075
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	9,041	10,763	10,071	9,465	10,239	7,675
Anticipated Reimbursements	15	18	15	14	15	11
Estimated Gross Obligations	9,056	10,781	10,086	9,479	10,254	7,687
2. UTILITIES	3,539	4,213	4,141	3,892	6,077	4,555
Anticipated Reimbursements	79	94	79	74	79	59
Estimated Gross Obligations	3,618	4,307	4,220	3,966	6,156	4,615
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	4,060	4,833	5,320	5,000	7,234	5,423
b. Exterior Utilities	3,353	3,992	138	130	146	109
c. Maintenance & Repair of Other Real Property	610	726	581	546	617	463
d. Alterations and Additions	34	40	38	36	37	28
Subtotal Direct Obligations	8,057	9,592	6,077	5,711	8,034	6,022
Anticipated Reimbursements	421	501	421	396	421	316
Estimated Gross Obligations	8,478	10,093	6,498	6,107	8,455	6,338
4. GRAND TOTAL, O&M - Direct Obligations	20,637	24,568	20,289	19,069	24,350	18,253
5. GRAND TOTAL -						
Anticipated Reimbursements	515	613	515	484	515	386
6. GRAND TOTAL, O&M - Gross Obligations	21,152	25,181	20,804	19,553	24,865	18,639

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2016 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - CONUS

	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
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	5,079	63,488	5,630	70,375	5,447	68,088
(2) Services	125	1,563	176	2,200	179	2,238
(3) Furnishings	97	1,213	70	875	71	888
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	5,291	66,138	5,876	73,450	5,697	71,213
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	5,291	66,138	5,876	73,450	5,697	71,213
2. UTILITIES	357	4,463	815	10,188	828	10,350
Anticipated Reimbursements	1	13	1	13	1	13
Estimated Gross Obligations	358	4,475	816	10,200	829	10,363
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	36	450	935	11,688	1,230	15,375
b. Exterior Utilities	13	163	14	175	14	175
c. Maintenance & Repair of Other Real Property	8	100	8	100	8	100
d. Alterations and Additions	1	13	4	50	2	25
Subtotal Direct Obligations	58	725	961	12,013	1,254	15,675
Anticipated Reimbursements	32	400	32	400	32	400
Estimated Gross Obligations	90	1,125	993	12,413	1,286	16,075
4. GRAND TOTAL, O&M - Direct Obligations	5,706	71,325	7,652	95,650	7,779	97,238
5. GRAND TOTAL -						
Anticipated Reimbursements	33	413	33	413	33	413
6. GRAND TOTAL, O&M - Gross Obligations	5,739	71,738	7,685	96,063	7,812	97,650

* 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 2016 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - US OVERSEAS

	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
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	493	0	259	0	509	0
(2) Services	0	0	0	0	0	0
(3) Furnishings	295	0	382	0	180	0
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	798	0	641	0	689	0
Anticipated Reimbursements	5	0	5	0	5	0
Estimated Gross Obligations	803	0	646	0	694	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	5	0	0	0	0	0
d. Alterations and Additions	0	0	0	0	0	0
Subtotal Direct Obligations	5	0	0	0	0	0
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	5	0	0	0	0	0
4. GRAND TOTAL, O&M - Direct Obligations	803	0	641	0	689	0
5. GRAND TOTAL -						
Anticipated Reimbursements	5	0	5	0	5	0
6. GRAND TOTAL, O&M - Gross Obligations	808	0	646	0	694	0

DEPARTMENT OF THE NAVY FAMILY HOUSING, MARINE CORPS FY 2016 OPERATIONS AND MAINTENANCE (EXCLUDES LEASED UNITS AND COSTS) GEOGRAPHIC - FOREIGN						
	FY 2014		FY 2015		FY 2016	
A. INVENTORY DATA						
Units in Beginning of Year	734		892		1,148	
Units at End of Year	892		1,148		1,788	
Average Inventory for Year	760		984		1,254	
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	760		984		1,254	
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	363	478	616	626	636	507
(2) Services	850	1,118	1,236	1,256	2,034	1,622
(3) Furnishings	1,739	2,288	1,702	1,730	1,183	943
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	2,952	3,884	3,554	3,612	3,853	3,073
Anticipated Reimbursements	10	13	10	10	10	8
Estimated Gross Obligations	2,962	3,897	3,564	3,622	3,863	3,081
2. UTILITIES	3,182	4,187	3,326	3,380	5,249	4,186
Anticipated Reimbursements	78	103	78	79	78	62
Estimated Gross Obligations	3,260	4,289	3,404	3,459	5,327	4,248
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	4,024	5,295	4,385	4,456	6,004	4,788
b. Exterior Utilities	3,340	4,395	124	126	132	105
c. Maintenance & Repair of Other Real Property	597	786	573	582	609	486
d. Alterations and Additions	33	43	34	35	35	28
Subtotal Direct Obligations	7,994	10,518	5,116	5,199	6,780	5,407
Anticipated Reimbursements	389	512	389	395	389	310
Estimated Gross Obligations	8,383	11,030	5,505	5,595	7,169	5,717
4. GRAND TOTAL, O&M - Direct Obligations	14,128	18,589	11,996	12,191	15,882	12,665
5. GRAND TOTAL -						
Anticipated Reimbursements	477	628	477	485	477	380
6. GRAND TOTAL, O&M - Gross Obligations	14,605	19,217	12,473	12,676	16,359	13,045

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2016 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - OPERATIONS

(\$000)

FY 2016 Budget Request \$93,245
FY 2015 Program Budget \$91,450

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 human resources services, purchasing, contracting, facilities management departments, public affairs, 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 work or services performed for the benefit of family housing occupants, including mobile home hook-ups and disconnections, for which reimbursement will be received; payments to the US Coast Guard for Navy occupancy of Coast Guard housing.

The Housing Privatization program has had a minor impact on the FY 2016 Budget Request based on the acceleration of the San Diego PH VI (Ventura, CA) project from FY 2017 to FY 2015.

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

MANAGEMENT

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2015 President's Budget Request	48,619
2. FY 2015 Appropriated Amount	48,619
3. FY 2015 Current Estimate	48,619
4. Price Growth:	680
a. Civilian Personnel Compensation	357
b. Inflation	323
5. Program Increases:	298
a. HQ Requirements	298
6. FY 2016 President's Budget Request	49,597

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT

Price Growth in the Management account is due to Civilian Personnel Compensation and Inflation adjustments. The Program Increase is due to minor adjustments in HQ requirements associated with year-to-year adjustments in the contract costs for various centrally-funded initiatives at Navy Installations worldwide.

IMPACT OF PRIVATIZATION: None.

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

SERVICES

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2015 President's Budget Request		16,667
2. FY 2015 Appropriated Amount		16,667
3. FY 2015 Current Estimate		16,667
4. Price Growth:		368
a. Inflation	268	
b. Working Capital Fund	100	
5. Program Increases:		871
a. Foreign Currency Fluctuation	871	
6. Program Decreases:		(970)
a. Inventory Loss - Guam & Foreign Locations	(790)	
b. Inventory Loss - Ventura, CA	(180)	
7. FY 2016 President's Budget Request		16,936

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT

Price Growth in the Services account is due to Inflation and Working Capital Fund adjustments. The Program Increase is due to Foreign Currency Fluctuation. The Program Decreases are reductions associated with reduced services due to the planned demolition of 379 homes at NB Guam and 24 homes at other Foreign locations by EOY15 and the planned privatization of 226 homes at NC Ventura County, CA by EOY15.

