DEPARTMENT OF THE NAVY

Fiscal Year (FY) 2014

BUDGET ESTIMATES

FY 2014 Program

MILITARY CONSTRUCTION ACTIVE FORCE (MCON)

AND FAMILY HOUSING PROGRAMS

JUSTIFICATION DATA
Submitted to Congress
April 2013

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Part 1: Military Construction

Part 2: Family Housing

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DEPARTMENT OF THE NAVY

Fiscal Year (FY) 2014

BUDGET ESTIMATES

FY 2014 Program

MILITARY CONSTRUCTION

ACTIVE FORCE (MCON)

JUSTIFICATION DATA
Submitted to Congress
April 2013

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DEPARTMENT OF THE NAVY
FY 2014 Military Construction

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TAB:

SUMMARY OF LOCATIONS

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Summary of Locations

State/Country	Auth Request ($000)	Approp Request ($000)
Inside The United States		
CALIFORNIA	163,067	163,067
FLORIDA	50,846	50,846
GEORGIA	78,327	78,327
HAWAII	325,080	325,080
ILLINOIS	35,851	35,851
MAINE	25,322	25,322
MARYLAND	83,988	83,988
NEVADA	11,334	11,334
NORTH CAROLINA	123,862	123,862
OKLAHOMA	14,144	14,144
RHODE ISLAND	12,422	12,422
SOUTH CAROLINA	73,932	73,932
VIRGINIA	71,041	71,041
WASHINGTON	135,838	160,718
Subtotal	**1,205,054**	**1,229,934**
Outside the United States		
DJIBOUTI	29,000	29,000
GUAM	318,377	318,377
JAPAN	13,388	13,388
Subtotal	**360,765**	**360,765**
Various Locations		
Various Locations	0	109,570
Subtotal	**0**	**109,570**
Total - FY 2014 Military Construction	**1,565,819**	**1,700,269**

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TAB:

INDEX OF LOCATIONS

DEPARTMENT OF THE NAVY
FY 2014 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.
		Inside the United States				
CALIFORNIA						
		MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA				
	939	Engine Dynamometer Facility	14,998	14,998	Current	3
		Subtotal	14,998	14,998		
		MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA				
	970	Ammunition Supply Point Upgrade	13,124	13,124	Current	9
		Subtotal	13,124	13,124		
		NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA				
	281	Aircraft Engine Test Pads	7,198	7,198	Current	17
	593	BAMS Consolidated Maintenance Hangar	17,469	17,469	New	21
		Subtotal	24,667	24,667		
		NAVBASE VENTURA CTY PT MUGU CA PORT HUENEME, CALIFORNIA				
	599	Unaccompanied Housing Conversion	33,600	33,600	Current	27
		Subtotal	33,600	33,600		
		MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA				
	520	Steam Plant Decentralization	34,331	34,331	Current	33
		Subtotal	34,331	34,331		
		NAVBASE CORONADO SAN DIEGO, CALIFORNIA				
	957	H-60 Trainer Facility	8,910	8,910	Current	39
		Subtotal	8,910	8,910		
		MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA				
	159	Camp Wilson Infrastructure Upgrades	33,437	33,437	Current	45
		Subtotal	33,437	33,437		
		Total - CALIFORNIA	**163,067**	**163,067**		

DEPARTMENT OF THE NAVY
FY 2014 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.
		Inside the United States				
FLORIDA						
		NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA				
	659	P-8A Training & Parking Apron Expansion	20,752	20,752	New	53
		Subtotal	20,752	20,752		
		NAVSTA MAYPORT FL JACKSONVILLE, FLORIDA				
	425	LCS Logistics Support Facility	16,093	16,093	New	59
		Subtotal	16,093	16,093		
		NAS KEY WEST FL KEY WEST, FLORIDA				
	678	Aircraft Crash/Rescue & Fire Headquarters	14,001	14,001	Current	65
		Subtotal	14,001	14,001		
		Total - FLORIDA	**50,846**	**50,846**		
GEORGIA						
		MCLB ALBANY GA ALBANY, GEORGIA				
	934	Weapons Storage and Inspection Facility	15,600	15,600	Current	73
	954	CERS Dispatch Facility	1,010	1,010	Current	77
		Subtotal	16,610	16,610		
		MARINE CORPS AIR STATION BEAUFORT TOWNSEND, GEORGIA				
	473	Townsend Bombing Range Land Acq - Phase 1	61,717	61,717	Current	83
		Subtotal	61,717	61,717		
		Total - GEORGIA	**78,327**	**78,327**		

DEPARTMENT OF THE NAVY
FY 2014 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.
		Inside the United States				
HAWAII						
		MARINE CORPS BASE HAWAII KANEOHE, HAWAII				
	778	Armory Addition and Renovation	12,952	12,952	Current	91
	852	3rd Radio Bn Maintenance/Operations Complex	25,336	25,336	Current	97
	863	Aircraft Maintenance Hangar Upgrades	31,820	31,820	New	103
	864	Aircraft Maintenance Expansion	16,968	16,968	New	109
	884	Aviation Simulator Modernization/Addition	17,724	17,724	New	115
	907	MV-22 Parking Apron and Infrastructure	74,665	74,665	New	121
	908	MV-22 Hangar	57,517	57,517	New	127
		Subtotal	236,982	236,982		
		JBPHH PEARL HARBOR HI PEARL CITY, HAWAII				
	493	Water Transmission Line	30,100	30,100	Current	135
		Subtotal	30,100	30,100		
		JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII				
	270	Drydock Waterfront Facility	22,721	22,721	Current	143
	320	Submarine Production Support Facility	35,277	35,277	Current	149
		Subtotal	57,998	57,998		
		Total - HAWAII	**325,080**	**325,080**		
ILLINOIS						
		GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS				
	714	Unaccompanied Housing	35,851	35,851	Current	157
		Subtotal	35,851	35,851		
		Total - ILLINOIS	**35,851**	**35,851**		
MAINE						
		NSS PORTSMOUTH NAVY SHIPYARD CUTLER, MAINE				
	308	NCTAMS VLF Commercial Power Connection	13,800	13,800	Current	163
		Subtotal	13,800	13,800		
		NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE				
	266	Structural Shops Consolidation	11,522	11,522	Current	171
		Subtotal	11,522	11,522		
		Total - MAINE	**25,322**	**25,322**		

DEPARTMENT OF THE NAVY
FY 2014 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.
		Inside the United States				
MARYLAND						
		NAVSUPPACT ANNAPOLIS				
		FORT MEADE, MARYLAND				
	001	MARFORCYBERCOM HQ-OPS Building	83,988	83,988	New	181
		Subtotal	83,988	83,988		
		Total - MARYLAND	**83,988**	**83,988**		
NEVADA						
		NAS FALLON NV				
		FALLON, NEVADA				
	393	Wastewater Treatment Plant	11,334	11,334	Current	189
		Subtotal	11,334	11,334		
		Total - NEVADA	**11,334**	**11,334**		
NORTH CAROLINA						
		MARINE CORPS BASE CAMP LEJEUNE				
		CAMP LEJEUNE, NORTH CAROLINA				
	1349	Operations Training Complex	22,515	22,515	Current	195
	1353	Landfill - Phase 4	20,795	20,795	Current	201
	1445	Steam Decentralization - Camp Johnson	2,620	2,620	Current	205
	1447	Steam Decentralization - Hadnot Point	13,390	13,390	Current	209
	1448	Steam Decentralization - BEQ Nodes	18,679	18,679	Current	213
	674	Corrosion Control Hangar	12,547	12,547	Current	217
	676	CH-53K Maintenance Training Facility	13,218	13,218	New	223
	726	Regional Communication Station	20,098	20,098	Current	229
		Subtotal	123,862	123,862		
		Total - NORTH CAROLINA	**123,862**	**123,862**		
OKLAHOMA						
		GREAT LAKES NAVAL STATION				
		TINKER AFB, OKLAHOMA				
	136	TACAMO E-6B Hangar	14,144	14,144	Current	237
		Subtotal	14,144	14,144		
		Total - OKLAHOMA	**14,144**	**14,144**		
RHODE ISLAND						
		NAVAL STATION NEWPORT RI				
		NEWPORT, RHODE ISLAND				
	103	Hewitt Hall Research Center	12,422	12,422	Current	245
		Subtotal	12,422	12,422		
		Total - RHODE ISLAND	**12,422**	**12,422**		

DEPARTMENT OF THE NAVY
FY 2014 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.
		Inside the United States				
SOUTH CAROLINA						
		SUBASE KINGS BAY GA				
		GOOSE CREEK, SOUTH CAROLINA				
	100	Nuclear Power Operational Training Facility	73,932	73,932	Current	251
		Subtotal	73,932	73,932		
		Total - SOUTH CAROLINA	**73,932**	**73,932**		
VIRGINIA						
		NAVSTA NORFOLK VA				
		NORFOLK, VIRGINIA				
	500	Pier 11 Power Upgrades for CVN-78	3,380	3,380	New	261
		Subtotal	3,380	3,380		
		MARINE CORPS BASE QUANTICO				
		QUANTICO, VIRGINIA				
	1406	ATC Transmitter/Receiver Relocation	3,630	3,630	Current	267
	588	Fuller Road Improvements	9,013	9,013	Current	271
	677	Academic Instruction Facility TECOM Schools	25,731	25,731	Current	277
		Subtotal	38,374	38,374		
		NAS OCEANA VA				
		VIRGINIA BEACH, VIRGINIA				
	815	Aerial Target Operation Consolidation	10,587	10,587	Current	285
		Subtotal	10,587	10,587		
		NAVAL WEAPONS STATION YORKTOWN				
		YORKTOWN, VIRGINIA				
	461	Small Arms Ranges	18,700	18,700	Current	293
		Subtotal	18,700	18,700		
		Total - VIRGINIA	**71,041**	**71,041**		
WASHINGTON						
		NAVAL BASE KITSAP BREMERTON WA				
		BANGOR, WASHINGTON				
	990B	Explosives Handling Wharf #2 - Inc 3	0	24,880	Current	303
		Subtotal	0	24,880		
		NAVAL BASE KITSAP BREMERTON WA				
		BREMERTON, WASHINGTON				
	420	Integrated Water Treatment Sys Dry Docks 3&4	18,189	18,189	Current	311
		Subtotal	18,189	18,189		
		NAS WHIDBEY ISLAND WA				
		OAK HARBOR, WASHINGTON				
	239	EA-18G Facility Improvements	32,482	32,482	New	319
	251	P-8A Hangar and Training Facilities	85,167	85,167	New	325
		Subtotal	117,649	117,649		
		Total - WASHINGTON	**135,838**	**160,718**		
		Total - Inside The United States	**1,205,054**	**1,229,934**		

DEPARTMENT OF THE NAVY
FY 2014 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.
		Outside the United States				
DJIBOUTI						
		CAMP LEMONNIER DJIBOUTI				
		DJIBOUTI, DJIBOUTI				
	227	Armory	6,420	6,420	Current	333
	921	Unaccompanied Housing	22,580	22,580	Current	337
		Subtotal	29,000	29,000		
		Total - DJIBOUTI	**29,000**	**29,000**		
GUAM						
		NAVBASE GUAM				
		AGANA, GUAM				
	425	Modular Storage Magazines	63,382	63,382	Current	343
	566	Emergent Repair Facility Expansion	35,860	35,860	Current	349
	637	Dehumidified Supply Storage Facility	17,170	17,170	Current	355
	638	Sierra Wharf Improvements	1,170	1,170	Current	359
		Subtotal	117,582	117,582		
		NSA ANDERSEN GUAM				
		ANDERSEN AB, GUAM				
	109	Aircraft Maintenance Hangar - North Ramp	85,673	85,673	New	365
	625	BAMS Forward Operational & Maintenance Hangar	61,702	61,702	New	371
		Subtotal	147,375	147,375		
		NAVBASE GUAM				
		APRA, GUAM				
	518	X-Ray Wharf Improvements	53,420	53,420	Current	379
		Subtotal	53,420	53,420		
		Total - GUAM	**318,377**	**318,377**		
JAPAN						
		MARINE CORPS BASE, CAMP SMEDLEY BUTLER				
		FUTENMA, JAPAN				
	201	Airfield Security Upgrades	5,820	5,820	Current	387
		Subtotal	5,820	5,820		
		COMFLEACT YOKOSUKA JA				
		YOKOSUKA, JAPAN				
	011	Communication System Upgrade	7,568	7,568	Current	393
		Subtotal	7,568	7,568		
		Total - JAPAN	**13,388**	**13,388**		
		Total - Outside The United States	**360,765**	**360,765**		
		Various Locations				
	214	Planning & Design	0	89,830	Current	397
	214	Unspecified Minor Construction	0	19,740	Current	399
		Total - Various Locations	**0**	**109,570**		

DEPARTMENT OF THE NAVY
FY 2014 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.
		Grand Total	1,565,819	1,700,269		

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TAB:

INDEX OF LOCATIONS (NAVY)

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request ($000)	Approp Request ($000)	Mission	Page No.
		Inside the United States				
CALIFORNIA						
		NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA				
	281	Aircraft Engine Test Pads	7,198	7,198	Current	17
	593	BAMS Consolidated Maintenance Hangar	17,469	17,469	New	21
		Subtotal	24,667	24,667		
		NAVBASE VENTURA CTY PT MUGU CA PORT HUENEME, CALIFORNIA				
	599	Unaccompanied Housing Conversion	33,600	33,600	Current	27
		Subtotal	33,600	33,600		
		NAVBASE CORONADO SAN DIEGO, CALIFORNIA				
	957	H-60 Trainer Facility	8,910	8,910	Current	39
		Subtotal	8,910	8,910		
		Total - CALIFORNIA	**67,177**	**67,177**		
FLORIDA						
		NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA				
	659	P-8A Training & Parking Apron Expansion	20,752	20,752	New	53
		Subtotal	20,752	20,752		
		NAVSTA MAYPORT FL JACKSONVILLE, FLORIDA				
	425	LCS Logistics Support Facility	16,093	16,093	New	59
		Subtotal	16,093	16,093		
		NAS KEY WEST FL KEY WEST, FLORIDA				
	678	Aircraft Crash/Rescue & Fire Headquarters	14,001	14,001	Current	65
		Subtotal	14,001	14,001		
		Total - FLORIDA	**50,846**	**50,846**		
HAWAII						
		JBPHH PEARL HARBOR HI PEARL CITY, HAWAII				
	493	Water Transmission Line	30,100	30,100	Current	135
		Subtotal	30,100	30,100		
		JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII				
	270	Drydock Waterfront Facility	22,721	22,721	Current	143
	320	Submarine Production Support Facility	35,277	35,277	Current	149
		Subtotal	57,998	57,998		
		Total - HAWAII	**88,098**	**88,098**		

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request ($000)	Approp Request ($000)	Mission	Page No.
		Inside the United States				
ILLINOIS						
		GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS				
	714	Unaccompanied Housing	35,851	35,851	Current	157
		Subtotal	35,851	35,851		
		Total - ILLINOIS	**35,851**	**35,851**		
MAINE						
		NSS PORTSMOUTH NAVY SHIPYARD CUTLER, MAINE				
	308	NCTAMS VLF Commercial Power Connection	13,800	13,800	Current	163
		Subtotal	13,800	13,800		
		NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE				
	266	Structural Shops Consolidation	11,522	11,522	Current	171
		Subtotal	11,522	11,522		
		Total - MAINE	**25,322**	**25,322**		
NEVADA						
		NAS FALLON NV FALLON, NEVADA				
	393	Wastewater Treatment Plant	11,334	11,334	Current	189
		Subtotal	11,334	11,334		
		Total - NEVADA	**11,334**	**11,334**		
OKLAHOMA						
		GREAT LAKES NAVAL STATION TINKER AFB, OKLAHOMA				
	136	TACAMO E-6B Hangar	14,144	14,144	Current	237
		Subtotal	14,144	14,144		
		Total - OKLAHOMA	**14,144**	**14,144**		
RHODE ISLAND						
		NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND				
	103	Hewitt Hall Research Center	12,422	12,422	Current	245
		Subtotal	12,422	12,422		
		Total - RHODE ISLAND	**12,422**	**12,422**		

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request ($000)	Approp Request ($000)	Mission	Page No.
		Inside the United States				
SOUTH CAROLINA						
		SUBASE KINGS BAY GA GOOSE CREEK, SOUTH CAROLINA				
	100	Nuclear Power Operational Training Facility	73,932	73,932	Current	251
		Subtotal	73,932	73,932		
		Total - SOUTH CAROLINA	**73,932**	**73,932**		
VIRGINIA						
		NAVSTA NORFOLK VA NORFOLK, VIRGINIA				
	500	Pier 11 Power Upgrades for CVN-78	3,380	3,380	New	261
		Subtotal	3,380	3,380		
		NAS OCEANA VA VIRGINIA BEACH, VIRGINIA				
	815	Aerial Target Operation Consolidation	10,587	10,587	Current	285
		Subtotal	10,587	10,587		
		Total - VIRGINIA	**13,967**	**13,967**		
WASHINGTON						
		NAVAL BASE KITSAP BREMERTON WA BANGOR, WASHINGTON				
	990B	Explosives Handling Wharf #2 - Inc 3	0	24,880	Current	303
		Subtotal	0	24,880		
		NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON				
	420	Integrated Water Treatment Sys Dry Docks 3&4	18,189	18,189	Current	311
		Subtotal	18,189	18,189		
		NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON				
	239	EA-18G Facility Improvements	32,482	32,482	New	319
	251	P-8A Hangar and Training Facilities	85,167	85,167	New	325
		Subtotal	117,649	117,649		
		Total - WASHINGTON	**135,838**	**160,718**		
		Total - Inside The United States	**528,931**	**553,811**		

DEPARTMENT OF THE NAVY
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Index of Locations for Navy Projects

State/ Cntry	Proj No.	Location	Auth Request ($000)	Approp Request ($000)	Mission	Page No.
		Outside the United States				
DJIBOUTI						
		CAMP LEMONNIER DJIBOUTI				
		DJIBOUTI, DJIBOUTI				
	227	Armory	6,420	6,420	Current	333
	921	Unaccompanied Housing	22,580	22,580	Current	337
		Subtotal	29,000	29,000		
		Total - DJIBOUTI	**29,000**	**29,000**		
GUAM						
		NAVBASE GUAM				
		AGANA, GUAM				
	425	Modular Storage Magazines	63,382	63,382	Current	343
	566	Emergent Repair Facility Expansion	35,860	35,860	Current	349
	637	Dehumidified Supply Storage Facility	17,170	17,170	Current	355
	638	Sierra Wharf Improvements	1,170	1,170	Current	359
		Subtotal	117,582	117,582		
		NSA ANDERSEN GUAM				
		ANDERSEN AB, GUAM				
	625	BAMS Forward Operational & Maintenance Hangar	61,702	61,702	New	371
		Subtotal	61,702	61,702		
		NAVBASE GUAM				
		APRA, GUAM				
	518	X-Ray Wharf Improvements	53,420	53,420	Current	379
		Subtotal	53,420	53,420		
		Total - GUAM	**232,704**	**232,704**		
JAPAN						
		COMFLEACT YOKOSUKA JA				
		YOKOSUKA, JAPAN				
	011	Communication System Upgrade	7,568	7,568	Current	393
		Subtotal	7,568	7,568		
		Total - JAPAN	**7,568**	**7,568**		
		Total - Outside The United States	**269,272**	**269,272**		
		Various Locations				
	214	Planning & Design	0	89,830	Current	397
	214	Unspecified Minor Construction	0	19,740	Current	399
		Total - Various Locations	**0**	**109,570**		

TAB:

INDEX OF LOCATIONS
(MARINES)

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request ($000)	Approp Request ($000)	Mission	Page No.
		Inside the United States				
CALIFORNIA						
		MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA				
	939	Engine Dynamometer Facility	14,998	14,998	Current	3
		Subtotal	14,998	14,998		
		MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA				
	970	Ammunition Supply Point Upgrade	13,124	13,124	Current	9
		Subtotal	13,124	13,124		
		MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA				
	520	Steam Plant Decentralization	34,331	34,331	Current	33
		Subtotal	34,331	34,331		
		MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA				
	159	Camp Wilson Infrastructure Upgrades	33,437	33,437	Current	45
		Subtotal	33,437	33,437		
		Total - CALIFORNIA	**95,890**	**95,890**		
GEORGIA						
		MCLB ALBANY GA ALBANY, GEORGIA				
	934	Weapons Storage and Inspection Facility	15,600	15,600	Current	73
	954	CERS Dispatch Facility	1,010	1,010	Current	77
		Subtotal	16,610	16,610		
		MARINE CORPS AIR STATION BEAUFORT TOWNSEND, GEORGIA				
	473	Townsend Bombing Range Land Acq - Phase 1	61,717	61,717	Current	83
		Subtotal	61,717	61,717		
		Total - GEORGIA	**78,327**	**78,327**		
HAWAII						
		MARINE CORPS BASE HAWAII KANEOHE, HAWAII				
	778	Armory Addition and Renovation	12,952	12,952	Current	91
	852	3rd Radio Bn Maintenance/Operations Complex	25,336	25,336	Current	97
	863	Aircraft Maintenance Hangar Upgrades	31,820	31,820	New	103
	864	Aircraft Maintenance Expansion	16,968	16,968	New	109
	884	Aviation Simulator Modernization/Addition	17,724	17,724	New	115
	907	MV-22 Parking Apron and Infrastructure	74,665	74,665	New	121
	908	MV-22 Hangar	57,517	57,517	New	127
		Subtotal	236,982	236,982		
		Total - HAWAII	**236,982**	**236,982**		

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request ($000)	Approp Request ($000)	Mission	Page No.
		Inside the United States				
MARYLAND						
		NAVSUPPACT ANNAPOLIS FORT MEADE, MARYLAND				
	001	MARFORCYBERCOM HQ-OPS Building	83,988	83,988	New	181
		Subtotal	83,988	83,988		
		Total - MARYLAND	**83,988**	**83,988**		
NORTH CAROLINA						
		MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA				
	1349	Operations Training Complex	22,515	22,515	Current	195
	1353	Landfill - Phase 4	20,795	20,795	Current	201
	1445	Steam Decentralization - Camp Johnson	2,620	2,620	Current	205
	1447	Steam Decentralization - Hadnot Point	13,390	13,390	Current	209
	1448	Steam Decentralization - BEQ Nodes	18,679	18,679	Current	213
	674	Corrosion Control Hangar	12,547	12,547	Current	217
	676	CH-53K Maintenance Training Facility	13,218	13,218	New	223
	726	Regional Communication Station	20,098	20,098	Current	229
		Subtotal	123,862	123,862		
		Total - NORTH CAROLINA	**123,862**	**123,862**		
VIRGINIA						
		MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA				
	1406	ATC Transmitter/Receiver Relocation	3,630	3,630	Current	267
	588	Fuller Road Improvements	9,013	9,013	Current	271
	677	Academic Instruction Facility TECOM Schools	25,731	25,731	Current	277
		Subtotal	38,374	38,374		
		NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA				
	461	Small Arms Ranges	18,700	18,700	Current	293
		Subtotal	18,700	18,700		
		Total - VIRGINIA	**57,074**	**57,074**		
		Total - Inside The United States	**676,123**	**676,123**		
		Outside the United States				
GUAM						
		NSA ANDERSEN GUAM ANDERSEN AB, GUAM				
	109	Aircraft Maintenance Hangar - North Ramp	85,673	85,673	New	365
		Subtotal	85,673	85,673		
		Total - GUAM	**85,673**	**85,673**		

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Index of Locations for Marine Corps Projects

State/ Cntry	Proj No.	Location	Auth Request ($000)	Approp Request ($000)	Mission	Page No.
		Outside the United States				
JAPAN						
		MARINE CORPS BASE, CAMP SMEDLEY BUTLER FUTENMA, JAPAN				
	201	Airfield Security Upgrades	5,820	5,820	Current	387
		Subtotal	5,820	5,820		
		Total - JAPAN	**5,820**	**5,820**		
		Total - Outside The United States	**91,493**	**91,493**		

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MISSION STATUS INDEX

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request ($000)	Mission Status
Inside the United States				
CALIFORNIA				
MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA	939	Engine Dynamometer Facility	14,998	Current
MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA	970	Ammunition Supply Point Upgrade	13,124	Current
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	281	Aircraft Engine Test Pads	7,198	Current
	593	BAMS Consolidated Maintenance Hangar	17,469	New
NAVBASE VENTURA CTY PT MUGU CA PORT HUENEME, CALIFORNIA	599	Unaccompanied Housing Conversion	33,600	Current
MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	520	Steam Plant Decentralization	34,331	Current
NAVBASE CORONADO SAN DIEGO, CALIFORNIA	957	H-60 Trainer Facility	8,910	Current
MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA	159	Camp Wilson Infrastructure Upgrades	33,437	Current
FLORIDA				
NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA	659	P-8A Training & Parking Apron Expansion	20,752	New
NAVSTA MAYPORT FL JACKSONVILLE, FLORIDA	425	LCS Logistics Support Facility	16,093	New
NAS KEY WEST FL KEY WEST, FLORIDA	678	Aircraft Crash/Rescue & Fire Headquarters	14,001	Current
GEORGIA				
MCLB ALBANY GA ALBANY, GEORGIA	934	Weapons Storage and Inspection Facility	15,600	Current
	954	CERS Dispatch Facility	1,010	Current
MARINE CORPS AIR STATION BEAUFORT TOWNSEND, GEORGIA	473	Townsend Bombing Range Land Acq - Phase 1	61,717	Current

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request ($000)	Mission Status
Inside the United States				
HAWAII				
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	778	Armory Addition and Renovation	12,952	Current
	852	3rd Radio Bn Maintenance/Operations Complex	25,336	Current
	863	Aircraft Maintenance Hangar Upgrades	31,820	New
	864	Aircraft Maintenance Expansion	16,968	New
	884	Aviation Simulator Modernization/Addition	17,724	New
	907	MV-22 Parking Apron and Infrastructure	74,665	New
	908	MV-22 Hangar	57,517	New
JBPHH PEARL HARBOR HI PEARL CITY, HAWAII	493	Water Transmission Line	30,100	Current
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	270	Drydock Waterfront Facility	22,721	Current
	320	Submarine Production Support Facility	35,277	Current
ILLINOIS				
GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS	714	Unaccompanied Housing	35,851	Current
MAINE				
NSS PORTSMOUTH NAVY SHIPYARD CUTLER, MAINE	308	NCTAMS VLF Commercial Power Connection	13,800	Current
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	266	Structural Shops Consolidation	11,522	Current
MARYLAND				
NAVSUPPACT ANNAPOLIS FORT MEADE, MARYLAND	001	MARFORCYBERCOM HQ-OPS Building	83,988	New
NEVADA				
NAS FALLON NV FALLON, NEVADA	393	Wastewater Treatment Plant	11,334	Current

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request ($000)	Mission Status
Inside the United States				
NORTH CAROLINA				
MARINE CORPS BASE CAMP LEJEUNE CAMP LEJEUNE, NORTH CAROLINA	1349	Operations Training Complex	22,515	Current
	1353	Landfill - Phase 4	20,795	Current
	1445	Steam Decentralization - Camp Johnson	2,620	Current
	1447	Steam Decentralization - Hadnot Point	13,390	Current
	1448	Steam Decentralization - BEQ Nodes	18,679	Current
	674	Corrosion Control Hangar	12,547	Current
	676	CH-53K Maintenance Training Facility	13,218	New
	726	Regional Communication Station	20,098	Current
OKLAHOMA				
GREAT LAKES NAVAL STATION TINKER AFB, OKLAHOMA	136	TACAMO E-6B Hangar	14,144	Current
RHODE ISLAND				
NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	103	Hewitt Hall Research Center	12,422	Current
SOUTH CAROLINA				
SUBASE KINGS BAY GA GOOSE CREEK, SOUTH CAROLINA	100	Nuclear Power Operational Training Facility	73,932	Current
VIRGINIA				
NAVSTA NORFOLK VA NORFOLK, VIRGINIA	500	Pier 11 Power Upgrades for CVN-78	3,380	New
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	1406	ATC Transmitter/Receiver Relocation	3,630	Current
	588	Fuller Road Improvements	9,013	Current
	677	Academic Instruction Facility TECOM Schools	25,731	Current
NAS OCEANA VA VIRGINIA BEACH, VIRGINIA	815	Aerial Target Operation Consolidation	10,587	Current
NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	461	Small Arms Ranges	18,700	Current
WASHINGTON				
NAVAL BASE KITSAP BREMERTON WA BANGOR, WASHINGTON	990B	Explosives Handling Wharf #2 - Inc 3	24,880	Current
NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON	420	Integrated Water Treatment Sys Dry Docks 3&4	18,189	Current
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	239	EA-18G Facility Improvements	32,482	New
	251	P-8A Hangar and Training Facilities	85,167	New