IMPACT OF PRIVATIZATION: The privatization of 226 units results in \$180K in savings.

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

FURNISHINGS

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2015 President's Budget Request		15,727
2. FY 2015 Appropriated Amount		15,727
3. FY 2015 Current Estimate		15,727
4. Price Growth:		234
a. Civilian Personnel Compensation	12	
b. Inflation	189	
c. Working Capital Fund	33	
5. Program Increases:		257
a. Foreign Currency Fluctuation	257	
6. Program Decreases:		(118)
a. Inventory Loss - Ventura, CA	(78)	
b. Reduced Replacement Furnishings - Foreign	(40)	
7. FY 2016 President's Budget Request		16,100

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. The Program Increase is due to Foreign Currency Fluctuation. The Program Decreases are due to the the planned privatization of 226 homes at NC Ventura County, CA and a minor reduction in the planned cost of replacement furnishings in Foreign locations.

IMPACT OF PRIVATIZATION: The privatization of 226 units results in ~\$80K in savings.

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

MISCELLANEOUS

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2015 President's Budget Request	366
2. FY 2015 Appropriated Amount	366
3. FY 2015 Current Estimate	366
4. Price Growth:	7
a. Inflation	7
5. FY 2016 President's Budget Request	373

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT

Price Growth in the Miscellaneous account is due to Inflation adjustments.

IMPACT OF PRIVATIZATION: None.

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

MANAGEMENT

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2015 President's Budget Request		6,505
2. FY 2015 Appropriated Amount		6,505
3. FY 2015 Current Estimate		6,505
4. Price Growth:		50
a. Civilian Personnel Compensation	7	
b. Inflation	43	
5. Program Increases:		264
a. Administrative Services	249	
b. Foreign Currency Fluctuation	15	
6. Program Decreases:		(227)
a. Decreased HRMA studies	(227)	
7. FY 2016 President's Budget Request		6,592

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT

Price Growth in the Management account is due to Civilian Personnel Compensation and Inflation adjustments. The Program Increases are due to increased administrative services (civilian personnel providing housing counseling services in Hawaii) and Foreign Currency Fluctuation. The Program Decrease is due to reduced number of full Housing Requirements Market Analyses (HRMA).

IMPACT OF PRIVATIZATION: None.

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

SERVICES

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2015 President's Budget Request	1,412
2. FY 2015 Appropriated Amount	1,412
3. FY 2015 Current Estimate	1,412
4. Price Growth:	23
a. Inflation	23
5. Program Increases:	778
a. Global Restationing	642
b. Foreign Currency Fluctuation	136
6. FY 2016 President's Budget Request	2,213

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT

Price Growth in the Services account is due to Inflation adjustments. The Program Increases are due to services for additional housing in Iwakuni, Japan and Foreign Currency Fluctuation. These 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 2016 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

FURNISHINGS

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2015 President's Budget Request		2,154
2. FY 2015 Appropriated Amount		2,154
3. FY 2015 Current Estimate		2,154
4. Price Growth:		27
a. Civilian Personnel Compensation	2	
b. Inflation	25	
5. Program Increases:		64
a. Foreign Currency Fluctuation	64	
6. Program Decreases:		(811)
a. Civilian Pay	(205)	
b. Global Restationing Initial Outfitting (One-Time Purchase)	(606)	
7. FY 2016 President's Budget Request		1,434

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT

Price Growth in the Furnishings account is due to Civilian Personnel Compensation and Inflation adjustments. The Program increase is due to Foreign Currency Fluctuation. The Program Decreases are due to reduced civilian pay supporting the reduced requirement moving and handling furnishings in Hawaii and a one time initial outfitting of new units constructed in Iwakuni by the Government of Japan in FY15.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - 2016 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - UTILITIES

(\$000)

FY 2016 Budget Request	\$67,692
FY 2015 Program Budget	\$71,092

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, coal, 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 2016 BUDGET ESTIMATE
NAVY**

UTILITIES

Family Housing Summary of Unit Detail	FY 2014	FY 2015	FY 2016
Total Cost of Utilities (\$000)	72,571	66,951	61,615
Utility Quantities: ^{1, 2}			
Electricity (KWH)	130,248,652	123,875,128	120,164,054
Water (KGAL)	1,215,969	1,131,071	1,079,566
Sewage (KGAL)	1,020,657	957,898	921,850
Purchased Steam (MBTU)	309,882	309,882	309,882
Natural Gas (MBTU)	21,869	12,113	2,357

¹ - Utility Quantities are shown for NWCF locations only. However, these comprise 98% of Total Navy Utilities Costs in FY 2014 and will comprise 99% beginning in FY 2015, as the privatization of additional housing at Naval Base Kitsap (phase II of the Pacific Northwest project) was awarded in FY 2014.

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

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

UTILITIES

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2015 President's Budget Request		66,951
2. FY 2015 Appropriated Amount		66,951
3. FY 2015 Current Estimate		66,951
4. Price Growth:		1,661
a. Inflation	4	
b. Working Capital Fund	1,657	
5. Program Decreases:		(6,997)
a. Inventory Loss - Guam & Foreign Locations	(5,908)	
b. Inventory Loss - Ventura, CA	(1,089)	
6. FY 2016 President Budget Request		61,615

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT

Price Growth in the Utilities account is due to Inflation and Working Capital Fund adjustments. The Program Decreases are due to the planned demolition of 379 homes at NB Guam and 24 homes at other Foreign locations by EOY15 and the planned privatization of 226 homes at NB Ventura County, CA by EOY15.

IMPACT OF PRIVATIZATION: The privatization of 226 units results in ~\$1.1M in savings.

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

UTILITIES

Family Housing Summary of Unit Detail	FY 2014	FY 2015	FY 2016
Total Cost of Utilities (\$000)	3,539	4,141	6,077
Utility Quantities: ¹			
Electricity (KWH)	14,280,185	16,329,169	18,659,383
Water (KGAL)	125,448	144,525	154,646
Sewage (KGAL)	63,426	101,199	110,276
Purchased Steam (MBTU)	79,822	93,963	103,963
Natural Gas (MBTU)	67	67	67

¹ - Year-to-year increases in cost and consumption due to newly constructed units by the Government of Japan coming on line from FY 2014 through FY 2016 and foreign currency adjustments in FY 2016. The per unit consumption actually decreases due to improved construction techniques and conservation efforts.