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Mission Status Index

Installation/Location	Proj No.	Project Title	Approp Request ($000)	Mission Status
Outside the United States				
DJIBOUTI				
CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	227	Armory	6,420	Current
	921	Unaccompanied Housing	22,580	Current
GUAM				
NAVBASE GUAM AGANA, GUAM	425	Modular Storage Magazines	63,382	Current
	566	Emergent Repair Facility Expansion	35,860	Current
	637	Dehumidified Supply Storage Facility	17,170	Current
	638	Sierra Wharf Improvements	1,170	Current
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	109	Aircraft Maintenance Hangar - North Ramp	85,673	New
	625	BAMS Forward Operational & Maintenance Hangar	61,702	New
NAVBASE GUAM APRA, GUAM	518	X-Ray Wharf Improvements	53,420	Current
JAPAN				
MARINE CORPS BASE, CAMP SMEDLEY BUTLER FUTENMA, JAPAN	201	Airfield Security Upgrades	5,820	Current
COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	011	Communication System Upgrade	7,568	Current
Various Locations				
VARIOUS LOCATIONS				
Various Locations	214	Planning & Design	89,830	Current
Various Locations	214	Unspecified Minor Construction	19,740	Current

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INSTALLATION INDEX

DEPARTMENT OF THE NAVY
FY 2014 Military Construction

Installation Index

Installation	Location	DD1390 PageNo.
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	B	
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MARINE CORPS LOGISTICS BASE	BARSTOW, CALIFORNIA	1
NAVAL BASE KITSAP BREMERTON WA	BREMERTON, WASHINGTON	309
	C	
MARINE CORPS BASE CAMP LEJEUNE	CAMP LEJEUNE, NORTH CAROLINA	193
MARINE CORPS BASE CAMP PENDLETON	CAMP PENDLETON, CALIFORNIA	7
NSS PORTSMOUTH NAVY SHIPYARD	CUTLER, MAINE	161
	F	
NAS FALLON NV	FALLON, NEVADA	187
NAVSUPPACT ANNAPOLIS	FORT MEADE, MARYLAND	179
	G	
SUBASE KINGS BAY GA	GOOSE CREEK, SOUTH CAROLINA	249
GREAT LAKES NAVAL STATION	GREAT LAKES, ILLINOIS	155
	J	
NAS JACKSONVILLE FL	JACKSONVILLE, FLORIDA	51
NAVSTA MAYPORT FL	JACKSONVILLE, FLORIDA	57
	K	
MARINE CORPS BASE HAWAII	KANEOHE, HAWAII	89
NAS KEY WEST FL	KEY WEST, FLORIDA	63
NSS PORTSMOUTH NAVY SHIPYARD	KITTERY, MAINE	169
	N	
NAVAL STATION NEWPORT RI	NEWPORT, RHODE ISLAND	243
NAVSTA NORFOLK VA	NORFOLK, VIRGINIA	259
	O	
NAS WHIDBEY ISLAND WA	OAK HARBOR, WASHINGTON	317
	P	
JBPHH PEARL HARBOR HI	PEARL CITY, HAWAII	133
JBPHH PEARL HARBOR HI	PEARL HARBOR, HAWAII	141
NAVBASE VENTURA CTY PT MUGU CA	POINT MUGU, CALIFORNIA	15
NAVBASE VENTURA CTY PT MUGU CA	PORT HUENEME, CALIFORNIA	25
	Q	
MARINE CORPS BASE QUANTICO	QUANTICO, VIRGINIA	265
	S	
MARINE CORPS RECRUIT DEPOT	SAN DIEGO, CALIFORNIA	31
NAVBASE CORONADO	SAN DIEGO, CALIFORNIA	37
	T	
GREAT LAKES NAVAL STATION	TINKER AFB, OKLAHOMA	235
MARINE CORPS AIR STATION BEAUFORT	TOWNSEND, GEORGIA	81
MARINE CORPS BASE TWENTYNINE PALMS	TWENTYNINE PALMS, CALIFORNIA	43

DEPARTMENT OF THE NAVY
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Installation Index

Installation	Location	DD1390 PageNo.
	V	
NAS OCEANA VA	VIRGINIA BEACH, VIRGINIA	283
	Y	
NAVAL WEAPONS STATION YORKTOWN	YORKTOWN, VIRGINIA	291

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APPROPRIATION LANGUAGE

DEPARTMENT OF THE NAVY
FY 2014 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 as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [$x,xxx,xxx,xxx] $1,700,269,000 to remain available until September 30, [2017] 2018. Provided, that of this amount, not to exceed [$xxx,xxx,xxx] $89,830,000 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 2013 appropriations shown in brackets.

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SPECIAL PROGRAM CONSIDERATIONS

DEPARTMENT OF THE NAVY
FY 2014 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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INSIDE THE U.S.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M62204	4. Command	5. Area Const Cost Index
MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA	Commandant of the Marine Corps	1.27

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	18	80	536	0	0	0	0	0	476	1110
B. End FY 2017	18	80	536	0	0	0	0	0	476	1110

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(5405 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	1,346,402
C.	AUTHORIZATION NOT YET IN INVENTORY	8,590
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	14,998
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	120,572
H.	**GRAND TOTAL .....**	**1,490,562**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21453	Engine Dynamometer Facility	09/2009	03/2014	977 m2	14,998
				TOTAL	14,998

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
C. R&M Unfunded Requirement ($000):	58,152

10. Mission or Major Functions:

MCLB Barstow enables operational readiness through infrastructure, logistics and services in order to support Marine Corps, Army, and other government components. The logistics base procures, maintains, repairs, rebuilds, stores and distributes supplies and equipment. 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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M62204	4. Project Title
MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA	Engine Dynamometer Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21453	P939	14,998

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ENGINE DYNAMOMETER FACILITY (10,516 SF)	m2	977		9,500
ENGINE DYNAMOMETER (10,516 SF)	m2	977	3,246.27	(3,170)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(30)
BUILT-IN EQUIPMENT	LS			(5,820)
SPECIAL COSTS	LS			(140)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(190)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(150)
SUPPORTING FACILITIES				3,540
SITE PREPARATIONS	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(330)
ELECTRICAL UTILITIES	LS			(1,940)
MECHANICAL UTILITIES	LS			(530)
ENVIRONMENTAL MITIGATION	LS			(310)
DEMOLITION	LS			(380)
SUBTOTAL				13,040
CONTINGENCY (5%)				650
TOTAL CONTRACT COST				13,690
SIOH (5.7%)				780
SUBTOTAL				14,470
DESIGN/BUILD - DESIGN COST				520
TOTAL REQUEST ROUNDED				14,990
TOTAL REQUEST				14,998

10. Description of Proposed Construction:

Construct a high-bay low rise Engine Dynamometer Facility with reinforced concrete masonry unit walls, concrete slab on grade and standing seam metal roof. The facility includes nine test room cells, test control space, administrative space and telecommunications room.

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.

The built-in equipment includes direct current power supply system, five overhead cranes between cells, fuel storage and delivery system, oil storage and delivery system, salt water pumping system, dynamometer cooling system, test engine exhaust ventilation, test engine exhaust pollution abatement equipment, pneumatic control system and compressed air system.

Special costs includes cell wall sound attenuation, swinging sound-proof and blast-proof cell doors, blast-proof cell walls, large shatter-proof cell observation windows, explosion-proof industrial metal halide lighting and post construction contract award services.

Operations and maintenance support information and geospatial survey and mapping is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, excavation, demolition of four cooling towers and concrete hardstand and preparation for construction.

Paving and site improvements include grading, structural fill, concrete hardstand, parking facilities for approximately 15 vehicles, roadway improvements, curbs, sidewalks, landscaping, fencing, signs and storm-water drainage.

Electrical utilities include primary and secondary distribution systems, renewable energy system, lighting, transformers, and telecommunications infrastructure.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, solar hot water system, sanitary sewer lines, fire protection systems, and supply lines.

Environmental mitigation includes contaminated soil removal and disposal.

Demolish the existing Paxman Dynamometer Facility, Building #S583 (100m2).

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M62204	4. Project Title
MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA	Engine Dynamometer Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21453	P939	14,998

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: 977 m2 **Adequate:** **Substandard:**

PROJECT:

Construct a facility that can accommodate engine dynamometers utilized for combat vehicle engine tests.

(Current Mission)

REQUIREMENT:

A facility is required to accommodate state-of-the-art power test dynamometers with integrated computer and manually operated control panels.

CURRENT SITUATION:

The existing dynamometer operations are located in multiple areas at Marine Corps Logistics Base Barstow, at Building #S583 and three different areas within Building #573. The two power test dynamometers are physically too large for the existing facility where it is housed and that creates a safety hazard to the employees due to noise levels and insufficient room to safely navigate around the engine and dynamometer while it is running. The existing Paxman engine test facility has no protection from inclement weather. The sides of this facility are covered with canvas and there are no door enclosures. Lack of protection causes deterioration of dynamometer computers.

IMPACT IF NOT PROVIDED:

Conditions will continue to decline. Engine testing will continue to be performed in facilities that do not have adequate space for efficient and safe operations. Smaller engines will continue to be tested inefficiently on larger dynamometers. Existing engine testing workload is in excess of $5.1M annually and could be handled more quickly and at a lower cost to the customer in a state-of-the-art dynamometer facility.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	09/2009
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	03/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M62204	4. Project Title
MARINE CORPS LOGISTICS BASE BARSTOW, CALIFORNIA	Engine Dynamometer Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21453	P939	14,998

(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	$400
(B) All other design costs	$150
(C) Total	$550
(D) Contract	$250
(E) In-house	$300
4. Contract award:	01/2014
5. Construction start:	04/2014
6. Construction complete:	05/2015

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 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: (760) 577-6882

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M00681	4. Command	5. Area Const Cost Index
MARINE CORPS BASE CAMP PENDLETON CAMP PENDLETON, CALIFORNIA	Commandant of the Marine Corps	1.13

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	3044	33048	3082	505	30200	83	0	0	47494	117456
B. End FY 2017	2730	27988	3058	397	27450	47	0	0	47494	109164

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(127159 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	10,271,396
C.	AUTHORIZATION NOT YET IN INVENTORY	1,127,467
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	13,124
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	110,385
F.	PLANNED IN NEXT THREE PROGRAM YEARS	46,250
G.	REMAINING DEFICIENCY	1,948,216
H.	**GRAND TOTAL .....**	**13,516,838**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
42122	Ammunition Supply Point Upgrade	09/2011	05/2014	3065 m2	13,124
				TOTAL	13,124

9. Future Projects:

A. Included In The Following Program:

61010	Convert Hospital Facility to Ops/Admin Center	52,865
73010	Fire Station Replacement	13,120
61072	Tri-MEU Operations Complex	44,400
	TOTAL	110,385

B. Major Planned Next Three Years:

42122	Ammunition Supply Point Upgrade, Phase 2	32,970
42122	Ammunition Supply Point Upgrade, Phase 3	13,280
	TOTAL	46,250

C. R&M Unfunded Requirement ($000): 587,823

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. Additionally, the installation supports and enhances the combat readiness of 3rd Marine Aircraft Wing units.

11. Outstanding Pollution and Safety Deficiencies ($000):

1. Component NAVY	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date 31 MAR 2013
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 1.13

A. Pollution Abatement(*): 0

B. Occupational Safety and Health(OSH)(#): 0

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00681(AI)	4. Project Title
MARINE CORPS BASE CAMP PENDLETON (LAS PULGAS AREA (43)) CAMP PENDLETON, CALIFORNIA	Ammunition Supply Point Upgrade

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	42122	P970	13,124

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AMMUNITION SUPPLY POINT UPGRADE (32,991 SF)	m2	3,065		4,960
AMMUNITION SEGREGATIONS FACILITY (4,553 SF)	m2	423	1,045.34	(440)
HE MAGAZINE (13,003 SF)	m2	1,208	2,245.65	(2,710)
SMALL ARMS MAGAZINE (12,357 SF)	m2	1,148	1,029.03	(1,180)
ADMIN FACILITY (3,078 SF)	m2	286	1,806.45	(520)
BUILT-IN EQUIPMENT	LS			(20)
SPECIAL COSTS	LS			(20)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(20)
SUPPORTING FACILITIES				6,450
SITE PREPARATIONS	LS			(1,530)
PAVING AND SITE IMPROVEMENTS	LS			(880)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
ELECTRICAL UTILITIES	LS			(1,170)
MECHANICAL UTILITIES	LS			(2,100)
ENVIRONMENTAL MITIGATION	LS			(70)
DEMOLITION	LS			(200)
WATER STORAGE	LS			(490)
SUBTOTAL				11,410
CONTINGENCY (5%)				570
TOTAL CONTRACT COST				11,980
SIOH (5.7%)				680
SUBTOTAL				12,660
DESIGN/BUILD - DESIGN COST				460
TOTAL REQUEST ROUNDED				13,120
TOTAL REQUEST				13,124
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(309)

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00681(AI)	4. Project Title
MARINE CORPS BASE CAMP PENDLETON (LAS PULGAS AREA (43)) CAMP PENDLETON, CALIFORNIA	Ammunition Supply Point Upgrade

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	42122	P970	13,124

10. Description of Proposed Construction:

Construct one elevated Segregations Facility including reinforced concrete foundation, reinforced concrete masonry unit (CMU) exterior walls and a standing seam metal roof. Facility includes loading bays, inspection bays, warehouse area including circulation space and administrative areas.

Construct one low rise, above ground High Mobility Artillery Rocket Systems (HIMARS) High Explosive (HE) Magazine with reinforced concrete walls, reinforced doors and windows, reinforced concrete and earth covered roof and reinforced concrete foundation and floor slab. Facility includes passive mechanical ventilation and reinforced concrete blast wall.

Construct one above ground, single open bay, small arms ammunition storage facility including reinforced concrete foundation, reinforced CMU exterior walls and a standing seam metal roof. Facility includes natural mechanical ventilation and reinforced windows and doors.

Construct an administrative facility including an entry vestibule, driver reception area, private offices, open office area, break area, storage room, restrooms, telecommunications room, mechanical room and janitor's room.

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.

Built in Equipment includes a compressed air system.

Special costs include post construction contract award services and geospatial survey and mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, excavation, preparation for construction, and demolition of a temporary structure, the water and septic

system at Building #43950, a storage tank and booster pump.

Paving and site improvements include grading, roadway improvements, vehicle movement areas for Segregation Facility, curbs, sidewalks, concrete bollards, landscaping, signs and storm-water drainage. Project includes ramps and loading docks at the Segregation Facility. Project provides chain link fence around water tanks.

Electrical utilities include primary and secondary distribution systems, lighting, transformers and telecommunications infrastructure. Project shall provide Intrusion Detection System for each facility.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, gas lines, fire protection systems and supply lines. Project connects water, gas, and sewer utilities to Building #43950.

Water storage components include a 250,000 gallon water storage tank and two water booster pumps.

Project provides environmental mitigation.

Project includes the demolition of Building #43625 (75m2).

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: 1,984 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Constructs HE magazine (HIMARS, 155mm, 120mm, etc.), a small arms ammunition magazine, administrative facility, and an ammunition segregations facility at the Las Pulgas Ammunition Supply Point (ASP).

(Current Mission)

REQUIREMENT:

Project is required for the ASP to be in compliance with existing Department of the Navy ordnance instructions.

The construction of a small arms magazine is required to allow the ASP to

maintain Hazard Classification/Division 1.4 material of the total munitions requirement (TMR). Construction of HE magazine is required for the removal of assets from exposed hard stands and store them in approved covered facilities. The construction of the issuance and segregations building will allow ASP personnel to properly and securely inspect, classify, and return munitions to a secure storage area from an Explosives Safety Quantity Distance approved area in accordance with existing ordnance instructions.

The improved road network is required to provide the appropriate amount of area in which explosive-laden vehicles can maneuver safely throughout the ammunition and explosives operating area.

A larger water line and storage tank are required to meet existing water requirements for ASP personnel. A sewer line and lift station area needed to service head facilities, replacing the inadequate septic tank and existing unreliable leach field.

CURRENT SITUATION:

HE ammunition is currently stored at the ASP on exposed hardstands due to a lack of storage space. Explosives are exposed to heat and moisture causing deterioration. During the fire season, the exposed munitions pose a significant safety hazard to personnel working at the ASP and surrounding areas.

The ASP is not in compliance with code, orders, and regulations due to the lack of facilities capable of storing the Marine Corps Combat Development and Integration-established TMR and facilities capable of inspecting and reclassifying ammunition and explosive assets.

Prohibited operations at an ASP include issuing unpackaged material from floor level. The Las Pulgas ASP facilities are limited to storage operations only. As such, the ASP is without an approved facility authorizing the opening and closing of ammunition containers for receipt, inspection, and issuance. Event waivers are frequently issued to allow for continued operations at the ASP.

In addition, the Marine Corps is incurring additional costs for the irregular and more frequent ammunition deliveries (Second Destination Transportation (SDT) costs) required to meet operational needs due to a lack of adequate storage. These SDT costs are approximately $1.7 million per year.

There is no dedicated sewer line to serve the 4 heads/urinals and temporary bathroom facilities serving 262 personnel and 80 delivery personnel. Existing facilities are serviced by an inadequate septic tank and leach field resulting in frequent sewage back-up and overflow.

IMPACT IF NOT PROVIDED:

Further event waivers will be required to meet operational commitments. Granting additional event waivers for the same operation violates this practice and does not provide a permanent solution to correcting existing safety deficiencies. The current waiver, awaiting Chief of Naval Operations approval, would allow the ASP to operate for the next 24 months. However, a key provision of the waiver approval process is to identify a remedy that will eliminate the requirement for future waivers.

The primary impact for not correcting these safety deficiencies is the risk of a major mishap resulting in serious injury.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	09/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	FY 02 P886 MCB Camp Lejeune
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$300
(B) All other design costs	$100
(C) Total	$400
(D) Contract	$100
(E) In-house	$300
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	01/2016

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

Equipment	Procuring	FY Approp

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00681(AI)	4. Project Title
MARINE CORPS BASE CAMP PENDLETON (LAS PULGAS AREA (43)) CAMP PENDLETON, CALIFORNIA	Ammunition Supply Point Upgrade

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	42122	P970	13,124

Nomenclature	Approp	or Requested	Cost ($000)
Computers and Telephones	O&MMC	2015	111
Furniture and Equipment	O&MMC	2015	126
IDS	PMC	2015	72

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: 760-763-8151

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N69232	4. Command	5. Area Const Cost Index
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	Commander Navy Installations Command	1.15

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	248	1280	3011	0	0	0	134	89	0	4762
B. End FY 2017	245	1244	0	0	0	0	134	89	0	1712

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(4524 Acres)	
B. INVENTORY AS OF 30 SEP 2012	1,996,959
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	24,667
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	31,517
G. REMAINING DEFICIENCY	49,468
H. GRAND TOTAL	**2,102,611**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21189	Aircraft Engine Test Stand Pads	06/2011	02/2014	3160 m2	7,198
21116	BAMS Consolidated Maintenance Hangar	02/2012	03/2014	7684 m2	17,469
				TOTAL	24,667

9. Future Projects:

A. Included In The Following Program:

B. Major Planned Next Three Years:

17120	BAMS Aircraft and Maintenance Hangar	31,517
	TOTAL	31,517

C. R&M Unfunded Requirement ($000): 1,423,775

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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	Aircraft Engine Test Pads

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21189	P281	7,198

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRCRAFT ENGINE TEST PADS (34,014 SF)	m2	3,160		3,340
TWO POWER CHECK PADS (30,010 SF)	m2	2,788	568	(1,580)
GROUND SUPPORT EQUIPMENT SHOP (4,004 SF)	m2	372	3,249	(1,210)
BUILT-IN EQUIPMENT	LS			(450)
SPECIAL COSTS	LS			(60)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(40)
SUPPORTING FACILITIES				2,920
SPECIAL CONSTRUCTION FEATURES	LS			(210)
SITE PREPARATIONS	LS			(540)
SPECIAL FOUNDATION FEATURES	LS			(100)
PAVING AND SITE IMPROVEMENTS	LS			(360)
ELECTRICAL UTILITIES	LS			(740)
MECHANICAL UTILITIES	LS			(680)
DEMOLITION	LS			(290)
SUBTOTAL				6,260
CONTINGENCY (5%)				310
TOTAL CONTRACT COST				6,570
SIOH (5.7%)				370
SUBTOTAL				6,940
DESIGN/BUILD - DESIGN COST				250
TOTAL REQUEST ROUNDED				7,190
TOTAL REQUEST				7,198
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5)

10. Description of Proposed Construction:

Constructs two reinforced-concrete pads with mooring eyes and blast deflector shields to support the testing of two T-56-A-425/427 turbo-prop engines currently used on E-2C and C-2A aircraft. This project constructs a concrete masonry unit Ground Support Equipment (GSE) shop with standing seam metal roof, roll-up door and pile foundation. The GSE shop will include equipment storage and maintenance areas, air compressor with

storage tank, showers and administrative areas.

Special costs include post construction contract award services.

Demolition includes the existing T-56 engine test pads #762 and #766, jet engine test facilities #PM758 (251 m2) and #PM759 (710 m2) and start-up compressor Building #PM767 (41 m2).

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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: 2,788 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Construct two replacement test pads and a GSE shop allowing Fleet Readiness Center Southwest (FRC-SW) to safely set-up and test two aircraft engines concurrently at a new, inland location.

(Current Mission)

REQUIREMENT:

FRC-SW Point Mugu is the only intermediate-level engine maintenance facility on the west-coast for the T56-A-425/427 engines used on E-2C and C-2A aircraft, and is one of only two capable sites world-wide. The site directly supports fleet requirements for the four E-2C squadrons located at Point Mugu, the C-2A squadron at North Island, five aircraft carriers, Naval Air Facility Atsugi, and Bahrain. Point Mugu contributes 50% of the world-wide pool of spare engines kept aboard Navy carriers and elsewhere.

CURRENT SITUATION:

The two engine test pads and the GSE shop were built in 1959 and are located at Point Mugu's beach. The configuration of the engine test stands, deteriorated conditions of test pads and facilities, and siting on the beach have led to inefficiencies in testing engines, thirty-four safety violations since 2010, health hazards, and land use issues.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	Aircraft Engine Test Pads

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21189	P281	7,198

In March 2005, an engineering inspection discovered that the tie-down pad eyes did not meet the current safety criteria. As a result, one test pad was shutdown. The pads have been inspected every three years since the 2005 failure and the second test pad is judged to be likely to fail in the near future.

The GSE shop that supports engine testing contains asbestos within the walls including the office spaces. The GSE shop is infested with rats and seagulls from the nearby beach, which creates an unsanitary condition for personnel assigned to the test cell. There is no emergency shower located within the building in case of accidental fuel, oil, or hydraulic fluid contamination of a technician. There is only an emergency flush system at the test cell.

The GSE shop doors, which are severely corroded and cracked, have been condemned. The spaces in front of both doors have been marked off due to possible collapse and the area within these spaces cannot be utilized for support equipment storage. Forklift, tow tractor, maintenance stands, and other large equipment must be stored in a separate building about a mile from the testing area. Severely corroded structural items (e.g. ladders and stairs) have lost their integrity, have fallen off buildings and have become a hazard.

IMPACT IF NOT PROVIDED:

The remaining engine test pad will continue to face imminent structural failure. Inability to perform engine testing will cause a significant adverse impact to E-2C & C-2 readiness, and the world-wide pool of spare engines.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	06/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2013
(C) Date design completed	02/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	Yes
(B) Where design was previously used	N/A

3. Total Cost (C) = (A) + (B) = (D) + (E):

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	Aircraft Engine Test Pads

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21189	P281	7,198

(A) Production of plans and specifications	$154
(B) All other design costs	$102
(C) Total	$256
(D) Contract	$231
(E) In-house	$25
4. Contract award:	01/2014
5. Construction start:	03/2014
6. Construction complete:	03/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	OMN	2014	5

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: 805-989-9749

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	BAMS Consolidated Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21116	P593	17,469

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
BAMS CONSOLIDATED MAINTENANCE HANGAR (82,710 SF)	m2	7,684		12,620
A/C MAINT HGR (57,996 SF)(RENOVATE)	m2	5,388	1,040.54	(5,610)
LAUNCH AND RECOVERY FACILITY (1,507 SF)	m2	140	5,233.27	(730)
AVIATION MAINTENANCE SHOP (23,207 SF)	m2	2,156	2,622.26	(5,650)
BUILT-IN EQUIPMENT	LS			(170)
SPECIAL COSTS	LS			(180)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(120)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(160)
SUPPORTING FACILITIES				2,570
SPECIAL CONSTRUCTION FEATURES	LS			(900)
PAVING AND SITE IMPROVEMENTS	LS			(700)
ELECTRICAL UTILITIES	LS			(900)
ENVIRONMENTAL MITIGATION	LS			(70)
SUBTOTAL				15,190
CONTINGENCY (5%)				760
TOTAL CONTRACT COST				15,950
SIOH (5.7%)				910
SUBTOTAL				16,860
DESIGN/BUILD - DESIGN COST				610
TOTAL REQUEST ROUNDED				17,470
TOTAL REQUEST				17,469
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(26,000)

10. Description of Proposed Construction:

Constructs an aviation maintenance shop providing: a battery locker, composite shop, paint booth, warehouse and an operations support area; recapitalizes a portion of Hangar 34; and constructs a launch and recovery facility for the Broad Area Maritime Surveillance (BAMS) system.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	BAMS Consolidated Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21116	P593	17,469

The launch and recovery facility includes primary and backup climate control and power to support UAS communication systems.

Special costs include post construction contract award services and State Historic Preservation Office consultations.

Special construction features include an aqueous film forming foam fire protection system for Hangar 34, radio frequency interference shielding for the launch and recovery facility, and antenna area for the installation of various antennas.

Paving and site improvements include sidewalks, expansion of the power check pad with demolition and reconstruction of the engine air start function, apron patching, and a wash rack. Demolition includes removal of a standing crane assembly inside Hangar 365. Hangar 365 will act as swing space for the BAMS aircraft pending completion of Hangar 34 renovation.

Electrical utilities include electrical power upgrades for the new BAMS airframe by installing two transformers and providing aircraft system support power for Hangar 34 and the launch and recovery facility.

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.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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: 7,684 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	BAMS Consolidated Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21116	P593	17,469

Constructs BAMS maintenance facilities for the unmanned aircraft system (UAS) by providing shop facilities, recapitalizing hangar space and a launch and recovery facility.

(New Mission)

REQUIREMENT:

The BAMS UAS program requires facilities and infrastructure to support the establishment of a BAMS operational basing site for aircraft maintenance of four aircraft. This project supports the introduction of BAMS UAS.

CURRENT SITUATION:

A portion of Hangar 34 is currently occupied by Fleet Logistics Squadron VR-55. The other portion of the hangar is vacant. The hangar is in need of recapitalization to support UAS aircraft. The existing power check pad and washrack are not large enough to accomodate the UAS airframe.

IMPACT IF NOT PROVIDED:

Not meeting the BAMS UAS introduction in 2016 will cause significant impact to Navy and other U.S and Allied forces operations. Missions impacted include, maritime surveillance, collection of enemy order of battle information, battle damage assessment, port surveillance, communication relay, maritime interdiction, surface warfare, battlespace management, and targeting for maritime and littoral strike missions.