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

UTILITIES

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2015 President's Budget Request	4,141
2. FY 2015 Appropriated Amount	4,141
3. FY 2015 Current Estimate	4,141
4. Price Growth:	66
a. Inflation	66
5. Program Increases:	1,870
a. Global Restationing	1,577
b. Foreign Currency Fluctuation	293
6. FY 2016 President's Budget Request	6,077

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT

Price Growth in the Utilities account is due to Inflation adjustments. The Program Increases are due to utilities for additional housing in Iwakuni, Japan and Foreign Currency Fluctuation. 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 2016 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - MAINTENANCE

(\$000)

FY 2016 Budget Request	\$99,323
FY 2015 Program Budget	\$97,612

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 2016 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

MAINTENANCE

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>	
1. FY 2015 President's Budget Request		91,535
2. FY 2015 Appropriated Amount		91,535
3. FY 2015 Current Estimate		91,535
4. Price Growth:		1,354
a. Civilian Personnel Compensation	22	
b. Inflation	1,457	
c. Working Capital Fund	(125)	
5. Program Increases:		2,915
a. Foreign Currency Fluctuation	2,915	
6. Program Decreases:		(4,515)
a. Inventory Loss - Guam & Foreign Locations	(2,295)	
b. Inventory Loss - Ventura, CA	(2,220)	
7. FY 2016 President's Budget Request		91,289

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT

Price Growth in the Maintenance account is due to Civilian Personnel Compensation, Inflation, and Working Capital Fund adjustments. The Program Increase is due to Foreign Currency Fluctuation. The Program Decreases are reductions associated with reduced maintenance due to the planned demolition of 379 homes at NB Guam and 24 homes at other Foreign locations by EOY15 and the planned privatization of 226 homes at NB Ventura County, CA by EOY15.

IMPACT OF PRIVATIZATION: The privatization of 226 units results in ~\$2.2M in savings.

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

MAINTENANCE

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2015 President's Budget Request	6,077
2. FY 2015 Appropriated Amount	6,077
3. FY 2015 Current Estimate	6,077
4. Price Growth:	81
a. Civilian Personnel Compensation	2
b. Inflation	79
5. Program Increases:	1,876
a. Global Restationing (Inventory Increase)	1,460
b. Foreign Currency Fluctuation	416
6. FY 2016 President's Budget Request	8,034

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT

Price Growth in the Maintenance account is due to Civilian Personnel Compensation and Inflation adjustments. The Program Increases are due to increased costs for additional maintenance requirements in support of new units constructed in Iwakuni by the Government of Japan in support of Global Restationing and Foreign Currency Fluctuation.

IMPACT OF PRIVATIZATION: None.

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1. Component DON	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. Date 12 JAN 2014
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
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		((\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>		
<u>DISTRICT OF COLUMBIA</u>		
Marine Barracks, 8th & I, Washington, DC (EI-H-1601-M2)		78.4
This project will renovate the master bathroom, which include full shower replacement and associated fixture upgrades and improvements, and replace an HVAC compressor within Quarters 3, Marine Barracks, 8th & I Streets, Washington, DC.		
<u>OUTSIDE THE UNITED STATES</u>		
<u>CUBA</u>		
NS Guantanamo Bay (HR-16-01)		13,400.0
This project will repair and replace roofs as well as install solar water heater panels to 335 homes in the Caribbean Circle and Villamar neighborhoods.		
NS Guantanamo Bay (HR-16-02)		75.0
This project will provide structural repairs to the porch slab and interior wall for one duplex in the Nob Hill neighborhood.		
NS Guantanamo Bay (HR-16-03)		150.0
This project will install/improve drainage from the garage areas at six units in the West Iguana neighborhood.		
<u>GUAM</u>		
NSA Andersen (HR-16-04)		2,574.0
This project will repair and replace roofs for 117 units in the Capehart neighborhood at NSA Andersen.		
NSA Andersen (HR-16-05)		12,600.0
This project will demolish 260 excess family housing units in the Capehart neighborhood. Work will include complete demolition of exterior and interior appurtenances to include concrete foundation, screen walls, air condition (a/c) enclosures, a/c pads, trash enclosures, patio decks, carports and driveways.		

1. Component DON	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. Date 12 JAN 2014
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
(\$000) <u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u> <u>CURRENT WORKING ESTIMATE</u> <u>OUTSIDE THE UNITED STATES (CONT.)</u> <u>JAPAN</u> NAS Atsugi 1,487.0 (HR-16-06) This project will replace the elevators in Bldg. 3101 (68 Units) in the Main Base neighborhood at NAS Atsugi. <u>KOREA</u> CFA Chinhae 1,250.0 (HR-16-07) This project will replace the HVAC systems for all 50 units at the Main Base neighborhood at CFA Chinhae.		

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 2016 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 2016 MILITARY CONSTRUCTION PROJECT DATA					2. Date 12 JAN 2015	
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	12,500	7,900	46,800	0	67,200	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; ELIG)							
<u>OUTSIDE THE UNITED STATES</u>							
<u>CUBA</u>							
NS Guantanamo Bay	M-101	7,800	43,000	310,200	0	361,000	
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. Major repairs include replacing the windows, replacing the exterior siding, replacing the exterior side doors, replacing all interior wiring and plumbing, installing solar panels and replacing attic insulation. (Year built: 1940; NSF: 4,704)							
<u>JAPAN</u>							
CFA Yokosuka	11 Nimitz	15,100	9,100	46,000	0	70,200	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. (Year built: 1992; NSF: 1,921)							
CFA Yokosuka	16 Halsey	14,900	29,200	59,900	0	104,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. (Year built: 1940; NSF: 3,223)							
CFA Yokosuka	17 Halsey	16,900	17,800	61,500	0	96,200	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. (Year built: 1948; NSF: 4,140)							
CFA Yokosuka	18 Halsey	13,900	29,200	57,200	0	100,300	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. (Year built: 1948; NSF: 4,140)							
<u>MARIANAS ISLANDS</u>							
NB Guam	1 Flag Circle	4,700	19,800	48,700	0	73,200	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 trash enclosure. (Year built: 1945; NSF: 3,348)							
NSA Andersen	1000 Rota	8,900	20,200	51,100	0	80,200	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 installation of a portable backup generator. (Year built: 1945; NSF: 3,348)							

Department of the Navy
Navy General and Flag Officers' Quarters
Anticipated Operations and Maintenance Expenditures Exceeding \$35K per Unit for Fiscal Year 2016
(Dollars in Thousands)

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Opns Cost	Utility Cost	Maint Cost	Leasing Cost	Total Costs
Texas	NAS Corpus Christi	SOQ 1	1941	4,584	\$12.5	\$7.9	\$46.8	\$0.0	\$67.2
Bahrain	NSA Bahrain	Villa 1266	2000	6,500	\$0.0	\$0.0	\$0.0	\$180.2	\$180.2
Cuba	NS Guantanamo Bay	M-101	1941	4,704	\$7.8	\$43.0	\$310.2	\$0.0	\$361.0
Italy	NSA Naples	Villa Capri	2005	2,400	\$0.0	\$0.0	\$0.0	\$71.3	\$71.3
		Villa Ponza	2005	2,400	\$0.0	\$0.0	\$0.0	\$60.6	\$60.6
		Villa Procida	2005	2,648	\$0.0	\$0.0	\$0.0	\$60.1	\$60.1
		Villa Sara	1991	6,187	\$0.0	\$0.0	\$0.0	\$240.6	\$240.6
		Villa Ventotene	2005	2,400	\$0.0	\$0.0	\$0.0	\$60.6	\$60.6
Japan	CFA Yokosuka	11 Nimitz	1992	1,921	\$15.1	\$9.1	\$46.0	\$0.0	\$70.2
		16 Halsey	1940	3,223	\$14.9	\$29.2	\$59.9	\$0.0	\$104.0
		17 Halsey	1948	4,140	\$16.9	\$17.8	\$61.5	\$0.0	\$96.2
		18 Halsey	1948	4,140	\$13.9	\$29.2	\$57.2	\$0.0	\$100.3
Mariana Islands	NB Guam	4 Flag Circle	1945	3,448	\$4.7	\$19.8	\$48.7	\$0.0	\$73.2
	NSA Andersen	1000 Rota St	1960	3,343	\$8.9	\$20.2	\$51.1	\$0.0	\$80.2
Singapore	NRC Singapore	Temasek House	1940	2,217	\$0.0	\$0.0	\$0.0	\$53.7	\$53.7
Totals	GFOQ Units	15			\$94.7	\$176.2	\$681.4	\$727.1	\$1,679.4

Department of the Navy (Navy)
General and Flag Officers' Quarters (GFOQ)
6,000 NSF Units for Fiscal Year 2016
(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	\$180.2	Note 1	N/A	N/A
Italy	NSA Naples	Villa Sara	1991	6,187	\$240.6	Note 2	N/A	N/A
TOTAL:	2 GFOQ Units				\$420.8		N/A	N/A

¹ Unit is nearing the end of its lease term. Navy is exploring options to replace this unit with a FHCON project for a new Flag quarters to be constructed inside the fence line of NSA Bahrain. As a leased unit, demolition or alternative uses are not options.

² Unit is now housing the four-star Special Command Position who formerly resided in Villa Nike. Navy has officially notified the Italian government of its intention not to re-occupy Villa Nike. Villa Sara is fully equipped with all AT/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.

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 2014
(Dollars in Thousands)

State/Country	Installation	Quarters ID	Year Built	Size NSF	Operations Cost	Maint & Repair Cost	Total FH O&M Cost
District of Columbia	Washington	A Tingey House*	1804	8,940	63.2	71.9	135.1
	Washington	A-NAC*	1921	4,724	34.0	25.1	59.0
	Washington	ASC 801*	1930	2,341	24.3	204.0	228.3
	Washington	B-WNY*	1801	5,165	60.1	39.4	99.4
	Washington	BB Potomac Annex*	1910	4,654	26.1	42.8	68.9
	Washington	CC Potomac Annex*	1910	4,460	23.2	52.0	75.2
	Washington	D-NOBSY*	1900	2,323	36.6	26.8	63.5
	Washington	F-NOBSY*	1946	2,716	27.2	187.8	215.0
	Washington	M-1-WNY*	1805	4,170	24.2	35.1	59.3
	Washington	R-WNY*	1890	2,151	21.9	142.6	164.5
	Washington	U-WNY*	1937	4,135	34.5	24.7	59.2
	Washington	V-WNY*	1900	2,325	21.3	32.7	54.0
Hawaii	Pearl Harbor	A Hale Alii*	1914	5,588	55.4	19.4	74.8
	Pearl Harbor	B Hale Alii*	1914	3,279	38.9	14.5	53.5
	Pearl Harbor	K Ford Island*	1936	3,789	37.1	138.4	175.5
	Pearl Harbor	37 Makalapa*	1941	3,983	56.2	39.6	95.8
Maryland	Annapolis	1 Buchanan*	1906	13,048	62.8	222.9	285.7
	Patuxent River	A Solomons*	1814	5,158	40.4	15.9	56.3
Virginia	Dahlgren	501 Sampson*	1921	4,508	16.3	44.1	60.4
	Hampton Roads	F-32*	1907	8,415	20.8	41.6	62.4
	Hampton Roads	F-35W*	1907	4,400	21.4	29.1	50.5
	Hampton Roads	G-30*	1907	12,660	36.9	82.0	118.9
	Hampton Roads	M-5*	1907	5,260	34.8	32.9	67.7
	Hampton Roads	M-6*	1907	4,950	20.1	58.9	79.0
	Portsmouth	B-NNSY*	1830	5,310	45.3	50.3	95.6
	Portsmouth	C-NNSY*	1837	5,187	41.0	19.9	60.8
Washington	NB Kitsap	C*	1896	6,747	27.2	31.2	58.4
	Totals	27			951.0	1,725.6	2,676.6

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.

1. Component MARINE CORPS	FY 2016 MILITARY CONSTRUCTION PROJECT DATA					2. Date 12 JAN 2015	
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>DISTRICT OF COLUMBIA</u>							
Marine Barracks, 8th & I, Washington, DC	Qtrs 1	11,600	8,000	47,000	0	66,600	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Major repairs include HVAC compressor replacement. (Year built: 1908; NSF: 7,376; NHR)							
Marine Barracks, 8th & I, Washington, DC	Qtrs 2	11,600	8,000	78,400	0	98,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Major repairs include master bathroom renovation, which include full shower replacement and associated fixture upgrades and improvements, and HVAC compressor replacement. (Year built: 1908; NSF: 6,084; NHR)							
Marine Barracks, 8th & I, Washington, DC	Qtrs 4	11,600	8,000	143,400	0	163,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Major repairs include master bathroom renovation, which include full shower replacement and associated fixture upgrades and improvements; kitchen renovation; and HVAC compressor replacement. (Year built: 1908; NSF: 6,084; NHR)							
Marine Barracks, 8th & I, Washington, DC	Qtrs 6	11,600	37,000	38,400	0	87,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. (Year built: 1810; NSF: 15,605; NHL)							

Department of the Navy
Marine Corps General and Flag Officers' Quarters
Anticipated Operations and Maintenance Expenditures Exceeding \$35K per Unit for Fiscal Year 2016
(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	\$11.6	\$8.0	\$47.0	\$0.0	\$66.6
	8th & I Streets	2	1908	6,084	\$11.6	\$8.0	\$78.4	\$0.0	\$98.0
	8th & I Streets	4	1908	6,084	\$11.6	\$8.0	\$143.4	\$0.0	\$163.0
	8th & I Streets	6	1810	15,605	\$11.6	\$37.0	\$38.4	\$0.0	\$87.0
Louisiana									
	New Orleans	A	1840	6,483	\$7.6	\$9.7	\$21.0	\$0.0	\$38.3
Totals	GFOQ Units	5			\$54.0	\$70.7	\$328.2	\$0.0	\$452.9

Department of the Navy (Marine Corps)
General and Flag Officers' Quarters (GFOQ)
6,000 NSF Units for Fiscal Year 2016
(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 & I Streets	1	1908	7,376	\$66.6	Considered and rejected ¹	N/A	N/A
	8th & I Streets	2	1908	6,084	\$98.0	Considered and rejected ¹	N/A	N/A
	8th & I Streets	4	1908	6,084	\$163.0	Considered and rejected ¹	N/A	N/A
	8th & I Streets	6	1810	15,605	\$87.0	Considered and rejected ¹	N/A	N/A
Louisiana	New Orleans	A	1840	6,483	\$38.3	Considered and rejected ²	N/A	N/A
TOTAL:	5 GFOQ Units				\$452.9		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.