Without this project, there will not be facilities to maintain UAS aircraft.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	02/2012
(B) Date 35% Design or Parametric Cost Estimate complete	08/2013
(C) Date design completed	03/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	No
(H) Energy Study/Life Cycle Analysis performed	Yes
2. Basis:	
(A) Standard or Definitive Design	No
(B) Where design was previously used	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$480
(B) All other design costs	$125
(C) Total	$605

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA POINT MUGU, CALIFORNIA	BAMS Consolidated Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21116	P593	17,469

(D) Contract $125
(E) In-house $480
4. Contract award: 01/2014
5. Construction start: 04/2014
6. Construction complete: 11/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furnishings	OMN	2015	500
Maintenance Equipment	OPN	2015	25,500

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	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N69232	4. Command	5. Area Const Cost Index
NAVBASE VENTURA CTY PT MUGU CA PORT HUENEME, CALIFORNIA	Commander Navy Installations Command	1.15

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	241	3129	3147	0	226	0	90	60	0	6893
B. End FY 2017	216	2475	0	0	266	0	90	60	0	3107

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(1764 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	2,219,559
C.	AUTHORIZATION NOT YET IN INVENTORY	0
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	33,600
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	24,270
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	156,304
H.	**GRAND TOTAL .....**	**2,433,733**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
72151	Unaccompanied Housing Conversion	02/2012	04/2014	604 EA	33,600
				TOTAL	33,600

9. Future Projects:

A. Included In The Following Program:

21820	Construction/Weight Handling Equipment Shop	24,270
	TOTAL	24,270

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 1,423,775

10. Mission or Major Functions:

Port Hueneme is the west coast homeport of the Navy's mobile construction force. Their mission is to support the naval construction force, fleet units assigned, organizational units deployed from or homeported at the Construction Battalion Center; to support mobilization requirements of the naval construction force; to store, preserve and ship advanced base mobilization stocks; to perform engineering and technical services and such other tasks as may be assigned by higher authority.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*): 0

B. Occupational Safety and Health(OSH)(#): 0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232(PH)	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA (PORT HUENEME) PORT HUENEME, CALIFORNIA	Unaccompanied Housing Conversion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212276N	72151	P599	33,600

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
UNACCOMPANIED HOUSING CONVERSION	EA	604		29,200
SECTION 801 LEASE BUY OUT	EA	302	84,780.23	(25,600)
FACILITY CONVERSION - PEARL COURT	EA	92	12,481.96	(1,150)
FACILITY CONVERSION - MIDWAY ESTATES	EA	208	11,518.94	(2,400)
FACILITY CONVERSION - COMMUNITY CENTERS	EA	2	26,763.73	(50)
SUPPORTING FACILITIES				20
PAVING AND SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				29,220
CONTINGENCY (5%)				1,460
TOTAL CONTRACT COST				30,680
SIOH (5.7%)				1,750
SUBTOTAL				32,430
DESIGN/BUILD - DESIGN COST				1,170
TOTAL REQUEST ROUNDED				33,600
TOTAL REQUEST				33,600

10. Description of Proposed Construction:

Project acquires three-hundred Section 801 housing units and two community centers. The facilities are located at two separate non-contiguous development areas, identified as Pearl Court and Midway Estates. The Pearl Court acquisition consists of 92 housing units and a single community recreation building. The Midway acquisition consists of 208 housing units and a single community recreation building.

Conversion of these facilities from family housing to unaccompanied housing and transient quarters will include installation of hard wired fire alarm system with battery backup, a key card door system and ceiling fans. The project includes demolition to allow for the installation of hard wired alarm systems, removal of existing door locksets, and removal of playground equipment at both sites.

Facilities will be upgraded 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: 302 EA **Adequate:** **Substandard:**

PROJECT:

This project acquires 300 Section 801 family housing units and two community recreation buildings currently located on 17.73 acres of Navy property. The family housing units will be converted to provide permanent party unaccompanied and transient unaccompanied housing.

(Current Mission)

REQUIREMENT:

Naval Base Ventura County (NBVC) currently has an unaccompanied housing (UH) inventory in need of repair and modernization, some of the facilities are more than 30 years old and are deteriorated; therefore, the 801 housing units present an opportunity for the Navy to provide better facilities for their sailors.

Port Hueneme (PH) is currently deficient in transient quarters. The computerized Check-In system, which tracks the annual Certificate of Non-Availability (CNA), reported CNA's at NBVC-PH amounting to $4.5 million. The 801 acquisition at NBVC-PH will decrease CNA's by approximately 40% based on current demand.

NBVC Port Hueneme is the homeport of three Naval Mobile Construction Battalions (NMCB) and experience large mobilization events whereby all personnel require temporary housing, creating a large demand for transient quarters.

CURRENT SITUATION:

In September 1991, the Navy entered into a Section 801 housing development contract with a real estate developer. This contract facilitated construction of 300 units in two non-contiguous housing complexes named Pearl Court and Midway Estates, at Port Hueneme. The contract was separated into two lease agreements with the Navy.

Under a Navy Out-Lease (the Ground Lease), the developer leases 17.73 acres (5.48 acres at Pearl Court and 12.25 acres at Midway Estates) of unimproved land at Port Hueneme for the construction, operation and management of a 300-unit housing project for occupancy by DOD personnel. The Ground Lease is for 42 years, beginning September 1991 and ending September 2033. During the term of the Ground Lease, title to the 300 units and related improvements remains with the developer.

Currently, the 801 Housing units are located within the perimeter fence of NBVC; as such the units are in compliance with Antiterrorism Force Protection (ATFP) standards. However, commencing March 1, 2014, the developer will have the right to lease the units to the general public. NBVC would need to move the perimeter fence-line to provide public access. However, some of the family housing units are within the set back requirements for other mission critical facilities including a data center and high occupancy facilities. The cost of moving these facilities is cost prohibitive.

NMCB mobilization events are currently being satisfied through utilizing a warehouse with gang-head style berthing. The Section 801 units will be used to alleviate the gang head style berthing during mobilization events allowing the warehouse to return to its designated functional purpose.

IMPACT IF NOT PROVIDED:

If the Navy does not acquire the Section 801 housing units, the lease will be executed as written. As a result, the transfer of jurisdictional status of the land would be required and unimpeded access to the 801 housing would be granted to the developer. This action would cause security and jurisdiction issues, ultimately causing NBVC PH to change the fence-line boundaries for compliance with AT/FP. Changing the fence-line and meeting AT/FP requirements will be very costly. Furthermore, to comply with AT/FP standards triggered by the new fence-line, NBVC would either have to abandon or demolish some existing facilities, as well as provide space for the existing tenants. Given the built-out nature of Port Hueneme, providing space for the existing tenants would most likely be met by means of new construction.

Additionally, the mobilization personnel will continue to be housed in non-standard, open bay, gang-head style berthing. NBVC will continue to issue a significant number of CNA's to their transient population, which is significantly more expensive than providing a room on base.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	02/2012
(B) Date 35% Design or Parametric Cost Estimate complete	08/2012
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	Yes

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69232(PH)	4. Project Title
NAVBASE VENTURA CTY PT MUGU CA (PORT HUENEME) PORT HUENEME, CALIFORNIA	Unaccompanied Housing Conversion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212276N	72151	P599	33,600

(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: $400

(B) All other design costs: $200

(C) Total: $600

(D) Contract: $300

(E) In-house: $300

4. Contract award: 01/2014

5. Construction start: 04/2014

6. Construction complete: 06/2016

B. Equipment associated with this project which will be provided from other appropriations: NONE

C. FY 2012 R&M Conducted ($000):

D. FY 2013 R&M Conducted ($000):

E. Future R&M Requirements ($000):

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis, however, the scope of the project is based on Department of the Navy requirements.

Activity POC: Project Development Lead Phone No: 805-989-9005

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M00243	4. Command	5. Area Const Cost Index
MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	Commandant of the Marine Corps	1.17

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	185	1051	395	139	18993	0	0	0	38289	59052
B. End FY 2017	175	998	395	26	18166	0	0	0	38289	58049

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(505 Acres)	
B. INVENTORY AS OF 30 SEP 2012	901,738
C. AUTHORIZATION NOT YET IN INVENTORY	9,950
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	34,331
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	48,041
H. GRAND TOTAL	**994,060**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
82222	Steam Plant Decentralization	06/2012	06/2014	147310 MB	34,331
				TOTAL	34,331

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
C. R&M Unfunded Requirement ($000):	95,234

10. Mission or Major Functions:

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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00243	4. Project Title
MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	Steam Plant Decentralization

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P520	34,331

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
STEAM PLANT DECENTRALIZATION	MB	147,310		19,330
BUILDING DECENTRALIZED WATER BOILERS (MBH)	MB	50,081	64.81	(3,250)
BUILDING DECENTRALIZED HEAT BOILERS (MBH)	MB	97,229	117.43	(11,420)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(20)
SPECIAL COSTS	LS			(4,620)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
SUPPORTING FACILITIES				10,530
SITE PREPARATIONS	LS			(60)
ELECTRICAL UTILITIES	LS			(1,110)
MECHANICAL UTILITIES	LS			(6,430)
ENVIRONMENTAL MITIGATION	LS			(20)
DEMOLITION	LS			(2,910)
SUBTOTAL				29,860
CONTINGENCY (5%)				1,490
TOTAL CONTRACT COST				31,350
SIOH (5.7%)				1,790
SUBTOTAL				33,140
DESIGN/BUILD - DESIGN COST				1,190
TOTAL REQUEST ROUNDED				34,330
TOTAL REQUEST				34,331

10. Description of Proposed Construction:

Removes approximately 40 Marine Corps Recruit Depot (MCRD) Buildings from the steam distribution network through the installation of new energy efficient space and domestic water-heating systems and infrastructure. Removes existing steam equipment and distribution infrastructure.

The project replaces the building steam-powered heating systems with gas-fired heating systems, which include boilers, piping, valves, regulators, electrical components, space heating equipment, meters, related support hardware, interconnection of system controls, and utility connections in the selected buildings. The project includes domestic water heating equipment, hot water boilers, hot water heater units, instantaneous water

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00243 MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	4. Project Title Steam Plant Decentralization

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P520	34,331

heaters, piping and interconnection of system controls.

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.

Special costs include post construction contract award services and geospatial survey and mapping. Controls which also include testing, balancing, and the system commissioning for integration of building controls, interconnection of systems, and preparation for server room data and processing in Building 224.

Operations and maintenance support information and training are included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes the removal and replacement of appropriate earthwork, asphalt paving, sidewalks, landscaping, curbs, and gutters.

Electrical utilities include primary and secondary distribution systems or infrastructure upgrades to support the individual facility system requirements.

Mechanical utilities include hot water tanks, culverts, gas distribution supply lines, and connections.

Environmental mitigation will include lead and asbestos abatement.

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:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00243	4. Project Title
MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	Steam Plant Decentralization

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P520	34,331

PROJECT:

The project replaces the heating systems in buildings aboard MCRD San Diego and demolishes the steam distribution system.

(Current Mission)

REQUIREMENT:

The buildings aboard MCRD San Diego require adequate heating and hot water systems to support military personnel. Change in energy source needed in order to have a more efficient, less costly, and better method of utility transfer.

CURRENT SITUATION:

Based on a Steam Utility System Master Plan Study, only 40% of the steam energy for heating, cooling, and domestic hot water (DHW) reaches the approximately 40 buildings serviced on MCRD San Diego. The remainder of the steam energy is lost from the distribution piping as steam leakage, thermal transfer to the environment, and unreturned condensate.

The steam lines coming from the cogeneration plant, as well as the mechanical rooms in the buildings, require continuous repair and maintenance. The pipes are exposed in some areas and require replacement or patching due to leaks. Repair project costs have exceeded $5M in FY10/11.

IMPACT IF NOT PROVIDED:

MCRD San Diego will continue to pay escalating operational and utility costs. The hearing system will continue to degrade and require costly repairs. Additionally, 60% of the steam's energy is not delivered to the base's buildings due to steam leakage, thermal transfer to the environment, and unreturned condensate resulting in approximately $1.4M in lost and wasted utility.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	06/2012
(B) Date 35% Design or Parametric Cost Estimate complete	08/2012
(C) Date design completed	06/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00243	4. Project Title
MARINE CORPS RECRUIT DEPOT SAN DIEGO, CALIFORNIA	Steam Plant Decentralization

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P520	34,331

(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	$150
(B) All other design costs	$150
(C) Total	$300
(D) Contract	$100
(E) In-house	$200
4. Contract award:	02/2014
5. Construction start:	06/2014
6. Construction complete:	06/2016

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.

Activity POC: Project Development Lead Phone No: 619-524-0687

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N00246	4. Command	5. Area Const Cost Index
NAVBASE CORONADO SAN DIEGO, CALIFORNIA	Commander Navy Installations Command	1.17

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1875	13579	3372	0	0	0	300	985	0	20111
B. End FY 2017	1916	13653	7	0	0	0	300	985	0	16861

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(2804 Acres)	
B. INVENTORY AS OF 30 SEP 2012	4,495,428
C. AUTHORIZATION NOT YET IN INVENTORY	129,748
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,910
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	114,809
G. REMAINING DEFICIENCY	654,576
H. GRAND TOTAL	**5,403,471**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
17135	H-60 Trainer Facility	06/2011	03/2014	1858 m2	8,910
				TOTAL	8,910

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
82212 Steam Distribution System Decentralization	114,809
TOTAL	114,809
C. R&M Unfunded Requirement ($000):	1,821,743

10. Mission or Major Functions:

Maintain and operate facilities and provide services and material to support operations of aviation activities and units of the Pacific Fleet. Supports Helicopter Airlift Squadrons, Reserve Squadrons, and anti-submarine warfare Helicopter Squadrons. Homeport for three aircraft carriers.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00246	4. Project Title
NAVBASE CORONADO SAN DIEGO, CALIFORNIA	H-60 Trainer Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P957	8,910

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
H-60 TRAINER FACILITY (19,999 SF)	m2	1,858		4,650
TRAINER FACILITY (19,999 SF)	m2	1,858	2,071.46	(3,850)
INFORMATION SYSTEMS	LS			(400)
BUILT-IN EQUIPMENT	LS			(60)
SPECIAL COSTS	LS			(80)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(210)
SUPPORTING FACILITIES				3,100
SITE PREPARATIONS	LS			(60)
SPECIAL FOUNDATION FEATURES	LS			(610)
PAVING AND SITE IMPROVEMENTS	LS			(890)
ELECTRICAL UTILITIES	LS			(1,300)
MECHANICAL UTILITIES	LS			(160)
ENVIRONMENTAL MITIGATION	LS			(20)
DEMOLITION	LS			(60)
SUBTOTAL				7,750
CONTINGENCY (5%)				390
TOTAL CONTRACT COST				8,140
SIOH (5.7%)				460
SUBTOTAL				8,600
DESIGN/BUILD - DESIGN COST				310
TOTAL REQUEST ROUNDED				8,910
TOTAL REQUEST				8,910
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(25,500)

10. Description of Proposed Construction:

Constructs an H-60R helicopter training building at North Island to house two Tactical Operational Flight Trainers (TOFTs) and two Naval Aircrew Training Systems (NATS). The building will include high bay space for the TOFTs and NATS, a classified vault, instructor workstations, a student library, student break room, restricted access, Non-Secure Internet Protocol Router Network (NIPRNET), SECRET Internet Protocol Router Network (SIPRNET), mechanical systems and hydraulic pump room.

Special costs include post construction contract award services.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Electrical utilities include 15 KV transformer, 400 Hz power, high voltage switchgear and cable, electrical duct bank, emergency generator, communications cable, duct banks and manholes.

This project will provide Anti-Terrorism/Force Protection features and comply with ATFP regulations and physical security in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.

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: 1,858 m2 **Adequate:** **Substandard:**

PROJECT:

Constructs a facility for MH-60R trainers and briefing rooms.

(Current Mission)

REQUIREMENT:

This project will construct space for two full-motion TOFT and two NATS. The simulators provide training in helicopter operations which cannot be safely accomplished while flying the aircraft. For those operations that could be accomplished in the aircraft, the simulators will allow pilots and crew to spend more time in trainers and less time flying. This training method will use less fuel, reduce wear and tear on the aircraft, reduce maintenance costs as well as maintenance hours and create less noise for nearby residents.

Each TOFT is comprised of an Operational Flight Trainer (OFT) and a Weapons Tactical Trainer (WTT). The OFT is a mockup of the aircraft cockpit, with an instructor's station and associated computers to operate the device. The WTT is a mockup of the cabin section, including the sensor operator's

console and the airborne low frequency sonar system. The TOFT provides the aircrew with aircraft familiarization, instrument flight rules navigation and emergency procedures training. The TOFT additionally provides the aircrew with visual flight rules navigation, flight procedure familiarization, night vision goggle training, anti-surface warfare training and anti-submarine warfare training.

The WTT provides the aircrew the ability to train in radar, electronic support measures, acoustics and communications. The NATS provides aircrewman the ability to train in search and rescue, vertical replenishment and helicopter in-flight refueling.

CURRENT SITUATION:

No facilities currently exist to house the additional tactical simulators and classrooms required for this new training mission.

IMPACT IF NOT PROVIDED:

The Fleet Replacement Squadron in San Diego reached its capacity to train students in 2005. If these simulators are not made available, most of the syllabus events will continue to be accomplished in the aircraft. However, some of these events cannot be accomplished in the aircraft, and are 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 much less expensive and safer than flying the helicopter.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	06/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	03/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy Study/Life Cycle Analysis performed	Yes
2. Basis:	
(A) Standard or Definitive Design	No
(B) Where design was previously used	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$350,000
(B) All other design costs	$400,000
(C) Total	$750,000

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00246 NAVBASE CORONADO SAN DIEGO, CALIFORNIA	4. Project Title H-60 Trainer Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P957	8,910

(D) Contract $400,000
(E) In-house $350,000
4. Contract award: 01/2014
5. Construction start: 03/2014
6. Construction complete: 06/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
2 x NATS trainers	OPN	2014	10,000
2 x TOFT Trainers	OPN	2015	15,000
Physical Security Equipment	OPN	2014	500

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: 619 767 7260

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M67399	4. Command	5. Area Const
MARINE CORPS BASE TWENTYNINE PALMS TWENTYNINE PALMS, CALIFORNIA	Commandant of the Marine Corps	Cost Index 1.27

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	938	10701	1792	755	10302	8	0	0	18375	42871
B. End FY 2017	816	8443	1815	364	9128	0	0	0	18375	38941

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(605997 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	7,853,673
C.	AUTHORIZATION NOT YET IN INVENTORY	573,908
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	33,437
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	49,484
F.	PLANNED IN NEXT THREE PROGRAM YEARS	32,209
G.	REMAINING DEFICIENCY	654,779
H.	**GRAND TOTAL .....**	**9,197,490**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
17311	Camp Wilson Infrastructure Upgrades	08/2010	06/2014	0 LS	33,437
				TOTAL	33,437

9. Future Projects:

A. Included In The Following Program:

17120	MCTOG/MCLOG/Intelligence Complex	49,484
	TOTAL	49,484

B. Major Planned Next Three Years:

61010	Consolidated Community Support Facility	32,209
	TOTAL	32,209

C. R&M Unfunded Requirement ($000): 99,017

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):

1. Component NAVY	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date 31 MAR 2013
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 1.27

A. Pollution Abatement(*): 0

B. Occupational Safety and Health(OSH)(#): 0

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67399(CW)	4. Project Title
MARINE CORPS BASE TWENTYNINE PALMS (CAMP WILSON) TWENTYNINE PALMS, CALIFORNIA	Camp Wilson Infrastructure Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	81231	P159	33,437

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
CAMP WILSON INFRASTRUCTURE UPGRADES	LS			17,120
COMMUNICATIONS DIST O/H AND U/G (21,703 LF)	m	6,615	766.44	(5,070)
ELECTRICAL DISTRO-OVERHEAD AND U/G (59,616 LF)	m	18,171	382.76	(6,960)
ELECTRICAL SUBSTATIONS (1,422 TR)	kw	5,000	467.67	(2,340)
BASIC HYGIENE FACILITIES (6,631 SF)	m2	616	2,094.02	(1,290)
OPEN SECURE STORAGE (50,020 SF)	m2	4,647	159.89	(740)
INFORMATION SYSTEMS	LS			(210)
SPECIAL COSTS	LS			(290)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(220)
SUPPORTING FACILITIES				11,960
SITE PREPARATIONS	LS			(400)
SPECIAL FOUNDATION FEATURES	LS			(120)
PAVING AND SITE IMPROVEMENTS	LS			(110)
ANTI-TERRORISM/FORCE PROTECTION	LS			(260)
ELECTRICAL UTILITIES	LS			(1,670)
MECHANICAL UTILITIES	LS			(3,170)
ENVIRONMENTAL MITIGATION	LS			(340)
DEMOLITION	LS			(50)
WATER TANK 1M GALLON	LS			(5,840)
SUBTOTAL				29,080
CONTINGENCY (5%)				1,450
TOTAL CONTRACT COST				30,530
SIOH (5.7%)				1,740
SUBTOTAL				32,270
DESIGN/BUILD - DESIGN COST				1,160
TOTAL REQUEST ROUNDED				33,430
TOTAL REQUEST				33,437

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67399(CW)	4. Project Title
MARINE CORPS BASE TWENTYNINE PALMS (CAMP WILSON) TWENTYNINE PALMS, CALIFORNIA	Camp Wilson Infrastructure Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	81231	P159	33,437

EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,410)

10. Description of Proposed Construction:

Upgrades Camp Wilson Expeditionary Training area and Strategic Expeditionary Landing Field infrastructure systems to include: electrical, water, sewer, natural gas, telecommunications and data distribution lines, and provides a water storage tank. Electrical service will be extended from Camp Wilson to the Forward Ammunition Supply Point (FASP), and on to the equalization tanks at the groundwater well field several miles from Camp Wilson. Electric system will include: new substations to feed Camp Wilson, a substation at the groundwater wells, a transformer for FASP and an emergency generator for the pump house. Approximately six latrine/wash facilities and an open secure storage area for portable armories will be provided.

Information systems include basic telephone, computer network, fiber optic, cable television, security, and fire alarm systems and infrastructure.

Special costs include post construction contract award services.

Operations and maintenance support information is included in this project.

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.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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.

Special foundation features include structural fill.

Paving and site improvements include grading, signs and storm-water drainage.

Electrical utilities include primary and secondary distribution systems, lighting, transformers, telecommunications infrastructure and an emergency generator.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing, pumps, and plumbing fixtures, sanitary sewer lines, and fire protection systems.

Project includes the construction of a new water tank with pump house and the refurbishment of an existing water tank and pump house.

Environmental mitigation includes biological monitoring, tortoise fencing, and non-potable ground water for dust control for construction activities.

The project will demolish Building #5001 generator shed (15.6 m2).

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:

Upgrades the existing infrastructure in the Camp Wilson Expeditionary Training Area and constructs facilities to support throughput requirements for Marine Corps training at Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms.

(Current Mission)

REQUIREMENT:

This project is required to provide adequate utilities infrastructure to support throughput for Marine Corps training requirements. Changes to the training program for Marine Corps units will require larger and more frequent training exercises to be conducted at MCAGCC Twentynine Palms. This increase in training throughput (from 4,800 to as much as 10,000) will require an increase in the number of facilities at Camp Wilson and will result in an increase in the supporting infrastructure.

CURRENT SITUATION:

The primary mission of Camp Wilson is to provide the Marine Air Ground Task Force (MAGTF) Commander with an expeditionary airfield and support facilities, where all elements of the MAGTF can conduct air-ground-logistics maneuver and sustainment operations in support of various training exercises. From Camp Wilson, MAGTF units engage in training

exercises on the various ranges at MCAGCC. Currently, the utility capacity at Camp Wilson is inadequate to support training operations as they exist today. Water pressure does not support firefighting and basic hygiene requirements. Tactical generators are currently utilized due to lack of sufficient electrical capacity.

IMPACT IF NOT PROVIDED:

Failure to provide these infrastructure upgrades will result in an inability for MACAGCC to provide power to the current facility and lack of water pressure and water for firefighting and basic hygiene facilities. It will also result in the inability to construct new facilities at Camp Wilson to support training throughput requirements.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	08/2010
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	06/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$450
(B) All other design costs	$100
(C) Total	$550
(D) Contract	$130
(E) In-house	$420
4. Contract award:	02/2014
5. Construction start:	06/2014
6. Construction complete:	02/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furniture and Equipment	O&MMC	2015	585
IRF Removal	PMC	2015	575
Intrusion Detection System (SPAWAR)	PMC	2015	250

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67399(CW)	4. Project Title
MARINE CORPS BASE TWENTYNINE PALMS (CAMP WILSON) TWENTYNINE PALMS, CALIFORNIA	Camp Wilson Infrastructure Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	81231	P159	33,437

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: 760.830.7030

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67399(CW)	4. Project Title
MARINE CORPS BASE TWENTYNINE PALMS (CAMP WILSON) TWENTYNINE PALMS, CALIFORNIA	Camp Wilson Infrastructure Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	81231	P159	33,437

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N00207	4. Command	5. Area Const Cost Index
NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA	Commander Navy Installations Command	.86

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1633	7029	6814	0	0	0	166	521	0	16163
B. End FY 2017	1654	5614	0	0	0	0	166	521	0	7955

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(3881 Acres)	
B. INVENTORY AS OF 30 SEP 2012	2,774,852
C. AUTHORIZATION NOT YET IN INVENTORY	18,807
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,752
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	46,474
F. PLANNED IN NEXT THREE PROGRAM YEARS	107,260
G. REMAINING DEFICIENCY	212,139
H. GRAND TOTAL	**3,180,284**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
11110	P-8A Training and Parking Apron Expansion	11/2011	10/2013	87822 m2	20,752
				TOTAL	20,752

9. Future Projects:

A. Included In The Following Program:		
14142	BAMS Mission Control System	37,674
11320	MH60 Apron and Repair	8,800
	TOTAL	46,474
B. Major Planned Next Three Years:		
14170	Air Traffic Control Tower	74,070
14125	Crash, Rescue & Fire Station	33,190
	TOTAL	107,260
C. R&M Unfunded Requirement ($000):		858,445

10. Mission or Major Functions:

This activity is homeport for land-based, anti-submarine warfare (ASW) squadrons (P-3) and all east coast carrier-based ASW helicopter squadrons (SH-S/SH-60F). 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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00207	4. Project Title
NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA	P-8A Training & Parking Apron Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	11110	P659	20,752

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
P-8A TRAINING & PARKING APRON EXPANSION (945,308 SF)	m2	87,822		7,860
MODIFY BLDG 511 (2,723 SF)	m2	253	1,058.7	(270)
RUNWAY EXTENSION (350,968 SF)	m2	32,606	108.8	(3,550)
TAXIWAYS (251,639 SF)	m2	23,378	127.28	(2,980)
BLAST PAD (89,986 SF)	m2	8,360	40.3	(340)
COMBAT AIRCRAFT LOADING AREA (CALA)	m2	23,225	14.13	(330)
SPECIAL COSTS	LS			(310)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(80)
SUPPORTING FACILITIES				10,840
SITE PREPARATIONS	LS			(4,030)
PAVING AND SITE IMPROVEMENTS	LS			(2,150)
ELECTRICAL UTILITIES	LS			(3,420)
MECHANICAL UTILITIES	LS			(10)
DEMOLITION	LS			(1,230)
SUBTOTAL				18,700
CONTINGENCY (5%)				940
TOTAL CONTRACT COST				19,640
SIOH (5.7%)				1,120
SUBTOTAL				20,760
TOTAL REQUEST ROUNDED				20,760
TOTAL REQUEST				20,752
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,500)

10. Description of Proposed Construction:

Renovate the existing VPU-1 area of Hangar 511 including removal of wall between existing VPU-1 hangar and adjacent hangar; removal of pre-manufactured building housing VPU-1 shop space and other add-ons inside the hangar; reconfiguration of door controls; construction of tug drive-through lane and reconfiguration of office and shop spaces.