Department of the Navy
Marine Corps 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 2014
(Dollars in Thousands)

State/Country	Installation	Quarters ID	Year Built	Size NSF	Operations Cost	Maint & Repair Cost	Total FH O&M Cost
Hawaii	MCB Hawaii Kaneohe Bay	511 Nimitz Road	1941	3,372	14.9	47.4	62.3
Virginia	MCB Quantico	1 Neville	1920	5,050	8.2	55.3	63.5
	MCB Quantico	15009 Heywood	1920	3,524	4.4	47.6	52.0
	Totals	3			27.5	150.3	177.8

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
REIMBURSABLE PROGRAM SUMMARY

(\$000)

FY 2016 Budget Request	\$17,645
FY 2015 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 2016 BUDGET ESTIMATE
JUSTIFICATION
NAVY**

REIMBURSABLE AUTHORITY

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2015 President's Budget Request	16,000
2. FY 2015 Appropriated Amount	16,000
3. FY 2015 Current Estimate	16,000
4. FY 2016 President's Budget Request	16,000

RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT

No changes noted for FY 2016.

IMPACT OF PRIVATIZATION: None.

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

REIMBURSABLE AUTHORITY

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2015 President's Budget Request	1,645
2. FY 2015 Appropriated Amount	1,645
3. FY 2015 Current Estimate	1,645
4. FY 2016 President's Budget Request	1,645

RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT

No changes noted for FY 2016.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
DEPARTMENT OF THE NAVY LEASING SUMMARY

(\$000)

FY 2016 Budget Request \$64,108
FY 2015 Program Budget \$65,999

Purpose and Scope

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

Program Summary

	FY 2014			FY 2015			FY 2016		
	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)
Domestic	279	279	8,195	315	315	9,426	300	300	9,087
Navy	279	279	8,195	315	315	9,426	300	300	9,087
801	600	109	2,840	0	0	0	0	0	0
Navy	600	109	2,840	0	0	0	0	0	0
802	276	276	514	276	276	611	276	276	623
MarCps	276	276	514	276	276	611	276	276	621
Foreign	1,666	1,666	53,549	1,670	1,670	55,962	1,552	1,552	54,400
Navy	1,660	1,660	53,231	1,657	1,657	55,070	1,537	1,537	53,504
MarCps	6	6	318	13	13	892	15	15	896
DON Total	2,938	2,407	65,098	2,342	2,342	65,999	2,224	2,224	64,110

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. This program consists of leasing on an interim basis until Section 801, military construction (MILCON) units, and homes undergoing revitalization come on-line.

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 2016 BUDGET ESTIMATE
NAVY LEASING SUMMARY

(\$000)

FY 2016 Budget Request \$62,591
FY 2015 Program Budget \$64,496

Purpose and Scope

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

Program Summary

	FY 2014			FY 2015			FY 2016		
	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)
Domestic	279	279	8,195	315	315	9,426	300	300	9,087
801	600	109	2,840	0	0	0	0	0	0
Foreign	1,660	1,660	53,231	1,657	1,657	55,070	1,537	1,537	53,504
Navy Total	2,539	2,125	64,266	2,053	2,053	64,496	1,933	1,933	62,591

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. This program consists of leasing on an interim basis until Section 801, military construction (MILCON) units, and homes undergoing revitalization come on-line.

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 2014 - The Domestic Lease Program consists of 387 (average) units requiring funding of \$11.035 million. Funding in the amount of \$2.840 million provided full funding for Section 801 projects at Pensacola and Ventura, whose leases expired in October 2013 and February 2014,

respectively. The remaining \$8.195 million is required for 279 leases for recruiters at high-cost locations not supported by a military installation.

FY 2015 – The Domestic Lease Program consists of 315 (average) units requiring funding of \$9.426 million. There are no Section 801 leases remaining in the Navy Family Housing program. The \$9.426 million is required for 315 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 \$9.087 million. There are no Section 801 leases remaining in the Navy Family Housing program. The \$9.087 million is required for 396 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 2014 – The Foreign Lease Program consists of 1,660 (average) units requiring funding of \$53.231 million. This amount consists of \$49.174 million for 1,613 Foreign Leases and \$4.057 million for 47 Department of State leases.

FY 2015 – The Foreign Lease Program consists of 1,657 (average) units requiring funding of \$55.070 million. This amount consists of \$52.164 million for 1,613 Foreign Leases and \$2.906 million for 44 Department of State leases.

FY 2016 – The Foreign Lease Program consists of 1,537 (average) units requiring funding of \$53.504 million. This amount consists of \$50.594 million for 1,493 Foreign Leases and \$2.910 million for 44 Department of State leases.

FAMILY HOUSING - NAVY

(Other than Section 801 and Section 802 Units)

FY 2016

Location	FY 2014			FY 2015			FY 2016		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Domestic Leasing									
Recruiters, Var Locs	279	3,348	8,195	315	3,780	9,426	300	3,600	9,087
Total Domestic Leases	279	3,348	8,195	315	3,780	9,426	300	3,600	9,087

FAMILY HOUSING - NAVY

Section 801 Units*

FY 2016

Location	FY 2014			FY 2015			FY 2016		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Pensacola, FL ¹	300	108	106	0	0	0	0	0	0
Ventura, CA ²	300	1,200	2,734	0	0	0	0	0	0
Total Section 801 Leases	600	1,308	2,840	0	0	0	0	0	0

* Reflects all Operations & Maintenance Costs associated with the Section 801 Units

¹ Pensacola 801 lease agreement expired on 11 Oct 2013

² Ventura 801 lease agreement expired on 1 Feb 2014

FAMILY HOUSING - NAVY (Other than Section 801 and Section 802 Units) FY 2016									
Location	FY 2014			FY 2015			FY 2016		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Foreign Leasing									
Manama, Bahrain	1	12	194	1	12	155	1	12	158
Naples, Italy	973	11,676	26,680	973	11,676	29,212	853	10,236	27,138
Sigonella, Italy	526	6,312	16,393	526	6,312	16,962	526	6,312	17,300
Singapore, Singapore	113	1,356	5,907	113	1,356	5,835	113	1,356	5,998
Foreign Leases (Sub-total)	1,613	19,356	49,174	1,613	19,356	52,164	1,493	17,916	50,594
Foreign Leasing (DoS Leases)									
Cairo, Egypt	11	132	924	10	120	831	10	120	831
Dili, Timor-Leste	1	12	77	1	12	77	1	12	77
Dubai, U.A.E.	1	12	150	1	12	85	1	12	85
Hanoi, Vietnam	1	12	56	1	12	56	1	12	56
Istanbul, Turkey	1	12	50	1	12	50	1	12	50
Jakarta, Indonesia	3	36	65	3	36	65	3	36	65
Kuala Lumpur, Malaysia	1	12	55	1	12	55	1	12	55
Lima, Peru	12	144	1,538	12	144	695	12	144	699
New Delhi, India	2	24	78	2	24	78	2	24	78
Oslo, Norway	1	12	84	1	12	84	1	12	84
Phnom Penh, Cambodia	4	48	326	4	48	326	4	48	326
Singapore, Singapore	5	60	507	3	36	357	3	36	357
Tel Aviv, Israel	1	12	45	1	12	45	1	12	45
Vientiane, Laos	3	36	102	3	36	102	3	36	102
DoS Leases (Sub-total)	47	564	4,057	44	528	2,906	44	528	2,910
Total Foreign Leases	1,660	19,920	53,231	1,657	19,884	55,070	1,537	18,444	53,504