Constructs a 1,000 foot extension of Runway 10. All runway pavement will be designed for a P-8A aircraft with maximum takeoff weight of 189,700 lb and

dual tricycle (dual wheel) landing configuration.

Construct associated parallel taxiway and taxiway connectors. All taxiway pavement will be designed for a P-8A aircraft with maximum takeoff weight of 189,700 lb and dual tricycle (dual wheel) landing configuration.

Constructs a new 400 foot asphalt blast pad at the west end of the displaced runway extension.

The existing Combat Aircraft Loading Area (CALA) will be reconfigured to accommodate two P-8A aircraft and to meet the blast arc requirements for the existing Air Traffic Control Tower (ATCT) location. CALA modifications include remarking and installing tie-downs and grounding points.

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.

Special costs include post construction contract award services and cost for recordation of historical facilities.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, site demolition, excavation and preparation for construction.

Paving and site improvements include grading, roadways, landscaping, signs and expansion of the storm water pond.

Electrical utilities include ductbank, manholes, conductors and fixtures for runway edge lights, runway threshold lights, runway guard lights, runway centerline lights, taxiway edge lights and infrastructure for an Instrument Landing System.

Building #113 (6,078 m2), Building #114 (6,073 m2) and Building #115 (6,073 m2) will be demolished.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00207	4. Project Title
NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA	P-8A Training & Parking Apron Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	11110	P659	20,752

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: 87,569 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Provides additional mission critical aircraft and crew support for the next generation maritime surveillance Poseidon P-8A mission aircraft.

(New Mission)

REQUIREMENT:

NAS Jacksonville is currently transitioning from the P-3 Orion training and operations program to the new training and operations mission that includes the P-8A platform. Airfield pavements, including extension of the runway, are needed to support the longer landing run. Modifications to Hangar 115 are required for maintenance and new support functions. Demolition is required to provide for the required site lines from the existing ATCT to the parking apron and taxiway at the west end of the airfield. The hangars to be demolished were constructed in the 1940's and are not in current use.

CURRENT SITUATION:

Current hangar space and airfield runway, taxiways and CALA do not comply with the new P-8A aircraft specifications. The existing east-west runway is not long enough for takeoff requirements of a fully loaded P-8A aircraft. This requirement will be met by adding a 1,000 foot displaced threshold extension to the west end with an associated parallel taxiway and connecting taxiway to the parking apron adjacent to Hangar 511. The existing taxiway connecting the current west end of the runway with the apron adjacent to Hangar 30 will be realigned to accommodate the airfield operations of the P-8 aircraft.

IMPACT IF NOT PROVIDED:

Without the modification to the hangar space, vital P-8A aircraft maintenance will be adversely impacted. Without the demolition safety will be compromised for aircraft, aircrew and maintenance support staff. Additionally, necessary inclement weather protection is not available to protect the new P-8A during required maintenance. Current runways, taxiways and CALA pavements will not support the new aircraft and have the potential to fail thereby damaging the mission aircraft.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00207	4. Project Title
NAS JACKSONVILLE FL JACKSONVILLE, FLORIDA	P-8A Training & Parking Apron Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	11110	P659	20,752

(A) Date design or Parametric Cost Estimate started	11/2011
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	10/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$720
(B) All other design costs	$240
(C) Total	$960
(D) Contract	$880
(E) In-house	$80
4. Contract award:	11/2013
5. Construction start:	01/2014
6. Construction complete:	01/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
ILS / ALSF-2 Systems	OPN	2014	2,500

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: Douglas T. Thompson Phone No: (904) 542-2437

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N60201	4. Command	5. Area Const Cost Index
NAVSTA MAYPORT FL JACKSONVILLE, FLORIDA	Commander Navy Installations Command	.86

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1116	6691	479	0	0	0	120	168	0	8574
B. End FY 2017	756	4277	0	0	0	0	130	180	0	5343

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(3569 Acres)	
B. INVENTORY AS OF 30 SEP 2012	1,568,473
C. AUTHORIZATION NOT YET IN INVENTORY	105,245
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,093
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	39,960
F. PLANNED IN NEXT THREE PROGRAM YEARS	50,770
G. REMAINING DEFICIENCY	997,672
H. GRAND TOTAL	**2,778,213**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
61010	LCS Logistics Support Facility	09/2011	07/2013	5523 m2	16,093
				TOTAL	16,093

9. Future Projects:

A. Included In The Following Program:

17120 LCS Operational Trainer Facility	39,960
TOTAL	39,960

B. Major Planned Next Three Years:

15220 Bravo Wharf Recapitalization	30,770
15220 Wharf C-2 Recapitalization	11,700
17150 Indoor Small Arms Range	8,300
TOTAL	50,770

C. R&M Unfunded Requirement ($000): 245,674

10. Mission or Major Functions:

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 including 20 naval ships, and six helicopter squadrons.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60201	4. Project Title
NAVSTA MAYPORT FL JACKSONVILLE, FLORIDA	LCS Logistics Support Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0911376N	61010	P425	16,093

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
LCS LOGISTICS SUPPORT FACILITY (59,444 SF)	m2	5,522.55		11,840
LITTORAL COMBAT SHIP LSF (59,444 SF)	m2	5,522.55	1,581.44	(8,730)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(170)
BUILT-IN EQUIPMENT	LS			(2,580)
SPECIAL COSTS	LS			(140)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(120)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(100)
SUPPORTING FACILITIES				2,660
SITE PREPARATIONS	LS			(170)
SPECIAL FOUNDATION FEATURES	LS			(340)
PAVING AND SITE IMPROVEMENTS	LS			(680)
ELECTRICAL UTILITIES	LS			(150)
MECHANICAL UTILITIES	LS			(230)
DEMOLITION	LS			(1,090)
SUBTOTAL				14,500
CONTINGENCY (5%)				730
TOTAL CONTRACT COST				15,230
SIOH (5.7%)				870
SUBTOTAL				16,100
TOTAL REQUEST ROUNDED				16,100
TOTAL REQUEST				16,093
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(400)

10. Description of Proposed Construction:

Constructs a multi-story logistics support facility with reinforced concrete foundation, masonry walls and pitched standing seam metal roof. Facility will include classrooms, operations watch floor, reference library, storage, administrative office space, video-teleconference (VTC) conference rooms and a crew lounge to support the Littoral Combat Ship (LCS) mission at Naval Station Mayport.

Built-in equipment will include elevators, raised access flooring, and VTC equipment.

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.

Special costs include post construction contract award services.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Demolition includes Building #1393 (2551m2), Building #1394 (2551m2), Building #261 (408m2), and Building #1263(339m2), all of which are vacant.

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: 5,522 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Constructs a training, administrative and mission support building.

(New Mission)

REQUIREMENT:

The LCS method of minimal manning and crewing requires that the majority of administrative and training activities are accomplished ashore. Distance Support (DS)is critical to the success of the LCS manning concepts. The LCS Squadron (LCSRON) and other organizations serve as extensions of the crew for routine administrative functions, operational support, scheduling, logistics, maintenance management and anti-terrorism protection support. Adequately sized and properly configured facilities are required to support off-hull core and mission module crews, and the LCSRON staff.

CURRENT SITUATION:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60201	4. Project Title
NAVSTA MAYPORT FL JACKSONVILLE, FLORIDA	LCS Logistics Support Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0911376N	61010	P425	16,093

LCS ships are scheduled to arrive at NS Mayport in 2016. The LCSRON and all DS must be in place to provide support to these ships. No excess facilities exist at Mayport that can be converted for use as the Logistics Support Facility (LSF).

IMPACT IF NOT PROVIDED:

The LCSRON provides a shore administrative and personnel support at levels far beyond other surface ship commands. Without the LSF, there will be no facilities to support the off-hull core, mission module crews and no available space for the LCSRON to provide support to the homeported LCS.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	09/2011
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	07/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	30%
(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	$1,040
(B) All other design costs	$350
(C) Total	$1,390
(D) Contract	$350
(E) In-house	$1,040
4. Contract award:	12/2013
5. Construction start:	02/2014
6. Construction complete:	03/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	OPN	2016	400

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however,

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60201	4. Project Title
NAVSTA MAYPORT FL JACKSONVILLE, FLORIDA	LCS Logistics Support Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0911376N	61010	P425	16,093

the scope of the project is based on Department of the Navy requirements.

Activity POC: Project Development Lead Phone No: 904-270-5207

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N00213	4. Command	5. Area Const Cost Index
NAS KEY WEST FL KEY WEST, FLORIDA	Commander Navy Installations Command	1.07

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	226	1215	554	0	0	0	80	371	0	2446
B. End FY 2017	223	1190	0	0	0	0	80	371	0	1864

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(5925 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	1,348,806
C.	AUTHORIZATION NOT YET IN INVENTORY	0
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	14,001
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	122,890
H.	**GRAND TOTAL .....**	**1,485,697**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
14125	Aircraft Crash/Rescue & Fire Headquarters	08/2012	10/2013	2003 m2	14,001
				TOTAL	14,001

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
C. R&M Unfunded Requirement ($000):	306,249

10. Mission or Major Functions:

Maintains and operates an air station to support training of flight crews using tactical aircraft and conducting training exercises in the Caribbean Sea and in the Gulf of Mexico. Major units supported include: Two aircraft squadrons (30 aircraft), Coast Guard Units, Naval Intelligence and Air Force Security Detachments, Air Defense Units U. S. Forces Caribbean, Medical Clinic, and Joint Task Force 4.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00213	4. Project Title
NAS KEY WEST FL KEY WEST, FLORIDA	Aircraft Crash/Rescue & Fire Headquarters

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	14125	P678	14,001

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRCRAFT CRASH/RESCUE & FIRE HEADQUARTERS (21,557 SF)	m2	2,002.7		9,150
AIRCRAFT CRASH/RESCUE AND FIRE STATION (21,557 SF)	m2	2,002.7	4,192.07	(8,400)
BUILT-IN EQUIPMENT	LS			(420)
SPECIAL COSTS	LS			(120)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(90)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(120)
SUPPORTING FACILITIES				3,470
SITE PREPARATIONS	LS			(60)
SPECIAL FOUNDATION FEATURES	LS			(700)
PAVING AND SITE IMPROVEMENTS	LS			(430)
ANTI-TERRORISM/FORCE PROTECTION	LS			(270)
ELECTRICAL UTILITIES	LS			(690)
MECHANICAL UTILITIES	LS			(310)
LEED AND EPACT 2005 COMPLIANCE	LS			(160)
DEMOLITION	LS			(850)
SUBTOTAL				12,620
CONTINGENCY (5%)				630
TOTAL CONTRACT COST				13,250
SIOH (5.7%)				760
SUBTOTAL				14,010
TOTAL REQUEST ROUNDED				14,010
TOTAL REQUEST				14,001
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(338)

10. Description of Proposed Construction:

Construct a two-story combined aircraft crash/rescue station (ARFF) and fire headquarters with a pile foundation, reinforced concrete floor and concrete panel/block walls. The facility will include administrative areas, single-occupancy rooms for firefighters, male/female restrooms and showers, kitchen/break room, apparatus storage areas, including hazardous

material (HAZMAT)/chemical, biological nuclear, radiolocical and/or explosve (CBRNE) handling equipment.

Information systems include basic telephone, computer network, fiber optic, cable television, security,intrusion detection system (IDS), CCTV cameras and fire alarm systems infrastructure.

This project will provide Anti-Terrorism/Force Protection (ATFP) features and will comply with ATFP regulations, physical security, in accordance with DOD Minimum Anti-Terrorism/Force Protection Standards for Buildings.

Built-in equipment includes a passenger elevator, emergency generator, kitchenette equipment, vehicle exhaust gas ventilation and compressed air systems.

Special costs include post construction contract award services.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005. This project will also apply enhanced commissioning.

Site preparation includes site clearing, excavation, and preparation for construction.

Site improvements include paved driveways, concrete sidewalks, roadways, approximately 15 parking spaces, concrete paving for aircraft parking, slab upgrades for aircraft parking and landscaping.

ATFP outside includes both active and passive barriers.

Electrical utilities include primary (overhead and underground) and secondary distribution systems, lighting, transformers, and communications (copper and fiber optic) and IDS infrastructure.

Mechanical utilities include stormwater, water distribution and sanitary sewers.

The project will demolish Building #A-132 (2,070 M2).

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00213	4. Project Title
NAS KEY WEST FL KEY WEST, FLORIDA	Aircraft Crash/Rescue & Fire Headquarters

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	14125	P678	14,001

11. Requirement: 2,434 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Constructs a combined aircraft crash/rescue station and structural fire headquarters facility, demolishes Building #A-132 (2,070 M2) to the slab and upgrades the slab for aircraft parking.

(Current Mission)

REQUIREMENT:

An aircraft crash/rescue station is an airfield safety feature required to support the mission of the Naval Air Station (NAS) Key West. This project is ranked as the number one priority in the NAS Key West current Regional Shore Infrastructure Plan (RSIP). The Air Station supports training aviators from tactical aviation squadrons throughout the Navy. Key West as a location for training is vital due to quick access to unrestricted air space. No other naval station offers the unique training conditions that are located at NAS Key West. During a typical year, there are over 35,000 air operation training missions.

CURRENT SITUATION:

Building #A-132 houses Boca Chica Field's only emergency ARFF and structural firefighting companies. The fire station is located within the primary surface of the runway. The primary surface is defined as having no obstructions located within 229 meters of the runway centerline. A waiver of the airfield safety criteria is in effect.

Building #A-132 is a wood structure originally constructed in 1944 as an aircraft hangar. The current condition of the building is very poor. Several areas of the structure are damaged to the point of being unusable and uninhabitable its current condition significantly restricts the use of the facility for its designated function as an aircraft crash/rescue fire station. The structure has severe mold and termite damage requiring the use of trailers for personnel berthing. Additionally, the structure does not meet the minimum building code requirements for environmental issues such as flooding, wind, hurricanes and excessive noise. Other issues include inadequate ventilation of fumes from jet exhaust and vehicles parked in the hangar bay. This structure has numerous deficiencies.

Exposure to fumes and excessive noise has created health issues for the firefighters assigned to Building #A-132. The garage area does not have a vehicle exhaust removal system.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00213	4. Project Title
NAS KEY WEST FL KEY WEST, FLORIDA	Aircraft Crash/Rescue & Fire Headquarters

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	14125	P678	14,001

IMPACT IF NOT PROVIDED:

Five impacts will continue: (1) NASKW will continue to have temporary trailers for berthing, (2) the working spaces will remain within the primary surface of the runway, (3) berthing and working spaces will continue to have excessive aircraft noise, (4) the working spaces will continue to have jet/aircraft and vehicle exhaust gas exposure and (5) the potential loss due to structural failure or hurricane damage would leave NAS Key West without its primary emergency response equipment for aircraft and structural fires.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	08/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	10/2013
(D) Percent completed as of September 2012	2%
(E) Percent completed as of January 2013	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	$690
(B) All other design costs	$230
(C) Total	$920
(D) Contract	$860
(E) In-house	$60
4. Contract award:	03/2014
5. Construction start:	04/2014
6. Construction complete:	10/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
FF&E	OMN	2015	283
Security System CCTV	OPN	2015	55

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00213	4. Project Title
NAS KEY WEST FL KEY WEST, FLORIDA	Aircraft Crash/Rescue & Fire Headquarters

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	14125	P678	14,001

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: (305)-293-2304

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00213	4. Project Title
NAS KEY WEST FL KEY WEST, FLORIDA	Aircraft Crash/Rescue & Fire Headquarters

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	14125	P678	14,001

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M67004	4. Command	5. Area Const Cost Index
MCLB ALBANY GA ALBANY, GEORGIA	Commandant of the Marine Corps	.81

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	123	488	2081	0	0	0	0	0	1515	4207
B. End FY 2017	123	488	2081	0	0	0	0	0	1515	4207

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(3691 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	1,241,891
C.	AUTHORIZATION NOT YET IN INVENTORY	20,190
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	16,610
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	45,055
H.	**GRAND TOTAL .....**	**1,323,746**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
22410	Weapons Storage And Inspection Facility	05/2009	04/2014	5471 m2	15,600
21410	CERS Dispatch Facility	08/2012	09/2013	130 m2	1,010
				TOTAL	16,610

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
C. R&M Unfunded Requirement ($000):	19,495

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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67004	4. Project Title
MCLB ALBANY GA ALBANY, GEORGIA	Weapons Storage and Inspection Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21510	P934	15,600

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WEAPONS STORAGE AND INSPECTION FACILITY (58,889 SF)	m2	5,471		11,210
WEAPONS STORAGE AND REPAIR (58,889 SF)	m2	5,471	1,774.79	(9,710)
INFORMATION SYSTEMS	LS			(180)
BUILT-IN EQUIPMENT	LS			(890)
SPECIAL COSTS	LS			(150)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(170)
SUPPORTING FACILITIES				2,370
SITE PREPARATIONS	LS			(150)
PAVING AND SITE IMPROVEMENTS	LS			(330)
ELECTRICAL UTILITIES	LS			(1,260)
MECHANICAL UTILITIES	LS			(260)
DEMOLITION	LS			(370)
SUBTOTAL				13,580
CONTINGENCY (5%)				680
TOTAL CONTRACT COST				14,260
SIOH (5.7%)				810
SUBTOTAL				15,070
DESIGN/BUILD - DESIGN COST				540
TOTAL REQUEST ROUNDED				15,610
TOTAL REQUEST				15,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,819)

10. Description of Proposed Construction:

Constructs a low rise weapons storage and inspection facility. Construction will include a steel frame building with standing seam metal roof on a reinforced concrete slab. The building exterior will be red brick to match existing brick masonry on site and include bronze-colored trim. Exterior doors and windows will be security rated. The building interior will be painted concrete masonry units with hollow metal, insulated and glazed doors, hollow metal framed windows, vinyl composition

tile floors in the administrative spaces and sealed concrete floors throughout the remainder of the facility. This facility will include industrial finishes in the shop and high bay areas with security rated insulated metal roll-up doors and frames.

Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm and mass notification 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 a pallet racking / selective rack system, humidity control system, small munitions safe, infrastructure for an intrusion detection system and closed circuit television security system.

Special costs include post construction contract award services and geospatial survey and mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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 and demolition of existing concrete foundation slabs and footings, three bay concrete bin structures, existing asphalt and gravel paving.

Paving and site improvements include grading, parking facilities for approximately 40 vehicles, loading dock apron, roadways, curbs, sidewalks, landscaping, security fencing, signs and storm-water drainage.

Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67004	4. Project Title
MCLB ALBANY GA ALBANY, GEORGIA	Weapons Storage and Inspection Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21510	P934	15,600

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, 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: 5,471 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Provide a secure weapons quality control inspection and storage facility for the receipt/issuance, storage, inspection, care-in-stores, security and distribution of weapons.

(Current Mission)

REQUIREMENT:

An adequately and efficiently configured facility is required to receive, inspect, store and process all small arms maintained at or processed through Marine Corps Logistics Base Albany.

CURRENT SITUATION:

The existing Fleet Support Division weapons storage facility is located in three bays of a general purpose warehouse. This facility lacks security measures appropriate for a facility that contains weapons such as fencing, site lighting and stand-off distances. Proper humidity/climate control systems do not exist leading to degradation issues. During the summer months, temperatures induce unacceptable levels of heat resulting in reduced worker productivity.

IMPACT IF NOT PROVIDED:

Small arms will continue to be stored in a general purpose warehouse that lacks adequate security measures and environmental controls. Weapons inspectors and warehouse personnel will continue to be required to perform their logistics and maintenance duties in a facility that lacks proper ventilation and air conditioning.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	05/2009
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67004	4. Project Title
MCLB ALBANY GA ALBANY, GEORGIA	Weapons Storage and Inspection Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21510	P934	15,600

(E) Percent completed as of January 2013	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	$240
(B) All other design costs	$160
(C) Total	$400
(D) Contract	$160
(E) In-house	$240
4. Contract award:	02/2014
5. Construction start:	05/2014
6. Construction complete:	02/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furniture and Equipment	O&MMC	2015	1,286
IDS	PMC	2015	200
Intergrated Swing-Reach Turret Trucks	PMC	2015	333

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: (229) 639-7336

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67004	4. Project Title
MCLB ALBANY GA ALBANY, GEORGIA	CERS Dispatch Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	14365	P954	1,010

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
CERS DISPATCH FACILITY (1,399 SF)	m2	130		360
BUILDING 7251 RENOVATION (1,001 SF)	m2	93	1,156.51	(110)
BUILDING 7251 ADDITION (398 SF)	m2	37	3,206.5	(120)
BUILT-IN EQUIPMENT	LS			(70)
SPECIAL COSTS	LS			(20)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(10)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(30)
SUPPORTING FACILITIES				550
SITE PREPARATIONS	LS			(70)
PAVING AND SITE IMPROVEMENTS	LS			(70)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
ELECTRICAL UTILITIES	LS			(180)
MECHANICAL UTILITIES	LS			(180)
SUBTOTAL				910
CONTINGENCY (5%)				50
TOTAL CONTRACT COST				960
SIOH (5.7%)				50
SUBTOTAL				1,010
TOTAL REQUEST ROUNDED				1,010
TOTAL REQUEST				1,010
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(962)

10. Description of Proposed Construction:

Construct a Consolidated Emergency Response System (CERS) Dispatch Facility. As part of this project, Building #7251 will be renovated and an addition will be added to satisfy the space requirements. The renovation of Building #7251 will include removing all interior finishes, interior concrete masonry unit block walls and the existing restroom. The single story addition will be constructed on a concrete floor and foundation with concrete masonry walls, brick veneer and standing seam metal roof.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67004	4. Project Title
MCLB ALBANY GA ALBANY, GEORGIA	CERS Dispatch Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	14365	P954	1,010

Interior work includes a new Americans with Disabilities Act (ADA) compliant bathroom and new interior finishes including, but not limited to new flooring, ceiling and partition walls. Functional areas will be ADA accessible and consist of a dispatch area for four dispatchers, manager's office, server equipment area and mess/break area. Project includes an Intrusion Detection System and connection to the energy monitoring and control system.

Built-in equipment includes a backup generator, an automatic transfer switch with 72 hours of standby time, and an uninterrupted power supply.

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.

Special costs include post construction contract award services and geospatial survey and mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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.

Paving and site improvements include grading, approximately 10 parking spaces, road improvements, curbs, sidewalks, landscaping, fencing, signs and storm-water drainage.

Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems, and supply lines.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67004	4. Project Title
MCLB ALBANY GA ALBANY, GEORGIA	CERS Dispatch Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	14365	P954	1,010

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: 130 m2 **Adequate:** **Substandard:**

PROJECT:

Renovates and expands the existing CERS dispatch facility.

(Current Mission)

REQUIREMENT:

The Marine Corps has an urgent need for a properly sized dispatch facility that house functions (personnel and equipment) that effectively and efficiently receive, process, and manage emergency requests for assistance. The CERS facility will be staffed 24 hours per day, seven days a week for the receipt and processing of calls for service.

CURRENT SITUATION:

Adequate facilities do not exist on base to support installation-level emergency communication capabilities. Existing emergency command and coordination systems do not provide adequate communication capability for emergency services.

IMPACT IF NOT PROVIDED:

Continued use of this undersized facility will adversely impact the Marine Corps' ability to effectively and efficiently respond to emergency calls for service via radio, telephone or other means within identified response times.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	08/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	09/2013
(D) Percent completed as of September 2012	2%
(E) Percent completed as of January 2013	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):

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67004	4. Project Title
MCLB ALBANY GA ALBANY, GEORGIA	CERS Dispatch Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	14365	P954	1,010

(A) Production of plans and specifications $80
(B) All other design costs $50
(C) Total $130
(D) Contract $110
(E) In-house $20
4. Contract award: 03/2014
5. Construction start: 04/2014
6. Construction complete: 03/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Computers/Switches/UPS/Telephone	PMC	2015	492
Furniture and Equipment	O&MMC	2015	45
IDS/CCTV/Access Control	PMC	2015	350
Monaco Fire Reporting System	O&MMC	2015	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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Project Development Lead Phone No: (229) 639-7336

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M60169	4. Command	5. Area Const Cost Index
MARINE CORPS AIR STATION BEAUFORT TOWNSEND, GEORGIA	Commandant of the Marine Corps	.97

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	338	3394	898	0	0	0	0	0	4219	8849
B. End FY 2017	282	2941	896	0	0	0	0	0	4219	8338

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(16872 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	6,726
C.	AUTHORIZATION NOT YET IN INVENTORY	129,316
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	61,717
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	52,172
G.	REMAINING DEFICIENCY	9,850
H.	**GRAND TOTAL .....**	**259,781**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
91110	Townsend Bombing Range Land Acquisition, Phase 1	06/2011	09/2013	0 LS	61,717
				TOTAL	61,717

9. Future Projects:

A. Included In The Following Program:

B. Major Planned Next Three Years:

91110	Townsend Bombing Range Land Acquisition, Phase 2	52,172
	TOTAL	52,172

C. R&M Unfunded Requirement ($000): 24,483

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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M60169(GA)	4. Project Title
MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA	Townsend Bombing Range Land Acq - Phase 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	91110	P473	61,717

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
TOWNSEND BOMBING RANGE LAND ACQ - PHASE 1	LS			50,610
SAFETY LAND ACQUISITION (19,825 AC)	ha	8,023	6,142.93	(49,280)
RANGE CONTROL TOWER (431 SF)	m2	40	4,467.77	(180)
BUILT-IN EQUIPMENT	LS			(440)
SPECIAL COSTS	LS			(660)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
SUPPORTING FACILITIES				4,990
SITE PREPARATIONS	LS			(1,520)
SPECIAL FOUNDATION FEATURES	LS			(80)
PAVING AND SITE IMPROVEMENTS	LS			(2,980)
ELECTRICAL UTILITIES	LS			(220)
MECHANICAL UTILITIES	LS			(190)
SUBTOTAL				55,600
CONTINGENCY (5%)				2,780
TOTAL CONTRACT COST				58,380
SIOH (5.7%)				3,330
SUBTOTAL				61,710
TOTAL REQUEST ROUNDED				61,710
TOTAL REQUEST				61,717
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(50)

10. Description of Proposed Construction:

This project acquires real estate interests of privately owned vacant timber lands located adjacent to existing lands of Townsend Bombing Range (TBR), Georgia. This project also constructs a steel framed free-standing range control tower with a fully-enclosed observation platform on a pile foundation. The tower requires utility services, water, sewer, electricity, and communications. Information systems include basic telephone, computer network, fiber optic, 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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M60169(GA)	4. Project Title
MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA	Townsend Bombing Range Land Acq - Phase 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	91110	P473	61,717

DOD Minimum Anti-Terrorism Standards for Buildings.

Built-in Equipment includes a diesel generator for the range control tower, Target Complex Support Infrastructure and a fire pump system for the range control tower.

Operations and maintenance support information, post construction contract award services and Geospatial Survey and Mapping are included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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.

Paving and site improvements include extensive fencing, fill and grading for target ares, parking facilities for approximately 20 vehicles, roadway improvements at control tower, curbs, sidewalks, landscaping, signs, rain harvesting system for the non-potable water tank and storm-water drainage.

Electrical utilities include primary and secondary distribution systems, lighting, transformers, telecommunications infrastructure, and renewable energy systems.

Mechanical utilities include heating, ventilation and air conditioning the control tower, a non-potable water tank, water lines, plumbing and plumbing fixtures, sanitary sewer lines and a septic system, and fire protection systems.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities 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:		

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M60169(GA)	4. Project Title
MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA	Townsend Bombing Range Land Acq - Phase 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	91110	P473	61,717

Acquire interest in approximately 19,625 acres of primarily undeveloped, minimally improved lands surrounding the existing TBR for the purpose of accommodating required missions including the use of precision guided munitions (PGMs).

(Current 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 accomplished at TBR. Proposed expansion of the range will increase the number of training objectives possible to 45 (85%). The only air-to-ground training objectives that will not be possible are those requiring control indirect fires or use of illumination flares.