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

LEASING

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2015 President's Budget Request	64,496
2. FY 2015 Appropriated Amount	64,496
3. FY 2015 Current Estimate	64,496
4. Price Growth:	1,178
a. Civilian Personnel Compensation	45
b. Inflation	964
c. Working Capital Fund	169
5. Program Decreases	(3,083)
a. Recruiter Leases	(349)
b. Transfer of FH Leased Units to UH - Naples, Italy	(2,734)
6. FY 2016 President's Budget Request	62,591

RATIONALE FOR CHANGES IN THE LEASING ACCOUNT

Price Growth in the Leasing account is due to Civilian Personnel Compensation, Inflation, and Working Capital Fund adjustments. The Program Decreases are due to a minor reduction in the amount of Recruiter Leases based on current execution and the planned transfer of 120 units at the Support Site, Naples, Italy for UH requirements. These homes were vacant and underutilized. See the FH-4 - Analysis of Leased Units for more detail.

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
MARINE CORPS LEASING SUMMARY

(\$000)

FY 2016 Budget Request \$1,517
FY 2015 Program Budget \$1,503

Purpose and Scope

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

Program Summary

	FY 2014			FY 2015			FY 2016		
	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	514	276	276	611	276	276	621
Foreign	6	6	318	13	13	892	15	15	896
USMC Total	282	282	832	289	289	1,503	291	291	1,517

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 2014 - Funding in the amount of \$0.514 million provides full funding for the Section 802 project in Hawaii.

FY 2015 - Funding in the amount of \$0.611 million provides full funding for the Section 802 project in Hawaii.

FY 2016 - Funding in the amount of \$0.621 million provides full funding for the Section 802 project in Hawaii.

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 2014 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 \$0.318 million is required to support these leases.

The FY 2015 unit authorization consists of 13 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 \$0.892 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.

FAMILY HOUSING - MARINE CORPS									
Section 802 Units*									
FY 2016									
Location	FY 2014			FY 2015			FY 2016		
	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	514	276	3,312	611	276	3,312	621
Total Section 802 Leases	276	3,312	514	276	3,312	611	276	3,312	621

* Reflects all Operations & Maintenance Costs associated with the Section 802 units FY13 through FY15.

** MCB, Hawaii Lease expires 23 Jun 2016, Contract expires 21 Dec 2017.

FAMILY HOUSING - MARINE CORPS (Other than Section 801 and Section 802 Units) FY 2016									
Location	FY 2014			FY 2015			FY 2016		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
Foreign Leasing									
* Amman, Jordan	0	0	0	1	12	83	1	12	85
* Kiev, Ukraine	1	12	45	1	12	36	1	12	47
* Accra, Ghana	0	0	0	1	12	85	1	12	87
* Rabat, Morocco	0	0	0	1	12	95	1	12	97
* Cairo, Egypt	0	0	0	1	12	70	1	12	71
* Muscat, Oman	1	12	42	2	24	51	2	24	86
* Dakar, Senegal	1	12	53	1	12	52	2	24	107
* Tel Aviv, Israel	2	24	129	1	12	93	2	24	131
* Tunis, Tunisia	0	0	0	1	12	44	1	12	45
* Ankara, Turkey	0	0	0	1	12	44	2	24	90
* Hanoi, Vietnam	1	12	49	1	12	70	1	12	50
* New Delhi, India	0	0	0	1	12	169	0	0	0
Total Foreign Leases	6	72	318	13	156	892	15	180	896

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

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

LEASING

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2015 President's Budget Request	1,503
2. FY 2015 Appropriated Amount	1,503
3. FY 2015 Current Estimate	1,503
4. Price Growth:	14
a. Inflation	14
4. FY 2016 President's Budget Request	1,517

RATIONALE FOR CHANGES IN THE LEASING ACCOUNT

The Price Growth in the Leasing Account is due to Inflation. 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 2016 BUDGET ESTIMATE
DEPARTMENT OF THE NAVY PRIVATIZATION SUMMARY

(\$000)

FY 2016 Budget Request	\$28,668
FY 2015 Program Budget	\$27,876

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 40 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 40 projects have been executed through FY 2014, totaling over 62,000 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 2016 BUDGET ESTIMATE
NAVY PRIVATIZATION SUMMARY

(\$000)

FY 2016 Budget Request \$17,272
FY 2015 Program Budget \$16,989

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, and one in FY 2014 for a total of 39,540 homes. Total Navy projects awarded are:

FY 1996	Kingsville, TX (Kingsville I)	404 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	2,746 homes
	Mid-Atlantic Region	5,826 homes
FY 2006	Midwest Region	1,401 homes
	San Diego III	4,068 homes
	Hawaii III	2,517 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	29 homes
	San Diego PH V	257 homes
FY 2014	Northwest Region PH II	624 homes

In FY 2015, the Navy plans to award San Diego PH VI, which will convey 226 existing units and projects an end-state of 82 homes, giving the Navy an EOY 2014 PPV end-state of 39,622 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.

* Project originally 185 homes, however all homes have since been sold. Details for all projects are included in the tables that follow.

DEPARTMENT OF THE NAVY, NAVY
FH-6 Family Housing Privatization
Fiscal Year 2016

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	Project		
Jul-06	Kingsville I	0	404	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	H400 NAS Kingsville	#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	H508 NS Puget Sound	#2, #4 & 10 USC 2880, 2881	
	NS San Diego, CA			0.500	FY99	FHIF	PL 105-237		
Oct-01	New Orleans	498	936	11.900	FY98	FHNC	H379 NPWC Pearl Harbor	#2, #4 & 10 USC 2880, 2881	
	NS New Orleans, LA			9.000	FY99	FHNC	H-571 PWC San Diego		
Feb-02	South Texas	537	417	6.200	FY97	FHNC	PL 100-202	#2, #4 & 10 USC 2880, 2881	
	NAS Corpus Christi, TX	465	417	11.900	FH98	FHNC	H-365 FY97 MCAS Beaufort		
May-03	San Diego PH II	3,302	3,217	5.000	FY01	FHNC	H-389 NAS New Orleans	#2, #4 & 10 USC 2880, 2881	
	NS San Diego, CA			22.300	FY98	FHNC	H-535 NSA New Orleans		
May-04	Hawaii Regional PH I	2,003	1,948	7.100	N/A	FHIF	H-581 NAS Corpus Christi	#2, #4 & 10 USC 2880, 2881	
	NAVSTA Pearl Harbor			0.000			H-365 FY97 MCAS Beaufort		
Nov-04	Northeast Regional	5,601	2,950	0.000			No DON Contribution	#2, #4 & 10 USC 2880, 2881, 2882 (c)	
	Lakehurst, NJ	189	114						
	New London, CT	2,119	1,395	24.742	FY03	FHIMP	H-1-03 - Pearl Harbor PPV Seed		
	NAVSTA Newport, RI	1,346	690	0.258	FY03	Design			
	NSY Portsmouth, NH	233	212						
	NSU Saratoga Springs, NY	200	200						
	Mitchel Complex NRD NY	510	250						
Feb-05	Northwest Regional PH I	3,098	2,746	10.112	FY01	Design	H-1-01-03 - San Diego, CA	#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						