This land acquisition is planned in phases. Phase I will provide the capability to conduct 45 of 53 air-to-ground training objectives for the F/A-18. PGM delivery will be limited to one Joint Direct Attack Munition (JDAM) profile and one Laser Guided Bomb (LGB) profile. The subsequent phases of land acquisition are needed to provide realistic training with variable deliveries to best simulate tactical scenarios. Phase 1 will give the operating forces better training opportunities (one JDAM and one LGB) while awaiting subsequent land acquisition phases.

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 if operations in order to limit collateral damage, injuries and provide better kill ratio. However, 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. Marine Air Group-31 must have ready access to a local range that enables the command to adequately, realistically, and safely train aviators.

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.

This project is part of a multi-year effort to acquire land to increase the number of training syllabus objectives possible at TBR.

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 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 strikers 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 precision. Consequently, there is a growing need to train with PGMs and to provide ranges capable of accommodating PGM training which requires larger weapon danger zones (safety footprints).

Currently, TBR is not capable of accommodating a PGM release profile. Inability to employ PGMs in a tactically realistic profile causes a deficiency in aircrew training. Aircrews do not have the opportunity to acquire time/space and cockpit task loading management experience in combat scenarios which lead to insufficient training in time and task management. In its current configuration, only 25 of 53 training objectives (47%) of the F/A-18 air-to-ground training syllabus can be accomplished at TBR.

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 TBR is authorized for inert guided precision bomb delivery, attack headings and release altitudes are 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.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M60169(GA)	4. Project Title
MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA	Townsend Bombing Range Land Acq - Phase 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	91110	P473	61,717

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 need 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 insufficient training.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	06/2011
(B) Date 35% Design or Parametric Cost Estimate complete	06/2013
(C) Date design completed	09/2013
(D) Percent completed as of September 2012	2%
(E) Percent completed as of January 2013	10%
(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	$800
(B) All other design costs	$2,000
(C) Total	$2,800
(D) Contract	$2,100
(E) In-house	$700
4. Contract award:	04/2014
5. Construction start:	05/2014
6. Construction complete:	11/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furniture and Equipment	O&MMC	2015	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.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M60169(GA)	4. Project Title
MARINE CORPS AIR STATION BEAUFORT (TOWNSEND TARGET) TOWNSEND, GEORGIA	Townsend Bombing Range Land Acq - Phase 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	91110	P473	61,717

Activity POC: Project Development Lead Phone No: 843-228-6704

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M00318	4. Command	5. Area Const Cost Index
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Commandant of the Marine Corps	2.22

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	760	5820	1227	21	713	0	0	0	7165	15706
B. End FY 2017	746	5678	1241	11	631	0	0	0	7165	15472

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(3145 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	4,846,479
C.	AUTHORIZATION NOT YET IN INVENTORY	244,884
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	236,982
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	95,558
F.	PLANNED IN NEXT THREE PROGRAM YEARS	34,860
G.	REMAINING DEFICIENCY	1,410,766
H.	**GRAND TOTAL .....**	**6,869,529**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
14345	Armory Addition and Renovation	07/2012	05/2014	3023 m2	12,952
21710	3rd Radio Battalion Maintenance/Operations Complex	07/2008	05/2014	1532 m2	25,336
21105	Aircraft Maintenance Hangar Upgrades	01/2012	08/2013	11010 m2	31,820
21108	Aircraft Maintenance Expansion	01/2012	06/2014	2360 m2	16,968
17135	Aviation Simulator Modernization/Addition	01/2012	05/2014	1791 m2	17,724
11320	MV-22 Parking Apron and Infrastructure	05/2012	06/2013	55670 m2	74,665
21105	MV-22 Hangar	05/2012	06/2013	6603 m2	57,517
				TOTAL	236,982

9. Future Projects:

A. Included In The Following Program:

61071	MAG-24 Ops and Flightline Aid Statiaon	19,360
83110	Wastewater Treatment Plant Upgrades	7,348
11120	MV-22 Landing Zone Improvements	5,368
72124	Bachelor Enlisted Quarters, Aviation Support	52,800
14345	MAG-24 Armory Expansion	8,922
85110	Road and Infrastructure Improvements	1,760
	TOTAL	95,558

B. Major Planned Next Three Years:

21105	CH53K Infrastructure Upgrades	34,860
	TOTAL	34,860

C. R&M Unfunded Requirement ($000): 291,693

10. Mission or Major Functions:

MCB Hawaii supports the combat readiness of 3rd Marine Expeditionary Force

units by providing training, logistic, garrison, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation. Additionally, the installation supports and enhances the combat readiness of 1st Marine Aircraft Wing units and other Department of Defense units. MCB Hawaii supports Marine Forces Pacific Headquarters personnel.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Armory Addition and Renovation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	14345	P778	12,952

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ARMORY ADDITION AND RENOVATION (32,539 SF)	m2	3,023		8,180
ADDITION BUILDING 4053 (17,039 SF)	m2	1,583	3,006.66	(4,760)
COVERED WEAPONS CLEANING AREA (2,282 SF)	m2	212	1,122.93	(240)
ARMORY (RENOVATE)		805	2,779.92	(2,240)
RELOCATE MODULAR ARMORIES (4,553 SF)	m2	423	539.01	(230)
INFORMATION SYSTEMS	LS			(140)
BUILT-IN EQUIPMENT	LS			(210)
SPECIAL COSTS	LS			(180)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(130)
SUPPORTING FACILITIES				3,030
SITE PREPARATIONS	LS			(590)
PAVING AND SITE IMPROVEMENTS	LS			(570)
ELECTRICAL UTILITIES	LS			(1,510)
MECHANICAL UTILITIES	LS			(350)
DEMOLITION	LS			(10)
SUBTOTAL				11,210
CONTINGENCY (5%)				560
TOTAL CONTRACT COST				11,770
SIOH (6.2%)				730
SUBTOTAL				12,500
DESIGN/BUILD - DESIGN COST				450
TOTAL REQUEST ROUNDED				12,950
TOTAL REQUEST				12,952
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,530)

10. Description of Proposed Construction:

Renovate the existing Armory to provide permanent arms storage space that will replace the temporary, prefabricated modular arms storage units

located within the Building #4053 compound.

Construct new stand-alone open-sided steel structures for weapons cleaning on the existing concrete pads that are currently used for the portable modular arms vaults. Built-in weapons cleaning tables will be provided.

Construct a new low rise addition to the existing Armory with arms storage and maintenance areas, offices, classrooms, and weapons cleaning areas. Utility rooms, restrooms with showers, and circulation space will also be provided.

Relocate the existing temporary modular armories.

Information systems include basic telephone, classified and unclassified local area network (LAN), fiber optic, cable television, mass notification, security and fire alarm systems and infrastructure. Premium information systems for Intrusion Detection Systems (IDS) and Secure Internet Protocol Router network (SIPRNET) connections are included.

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. The project will also provide for temporary facilities for the unit to work out of as necessary during construction to include: additional modular armories, trailers and other temporary workspaces.

Built-in equipment includes emergency generators with accessories and a radon mitigation system.

Special costs include post construction contract award services, geospatial survey and mapping and archeological monitoring.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparations includes earthwork and contaminated soil mitigation.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Armory Addition and Renovation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	14345	P778	12,952

Paving and site improvements include parking for approximately 30 vehicles, generator access roadway, generator enclosure, site demolition, sidewalks, landscaping, fencing, and a storm water detention basin.

Electrical utilities include primary and secondary electrical distribution, photovoltaics, communications distribution including telephone, LAN and IDS, substation/transformer and area lighting.

Mechanical utilities include water and fire protection distribution, sanitary sewers and storm drainage system.

Demolish the existing gear wash facility Building #7060 (117.99 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: 3,023 m2 **Adequate:** 1,040 m2 **Substandard:**

PROJECT:

The project renovates the existing building and the existing covered, unenclosed weapons cleaning area in Building #4053. The project constructs two additions at each end of the existing building and new covered, unenclosed weapons cleaning areas. The project will demolish the existing gear wash facility Building #7060.

(Current Mission)

REQUIREMENT:

Ground forces are required to have adequate, efficient and contiguous space for storage and maintenance of armaments and related equipment. The 3rd Marine Division is a Marine infantry division headquartered in Okinawa, Japan. It is one of three active Marine Corps Divisions. Major elements of the 3rd Marine Division are stationed at Marine Corps Base Hawaii and have a total of roughly 4,000 Marines and sailors in these units. The armory addition and renovation is required to provide additional armory space to store and maintain arms used by these Marine units.

CURRENT SITUATION:

The existing Armory, Building #4053, was constructed in 1988. This armory was sized to support units with far less equipment than they have today. This existing armory and the temporary, prefabricated modular arms storage units no longer fully support the arms storage and weapons maintenance and

cleaning area requirements due to insufficient size, inefficient configuration and energy inefficient temporary facilities.

The existing facility does not meet current armory design criteria for anti-terrorism/force protection and physical security as required by Marine Corps Orde. For example, the modular storage units create multiple areas requiring protection and surveillance.

IMPACT IF NOT PROVIDED:

Mission readiness will continue to be negatively impacted by over-crowded storage and maintenance conditions and inadequate, energy inefficient modular storage units. Overcrowded conditions will continue to create maintenance backlogs and impede the issuance of weapons, affecting the combat readiness of several units operating out of this compound.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	07/2012
(B) Date 35% Design or Parametric Cost Estimate complete	02/2013
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$240
(B) All other design costs	$360
(C) Total	$600
(D) Contract	$500
(E) In-house	$100
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	08/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furnishings	PMC	2015	1,330

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Armory Addition and Renovation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	14345	P778	12,952

Information Technology Equipment	PMC	2016	2,200

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: (808) 257-9935

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Armory Addition and Renovation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	14345	P778	12,952

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	3rd Radio Bn Maintenance/Operations Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	61073	P852	25,336

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
3RD RADIO BN MAINTENANCE/OPERATIONS COMPLEX (16,490 SF)	m2	1,532		11,810
3RD RADIO BATTALION COMPLEX HQ (9,515 SF)	m2	884	6,687.67	(5,910)
3RD RADIO BATTALION COMPLEX OP STORAGE (6,975 SF)	m2	648	6,687.67	(4,330)
INFORMATION SYSTEMS	LS			(250)
BUILT-IN EQUIPMENT	LS			(670)
SPECIAL COSTS	LS			(310)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(110)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(230)
SUPPORTING FACILITIES				10,110
SITE PREPARATIONS	LS			(270)
SPECIAL FOUNDATION FEATURES	LS			(1,510)
PAVING AND SITE IMPROVEMENTS	LS			(1,920)
ELECTRICAL UTILITIES	LS			(5,220)
MECHANICAL UTILITIES	LS			(1,190)
SUBTOTAL				21,920
CONTINGENCY (5%)				1,100
TOTAL CONTRACT COST				23,020
SIOH (6.2%)				1,430
SUBTOTAL				24,450
DESIGN/BUILD - DESIGN COST				880
TOTAL REQUEST ROUNDED				25,330
TOTAL REQUEST				25,336
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,001)

10. Description of Proposed Construction:

The project constructs a low-rise building for the 3rd Radio Battalion Complex that includes offices for Battalion Headquarters, Headquarters and Service (H&S) Company, Company A, and Company B. The project also provides for classroom and other training spaces and offices, platoon command

offices and workspaces, mail room, family readiness and career planning offices and other workspaces needed to support 3D Radio. Also included in the facility are male and female showers and restrooms.

Premium Information Systems will include raceways and cabling for National Security Agency Intranet Network (NSAnet), Secret Internet Protocol Router Network (SIPRnet), Non-Classified Internet Protocol Router Network (NIPRnet), Joint Worldwide Intelligence Communications System (JWICS), and National Secure Telephone System (NSTS). Additionally, Electronic Security Systems will include access control systems (ACS), intrusion detection systems (IDS), and closed circuit television (CCTV) system.

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 Emergency Generator and Radon Mitigation.

Special costs include post construction contract award services (PCAS), geospatial survey and mapping, and archeological monitoring.

Operations and maintenance support information (OMSI) is included in the project.

Sustainable design principles will be included in the design and construction of this project in accordance with Executive Order 13423 (2007) and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of the project as appropriate.

Site Preparation includes clearing and grubbing and grading to provide positive drainage.

Paving and site improvements include parking for approximately 80 vehicles, driveways and concrete pads for material handling and loading operations, sidewalks, and a trash enclosure. Security fencing including vehicle access gates, turnstiles, and a guard house will be provided. An existing gravel road for Amphibious Assault Vehicles (AAV) that is currently traversing the site will be re-rerouted around the 3rd Radio Battalion Complex.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	3rd Radio Bn Maintenance/Operations Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	61073	P852	25,336

Electrical Utilities include underground electrical distribution with pad mounted transformers, exterior lighting and communications. Existing overhead telecommunications lines currently routed through the site (commercial services and government) will be relocated underground around the complex. A separate exterior protected distribution system (PDS) to Building 6003 will be provided to support classified information systems including NSAnet, NSTS, and JWICS. Exterior Lighting Systems include perimeter security lighting and parking lot and walkway lighting.

Mechanical Utilities include a new ductile iron pipe to be installed to replace an existing pipe traversing the site. Also included are water distribution and sanitary sewer systems, including a new wastewater pump station.

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: 1,422 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

This project constructs new company offices and operations storage for 3rd Radio Battalion.

(Current Mission)

REQUIREMENT:

Adequate and properly configured operational and maintenance facilities are required at Marine Corps Base (MCB) Hawaii to accomplish its mission of providing support for the current mission of 3rd Radio Battalion.

CURRENT SITUATION:

3rd Radio Battalion has had a significant increase in personnel and equipment. MCB Hawaii does not have adequate facilities to support the mission for 3rd Radio Battalion and the unit now occupies interim facilities. Existing facilities are too small to accommodate the additional requirements. 3rd Radio Battalion utilizes existing Secure Compartmented Information Facility and electronics maintenance shop spaces in order to support storage and headquarters functions.

3rd Radio Battalion is currently operating out of facilities that are undersized, functionally inadequate and inefficiently configured to support mission requirements.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	3rd Radio Bn Maintenance/Operations Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	61073	P852	25,336

IMPACT IF NOT PROVIDED:

The 3rd Radio Battalion will be forced to operate in facilities that are undersized and do not meet their basic facility requirements. Inefficient and inadequately configured temporary facilities will continue to be utilized which will have a negative impact on operations and readiness. Temporary facilities are not as efficient to operate from a utilities standpoint and continued use of these types of structures will result in increased base operations costs.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	07/2008
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$422
(B) All other design costs	$633
(C) Total	$1,055
(D) Contract	$879
(E) In-house	$176
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	05/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furniture and Equipment	O&MMC	2015	613
LAN/Computers/IT	PMC	2015	2,200
Physical Security Equipment	PMC	2015	188

JOINT USE CERTIFICATION:

The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	3rd Radio Bn Maintenance/Operations Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	61073	P852	25,336

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: 808-257-9935

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	3rd Radio Bn Maintenance/Operations Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	61073	P852	25,336

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aircraft Maintenance Hangar Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P863	31,820

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRCRAFT MAINTENANCE HANGAR UPGRADES (118,507 SF)	m2	11,009.68		24,440
MAINTENANCE HANGAR (115,559 SF)(RENOVATE)	m2	10,735.8	1,589	(17,060)
STRG AIR/GD ORG UNITS (675 SF)(RENOVATE)	m2	62.71	841.9	(50)
STRG AIR/GD OR UNITS (270 SF)(RENOVATE)	m2	25.08	984.24	(20)
STRG AIR/GD ORG UNITS (190 SF)(RENOVATE)	m2	17.65	1,084.09	(20)
HAZ MAT STRG (675 SF)(RENOVATE)	m2	62.71	841.9	(50)
HAZ MAT STRG (190 SF)(RENOVATE)	m2	17.65	787.89	(10)
AIRCRAFT SPARES STORAGE (270 SF)(RENOVATE)	m2	25.08	984.24	(20)
HISTORIC INTERIOR WINDOW REFURBISHMENT	m2	63	3,758.25	(240)
INFORMATION SYSTEMS	LS			(20)
BUILT-IN EQUIPMENT	LS			(5,880)
SPECIAL COSTS	LS			(490)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(280)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(300)
SUPPORTING FACILITIES				4,090
SITE PREPARATIONS	LS			(1,180)
PAVING AND SITE IMPROVEMENTS	LS			(60)
ELECTRICAL UTILITIES	LS			(1,660)
MECHANICAL UTILITIES	LS			(1,190)
SUBTOTAL				28,530
CONTINGENCY (5%)				1,430
TOTAL CONTRACT COST				29,960
SIOH (6.2%)				1,860
SUBTOTAL				31,820

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aircraft Maintenance Hangar Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P863	31,820

TOTAL REQUEST ROUNDED	31,820
TOTAL REQUEST	31,820
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)	(3,351)

10. Description of Proposed Construction:

Renovates existing low-rise aircraft Hangar 101 to provide: hangar bay, administrative and shop spaces for the Marine Light Attack Helicopter (HMLA) squadron. Interior renovations will demolish and retrofit existing spaces to meet mission requirements for the HMLA squadron and use as the H-1 Integrated Maintenance Program (IMP) work spaces. The balance of existing interior spaces not required for HMLA squadron operations will receive minimum renovations to modernize electrical, mechanical and plumbing systems as necessary. Hangar 101 is a National Historic Landmark and renovations will include the entire interior space. Windows in interior spaces will be refurbished to historic standards.

Exterior renovations will also include six small storage facilities: Buildings #167, #168, #170, #194, #195 and #196 that are adjacent to Hangar 101. To comply with standards and requirements, the six facilities will receive minor renovations to include a sprinklered fire protection system installation in each.

Renovation of Hangar 101 hangar bay area will paint the underside of the hangar roof, treat rust and recoat and restripe hangar bay floors. Hangar bay area will include space to house the HMLA support equipment. Hoisting, jacking, towing, tie-down, grounding support equipment and associated storage are provided.

Renovation of existing crew and equipment space will create mail sorting/storage room, janitorial space, tool rooms, avionics shops, crew area, ground support equipment, ordnance and hazardous material storage, quality assurance area, avionics shop, airframes/hydraulics/machine shops, flight equipment rooms, maintenance control/administrative rooms, new locker rooms and shower facilities.

Renovation of existing squadron administrative space will create squadron command offices, conference and meeting rooms, ready room/duty desk, operations/tactical room, telecommunication rooms, unit services and vault spaces.

Renovation required for the IMP portion of the hangar will include

installation of a 400 amp panel to supply power to support a machine shop and power outlets in the maintenance spaces, and installation of a compressed air system to support a machine shop.

Additional renovations will install sound attenuation in administrative spaces and restore historical components.

Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems, mass notification system and supporting infrastructure. Premium information systems will include intrusion detection systems and Secure Internet Protocol Router Network connections.

Built-in equipment will include a bridge crane with hoist in each hangar bay, three passenger/freight elevators, generators with accessories, hangar workstation upgrades and an Aqueous Film Forming Foam (AFFF) system to include the storage facilities on the exterior of the hangar and trenching of the hangar floor.

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.

Special costs include post construction contract award services, geospatial survey and mapping, and archeological monitoring. The project will also provide for temporary facilities to house the squadron during construction.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, excavation, preparation for construction, contaminated soil handling and slab demolition.

Paving and site improvements include grading, parking for approximately 200 vehicles, roadway improvements, curbs, sidewalks, landscaping, fencing,

signs and storm-water drainage.

Electrical utilities include substation electrical upgrades with new pad-mounted transformer, primary and secondary distribution systems, lighting, transformers and telecommunications infrastructure.

Mechanical utilities include water distribution systems, fire protection water distribution, sanitary sewer systems and AFFF industrial waste 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: 27,036 m2 **Adequate:** 212 m2 **Substandard:** 25,176 m2

PROJECT:

Renovate and modernize Hangar 101 at Marine Corps Base Hawaii (MCBH) to provide adequately configured maintenance space for aircraft assigned to a HMLA squadron and other aircraft as necessary. Provide functional hangar bay space, administrative and shop spaces. Project includes ancillary utility improvements, security features and other construction and upgrades required to make the hangar a complete and useable facility for a HMLA squadron and other aircraft as necessary.

(New Mission)

REQUIREMENT:

An adequately and efficiently configured facility is required to accommodate the HMLA squadron with a renovated and modernized maintenance hangar with hangar bay, crew and equipment spaces, administrative spaces, ready room, maintenance shops, meeting/classroom spaces, electrical power upgrades, ancillary utility improvements, security features and other supporting facilities and infrastructure upgrades. The hangar renovation is necessary to adequately support the new HMLA squadron and the IMP center required to support the H-1 aircraft.

Marine Aviation Group 24 (MAG-24) will receive one HMLA squadron. Aircraft began to arrive in summer 2012 and will reach full operating capacity in FY2015.

3. Installation(SA)& Location/UIC: M00318 MARINE CORPS BASE HAWAII KANEOHE, HAWAII	4. Project Title Aircraft Maintenance Hangar Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P863	31,820

The squadron will use existing inadequately configured spaces until renovation and modernization is complete.

CURRENT SITUATION:

The Marine Aviation Plan assigns one HMLA squadron to MAG-24 located at MCBH. There is limited space at MCBH to construct new aircraft hangar and the configuration of the existing aircraft hangars could not support the HMLA squadron. Existing aircraft hangars at MCBH are designated historic structures from World War II and are either adjacent to or part of a World War II Naval Air Station National Historic Landmark.

The current configuration of the existing hangar is not adequate to support the incoming HMLA squadron. Hangar 101 was originally configured to meet the requirements of World War II aircraft and has only undergone minor renovations since its original construction. Among the required improvements necessary for the hangar are electrical/power upgrades, and the increase in crane capacity to support HMLA and other type model series aircraft to be stationed at MCBH. The hangar also currently does not meet today's current standards in terms of fire protection and American's with Disabilities Act Accessibility Guidelines. The IMP to support the HMLA squadron will be temporarily sharing hangar spaces with the Hawker Hunters. The area that will be used until this project is complete, is too small to accomodate both the IMP and the Hawker Hunters.

IMPACT IF NOT PROVIDED:

Failure to renovate Hangar 101 will result in a substandard hangar with inadequate power and facilities for the operations, support and servicing of the HMLA squadron. The base will continue to be deficient in adequate hangar space and will not be able to properly support the HMLA squadron. The HMLA squadron will not be able to perform maintenance on the required number of aircraft, forcing scheduled maintenance tasks to be performed elsewhere or delay maintenance tasks reducing aircraft availability.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	01/2012
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aircraft Maintenance Hangar Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P863	31,820

(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	$1,157
(B) All other design costs	$1,735
(C) Total	$2,892
(D) Contract	$2,603
(E) In-house	$289
4. Contract award:	03/2014
5. Construction start:	05/2014
6. Construction complete:	01/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	PMC	2016	1,018
Electronic Security System (PSE)	PMC	2016	133
LAN/Computers/IT	PMC	2016	2,200

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: (808)257-3687

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aircraft Maintenance Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21108	P864	16,968

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRCRAFT MAINTENANCE EXPANSION (25,400 SF)	m2	2,359.7		10,450
COMPOSITE SHOP (12,400 SF)	m2	1,152	4,558	(5,250)
MALS GSE HOLDING SHED (13,000 SF)	m2	1,207.7	2,738.65	(3,310)
INFORMATION SYSTEMS	LS			(20)
BUILT-IN EQUIPMENT	LS			(1,240)
SPECIAL COSTS	LS			(370)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(130)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(130)
SUPPORTING FACILITIES				4,230
SITE PREPARATIONS	LS			(630)
PAVING AND SITE IMPROVEMENTS	LS			(1,260)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
ELECTRICAL UTILITIES	LS			(1,170)
MECHANICAL UTILITIES	LS			(480)
DEMOLITION	LS			(650)
SUBTOTAL				14,680
CONTINGENCY (5%)				730
TOTAL CONTRACT COST				15,410
SIOH (6.2%)				960
SUBTOTAL				16,370
DESIGN/BUILD - DESIGN COST				590
TOTAL REQUEST ROUNDED				16,960
TOTAL REQUEST				16,968
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,126)

10. Description of Proposed Construction:

Constructs a low-rise Composite Shop building and a Marine Aviation Logistics Squadron (MALS) ground support equipment (GSE) holding shed. The Composite Shop building will include areas for epoxy storage and mixing, paint storage and mixing, machining and grinding, cleaning and preparation,

layup and bonding, open storage, preparation room, offices, restrooms and supporting mechanical, electrical and communication spaces. The MALS GSE holding shed will include open equipment storage, restrooms and supporting electrical and mechanical spaces.

Information systems include basic telephone, computer network, fiber optic, cable television, mass notification, security and fire alarm systems and infrastructure. Premium information systems include an intrusion detection system (IDS) for the Composite Shop building.

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 built-in equipment includes dust collection/ventilation, pre-fabricated paint booth, an overhead crane and radon mitigation system.

Special costs include post construction contract award services, geospatial survey and mapping, and archeological monitoring.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, grubbing, grading, rock excavation, pavement demolition and contaminated soil handling.

Paving and site improvements include grading, roadways improvements, curbs, sidewalks, parking for approximately 10 vehicles, trash enclosure, pervious pavement, landscaping, signs, storm-water drainage and security fencing for both facilities and bioretention swales.

ATFP outside features include pedestrian turnstiles and rolling gates at the Composite Shop.

Electrical utilities include primary and secondary electrical distribution, pad-mounted transformers for each facility, telecommunication/local area

network and IDS infrastructure and lighting.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines.

Demolition includes the removal of the Engine Test Cell Facility, Building #1178 (250 SM) and the existing tension fabric structure used for equipment storage.

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: 4,535 m2 **Adequate:** 0 m2 **Substandard:** 1,432 m2

PROJECT:

Construct a composite shop and MALS GSE holding facility at Marine Corps Base Hawaii (MCBH).

(New Mission)

REQUIREMENT:

An adequate and properly configured composite shop facility along with a GSE holding facility are required to accommodate MALS-24 which provides aviation supply and intermediate level aircraft maintenance, avionics and ordnance support for the Marine Corps and Navy squadrons stationed at MCBH. This project is required in order to provide adequate work space to conduct composite repair work required for MV-22, Marine Light Attack Helicopter (HMLA) and future transition to CH-53E/K aircraft.

Marine Aviation Group 24 (MAG-24) will receive two MV-22 squadrons, an HMLA squadron and transition to CH-53E/K aircraft beginning in Summer 2012. This project is required to support the aviation basing and transitions at MCBH. Existing temporary facilities or shipment of aircraft parts off-island will continue until this project is completed.

CURRENT SITUATION:

MALS-24 performs intermediate level aircraft maintenance in several facilities at MCBH. The squadrons and aircraft to arrive at MCBH in support of the Marine Corps Aviation Plan significantly increases aircraft and aviation personnel loading at MCBH. This increases demand for aircraft maintenance. Currently operating at capacity levels, MALS-24 does not have

a composite shop or GSE holding shed to support these additional aircraft. The increase in maintenance needs associated with these aircraft cannot be accommodated within the existing facilities.

IMPACT IF NOT PROVIDED:

Failure to construct the composite shop and GSE holding shed for MALS-24 will result in delays in performing routine and emergency maintenance of aircraft which will have conforming delays in aircraft availability impacting operations and training. MALS-24 will not be able to perform maintenance on the increased number of aircraft in a timely manner. MALS-24 will continue to ship aircraft parts to North Island, California or other off-island repair facilities for repair and incur additional shipping costs in addition to further delays associated with moving aircraft off-island. For the GSE storage, approximately $1.65M of GSE is stored in highly deteriorated tension fabric structures. If the GSE is stored outdoors, there will be increased corrosion of the GSE and will require additional repair. Without this project, the base will not be able to adequately support the new HMLA and MV-22 squadrons or the transition to CH53E/K aircraft.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	01/2012
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	06/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$317
(B) All other design costs	$476
(C) Total	$793
(D) Contract	$714
(E) In-house	$79
4. Contract award:	02/2014
5. Construction start:	06/2014
6. Construction complete:	12/2015

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aircraft Maintenance Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21108	P864	16,968

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furniture and Equipment	O&MMC	2016	420
LAN/Computers/IT	O&MMC	2016	1,650
PSE/ESS	O&MMC	2016	56

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: (808) 257-3687

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aircraft Maintenance Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21108	P864	16,968

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aviation Simulator Modernization/Addition

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P884	17,724

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AVIATION SIMULATOR MODERNIZATION/ADDITION (19,278 SF)	m2	1,791		8,940
CH-53D FLT SIMULATOR TRNG (6,211 SF)(RENOVATE)	m2	577	3,492.02	(2,010)
AVIATION SIMULATOR TRAINER BUILDING ADDITION (11,270 SF)	m2	1,047	4,467.4	(4,680)
FUEL DELIVERY AND OPERATONS FACILITY (1,798 SF)	m2	167	7,276.7	(1,220)
INFORMATION SYSTEMS	LS			(90)
BUILT-IN EQUIPMENT	LS			(50)
SPECIAL COSTS	LS			(690)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(100)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(100)
SUPPORTING FACILITIES				6,400
PAVEMENT FACILITIES	LS			(900)
SITE PREPARATIONS	LS			(1,370)
PAVING AND SITE IMPROVEMENTS	LS			(2,840)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
ELECTRICAL UTILITIES	LS			(490)
MECHANICAL UTILITIES	LS			(500)
DEMOLITION	LS			(260)
SUBTOTAL				15,340
CONTINGENCY (5%)				770
TOTAL CONTRACT COST				16,110
SIOH (6.2%)				1,000
SUBTOTAL				17,110
DESIGN/BUILD - DESIGN COST				610
TOTAL REQUEST ROUNDED				17,720
TOTAL REQUEST				17,724
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(100,467)

10. Description of Proposed Construction:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aviation Simulator Modernization/Addition

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P884	17,724

Constructs a low-rise Aviation Simulator Training Facility addition and renovates the existing CH-53D Flight Simulator Training Facility Building #4041 to support the Marine Aviation Training System Site (MATSS). This project will also relocate existing Fuel Farm Support Facilities Buildings #6510 and #6182, and athletic facilities. The Fuel Farm Facilities will be reconstructed and consolidated into one Fuel Operations and Delivery Facility. Fuel Farm support facilities, softball fields, dugouts, and storage facilities are being relocated to make room for the Aviation Simulator Training facility addition and simulator pads to house containerized flight simulators.

The Aviation Simulator Training Facility addition will include classrooms, night lab, flight/mission planning room, instructor pilot offices, operator offices, administrative offices, support spaces and toilet/locker rooms.

The existing CH-53D Flight Simulator Training Facility will be renovated to include CH-53 external trainer, simulator parts storage, computer room, communication repair and AH-1Z and UH-1Y crew brief and debrief rooms. Existing high bay space will include two H-1 flight training simulators.

Information systems include basic telephone, computer network, fiber optic, cable television, mass notification, security and fire alarm systems and infrastructure. Premium information systems for intrusion detection systems (IDS) and Secure Internet Protocol Router network connections are included.

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. This project will demolish the first row of parking fronting building #4041 to achieve ATFP setback requirements.

Built-in equipment includes raised access flooring in areas of the Simulator Training Facility and radon mitigation systems.

Special costs include post construction contract award services, geospatial survey and mapping, archeological monitoring and a pre-fabricated temporary facility to house operations during construction and renovation.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and

construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes clearing and grubbing, excavation, embankment, contaminated soil handling and preparation for construction.

Paving and site improvements includes parking facilities for the fuel building (approximately 60 spaces), simulator building (approximately 75 spaces), and relocation of athletic facility parking (approximately 70 spaces). Also included are curbs and gutters, asphalt paving for fire lane access, pervious pavement, two concrete pads with utility connections to support containerized simulators, sidewalks, landscaping, trash enclosures, security fencing and bioretention swales. Also included are two athletic fields each including two dugouts and one field storage shed.

ATFP Outside includes pedestrian turnstile and rolling gates.

Electrical utilities include primary and secondary distribution systems, transformers, telecommunication and IDS infrastructure and area lighting.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines.

Demolition will remove the following facilities to be relocated per this project: Fuel Delivery Facility # 6182 (74m2), Fuel Ops Facility #6510 (93m2), Baseball Dugout #6514 (14.5m2), Baseball Dugout #6515 (14.5m2), Baseball Dugout #6518 (14.5m2), Baseball Dugout #6519 (14.5m2), Baseball Field & Facility, #1694 (approx. 5900m2), Baseball Field & Facility, #1695 (approx. 5900m2), Field Storage, #6516 (8 SM) and Field Storage #6520 (8m2).

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: 1,634 m2 **Adequate:** 744 m2 **Substandard:**

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aviation Simulator Modernization/Addition

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P884	17,724

PROJECT:

Construct an Aviation Simulator Training Facility, two simulator pads, and renovate an existing CH-53D Flight Simulator Facility to support: H-1, CH-53, MV-22 simulators, Marine Common Aircrew Trainer, and night vision training for the MATSS at Marine Corps Base Hawaii (MCBH). Relocate facilities and functions including an existing fuel farm, support facilities and outdoor physical fitness fields displaced due to the construction of the new simulator training facility.

(New Mission)

REQUIREMENT:

A facility that can adequately accommodate aviation simulators is required to support training requirements for existing and planned squadrons to be based at MCBH. Facility is required to support classified security and network communications capability and to provide support spaces for briefing rooms, computer rooms, maintenance, storage and repair spaces.

Marine Aviation Group 24 (MAG-24) will receive two MV-22 squadrons, a Marine Light Attack helicopter (HMLA) squadron and transition to CH-53E/K aircraft began in FY2012. This project is required to support the aviation basing and transitions at MCBH.

For the HMLA trainer, an existing facility will be used in the interim. However, this will impact the availability of training space for other aviation needs.

CURRENT SITUATION:

MCBH currently does not have a centralized aviation simulator training facility. Aviation simulators for existing aircraft at MCBH are scattered in various locations or are non-existent. With the transition to the new aircraft (CH-53D to CH-53K) and the addition of the MV-22 and HMLA squadrons, aviation simulators will be required for aviation training.

The vital role of simulators in aviation training has increased dramatically as a means to save expensive aircraft flying hours and associated reduction of aircraft maintenance dollars. This increased simulator role resulted in the creation of the Aviation Training System (ATS), in compliance with Navy and Marine Corps training orders an ddirectives. Simulators will be used daily to support a portion of the training syllabus.

IMPACT IF NOT PROVIDED:

Failure to construct this project will result in a lack of facilities to house the new aviation simulators required to support the squadrons planned for MCBH. The air station will be unable to support the training

requirements of these squadrons with simulators.

Operational trainer deficiencies will increase the number of live training exercises resulting in additional cost associated with aircraft maintenance and fuel consumption, along with increased accident potential.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	01/2012
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$321
(B) All other design costs	$482
(C) Total	$803
(D) Contract	$723
(E) In-house	$80

4. Contract award:	02/2014
5. Construction start:	05/2014
6. Construction complete:	03/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Flight Simulator Equipment	PMC	2016	95,240
Furniture and Equipment	PMC	2016	1,043
LAN/Computers/IT	O&MMC	2016	3,500
PSE/ESS	PMC	2016	684

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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Aviation Simulator Modernization/Addition

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P884	17,724

location are incompatible with use by other components.

Activity POC: Project Development Lead Phone No: (808)257-3687

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	MV-22 Parking Apron and Infrastructure

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	11320	P907	74,665

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MV-22 PARKING APRON AND INFRASTRUCTURE (599,229 SF)	m2	55,670.23		28,030
MV-22 WASH RACK (10,500 SF)	m2	975.48	2,160.73	(2,110)
AIRCRAFT PARKING APRON (414,684 SF)	m2	38,525.4	285.31	(10,990)
RELOCATE RINSE FACILITY (24,750 SF)	m2	2,299.35	3,073.97	(7,070)
UTILITY BUILDING (646 SF)	m2	60	5,671.05	(340)
GUARD HOUSE (NEW) (517 SF)	m2	48	2,581.1	(120)
GUARD HOUSE (RELOCATE) (517 SF)	m2	48	972.44	(50)
TAXIWAY (147,616 SF)	m2	13,714	352.19	(4,830)
BUILT-IN EQUIPMENT	LS			(200)
SPECIAL COSTS	LS			(2,050)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(270)
SUPPORTING FACILITIES				38,930
SITE PREPARATIONS	LS			(14,460)
PAVING AND SITE IMPROVEMENTS	LS			(3,980)
ELECTRICAL UTILITIES	LS			(3,210)
MECHANICAL UTILITIES	LS			(6,530)
DEMOLITION	LS			(2,580)
MOKAPU ROAD RELOCATION	LS			(8,170)
SUBTOTAL				66,960
CONTINGENCY (5%)				3,350
TOTAL CONTRACT COST				70,310
SIOH (6.2%)				4,360
SUBTOTAL				74,670
TOTAL REQUEST ROUNDED				74,670
TOTAL REQUEST				74,665
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(220)

10. Description of Proposed Construction:

Construct an aircraft parking apron, MV-22 aircraft wash rack facility,

support utility building, storage tank, taxiway and guard house; relocate: the existing rinse facility for displaced fixed wing aircraft and a guard house to support the MV-22 aircraft. Project includes modification, repair and new taxiway paving.

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 a radon mitigation system.

Special costs include high performance coatings for aprons, archaeological monitoring, post construction contract award sevices and geospatial survey and mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes clearing and grubbing, cutting and filling, site demolition of pavement and utilities, rock excavation and disposal. The premium in costs for site preparation is due to the large quantity of the site area requiring grade adjustment and because there is no alternate site available for the construction.

Paving and site improvements includes grading, parking for approximately 120 vehicles, trash enclosures, curb and gutters, landscaping, sidewalks, emergency vehicle access, security fencing, retaining wall, and relocation of the hold short area, where planes pause prior to takeoff. Water quality units and infiltration basins are included.

Electrical utilities include primary and secondary electrical distribution, parking lighting, area aircraft apron lighting, communication distribution systems for telecommunication/local area network and intrusion detection system which require directional boring for communication line, and new oil-filled transformers. In addition to utility services for the new

facilities, existing electrical and telecommunication utility distribution infrastructure along Mokapu Road will be rerouted around the project site as part of the road relocation.

Mechanical utilities include potable water distribution to the hangar and the rinse facility, fire protection water distribution, sanitary sewer, irrigation water line, collection system and holding tank for the rinse facility, storm drainage and cooling distribution systems.

The project demolishes the following facilities: #4005 (2,955m2), #4075 (1,746m2), #5068 (223m2), #5019 (5m2), #4040 (8m2), #6107 (1338m2), #574 (39m2) and #4000 (100m2). MCB Hawaii has an energy savings performance contract that installed energy saving lighting in two of the buildings being demolished. The contract requires close out and the cost is included in the estimate of demolition.

This project provides for the relocation of Mokapu Road. The Mokapu road needs to be relocated so that it does not cross an active airfield.

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: 333,755 m2 **Adequate:** 64,796 m2 **Substandard:** 65,696 m2

PROJECT:

This project will construct an aircraft parking apron, an MV-22 aircraft wash rack facility, a support utility building and relocate an existing rinse facility to support the planned increase in the number of squadrons based on Marine Corps Base Hawaii (MCBH). Includes associated aircraft parking, privately operated vehicle parking, and utility infrastructure.

(New Mission)

REQUIREMENT:

An adequate and efficiently configured facility to accommodate one of two MV-22 squadrons consisting of 12 aircraft each to include aircraft parking apron, PV parking, taxiway improvements and other supporting facilities and infrastructure requirements.

Marine Aviation Group 24 (MAG-24) will receive two MV-22 squadrons with the 2nd squadron arriving in FY2016. This project is required to support the

second MV-22 squadron at MCBH.

Note: Facilities for 1st squadron programmed in FY2013 (P-905).

CURRENT SITUATION:

The Marine Aviation Plan assigns two MV-22 squadrons to MAG-24 located at MCBH. Under current operations, MCBH is filled beyond capacity with regard to available aircraft parking apron space. Currently there are no adequate facilities to base the MV-22 aircraft. Existing aircraft parking areas and maintenance hangars are being utilized by other squadrons.

IMPACT IF NOT PROVIDED:

Failure to construct this project will result in a deficiency of adequate airfield parking area for the new squadron. This will necessitate the use of inadequate areas for aircraft parking such as deteriorated pavement or unpaved areas located half a mile away from the maintenance facilities. Use of these alternate, inadequate areas will require towing of aircraft back and forth to maintenance facilities over a route that is adjacent to the active runway and crosses multiple, active taxiways resulting in increased aircraft maintenance cycle times and compromising personnel and airfield safety.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	05/2012
(B) Date 35% Design or Parametric Cost Estimate complete	08/2012
(C) Date design completed	06/2013
(D) Percent completed as of September 2012	35%
(E) Percent completed as of January 2013	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
2. Basis:	
(A) Standard or Definitive Design	Yes
(B) Where design was previously used	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$2,808
(B) All other design costs	$4,211
(C) Total	$7,019
(D) Contract	$6,317
(E) In-house	$702
4. Contract award:	01/2014
5. Construction start:	02/2014

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	MV-22 Parking Apron and Infrastructure

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	11320	P907	74,665

6. Construction complete: 02/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
LAN/Compters/IT	O&MMC	2016	220

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: (808) 257-9935

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	MV-22 Parking Apron and Infrastructure

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	11320	P907	74,665

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	MV-22 Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P908	57,517

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MV-22 HANGAR (71,069 SF)	m2	6,602.5		40,970
AIRCRAFT MAINTENANCE HANGAR (71,069 SF)	m2	6,602.5	4,945.25	(32,650)
INFORMATION SYSTEMS	LS			(210)
BUILT-IN EQUIPMENT	LS			(6,590)
SPECIAL COSTS	LS			(750)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(400)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(370)
SUPPORTING FACILITIES				10,600
SPECIAL CONSTRUCTION FEATURES	LS			(2,150)
SITE PREPARATIONS	LS			(2,490)
PAVING AND SITE IMPROVEMENTS	LS			(2,360)
ANTI-TERRORISM/FORCE PROTECTION	LS			(190)
ELECTRICAL UTILITIES	LS			(2,350)
MECHANICAL UTILITIES	LS			(1,060)
SUBTOTAL				51,570
CONTINGENCY (5%)				2,580
TOTAL CONTRACT COST				54,150
SIOH (6.2%)				3,360
SUBTOTAL				57,510
TOTAL REQUEST ROUNDED				57,510
TOTAL REQUEST				57,517
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(6,057)

10. Description of Proposed Construction:

Constructs a low-rise aircraft maintenance hangar to support one MV-22 squadron. This project constructs one Type II modified aircraft maintenance hangar to provide a weather protected shelter for inspection, servicing, and maintenance of the MV-22 aircraft. The hangar will also include work center spaces for equipment and crew and squadron administrative functions. The hangar area space floor slab shall be designed to support other transient and Marine Corps Base Hawaii (MCBH)

based aircraft (C-130 or CH-53K) and includes floor trenches to support Aqueous Fire Fighting Foam (AFFF) system.

Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure. Premium Information Systems include Naval Aviation Logistics Command Maintenance Information System (CAMEO/NALCOMIS) and secure local area network (LAN) connections in the Aircraft Maintenance Hangar.

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 built-in equipment includes one passenger/freight elevator, one bridge crane with hoist, aircraft exhaust ventilation system, welding hood, hangar workstation with 400 Hz power, emergency diesel generator, an alarm system and radon mitigation system.

Special costs include post construction contract award services, geospatial survey and mapping and archeological monitoring.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special construction features includes pile supported foundation, premium for insulated concrete form and sound attenuation.

Site preparation includes clearing and grubbing, grading, rock excavation, filling and borrowing and contaminated soil handling.

Paving and site improvements include hangar access apron pavement, security fencing, sidewalks, landscaping, site demolition of pavement, utilities and a generator building. Water quality units are included as part of storm water management.

ATFP features include a guard house, pedestrian turnstiles and rolling

gates.

Electrical Utilities include primary and secondary electrical distribution, pad mounted transformers, renewable energy system and communication distribution systems for telecommunication/LAN and intrusion detection system.

Mechanical utilities include potable water distribution, fire protection water distribution, sanitary sewer, fuel distribution and tanks, industrial waste systems for AFFF collection, storm drainage and cooling distribution 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: 15,710 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

This project will construct a high bay Type II modified aircraft maintenance hangar and associate access apron pavement to support one squadron of MV-22 aircraft including a generator building, fire pump building, parking, utility infrastructure and all other infrastructure improvements required to make the hangar a complete and usable facility.

(New Mission)

REQUIREMENT:

An adequate and efficiently configured facility is required to accommodate one MV-22 squadron consisting of 12 aircraft to include aircraft access apron pavement, maintenance hangar with hangar bay, crew and equipment spaces, administrative spaces, ready room, maintenance shops , parking, and other supporting facilities and infrastructure requirements.

Marine Aviation Group 24 (MAG-24) will receive two MV-22 squadrons with the 2nd squadron arriving in FY2016. This project is required to support the second MV-22 squadron at MCBH.

Note: Facilities for 1st squadron programmed in FY2013 (P-904).

CURRENT SITUATION:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	MV-22 Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P908	57,517

The Marine Aviation Plan assigns two MV-22 squadrons to MAG-24 located at MCBH. Currently, all existing hangar facilities are being utilized by other aircraft and could not support the MV-22 due to hangar orientation, location, dimensions and spacing restrictions. The MV-22 will not fit in the existing hangars, nor is there sufficient existing spaces for MV-22 aircraft parking.

IMPACT IF NOT PROVIDED:

Failure to construct this hangar will result in the MV-22 squadron having no facilities for their personnel and maintenance spaces for the operations, support and servicing of MV-22 aircraft. The base will continue to be deficient in hangar space and will not be able to provide hangar spaces to all permanently based squadrons. The MV-22 squadron personnel will not be able to perform maintenance on the required number of aircraft, forcing scheduled maintenance tasks to be performed on the apron or delayed which will impact aircraft availability.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	05/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	06/2013
(D) Percent completed as of September 2012	10%
(E) Percent completed as of January 2013	35%
(F) Type of design contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy Study/Life Cycle Analysis performed	No
2. Basis:	
(A) Standard or Definitive Design	Yes
(B) Where design was previously used	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$2,209
(B) All other design costs	$3,313
(C) Total	$5,522
(D) Contract	$4,970
(E) In-house	$552
4. Contract award:	01/2014
5. Construction start:	02/2014
6. Construction complete:	02/2016

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

Equipment	Procuring	FY Approp

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	MV-22 Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P908	57,517

Nomenclature	Approp	or Requested	Cost ($000)
Furniture and Equipment	O&MMC	2016	2,130
LAN/Computers/IT	O&MMC	2016	3,500
PSE/ESS	PMC	2016	427

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: (808) 257-9935

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00318	4. Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	MV-22 Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P908	57,517

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N62813	4. Command	5. Area Const Cost Index
JBPHH PEARL HARBOR HI PEARL CITY, HAWAII	Commander Navy Installations Command	2.11

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1660	8333	8210	0	0	0	282	362	0	18847
B. End FY 2017	1454	7358	18	0	0	0	282	362	0	9474

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(747 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	655,422
C.	AUTHORIZATION NOT YET IN INVENTORY	292,105
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	30,100
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	0
H.	**GRAND TOTAL .....**	**977,627**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
84210	Water Transmission Line (Waiawa)	07/2012	10/2013	0 LS	30,100
				TOTAL	30,100

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
C. R&M Unfunded Requirement ($000):	4,648,579

10. Mission or Major Functions:

Homeport for approximately 40 surface combatants and submarines. This station operates and controls the harbor and maintains and operates shore-based support faclities such as shore intermediate maintenance, housing, recreation, and personnel assistance for afloat surface units and most of the shore tenant activities in the Pearl Harbor area.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813(WS)	4. Project Title
JBPHH PEARL HARBOR HI (WAIAWA WELL SITE) PEARL CITY, HAWAII	Water Transmission Line

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	84210	P493	30,100

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WATER TRANSMISSION LINE	LS			19,060
1050MM (42-IN) WATER TRANSMISSION LINE (WAIAWA) (15,000 LF)	m	4,572	3,613.3	(16,520)
305MM (12-IN) WATERLINE (MANANA)	m	550	1,818.2	(1,000)
CATHODIC PROTECTION	EA	1	882,696	(880)
SPECIAL COSTS	LS			(430)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(230)
SUPPORTING FACILITIES				7,930
SITE PREPARATIONS	LS			(520)
PAVING AND SITE IMPROVEMENTS	LS			(1,570)
MECHANICAL UTILITIES	LS			(2,840)
LAND AQUISITION	LS			(3,000)
SUBTOTAL				26,990
CONTINGENCY (5%)				1,350
TOTAL CONTRACT COST				28,340
SIOH (6.2%)				1,760
SUBTOTAL				30,100
TOTAL REQUEST ROUNDED				30,100
TOTAL REQUEST				30,100

10. Description of Proposed Construction:

This project proposes to replace a 1,050mm (42-inch) primary potable water main by constructing a new 1050 mm (42-inch) water main (transmission main) from the Waiawa Pump Station at the end of Waihona Street to the existing 1050mm (42-inch) main at the intersection of Lehua Avenue and Second Street. The existing line will be abandoned in place and no longer be in service. Work will include all necessary tie-ins to the existing systems, installation of valves, fittings, reaction blocks, cathodic protection as needed, utility adjustments, roadway repair, and traffic control. Tie-ins are required at the Waiawa pump station 900mm (36-inch) water main, Hawaii National Guard Armory 305mm (12-inch) waterline, Manana Housing booster pump station 305mm (12-inch) waterline, and Lehua Ave 1050mm (42-inch) water main (before the junction). The tie-in to the Manana Housing booster pump station includes the installation of a 305mm (12-inch) secondary

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813(WS)	4. Project Title
JBPHH PEARL HARBOR HI (WAIAWA WELL SITE) PEARL CITY, HAWAII	Water Transmission Line

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	84210	P493	30,100

potable waterline. Project involves construction above Waiawa stream (navigable waters). Easements for use of this land must be obtained.

Special costs include Post Construction Contract Award Services (PCAS), Geospatial Survey and Mapping, and archeological monitoring.

Operations and Maintenance Support Information (OMSI) is included in this project.

Land acquisition includes acquiring easements along the length of the new 1050mm (42-inch) water transmission line and the new 305mm (12-inch) waterline at Manana Housing.

Site preparations include contaminated soil remediation.

Paving and site improvements involve roadway/pavement repairs.

Mechnical utilities include modifications at the Waiawa and Manana Pump Stations, connections to the existing 900mm (36-inch) waterline at the Waiawa Pump Station, connections to the existing 1050mm (42-inch) waterline at Lehua Avenue and connections to the existing 305mm (12-inch) waterline at Manana Housing and the Hawaii National Guard Armory, testing and disinfection, cutting, plugging and grouting existing waterlines, and demolition and fill-in of existing valve boxes.

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: 4,572 m **Adequate:** **Substandard:**

PROJECT:

This project will install a new 1,050mm primary potable waterline from the Waiawa Pump Station to an existing 900mm waterline at the intersection of Lehua Avenue and Second Street (Pearl City Junction) to replace the deteriorated existing pipeline. The new primary potable waterline will follow a different route than the existing waterline to eliminate the threat of loss of life and/or structural damage in the event of a break in the waterline as well as provide maintenance access.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813(WS)	4. Project Title
JBPHH PEARL HARBOR HI (WAIAWA WELL SITE) PEARL CITY, HAWAII	Water Transmission Line

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	84210	P493	30,100

(Current Mission)

REQUIREMENT:

A new 1,050mm primary potable waterline is critically required as Joint Base Pearl Harbor Hickam (JBPHH) and the Army at Aliamanu Housing depend on this system for its potable and industrial water usage as well as its fire protection water. This transmission main is required to distribute water from the Waiawa Pump Station in the event of breakage or damage to the existing 59+ year old line. The existing line is failing. This project does not provide redundancy.

CURRENT SITUATION:

The existing 59+ year old waterline is at the end of its design life and extremely deteriorated. It also cannot be maintained because a multi-level shopping center parking structure and several warehouses have been built over it. If it fails under these structures, it would damage structures and potentially result in loss of life. Disruption of fire water supply is also a life safety issue.

The existing transmission main provides 83% of all fresh water requirements to JBPHH (10 to 17 million gallons per day of the total 12 to 20 million gallons per day supplied to JBPHH). It also conveys potable water from the Waiawa Pump Station to the Halawa Storage Tanks which maintain 87% of the required fire protection and potable water storage requirements for JBPHH and the Army at Aliamanu housing (12,000,000 gallons of the total 13,740,000 gallons).

There is no redundant pipeline to allow continued use of the Waiawa Pump Station in the event of a breakage in the existing 1,050mm waterline. The secondary sources at Red Hill and Halawa do not have the capacity to meet prolonged daily demands should the existing Waiawa transmission main rupture.

The Halawa Pump Station cannot be continuously run for more than 8 hours per day (1,440,000 gallons per day) due to high chloride levels. Any prolonged pumpage at this station will potentially cause irreversible saltwater contamination to its aquifer source. Pumpage at the Red Hill Pump Station is limited by well pumps hydraulics. Pumpage exceeding 10,000,000 gallons per day will cause the well level to decrease and lead to pump cavitation. Red Hill is also unable to sustain continuous pumping at 10,000,000 gallons per day for a prolonged period (i.e. more than 2 to 3 weeks) of pumpage due to potential for saltwater contamination.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813(WS)	4. Project Title
JBPHH PEARL HARBOR HI (WAIAWA WELL SITE) PEARL CITY, HAWAII	Water Transmission Line

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	84210	P493	30,100

IMPACT IF NOT PROVIDED:

Without this new potable water transmission main, JBPHH and related activities may face possible loss of water from a deteriorated, ruptured 59+ year old existing water main. A break in the existing water main would affect the supply of potable water as well as water supply for fire protection. A break would result in severe water restrictions for all shore tenants, industrial users including the Navy Shipyard, family housing, and berthed ships and subs. All non-dockside fire protection including fire hydrants and/or sprinkler systems at JBHH would be affected.

As the primary source of fresh water for JBPHH and related activities, a break in the existing waterline and subsequent loss of water supply would adversely affect waterfront operations and production, as well as safety.