DEPARTMENT OF THE NAVY, NAVY
FH-6 Family Housing Privatization
Fiscal Year 2016

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	
Aug-05	NS Everett, WA	109	141				#2, #4 & 10 USC 2872(a), 2880, 2881
	Mid-Atlantic Regional	5,695	5,826				
	Hampton Roads, VA: NAVSTA Norfolk NAB Little Creek Portsmouth Naval Hospital	4,057	4,379			No DON Contribution	
	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	1	1				
	Midwest Regional PH I	2,764	1,401	24.079	FY03	FHNC	
Jan-06	N. Chicago, IL: NTC Great Lakes Naval Hospital GL	2,006	1,056				#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	Fort Sheridan, IL Post BRAC land	329	209				
	Former Base, NAS Glenview	400	112				
	NSWC Crane, IN	29	24				
	San Diego PH III	2,667	4,068				
	NS San Diego, CA	1,512	1,510				
May-06	NAB Coronado, CA	94	97				#2, #4 & 10 USC 2872(a), 2880, 2881
	NAVSUBASE San Diego, CA	530	530	0.000		No DON Contribution	
	Naval Command Control & Ocean Surveillance Center	4	4				
	Naval Medical Center, San Diego	4	4				
	MCAS Miramar	523	1,923				
	Hawaii Regional PH III	2,489	2,517				
Sep-06	NAVSTA Pearl Harbor, NSY PH	2,295	2,325	0.000		No DON Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881
	NCTAMS PAC, Oahu, HI	138	138				
	PMRF Barking Sands, Kauai	56	54				

DEPARTMENT OF THE NAVY, NAVY
FH-6 Family Housing Privatization
Fiscal Year 2016

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	
Sep-07	Southeast Regional	7,178	4,673	16.981	FY03	FHIMP	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NAS Pensacola, FL	571	547	3.874	FY03	Design	
	NAS Whiting Field, FL	328	247	5.059	FY06	FHIMP	
	NSA Panama City, FL	65	49	6.306	FY06	FHIMP	
	NWS Charleston, SC	1,885	649	2.000	FY06	Design	
	NS Mayport, FL	1,156	940	10.700	FY06	FHNC	
	NAS Jacksonville, FL	532	302	19.900	FY07	FHIMP	
	NSB Kings Bay, GA	610	399	8.400	FY09	FHIMP	
	NAS Key West, FL	890	733				
	NASJRB Ft Worth, TX	83	83				
	NAS Meridian, MS	481	163				
NCBC Gulfport, MS	577	561					
Sep-07	San Diego PH IV	3,550	3,523				#2, #4 & 10 USC 2872(a), 2880, 2881
	NAWS China Lake, CA	192	192				
	NAS Lemoore, CA	1,590	1,590				
	NAVBASE Ventura County, CA	1,240	1,222	0.000		No DON Contribution	
	NAF El Centro, CA	101	101				
	NAWPNSTA Seal Beach, CA	197	188				
	NAS Fallon, NV	230	230				
	Midwest Regional PH II	401	318	7.867	FY03	FHNC	
				0.888	FY03	FHNC	
				1.014	FY03	Design	
	NSA Mid-South, Millington, TN			12.231	FY06	FHIMP	
Feb-10	Mid-Atlantic Regional PH II	55	29	0.000		No DON Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Mechanicsburg, PA						
	San Diego PH V	259	257	0.000		No DON Contribution	
Feb-10	NSA Washington DC	258	256				#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Annapolis, MD	1	1				
	Northwest Regional PH II	870	624	27.500	FY13	FHIMP	
Jun-14	Bangor/Bremerton, WA			10.486	FY13	FHIF	#2, #4 & 10 USC 2872(a), 2880, 2881, 2882 (c), 2883
				0.014	FY11	FHIMP	
	San Diego PH VI	226	82	0.000		No DON Contribution	
Mar-15 ⁸	NAVBASE Ventura County, CA						#2, #4 & 10 USC 2872(a), 2880, 2881, 2882 (c), 2883
	Grand Totals	44,097	39,622	323.173			

DEPARTMENT OF THE NAVY, NAVY
 FH-6 Family Housing Privatization
 Fiscal Year 2016

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	
Project							

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 MHPI 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 - Pending final OSD/OMB approval and final notification to Congress.

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

PRIVATIZATION SUPPORT COSTS

Reconciliation of Increases and Decreases

	<u>(Dollars in Thousands)</u>
1. FY 2015 President's Budget Request	16,989
2. FY 2015 Appropriated Amount	16,989
3. FY 2015 Current Estimate	16,989
4. Price Growth:	254
a. Civilian Personnel Compensation	86
b. Inflation	168
5. Program Increases:	29
a. Privatization Adjustments	29
6. FY 2016 President's Budget Request	17,272

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 Increase represents a minor increase beyond the prescribed budget inflation factors to ensure that projected requirements are fully funded.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2016 BUDGET ESTIMATE
MARINE CORPS PRIVATIZATION SUMMARY

(\$000)

FY 2016 Program \$ 11,396
FY 2015 Program \$ 10,887

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 nearly 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

The Marine Corps has two (2) additional projects, totaling approximately 500 homes, under solicitation or in development. Details for these projects are addressed in the tables that follow.

Fourteen of the projects (inclusive of phases) have completed their Initial Development Plans (IDPs). Over 15,800 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; but, resident satisfaction continues to rise as the program matures. The residents remain pleased with the turnaround time on maintenance trouble calls and change of occupancy.

The Marine Corps is promoting and rewarding the frugal and responsible use of energy in Marine Corps privatized housing through the implementation of the Resident Energy Conservation Program (RECP). In preparation for Marine Corps-wide RECP implementation, RECP was initiated as a pilot program at MCB Hawaii, MCAS Beaufort, and MCRD Parris Island. Over the 21 months of live-billing during the pilot, electric use dropped by 12 percent. This represents conservation of over 10 million kilo-watt hours of electricity worth approximately \$2 million. The Marine Corps continues moving aggressively to implement RECP enterprise-wide in all privatized family housing. On 1 October 2012 the Beaufort and Parris Island, S.C., and Marine Corps Base Hawaii converted from live billing with 20 percent buffers to live billing with 10 percent buffers. On 1 February 2013 live billing commenced at Marine Corps Base Camp Lejeune, Marine Corps Air Station Cherry Point, and Marine Corps Air Station New River in North Carolina and the Stewart Housing Area in New York. By 1 April 2014, nearly 100 percent of the Marine Corps 23,000 privatized housing units were in live billing. Only 77 units in Kansas City, Missouri remain outside the program.