A break in the main beneath the shopping center parking lot would result in significant property damage, expensive litigation, community disruption, as well as endangerment to the lives/safety of the general public.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	07/2012
(B) Date 35% Design or Parametric Cost Estimate complete	08/2012
(C) Date design completed	10/2013
(D) Percent completed as of September 2012	0%
(E) Percent completed as of January 2013	5%
(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	$700
(B) All other design costs	$805
(C) Total	$1,505
(D) Contract	$1,305
(E) In-house	$200
4. Contract award:	02/2014
5. Construction start:	03/2014
6. Construction complete:	03/2016

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813(WS)	4. Project Title
JBPHH PEARL HARBOR HI (WAIAWA WELL SITE) PEARL CITY, HAWAII	Water Transmission Line

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	84210	P493	30,100

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: 808-471-9908

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813(WS)	4. Project Title
JBPHH PEARL HARBOR HI (WAIAWA WELL SITE) PEARL CITY, HAWAII	Water Transmission Line

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	84210	P493	30,100

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N62813	4. Command	5. Area Const Cost Index
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	Commander Navy Installations Command	2.11

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1660	8333	8210	0	0	0	282	362	0	18847
B. End FY 2017	1454	7358	18	0	0	0	282	362	0	9474

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(9959 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	16,210,167
C.	AUTHORIZATION NOT YET IN INVENTORY	292,105
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	57,998
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	296,000
G.	REMAINING DEFICIENCY	1,633,597
H.	**GRAND TOTAL .....**	**18,489,867**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21370	Drydock Waterfront Facility	07/2012	07/2013	2762 m2	22,721
21365	Submarine Production Support Facility	07/2008	10/2013	4347 m2	35,277
				TOTAL	57,998

9. Future Projects:

A. Included In The Following Program:

B. Major Planned Next Three Years:

16510	Deep Draft Harbor Dredging	296,000
	TOTAL	296,000

C. R&M Unfunded Requirement ($000): 4,648,579

10. Mission or Major Functions:

Homeport for approximately 40 surface combatants and submarines. This station operates and controls the harbor and maintains and operates shore-based support faclities such as shore intermediate maintenance, housing, recreation, and personnel assistance for afloat surface units and most of the shore tenant activities in the Pearl Harbor area.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*): 0

B. Occupational Safety and Health(OSH)(#): 0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813	4. Project Title
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	Drydock Waterfront Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P270	22,721

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
DRYDOCK WATERFRONT FACILITY (29,730 SF)	m2	2,762		12,600
DRYDOCK WATERFRONT FACILITY (29,730 SF)	m2	2,762	4,065	(11,230)
BUILT-IN EQUIPMENT	LS			(770)
SPECIAL COSTS	LS			(200)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(120)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(280)
SUPPORTING FACILITIES				7,770
SPECIAL CONSTRUCTION FEATURES	LS			(1,210)
SITE PREPARATIONS	LS			(570)
PAVING AND SITE IMPROVEMENTS	LS			(320)
ELECTRICAL UTILITIES	LS			(3,540)
MECHANICAL UTILITIES	LS			(1,650)
DEMOLITION	LS			(480)
SUBTOTAL				20,370
CONTINGENCY (5%)				1,020
TOTAL CONTRACT COST				21,390
SIOH (6.2%)				1,330
SUBTOTAL				22,720
TOTAL REQUEST ROUNDED				22,720
TOTAL REQUEST				22,721
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,152)

10. Description of Proposed Construction:

Constructs a new low rise Waterfront Facility at Drydock 2 with concrete slab-on-grade, pile supported foundation. The facility will be located between Drydock 2 and 3, within the Controlled Industrial Area (CIA), to support the Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility (PHNSY&IMF). The project will include production shop spaces, meeting/conference rooms, break rooms, restrooms, administrative and engineering areas, and project management and project team spaces. Environmental mitigation costs are required to address handling of

contaminated soil.

Information systems include: basic telephone, computer network, mass notification, security and fire alarm systems and infrastructure; Intrusion Detection Systems (IDS); Closed Circuit Television and Secure Internet Protocol Router network connections.

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 passenger elevators, a jib crane, and emergency generators with accessories.

Special costs include Post Construction Contract Award Services (PCAS), geospatial survey and mapping, archeological monitoring and a pre-fabricated temporary facility to house operations during construction and renovation.

Operations and Maintenance Support Information (OMSI) is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 (2007) and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Electrical utilities include primary and secondary distribution systems, transformers, exterior telecommunications, IDS infrastructure, and area lighting.

Mechanical utilities include above ground fuel storage tanks and associated systems, fire protection system, water distribution, sanitary sewer, storm drainage system, and a lift station.

Demolition will include removal of 20 temporary structures, portable equipment and temporary work areas.

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: 2,762 m2 **Adequate:** **Substandard:**

PROJECT:

Provides a permanent waterfront facility at Drydock 2 that centralizes and consolidates planning and production personnel who directly support major submarine availabilities during drydocking. This facility will allow for more efficient operations, increase mission assurance and quality of service, reduce operating costs, satisfy space and infrastructure requirements and ensure worker safety.

(Current Mission)

REQUIREMENT:

This project is required to support critical drydocking work vital to the maintenance of submarines and ships homeported at Pearl Harbor. Critical to the success of any project team is housing its members in functional, adequately sized and professionally equipped contiguous work spaces in very close proximity to its ships/submarines. The consolidated project team is composed of project management (planning and engineering) and production shops.

The Navy's Fleet Response Plan will keep more ships in a higher state of readiness and surge potential. This will require a high state of readiness and efficiency on mission critical Naval Shipyard assets, especially the drydocks and production shops. PHNSY&IMF supports both Los Angeles (SSN688) and Virginia (SSN774) class submarines, and Arleigh Burke (DDG), Ticonderoga (CG), Oliver Hazard Perry (FFG) and Safeguard (ARS) class surface ships.

CURRENT SITUATION:

There are three drydocks within the PHNSY&IMF CIA. The intermediate caisson at Drydock 2 allows for a fourth docking location to support planned depot maintenance work as well as emergent docking requirements.

The concept of operations has changed from the time the shipyard was constructed. Components would be removed from the ship and taken to the shop where the repairs would take place. These large back shops performed roughly 60 percent of the project work, with ripout and reinstallation the large part of the waterfront work. The ratio has changed to doing the 80

percent of the work within the submarine/ship adjacent to the worksite and 20 percent in the back shop. This change required that the shipyard workers operate closer to the drydocks currently in temporary relocatable facilities.

The only permanent project facilities at PHNSY&IMF to support drydock work are located in Building #2192 and Building #2193. These buildings do not provide the most efficient work space and are not capable of supporting a Depot Modernization Period or an Engineering Overhaul availability team. This results in approximately half of the project team and production shop personnel working out of a multitude of temporary relocatable facilities and substandard buildings and tents surrounding the drydock. Temporary structures present numerous physical deficiencies and insufficient operational space. In addition, workers waste man-hours repeatedly erecting and disassembling tents; transporting and setting up trailers and shacks, and providing temporary power and communications. This wasteful process is repeated whenever there is a high wind or storm warning.

IMPACT IF NOT PROVIDED:

The shipyard will be unable to provide adequate facilities to support critical drydocking work vital to the maintenance of submarines and surface ships. The result is loss of efficiency and productivity, which directly and adversely impacts Fleet maintenance costs, schedules, and ship availability. Working out of makeshift shacks, tents, and trailers is also a quality of life issue for workers with potential safety/health risks caused by temporary utilities and electrical appliances in an outdoor environment.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	07/2012
(B) Date 35% Design or Parametric Cost Estimate complete	02/2013
(C) Date design completed	07/2013
(D) Percent completed as of September 2012	10%
(E) Percent completed as of January 2013	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:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813	4. Project Title
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	Drydock Waterfront Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P270	22,721

(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	$868
(B) All other design costs	$1,276
(C) Total	$2,144
(D) Contract	$1,780
(E) In-house	$364
4. Contract award:	01/2014
5. Construction start:	02/2014
6. Construction complete:	08/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	OMN	2015	1,152

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: (808)473-8000 x2937

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813 JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	4. Project Title Drydock Waterfront Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P270	22,721

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813	4. Project Title
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	Submarine Production Support Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21365	P320	35,277

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
SUBMARINE PRODUCTION SUPPORT FACILITY (46,791 SF)	m2	4,346.98		18,790
NUCLEAR REPAIR SHOP ADDITION (21,085 SF)	m2	1,958.86	3,400	(6,660)
NUCLEAR REPAIR (9,296 SF)(RENOVATE)	m2	863.62	5,850	(5,050)
NUCLEAR REPAIR SHOP (16,410 SF)(RENOVATE)	m2	1,524.5	2,380	(3,630)
INFORMATION SYSTEMS	LS			(270)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(360)
BUILT-IN EQUIPMENT	LS			(980)
SPECIAL COSTS	LS			(1,190)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(200)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(450)
SUPPORTING FACILITIES				12,850
SPECIAL CONSTRUCTION FEATURES	LS			(4,020)
SITE PREPARATIONS	LS			(2,170)
SPECIAL FOUNDATION FEATURES	LS			(1,690)
PAVING AND SITE IMPROVEMENTS	LS			(370)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
ELECTRICAL UTILITIES	LS			(1,190)
MECHANICAL UTILITIES	LS			(1,490)
ENVIRONMENTAL MITIGATION	LS			(1,490)
DEMOLITION	LS			(380)
SUBTOTAL				31,640
CONTINGENCY (5%)				1,580
TOTAL CONTRACT COST				33,220
SIOH (6.2%)				2,060
SUBTOTAL				35,280
TOTAL REQUEST ROUNDED				35,280
TOTAL REQUEST				35,277

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813	4. Project Title
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	Submarine Production Support Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21365	P320	35,277

EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,365)

10. Description of Proposed Construction:

Located at Pearl Harbor Navy Ship Yard and Industrial Maintenence Facility, this project consolidates the nuclear support functions adjacent to the waterfront minimizing the handling of radioactive material and exposure of personnel to radiation. Consolidates production support functions into two newly converted facilities and a new addition to Buildings #9 and #9A.

Building #9 Nuclear Repair Shop is a three story reinforced concrete building built in 1913. The facility will be converted to accommodate nuclear mock-up training areas, classrooms and office spaces. Building #9A Nuclear Facility is a single story high bay building built in 1953. The project converts a portion of the facility and constructs a mezzanine to accommodate a flexible radiological controlled work area, a radiological material storage area, a loading area (with roll-up door access), three specialized work areas, seismic and wind resistant upgrades and re-roofing.

The new addition will include office spaces, general storage rooms, specialized work areas, a radiation health laboratory, a radiation material storage area, loading dock, and receiving and service window/access areas. Work will also include fire protection system, communication, information systems, interior and exterior infrastructure for electronic automated access control systems, air conditioning system with backup air conditioning system required for radiation health laboratory, and utilities.

Constructs an outdoor storage/loading area for shipping containers.

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 a bridge crane and supporting infrastructure.

Special costs include post construction contract award services, construction time lost to comply with personnel security procedures, increased traffic management, remote equipment laydown space, personnel ID checks and work stoppage due to emergency drills, temporary relocation of the shipyard safety fence, relocation of existing temporary facilities, and

security escorts.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special construction features include a pile supported reinforced concrete shield wall along the perimeter of the building, smooth, crack- and crevice-free reinforced concrete floor slab on grade for ease of cleaning, a special paint system for ease of decontamination, demolishing half and enclosing remaining portion of Building #8 and a sub-grade mat foundation.

Site preparations include removal and disposal of five temporary relocatable enclosures, demolition of concrete slabs and retaining walls, permanent modification of the controlled industrial area (CIA) fence, re-grading and repaving.

Special foundation features include piles and compacted fill materials.

Electrical utilities include a substation to serve the converted and new facilities, underground ductbanks and manholes.

Mechanical utilities include potable water, pure water, compressed air, sanitary sewer, storm water, and fire protection.

Environmental mitigation includes an active radon mitigation system, compliance with state and local law, permits and biological and archeological monitoring, environmental restoration, habitat conservation, premiums for environmentally caused delays, contaminated soil removal, testing for hazardous materials, replacement/reconfiguration of utility connections and other construction to support the modification of an existing groundwater oil recovery system. The project complies with the requirements set forth in the signed memorandum of agreement with the Hawaii State Historic Preservation Office to mitigate the affects the project has on the historic character of the area.

Demolition includes nuclear shop facility Buildings #213 (861 m2), #1274 (286 m2), #1384 (223 m2), #1409 (418 m2), #1418 (297 m2), #1454 (297 m2) and half of #8 (1166 m2).

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813	4. Project Title
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	Submarine Production Support Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21365	P320	35,277

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: 4,347 m2 **Adequate:** **Substandard:**

PROJECT:

Consolidates submarine production and maintenance support functions currently performed in eleven separate, inefficient and deteriorated facilities.

(Current Mission)

REQUIREMENT:

Provide a safe and secure facility to satisfy nuclear regulatory requirements associated with radiological controls. The facility will provide the required radiological shielding and comply with regulatory construction standards that minimize the potential release of radioactivity to the environment.

Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility's (PHNSY & IMF) mission is to provide depot-level maintenance and intermediate maintenance for 19 homeported nuclear-powered submarines and 12 surface combatants. A properly sized, configured and centrally located facility complying with current nuclear standards is required to efficiently and safely perform the nuclear level depot-level maintenance function for Los Angeles and Virginia Class submarines.

The project restores aging waterfront infrastructure nearing the end of its service life, reduces footprint, and consolidates functions to streamline processes for efficiency gains.

CURRENT SITUATION:

The nuclear functions at PHNSY & IMF are distributed amongst 11 facilities that are widely spaced, improperly configured and poorly designed to meet radiological regulatory requirements. Many of these facilities have significant technical deficiencies impairing their usefulness to include: excessive termite damage, rain water leaks, cracks in existing floor and wall structures, and are not designed to meet current destructive natural events (e.g., hurricanes, earthquakes). As a result, PHNSY & IMF has engineered workarounds, which are inefficient, restrict shipyard operations and increase the handling of radioactive material and personnel radiation exposure. This is evidenced in the decommissioning of Buildings #9 and #9A

for radiological work; restricting access to termite damaged areas in the radiation health building and installing temporary structures; limiting the use of Buildings #1274, #1384, and #1409 to storage of radiological material; and moving all radiological production work to Building #1766, which is over 2.5 miles away from the shipyard waterfront areas, increasing the handling of radioactive material and associated personnel exposure to radiation.

Currently Building #9A (former nuclear repair shop) was vacated in 1998 due to non-compliance with radiological regulatory requirements. In addition, Building #9A requires constant ventilation and monitoring to reduce radon gas build-up.

The Radiation Health Office currently in Building #213 houses approximately 30 health physicists and is a converted World War II building built in 1942. The second floor has severe termite damage and has been condemned for over 15 years. Radiation Health Division has currently expanded into three temporary enclosures attached to Building #213. The first floor is deteriorated and problematic. The ceilings and windows leak when it rains putting at risk expensive and sensitive laboratory equipment.

Buildings #1274, #1384, and #1409 are in the process of being disestablished as nuclear repair shops due to significant difficulties in maintaining the buildings in compliance with current safety, health, and radiological requirements to include rain leaks, cracked floors and walls; in radiological controlled areas as well as radiological deficiencies associated with structures not reinforced to meeting hurricanes and seismic standards.

Building #8 has been abandoned for over 20 years due to environmental hazards including asbestos, PCBs, animal infestation and lead paint.

IMPACT IF NOT PROVIDED:

Radiological work processes will continue to be inefficient requiring additional handling of radioactive material, increased risk of personnel exposure to radiation due to the fragmented work areas and existing deteriorated structures will be unabated.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	07/2008
(B) Date 35% Design or Parametric Cost Estimate complete	11/2008
(C) Date design completed	10/2013

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62813	4. Project Title
JBPHH PEARL HARBOR HI PEARL HARBOR, HAWAII	Submarine Production Support Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21365	P320	35,277

(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	15%
(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	$1,300
(B) All other design costs	$620
(C) Total	$1,920
(D) Contract	$0
(E) In-house	$1,920
4. Contract award:	02/2014
5. Construction start:	05/2014
6. Construction complete:	05/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
RADCON	OMN	2016	1,214
RCA Equipment	OMN	2016	46
RMSA Equipment	OMN	2016	11
Training Equipment	OMN	2016	94

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: 473-8000 ext 2946

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N00128	4. Command	5. Area Const Cost Index
GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS	Commander Navy Installations Command	1.32

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	617	3217	2432	0	4564	0	756	1635	0	13221
B. End FY 2017	671	3269	0	0	1205	0	756	1635	0	7536

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(1692 Acres)	
B. INVENTORY AS OF 30 SEP 2012	4,580,071
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	35,851
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	110,180
G. REMAINING DEFICIENCY	395,209
H. GRAND TOTAL	**5,121,311**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
72114	Unaccompanied Housing	09/2011	04/2014	15399 m2	35,851
				TOTAL	35,851

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
17120 Special Operations Prepatory Training Facility	63,120
72114 Bachelor Enlisted Quarters Recap 2	47,060
TOTAL	110,180
C. R&M Unfunded Requirement ($000):	693,841

10. Mission or Major Functions:

Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel at recruit Training Command Service School. Support commands include the Naval hospital and Dental Center, the Navy Band, Public Works and Seabee Construction Battalion Unit 401.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128	4. Project Title
GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS	Unaccompanied Housing

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203276N	72114	P714	35,851

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
UNACCOMPANIED HOUSING (165,753 SF)	m2	15,399		26,980
"A" SCHOOL UNACCOMPANIED HOUSING (165,753 SF)	m2	15,399	1,652.25	(25,440)
BUILT-IN EQUIPMENT	LS			(350)
SPECIAL COSTS	LS			(310)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(260)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(620)
SUPPORTING FACILITIES				4,190
PAVING AND SITE IMPROVEMENTS	LS			(740)
ELECTRICAL UTILITIES	LS			(50)
MECHANICAL UTILITIES	LS			(180)
DEMOLITION	LS			(3,220)
SUBTOTAL				31,170
CONTINGENCY (5%)				1,560
TOTAL CONTRACT COST				32,730
SIOH (5.7%)				1,870
SUBTOTAL				34,600
DESIGN/BUILD - DESIGN COST				1,250
TOTAL REQUEST ROUNDED				35,850
TOTAL REQUEST				35,851
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,475)

10. Description of Proposed Construction:

Constructs a multi-story masonry and concrete building with a sloped metal roof, heating, ventilation, air conditioning, fire protection sprinklers and alarms, data & telephone wiring, underground conduit, wiring, communication, and utilities. Project constructs 308 2+0 standard modules to accommodate up to 616 E1-E4 students. Each module contains a sleeping/living room with two beds and two closets, a bathroom and a service area. The facility includes core common areas, quarter deck, dayroom/multipurpose room, telephone room, storage, public toilets, vending/kitchen area, data server room and administrative office rooms. Despite berthing facility shortages on base, ongoing documented maintence issues have made the building unsuitable and inadequate.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128	4. Project Title
GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS	Unaccompanied Housing

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203276N	72114	P714	35,851

Special costs include post construction contract award services.

Demolition includes unaccompanied housing Buildings #534 (6,733 m2) and #131H (8,862 m2) because these facilities are unsuitable for further housing and beyond economical repair.

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.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Intended Grade Mix: E-1 to E-4 for a total of 616 PN A-School students
Maximum Utilization: 616 A-School students
Minimum Utilization: 616 A-School students

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: 15,399 m2 **Adequate:** **Substandard:**

PROJECT:

Constructs unaccompanied housing (UH) for initial skills training (IST) students and demolishes existing inadequate and deteriorated UH.

(Current Mission)

REQUIREMENT:

All support for IST students is required to be provided by NAVSTA Great Lakes since the Basic Military Training Continuum has strict guidelines for IST students and prohibits off-base activities in the first weeks of training. As such, IST students are required to be housed in on-base living quarters as their training builds upon the principles and guidelines learned as a recruit.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128	4. Project Title
GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS	Unaccompanied Housing

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203276N	72114	P714	35,851

NAVSTA Great Lakes has a deficit of nearly 4,000 adequate "A" school beds. This project is part of a series of projects to address this shortfall.

The replacement plan is phased to replace existing inadequate training and support facilities with modern, energy-efficient, and technologically enhanced facilities strategically located in a training-centric campus environment.

CURRENT SITUATION:

The existing buildings designated to be replaced are inadequate, in poor condition and expensive to maintain, and do not meet the current construction standard of 2+0 configuration with semi-private bathrooms. The buildings contain common gang heads, with deteriorated plumbing and sewer back-ups. They have inadequate electrical wiring, an inadequate fire alarm/protection system and do not have fire sprinkler systems as required by current code. The sleeping rooms contain approximately 72 square feet per person at the current loading of three persons (E1-E4) per room. In addition, the lack of adequate ventilation and HVAC systems results in poor study and sleeping conditions. These poor sleeping conditions result in students' fatigue and degrade quality of life and effectiveness of training. This degredation can contribute to setbacks and attrition, increasing the cost of training. Lack of overhead space prohibits installation of air conditioning and data lines for in-room computer network access. Poor living conditions in certain buildings contribute to a "double standard", where part of the initial skills student body resides in newer, more modern dormitories, while the balance of the student body resides in old, deteriorated, inadequate facilities that lack air conditioning.

IMPACT IF NOT PROVIDED:

The training mission and quality of service requirement will continue to be impacted. Students at NAVSTA Great Lakes will continue to be housed in quarters that do not meet standards and lack adequate fire protection. NAVSTA Great Lakes will continue to expend resources for maintenance and utilities for facilities that do not meet student requirements.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	09/2011
(B) Date 35% Design or Parametric Cost Estimate complete	03/2012
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128	4. Project Title
GREAT LAKES NAVAL STATION GREAT LAKES, ILLINOIS	Unaccompanied Housing

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203276N	72114	P714	35,851

(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	$1,740
(B) All other design costs	$580
(C) Total	$2,320
(D) Contract	$2,130
(E) In-house	$190
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	05/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	OMN	2016	1,475

C. FY 2012 R&M Conducted ($000):
D. FY 2013 R&M Conducted ($000):
E. Future R&M Requirements ($000):

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.

Activity POC: Project Development Lead Phone No: 847 688 5395 x 156

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N32446	4. Command	5. Area Const Cost Index
NSS PORTSMOUTH NAVY SHIPYARD CUTLER, MAINE	Commander Navy Installations Command	1.01

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	211	694	4903	0	22	0	72	587	0	6489
B. End FY 2017	221	751	0	0	22	0	87	612	0	1693

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(2933 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	107,809
C.	AUTHORIZATION NOT YET IN INVENTORY	27,750
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	13,800
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	0
H.	**GRAND TOTAL .....**	**149,359**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
81109	NCTAMS VLF Commercial Power Connection	06/2011	08/2013	0 LS	13,800
				TOTAL	13,800

9. Future Projects:

A. Included In The Following Program:	
B. Major Planned Next Three Years:	
C. R&M Unfunded Requirement ($000):	605,267

10. Mission or Major Functions:

Portsmouth Naval Shipyard's primary mission is the overhaul, repair and modernization of Los Angeles-class and Virginia-class submarines. Portsmouth Naval Shipyard provides the U.S. Navy's nuclear powered submarine fleet with quality overhaul work in a safe, timely and affordable manner. This includes a full spectrum of in-house support--from engineering services and production shops, to unique capabilities and facilities, to off-site support--all of which serves the multifaceted assortment of fleet requirements.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446(LF)	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD (NCTS CUTLER VLF AREA) CUTLER, MAINE	NCTAMS VLF Commercial Power Connection

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	81109	P308	13,800

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
NCTAMS VLF COMMERCIAL POWER CONNECTION	LS			8,400
VLF PWR PLT/DIESEL K.W.15000	EA	1	91,042	(90)
PROPERTY INTEREST	AC	4	105,000	(420)
34.5KV SUBMARINE CABLE WITH OPTICAL CABLE	m	10,702	678	(7,260)
SPECIAL COSTS	LS			(590)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(40)
SUPPORTING FACILITIES				4,040
SITE PREPARATIONS	LS			(10)
ELECTRICAL UTILITIES	LS			(4,030)
SUBTOTAL				12,440
CONTINGENCY (5%)				620
TOTAL CONTRACT COST				13,060
SIOH (5.7%)				740
SUBTOTAL				13,800
TOTAL REQUEST ROUNDED				13,800
TOTAL REQUEST				13,800

10. Description of Proposed Construction:

Constructs a dedicated, underwater, 34.5 kV submarine power transmission and fiber optic cable system between the utility provider-owned Buck's Harbor Substation and the Naval Computer and Telecommunications Area Master Station Atlantic, Detachment Cutler (NCTAMS LANT Det Cutler) Very Low Frequency (VLF) power plant.

Primary facilities include modifications to the existing power plant, installation of 34.5 kV three phase submarine cable, a submarine fiber optic cable, and construction of a substation at the power plant. The submarine cable has several layers of protection to protect in the marine environment. This includes strong armoring/sheating that protects the actual conductors, buried to three feet below grade and coordination with regulators to ensure transmission lines are mapped/delineated on nautical charts and are established as non-dredging/anchoring locations.

Special costs include post construction contract award services, permits

and electrical right-of-way costs. Real estate costs will include the authority for land acquisition or an easement on the Buck's Harbor side of Machias Bay to accommodate the transition from submarine cable to the utility provider's overhead service. The authority to acquire sufficient real estate interest includes the costs to acquire approximately 4 acres of land as well as sufficient real estate interest in approximately 10,702 linear meters of State owned submerged lands along the cable route.

Electrical utilities include expansion of the 34.5 kV bus at the Buck's Harbor Substation, establishment of a 34.5 kV terminal with a re-closer at the Buck's Harbor Substation, modifications to the overhead electrical distribution, reconfiguration of the antenna ground grid, installation of 34.5 kV primary metering and modifications to existing 4 kV switchgear. A static compensator will also be installed to protect the commercial power supply from the Navy's transmitter short circuit device.

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:

Provide a commercial power feed from an independently operated utility service to the NCTAMS LANT Det Cutler VLF site via a submarine power transmission cable. The existing power plant will be placed on hot standby to provide backup power in the event of failure of the commercially supplied power feed and supporting antenna ice melting operations.

(Current Mission)

REQUIREMENT:

NCTAMS LANT Det Cutler provides a year-round twenty-four hours per day, seven days a week highly reliable VLF broadcast link between high level U.S. Strategic Command (USSTRATCOM) authorities ashore and U.S. and NATO ships, planes and submarines operating at sea in the areas of broadcast coverage. The aging 50-year old diesel power plant complex provides the only primary and auxiliary electrical power supply supporting all activities at the VLF site, including the two million watt VLF ocean penetrating communication transmission and antenna de-icing operations. The electrical reliability requirement is on the magnitude of 99.98 percent availability. The power supply, supporting facility operations, is

required to be continuous and uninterrupted with a dedicated backup in the event of primary electrical supply loss. Project directly supports the mission by establishing an uninterrupted and redundant power supply.

The project will have a layered approach to energy security that will improve the sites current reliability including: minimal outage exposure of the overhead sub-transmission circuit by reducing the distance of those circuits from the site to the Investor Owned Utility (IOU) substation; reducing electrical outage exposure by connecting to an IOU substation that is located closer to the core of the IOU transmission system; increased security measures at the overhead to underground (undersea) demarcation point via land acquisition; utilizing an undersea cable versus overhead construction; the site will be the only customer on this circuit; the undersea construction will mitigate interference of the radio site on the electrical distribution system; the project will maintain the current generation capability to ensure reliable power during interruptions to the IOU system; the generation equipment will be modified to allow instant start-up in the event of a power interruption.

CURRENT SITUATION:

The NCTAMS LANT Det Cutler facility is located in a remote area on Sprague Neck Peninsula in Machias Bay, Cutler, Maine. The facility was constructed in the late 1950's and commissioned in 1961. The facility is supported by a fully dedicated, continuous duty power plant located along the western shore of the station. The power plant consists of four 3.00 MW and one 2.75 MW generators serving a lineup of original 4.16 kV double-bus / double-breaker switchgear. The majority of the facility power is distributed at 4.16 kV, with the exception of the antenna deicing which is 43.8 kV. The normal operating mode for basic operations is one generator online and two other units in hot standby. The other units are typically in cold standby or down for maintenance. Of the five available units, only the newer, 3.00 MW units are rotated in and out of service. The 2.75 MW unit is always in cold standby. However, all generators, having in excess of 75,000 hours of service, require additional inspections due to documented manufacturers concerns. These units have increasing operation and maintenance costs due to equipment failure and declining replacement part support. The existing switchgear serves as the main distribution point for the NCTAMS LANT Det Cutler facility. The loads at the facility consist of the power plant, the transmitter building and the two helix towers.

Currently, NCTAMS LANT Det Cutler does not have power supply redundancy beyond the capacity produced on site. This places the activity at

substantial risk of power failure due to the aging power generation infrastructure and increasing reliability concerns.

IMPACT IF NOT PROVIDED:

With no secondary commercial source of power, loss of communication between ashore fleet command and deployed fleet combatants will be experienced for extended durations if power feed reliability continues to decrease without a significant reinvestment into the aging electrical generation infrastructure. Maintenance costs will continue to increase due to aging equipment and repairs, operation costs will remain coupled to escalating and volatile fuel oil prices, plant generated diesel emissions will remain steady, and without the addition of a commercial power feed, the station will be unable to reconfigure the existing power plant to provide a robust standby power supply critical to mission requirements and execution.