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 2016

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	
Oct-2004	Camp Pendleton 2+ PH II	897	897	0.728	FY01	Design	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAS Yuma, AZ	821	821	0.960	FY01	Design	
	MCB Camp Pendleton, CA	76	76	0.728	FY02	Design	
				2.537	FY02	Design	
				0.143	FY02	FHIMP	
				0.904	FY03	Design	
				12.654	FY04	FHIMP	
Oct-2005	Camp Pendleton 2+ PH III	1,801	1,488	25.702	FY05	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	1,567	1,411	20.238	FY05	FHIMP	
	MOBCOM Kansas City, MO	234	77				
Sep-2006	Camp Pendleton 2+ PH IV	2,771	3,160	0.069	FY03	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	2,771	3,160	0.553	FY03	FHIMP	
				0.142	FY03	FHIMP	
				21.724	FY03	FHNC	
				0.084	FY06	FHIMP	
				8.316	FY06	FHIMP	
Sep-2007	Camp Pendleton 2+ PH V	250	253	19.564	FY07	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	143	1.777	FY04	FHNC	
	MCLB Albany, GA	250	110	0.724	FY04	FHIMP	
				1.660	FY04	Design	
Jan-2010	Camp Pendleton 2+ PH VI	0	139	50.000	FY08	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	0	139	1.074	GWOT	FHIMP	
Jan-2010	Camp Pendleton 2+ PH VII	0	172	25.175	FY08	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	172	25.000	FY08	FHIMP	
				10.692	GWOT	FHIMP	

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2016

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	
Sep-2010	Camp Pendleton 2+ PH VIII	0	600	49.600	FY09	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	0	600				
Aug-2015	Camp Pendleton 2+ PH IX	0	-118	54.141	FY09	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	-118				
Oct-2005	Atlantic Marines PH I (CLCPS Phase I)	3,350	3,124	27.002	FY05	FHNC	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	2,137	2,227	56.165	FY05	FHIMP	
	MCAS Cherry Point, NC	591	466				
	MCAS New River, NC	323	260				
	Stewart ANGB, NY	299	171				
Sep-2006	Atlantic Marines PH II (CLCPS Phase II)	1,427	1,186	37.303	FY06	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	539	539	0.250	FY03	Design	
	MCAS Cherry Point, NC	778	558	0.377	FY06	FHIMP	
	MCAS New River, NC	110	89				
Sep-2007	Atlantic Marines PH III (CLCPS Phase III)	2,440	2,031	78.951	FY07		#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	1,206	1,398				
	MCAS Cherry Point, NC	1,110	509				
	Westover ARB, MA	124	124				

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2016

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	
Mar-2003	Atlantic Marines PH III (CLCPS Phase IV) (Tri-Command Communities)	1,558	1,718	14.000	FY97	FHNC	#2, #4 and 10 USC 2872a, 2880, 2881, 2882(c), 2883
	MCAS Beaufort, SC	1,275	1,405	0.200	FY02	FHIMP	
	MCRD Parris Island, SC	230	260	2.980	FY02	FHIMP	
	NH Beaufort, SC	53	53	4.906	FY02	FHIMP	
				2.000	FY01	FHNC	
				2.410	FY01	FHNC	
Mar-2013	Atlantic Marines PH IV (CLCPS PH IV)	1	1	78.857	FY10	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	0	136				
	MCAS Beaufort, SC	0	-136				
	MCAS Cherry Point NC	0	0				
	MCRD Parris Island, SC	1	1				
Dec-2009	Mid-Atlantic Regional PH III	0	260	87.951	FY08	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	0	260				
Sep-2010	Mid-Atlantic Regional PH IV	0	300	81.987	FY09	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	0	300				
Sep-2006	Hawaii Regional PH II	1,175	1,175	65.124	FY06	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI	1,175	1,175				
Sep-2007	Hawaii Regional PH IV	1,142	917	56.052	FY07	FHIMP	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI	1,142	917				

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2016

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	
Sep-2010	Hawaii Regional PH V	0	224	60.000	FY-09	FHIMP	MCB Hawaii HI-H-1201
	MCB Hawaii, HI	0	224				
Aug-2015	Hawaii Regional PH VI	276	260	68.953 26.695	FY-11 FY-11	FHIMP FHIMP	MCB Camp Lejeune LE-H-1101 MCB Camp Pendleton PE-H-1101
	MCB Hawaii, HI	276	260				
Grand Totals		22,231	23,035	1,177.120			

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 MHPI 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 2016 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS**

PRIVATIZATION SUPPORT COSTS

Reconciliation of Increases and Decreases

(Dollars in Thousands)

1. FY 2015 President's Budget Request		10,887
2. FY 2015 Appropriated Amount		10,887
3. FY 2015 Current Estimate		10,887
4. Price Growth:		19
a. Civilian Personnel Compensation	(78)	
b. Inflation	97	
5. Program Increases:		490
a. Increased Oversight	490	
6. FY 2016 President's Budget Request		11,396

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 Increase is based on increased oversight requirements in accordance to amendments made to Section 2884 of Title 10 United States Code and the award of additional privatization phases.

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FOREIGN CURRENCY EXCHANGE DATA
FY 2016 BUDGET SUBMISSION
(\$000)

Appropriation: Family Housing, Navy

	FY 2014			FY 2015			FY 2016		
	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) *	21,616.0	81.7098		0.0	103.9439		0.0	97.0535	
SUBTOTAL - FHCON	21,616.0			0.0			0.0		
FHOPS									
Greece (Euro) *	442.3	0.7259		175.5	0.7452		178.7	0.7457	
Italy (Euro) *	43,803.7	0.7259		45,067.8	0.7452		43,428.7	0.7457	
Japan (Yen) *	53,900.0	81.7098		54,654.0	103.9439		60,325.5	97.0535	
Norway (Krone) *	77.4	5.8662		79.2	5.9595		81.9	5.8685	
Portugal (Euro) *	133.3	0.7259		167.9	0.7452		171.3	0.7457	
South Korea (Won) *	445.2	1,140.7859		421.3	1,167.5295		452.5	1,101.5154	
Singapore (Dollar) *	6,540.3	1.3155		5,453.1	1.2949		5,603.4	1.2842	
Spain (Euro) *	19,968.2	0.7259		9,142.0	0.7452		8,904.3	0.7457	
SUBTOTAL - FHOPS	125,310.2			115,160.6			119,146.2		
TOTAL FH, N	146,926.2			115,160.6			119,146.2		

* = Countries in the Foreign Currency Account.

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FOREIGN CURRENCY EXCHANGE DATA
FY 2016 BUDGET SUBMISSION
(\$000)

Appropriation: Family Housing, Marine Corps

	FY 2014			FY 2015			FY 2016		
	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>Country</u>									
Japan (Yen)* FHOPS	13,824.0		103.9439	11,366.0		103.9439	15,230.0		97.0535
Japan (Yen)* FHCON	32,348.0		103.9439	15,940.0		103.9439	7,857.0		97.0535
TOTAL	46,172.0			27,306.0			23,087.0		

* = Countries in the Foreign Currency Account.

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