This project will reduce fuel consumption to nearly one percent of present-day operations resulting in a dramatic decrease in emissions. Through the use of public utility interconnection and placement of the existing generators on hot standby mode, there will be a reduction in runtime, routine power plant operation and maintenance. In total, this project will have a net savings of $2.89M/year, assuming $1.9M/year in purchased power costs with no increase in existing demand loads.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	06/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	50%
(E) Percent completed as of January 2013	65%
(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	Not applicable
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$930
(B) All other design costs	$330
(C) Total	$1,260
(D) Contract	$350
(E) In-house	$910

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446(LF)	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD (NCTS CUTLER VLF AREA) CUTLER, MAINE	NCTAMS VLF Commercial Power Connection

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	81109	P308	13,800

4. Contract award: 03/2014
5. Construction start: 04/2014
6. Construction complete: 10/2015

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Project Development Lead Phone No: (207) 438-5298

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446(LF)	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD (NCTS CUTLER VLF AREA) CUTLER, MAINE	NCTAMS VLF Commercial Power Connection

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712776N	81109	P308	13,800

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N32446	4. Command	5. Area Const Cost Index
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	Commander Navy Installations Command	1.14

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	211	694	4903	0	22	0	72	587	0	6489
B. End FY 2017	221	751	0	0	22	0	87	612	0	1693

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(309 Acres)	
B. INVENTORY AS OF 30 SEP 2012	1,497,544
C. AUTHORIZATION NOT YET IN INVENTORY	27,750
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,522
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,895
F. PLANNED IN NEXT THREE PROGRAM YEARS	24,740
G. REMAINING DEFICIENCY	152,675
H. GRAND TOTAL	**1,728,126**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21343	Structural Shops Consolidation	05/2012	12/2013	7707 m2	11,522
				TOTAL	11,522

9. Future Projects:

A. Included In The Following Program:

72111	Unaccompanied Housing	13,895
	TOTAL	13,895

B. Major Planned Next Three Years:

21370	Berth 11/13 Waterfront Support Facility	15,210
21344	Structural Shops Consolidation, Phase 2	9,530
	TOTAL	24,740

C. R&M Unfunded Requirement ($000): 605,267

10. Mission or Major Functions:

Portsmouth Naval Shipyard's primary mission is the overhaul, repair and modernization of Los Angeles-class and Virginia-class submarines. Portsmouth Naval Shipyard provides the U.S. Navy's nuclear powered submarine fleet with quality overhaul work in a safe, timely and affordable manner. This includes a full spectrum of in-house support--from engineering services and production shops, to unique capabilities and facilities, to off-site support--all of which serves the multifaceted assortment of fleet requirements.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	Structural Shops Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21343	P266	11,522

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
STRUCTURAL SHOPS CONSOLIDATION (82,957 SF)	m2	7,706.92		8,090
FORGE AND HEAT TREAT SHOP (29,181 SF)(RENOVATE)	m2	2,711	713.84	(1,940)
B75 MEZZANINE (5,200 SF)	m2	483.1	1,417.74	(680)
B76 ADDITION (13,832 SF)	m2	1,285	1,976.17	(2,540)
SHEET METAL SHOP (34,744 SF)(RENOVATE)	m2	3,227.82	419.8	(1,360)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(470)
BUILT-IN EQUIPMENT	LS			(560)
SPECIAL COSTS	LS			(300)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(80)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(160)
SUPPORTING FACILITIES				2,290
SPECIAL CONSTRUCTION FEATURES	LS			(90)
SPECIAL FOUNDATION FEATURES	LS			(320)
PAVING AND SITE IMPROVEMENTS	LS			(200)
ELECTRICAL UTILITIES	LS			(40)
ENVIRONMENTAL MITIGATION	LS			(90)
DEMOLITION	LS			(1,550)
SUBTOTAL				10,380
CONTINGENCY (5%)				520
TOTAL CONTRACT COST				10,900
SIOH (5.7%)				620
SUBTOTAL				11,520
TOTAL REQUEST ROUNDED				11,520
TOTAL REQUEST				11,522
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,344)

10. Description of Proposed Construction:

This project consolidates Structural and Pipe Fitting Shop operations currently located throughout Portsmouth Naval Shipyard.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	Structural Shops Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21343	P266	11,522

The current work area in Building 75 devoted to Sheet Metal functions is 3,228 m2 (34,744 SF), and will be consolidated into Building 76 with the Heat-treat Shop, 3,480.8 m2 (37,467 SF). A 1,285 m2 (13,832 SF) addition will be constructed to Building 76. The Pipe Fitting Shop will be consolidated from Building 155, 4,025.95 m2 (43,335 SF) to Building 75 with an expanded mezzanine, 483.1 m2 (5,200 SF). Building 155 will be vacated and demolished to facilitate more efficient use of Dry Dock #1 and the flat-iron pier.

The new addition will be constructed in the center of Building 76 and will include shop space, personnel support areas and storage. A racking storage system will be installed in Building 76 to support the material storage requirements of the Sheet Metal shop. A passenger elevator will be installed to provide access to the second floor offices and support spaces. The new mezzanine in Building 75 will provide offices, support spaces and training areas. The existing west lean-tos will be reconstructed with increased height to accommodate vertical storage systems. A passenger elevator will be installed in Building 75 to provide access to mezzanine level offices and training spaces.

Repair and modernization of Buildings 76 and 75 will be comprised of exterior window, masonry, and roof repairs as well as mechanical and electrical upgrades and interior renovation. Repairs will be completed in accordance with the Secretary of Interior's Standards for Treatment of Historic Properties. New make-up air systems will be installed separating industrial and administrative functions. Existing office HVAC will be upgraded with more efficient variable refrigerant systems. Industrial ventilation will be upgraded to satisfy process requirements and maximize heat recovery.

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 two elevators (two stops each) and ventilation equipment.

Special costs include phasing costs and post construction award services.

Operations and maintenance support information is included in the project.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	Structural Shops Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21343	P266	11,522

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate. Consolidation and modernization of these facilities will lead to an overall energy reduction in consumption of the four facilities in this project by 23,087 MBTU per year, resulting in a 55 percent reduction from current energy use of these facilities.

Special construction features include hazardous material demolition and disposal.

Special foundation features include equipment foundations and pile foundations.

Paving and site improvements include demolition of asphalt, existing Controlled Industrial Area (CIA) fence and turnstiles relocation to accommodate transfer of material from Building 76, excavation for building 76, sufficient fill to bring up to grade the basement of building 46 after it is demolished, and new foundations for relocation of equipment in Building 76.

Electrical utilities include electrical distribution for gate and turnstile, and renovate the existing electrical systems as needed.

Environmental mitigation includes building recordation and archaeology.

The project will demolish buildings: #46, Shredder Building, at 287 m2 (3,088 SF); #155, Pipe fitting Shop, at 4,025.95 m2 (43,335 SF), a portion of #76, Forge and Heat-treat Shop, at 497.3 m2 (5,353 SF), and the south lean-tos of #75, Sheet Metal Shop, at 318.29 m2 (3,426 SF).

The total area to be demolished as part of the structural shop consolidation is 200% of the area to be provided by new construction (55,202 SF/19,032 SF), resulting in a 2:1 reduction in footprint.

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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	Structural Shops Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21343	P266	11,522

efficiency.

11. Requirement: 3,797 m2 **Adequate:** **Substandard:**

PROJECT:

This project consolidates Structural Shop operations into one location through the construction of an addition to the existing steel fabrication facility. The Pipe Fitting Shop will be consolidated adjacent to Radiography in Building 45, as well as within close proximity to valve and pipe disassembly/reassembly in Building 174. The consolidation of these shops reduces the distance of between-building moves and promotes productivity with more efficient equipment layout and work processes.

The project will decrease overall footprint and reduce Portsmouth Naval Shipyard's overall consumption of energy by incorporating modern more efficient technologies into the existing facility infrastructure. The project supports a 2:1 footprint reduction by demolishing Buildings 155 and 46 resulting in annual sustainment and energy savings.

(Current Mission)

REQUIREMENT:

Portsmouth Naval Shipyard is a full service Navy depot facility responsible for the highly complex overhaul, repair, modernization, and reactor servicing of nuclear submarines. Portsmouth Naval Shipyard is the only East Coast maintenance depot for VA Class submarines. The new consolidated facilities will provide modern day efficiency into the structural shop that will become the corporate model for all Naval Shipyards. Adequate and efficiently configured facilities are required for all portions of the Structural Shop, including sheet metal work and pipe fitting. The Structural Shop is a Department of Defense core industrial capability required by Congress to comply with the statutory requirement of Title 10 USC §2464. In maintaining this core capability, the government is able to perform work on any naval assets and ensure effective and timely response to national defense contingency situations. The current assignment of Fleet maintenance work projected through the Future Years Defense Program (FYDP) demonstrates the continuing requirement for this core capability and the critical need for this project.

This project will help close a capability gap identified in the SECNAV signed Shipyard Business Plan through the consolidation of steel fabrication and is fully aligned with shore infrastructure planning under the Navy Ashore Vision (NAV2035) for work spaces and work areas that

promote efficient operations for repairing, maintaining and modifying submarines at the Shipyard.

CURRENT SITUATION:

The Structural Shop's sheet metal functions are located primarily in two buildings with material storage scattered throughout the Shipyard. The majority of the operations occur within Building 75, which is a contributing resource to the historic district.

Structural Shop Capabilities: The internal configuration/capabilities of the sheet metal shop buildings present significant problems. The facilities were designed and configured to old production standards and practices dating back to World War II and before. The structural shops were originally designed for submarine construction not submarine repair. The locations and configurations of the structural shops contribute to inefficiencies that require multiple moves and rework necessary to complete repair work on modern day submarines. The current configuration impacts the Shipyard's ability to meet mission requirements by increasing the boat's time in drydock and contributing to increased costs annually associated with excess overtime and borrowed labor. Delays are incurred by scheduling, movement and integration of the work into the receiving shops workload, and then returning product to the sending shop. An estimated twenty to twenty-five days at each dry dock annually are associated with this situation.

a. Work Passing From Building-to-Building Situation. The Sheet Metal Shop in Building 75 lacks sufficient staging area for scheduled work, and completed work waiting delivery. Submarine lockers, storage cabinets and ventilation ducts are the first things to be removed from the boat and among the last to be reinstalled. Rather than being delivered directly to the Sheet Metal Shop, these items are staged at various places around the Shipyard due to this constraint. This situation results in multiple handling of the items, risks loss and damage, and thus causes significant amounts of otherwise unnecessary work and rework. Currently, nuclear and non-nuclear piping and valves move between multiple buildings within and out of the CIA for different processes. Once consolidated in Building 75, the distance of between-building moves for all nuclear and non-nuclear material will be reduced. All pipe/valve material must travel to be x-rayed in Building 45. Additionally, all material is disassembled and reassembled in Building 174 before and after work in the Pipe Fitting Shop. As part of the consolidation, The Pipe Fitting Shop will be relocated to be in closer proximity to Building 174. The transfer of non-nuclear material from the Pipe Fitting Shop to Building 300 for prep and fitting

will be eliminated with the relocation of equipment to Building 75.

b. Work Flow With-in Shop Situations. Utilizing a Lean Manufacturing approach, the in-shop distances over which work has to travel is minimized. This is accomplished by physically aligning equipment and staging areas to facilitate the process flow, reducing length and cycle time in all work areas by 60 percent.

Buildings 155, 46, 75 and 76 are historic buildings with deteriorated, inefficient and inadequate building envelope, heating and ventilation systems. Electrical distribution is inadequate to support industrial processes within each facility. As a result, excessive energy consumption increases Navy total ownership cost.

IMPACT IF NOT PROVIDED:

The Structural Shop will be constrained in its efforts to contribute to the Shipyard's commitment to the schedule/cost requirements of 18 months for Engineering Overhauls (EOH) assigned to Portsmouth Naval Shipyard. Portsmouth Naval Shipyard will be unable to support Navy's Infrastructure Reduction Goals which mandate reducing excess facilities or reusing facilities for more appropriate functions.

Process improvements, which will save substantial time in submarine overhauls and free up the dry docks for other repairs, will not come to fruition. New equipment purchased to replace current obsolete or inoperative equipment will not be installed according to the optimal process flow.

The return of the boats to the Fleet early will not be attainable. Without implementation of this project, $2,150,000 in productivity improvements (based on a savings of five mandays per year in dry dock availability) and $345,915 in annual sustainment and facility service contracts will not be realized.

Energy consumption will not be reduced as a result of demolition of two buildings and energy improvements for two other facilities will not be realized. Reduction in Sustainment, Restoration and Modernization backlog as well as underutilized and excess footprint will not be achieved, and the Navy's total ownership cost will continue to escalate.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	Structural Shops Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21343	P266	11,522

(A) Date design or Parametric Cost Estimate started	05/2012
(B) Date 35% Design or Parametric Cost Estimate complete	06/2012
(C) Date design completed	12/2013
(D) Percent completed as of September 2012	10%
(E) Percent completed as of January 2013	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	$750
(B) All other design costs	$650
(C) Total	$1,400
(D) Contract	$1,200
(E) In-house	$200
4. Contract award:	04/2014
5. Construction start:	05/2014
6. Construction complete:	02/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Equipment moves	OMN	2014	1,120
FF&E	OMN	2015	1,040
Shear	OMN	2015	184

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: (207) 438-4607

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32446	4. Project Title
NSS PORTSMOUTH NAVY SHIPYARD KITTERY, MAINE	Structural Shops Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21343	P266	11,522

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N61152	4. Command	5. Area Const Cost Index
NAVSUPPACT ANNAPOLIS FORT MEADE, MARYLAND	Commandant of the Marine Corps	0

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	96	302	1262	0	0	0	0	0	0	1660
B. End FY 2017	89	271	2	0	0	0	0	0	0	362

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(Acres)	
B. INVENTORY AS OF 30 SEP 2012	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	83,988
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	**83,988**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
13165	MARFORCYBERCOM HQ Ops Building	11/2011	05/2014	28722 m2	83,988
				TOTAL	83,988

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:

The Marine Corps Forces Cyberspace Command (MARFORCYBER) is one of four service components of the joint U.S. Cyber Command (USCYBERCOM). CYBERCOM's mission is to plan, coordinate, integrate, synchronize and conduct activities to direct the operations and defense of specified Department of Defense [DoD] information networks and prepare to conduct full spectrum military cyberspace operations in order to enable actions in all domains, ensure U.S./Allied freedom of action in cyberspace and deny the same to our adversaries. The Marine Corps conducts activities that satisfy National Security Agency/Central Security Service, Marine Air-Ground Task Force, and joint force intelligence requirements.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*): 0

B. Occupational Safety and Health(OSH)(#): 0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61152(FM)	4. Project Title
NAVSUPPACT ANNAPOLIS (FORT GEORGE G MEADE) FORT MEADE, MARYLAND	MARFORCYBERCOM HQ-OPS Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13165	P001	83,988

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MARFORCYBERCOM HQ-OPS BUILDING (309,160 SF)	m2	28,721.9		68,640
MARFORCYBERCOM HEADQUARTERS (145,493 SF)	m2	13,516.74	3,404.36	(46,020)
PARKING FACILITY (151,000 SF)	m2	14,028.36	532.6	(7,470)
CONNECTOR SPINE (12,667 SF)	m2	1,176.8	1,754.98	(2,070)
INFORMATION SYSTEMS	LS			(2,630)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(1,640)
BUILT-IN EQUIPMENT	LS			(6,620)
SPECIAL COSTS	LS			(870)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(670)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(650)
SUPPORTING FACILITIES				4,410
SITE PREPARATIONS	LS			(550)
PAVING AND SITE IMPROVEMENTS	LS			(1,470)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
ELECTRICAL UTILITIES	LS			(1,580)
MECHANICAL UTILITIES	LS			(710)
ENVIRONMENTAL MITIGATION	LS			(30)
SUBTOTAL				73,050
CONTINGENCY (5%)				3,650
TOTAL CONTRACT COST				76,700
SIOH (5.7%)				4,370
SUBTOTAL				81,070
DESIGN/BUILD - DESIGN COST				2,920
TOTAL REQUEST ROUNDED				83,990
TOTAL REQUEST				83,988
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(35,558)

10. Description of Proposed Construction:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61152(FM)	4. Project Title
NAVSUPPACT ANNAPOLIS (FORT GEORGE G MEADE) FORT MEADE, MARYLAND	MARFORCYBERCOM HQ-OPS Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13165	P001	83,988

Construct a multi-story facility with spread footing and grade beam foundation system with cast-in-place concrete beam and slab frame system, sensitive compartmented information facility (SCIF) to provide a command headquarters and cyberspace intelligence operations building for the Marine Forces Cyber Command (MARFORCYBERCOM). The facility will be constructed with a combination of high performance glass curtain wall, metal panel and granite exterior to be consistent with the National Security Agency (NSA) installation design guide and surrounding structures with a low-sloping concrete deck roof system. The building will include a full basement designed to resist lateral earth pressures.

Construct a multi-level, parking facility with approximately 420 spaces that will be an addition to the existing parking facility and an at-grade, low-rise connector spine to provide a secure pedestrian corridor between buildings within the campus as required by the National Security Agency Campus Master Plan.

Information systems consist of basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure, address system infrastructure, a closed circuit television surveillance system infrastructure (for the building, fenceline and parking facility), access control system infrastructure for the building and connector spine, secured and unsecured workstations and video teleconference system 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 a diesel generator with air pollution control system, a classified waste chute system, fire suppression system, a fire pump, a loading dock, an uninterruptible power supply (UPS), passenger elevators for the building and the parking facility, a passenger/freight elevator, and raised flooring.

Special costs include post construction contract award services, geospatial survey and mapping and a SCIF premium cost for the special technical operations space.

Operation and maintenance support information is included in this project.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61152(FM)	4. Project Title
NAVSUPPACT ANNAPOLIS (FORT GEORGE G MEADE) FORT MEADE, MARYLAND	MARFORCYBERCOM HQ-OPS Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13165	P001	83,988

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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.

Paving and site improvements include roadway improvements, curbs, sidewalks, landscaping, fencing and storm-water drainage.

Electrical utilities include primary and secondary distribution systems, lighting, transformers and telecommunications infrastructure.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines. Mechanical utilities also includes natural gas distribution lines.

Environmental mitigation will be required.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities 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: 43,926 m2 **Adequate:** 3,504 m2 **Substandard:**

PROJECT:

Construct a new facility to support MARFORCYBERCOM headquarters and operations functions while co-locating MARFORCYBERCOM cyberspace intelligence operations with the Marine Cryptologic Support Battalion and NSA cyber missions located at the Integrated Cyber Center at Fort Meade.

(New Mission)

REQUIREMENT:

Properly sized and efficiently configured facilities are needed to accommodate the expanding MARFORCYBERCOM mission within the United States Cyber Command (USCYBERCOM). The facilities are required to accommodate current and new programs to combat continuous and growing cyber threats.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61152(FM)	4. Project Title
NAVSUPPACT ANNAPOLIS (FORT GEORGE G MEADE) FORT MEADE, MARYLAND	MARFORCYBERCOM HQ-OPS Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13165	P001	83,988

CURRENT SITUATION:

MARFORCYBERCOM is currently located in an off-site leased facility shared by multiple nongovernment tenants approximately 12 miles from the NSA Campus on Fort Meade. This space is at full capacity and cannot provide adequate ATFP measures such as barrier plans, blast-standoffs, vehicle control and inspection points. The geographic separation between the current site and Fort Meade causes productivity losses, necessitates additional travel and reduces shared knowledge and collaboration among the other cyber agencies. Additionally, the leased space cannot accommodate planned personnel growth at MARFORCYBERCOM through FY2017.

IMPACT IF NOT PROVIDED:

Failure to construct this project will result in continued reduced operational readiness, degraded force protection and security posture of MARFORCYBERCOM. This will necessitate the expansion of costly renovations of leased spaces in order to apply ATFP measures. The leased spaces will not address synchronization, integration and operation degradation in support of USCYBERCOM missions. Additional secure leased space could not be found to accommodate planned growth at MARFORCYBERCOM.

12. Supplemental Data:

A. Estimated Design Data:	
1. Status:	
(A) Date design or Parametric Cost Estimate started	11/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$2,670
(B) All other design costs	$890
(C) Total	$3,560
(D) Contract	$3,270
(E) In-house	$290
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	05/2016

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61152(FM)	4. Project Title
NAVSUPPACT ANNAPOLIS (FORT GEORGE G MEADE) FORT MEADE, MARYLAND	MARFORCYBERCOM HQ-OPS Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13165	P001	83,988

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Cable Infrastructure	PMC	2015	5,419
Distributed Computing	PMC	2015	4,294
Electronic Security Systems	PMC	2015	3,200
Furniture and Furnishings	O&MMC	2015	3,657
Laboratory Equipment	PMC	2015	1,200
Multimedia Systems	PMC	2015	5,324
Network Hardware	PMC	2015	6,200
Remote Operations Center (ROC) IT Equipment	PMC	2015	5,000
Secure Telephone Units	PMC	2015	1,264

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: (410)302-8543

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61152(FM)	4. Project Title
NAVSUPPACT ANNAPOLIS (FORT GEORGE G MEADE) FORT MEADE, MARYLAND	MARFORCYBERCOM HQ-OPS Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13165	P001	83,988

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N60495	4. Command	5. Area Const Cost Index
NAS FALLON NV FALLON, NEVADA	Commander Navy Installations Command	1.14

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	185	798	185	0	0	0	448	1287	0	2903
B. End FY 2017	194	803	0	0	0	0	448	1287	0	2732

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(246683 Acres)	
B. INVENTORY AS OF 30 SEP 2012	1,283,724
C. AUTHORIZATION NOT YET IN INVENTORY	10,670
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,334
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,281
F. PLANNED IN NEXT THREE PROGRAM YEARS	30,720
G. REMAINING DEFICIENCY	229,161
H. GRAND TOTAL	**1,569,890**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
83110	Wastewater Treatment Plant	04/2012	08/2013	0 LS	11,334
				TOTAL	11,334

9. Future Projects:

A. Included In The Following Program:	
17120 Weapons School Addition, NSAWC	4,281
TOTAL	4,281
B. Major Planned Next Three Years:	
17120 Integrated Air Wing Training Facility	30,720
TOTAL	30,720
C. R&M Unfunded Requirement ($000):	315,550

10. Mission or Major Functions:

NAS Fallon and the Fallon Range Training Complex are the Navy's premier integrated strike warfare training facilities supporting present and emerging National Defense requirements. The mission is to support carrier air wings preparing to deploy; and other units participating in training events, including joint and multinational training and exercises.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60495	4. Project Title
NAS FALLON NV FALLON, NEVADA	Wastewater Treatment Plant

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702776N	83110	P393	11,334

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WASTEWATER TREATMENT PLANT	LS			6,630
OPERATIONS BUILDING (4,607 SF)	m2	428	2,034.4	(870)
WASTEWATER TREATMENT PLANT	KG	750	7,201.82	(5,400)
SPECIAL COSTS	LS			(70)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(100)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(190)
SUPPORTING FACILITIES				3,590
SPECIAL CONSTRUCTION FEATURES	LS			(440)
SITE PREPARATIONS	LS			(80)
SPECIAL FOUNDATION FEATURES	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(240)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
ELECTRICAL UTILITIES	LS			(280)
MECHANICAL UTILITIES	LS			(220)
ENVIRONMENTAL MITIGATION	LS			(220)
DEMOLITION	LS			(700)
DISPOSAL OF ACCUMULATED BIOSOLIDS	LS			(1,310)
SUBTOTAL				10,220
CONTINGENCY (5%)				510
TOTAL CONTRACT COST				10,730
SIOH (5.7%)				610
SUBTOTAL				11,340
TOTAL REQUEST ROUNDED				11,340
TOTAL REQUEST				11,334

10. Description of Proposed Construction:

Replaces the existing secondary wastewater treatment plant (WWTP) and associated operations building at Naval Air Station (NAS) Fallon with a tertiary treatment WWTP. Primary functions of the plant will be biological oxygen demand (BOD) removal, nitrification and de-nitrification. The project will also provide built-in redundancy that will provide the ability to maintain major components and to scale operations for energy savings

based on influent flow and base population. All necessary pumps, piping and control equipment shall be provided for a complete and usable system. The capacity of the sewage treatment plant shall be 0.75 MGD (million gallons per day) as authorized on the existing wastewater treatment permit from the State of Nevada. Includes removal of existing biosolids accumulation in the WWTP drying beds as directed by the state of Nevada.

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.

Operations and Maintenance Support Information (OMSI) is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Demolition includes Buildings #129 (30 m2), #130 (44 m2) and #134 (198 m2) and tanks #135 (6 m2), #136 (221 m2) and #137 (221 m2).

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities 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: 750 KG **Adequate:** **Substandard:**

PROJECT:

The project replaces the existing WWTP through the addition of a continuous-flow treatment system that will utilize treatment reactors for carbonaceous BOD removal, nitrification and then de-nitrification. New headworks (including influent pumps and screening systems), an equalization basin, clarifier(s), an aerobic sludge digester system for sludge treatment, followed by six sludge drying beds are also required.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60495	4. Project Title
NAS FALLON NV FALLON, NEVADA	Wastewater Treatment Plant

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702776N	83110	P393	11,334

(Current Mission)

REQUIREMENT:

Replacement of the current plant is required to meet all new National Pollutant Discharge Elimination System (NPDES) permit requirements and provide for proper sludge treatment.

A timeline was argeed upon between Commander Navy Region Southwest and the State of Nevada to comply with the research, funding, design and implementation of a new treatment facility. This agreement states that compliance shall be attained by 2016.

The NPDES permit requires that biosolids not be stored at any facility for over two years from the time they are generated. Currently, biosolids at NAS Fallon have been accumulating in the treatment plant lagoons and ponds since they were constructed in the 1950s.

CURRENT SITUATION:

The ponds and drying beds were not originally constructed to digest treated wastewater and store sludge. As boron naturally exists in the groundwater at NAS Fallon, the ability to compost this sludge is limited. Therefore, the sludge cannot be reused and must be properly removed and disposed. The integrity of the existing clay liners in these ponds is insufficient for this purpose. Furthermore, the dry sludge in these beds has been stored in excess of two years. A plan to remove the biosolids every two years is required by the NPDES permit.

NAS Fallon has had several violations of their WWTP permit issued on 22 June 2007. If this continues, there is a potential for NAS Fallon to receive a Notice of Violation (NOV) or Compliance Order from the state of Nevada to fix this problem. Nitrogen discharge compliance is particularly exacerbated by colder ambient temperatures in the winter and spring; there is not enough capacity to maintain the optimum retention time in the reactors for nitrification during cold weather. Additionally, influent BOD varies due to visiting personnel aboard the base for training, which occurs approximately six to eight times per year and doubles the population of the base from approximately 1,200 to 2,800. Temperatures fluctuate as much as 50 degrees per day, and down to zero in the winter.

IMPACT IF NOT PROVIDED:

If replacement of the existing WWTP at NAS Fallon is not completed, the installation continues to risk potential contamination of the environment, exposure of personnel and violation of the NPDES permit. There is a potential for NAS Fallon to receive a NOV/Compliance Order from the state of Nevada to fix this problem. Without the recommended upgrade to the

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60495	4. Project Title
NAS FALLON NV FALLON, NEVADA	Wastewater Treatment Plant

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702776N	83110	P393	11,334

system, it is unlikely that NAS Fallon will be able to operate within permit parameters in the future. The Navy signed an Administrative Order of Consent with the Nevada Division of Environmental Protection in August 2009 which commits the Navy to a compliance schedule.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	04/2012
(B) Date 35% Design or Parametric Cost Estimate complete	11/2012
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	15%
(E) Percent completed as of January 2013	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	Yes
(B) Where design was previously used	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$230
(B) All other design costs	$175
(C) Total	$405
(D) Contract	$270
(E) In-house	$135
4. Contract award:	04/2014
5. Construction start:	05/2014
6. Construction complete:	06/2016

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: 775-426-3277

1. Component NAVY	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. Date 31 MAR 2013
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 .98

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	4107	44686	4197	1835	38471	177	0	0	59807	153280
B. End FY 2017	3562	37145	4208	1634	35293	132	0	0	59807	141781

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(132637 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	8,775,282
C.	AUTHORIZATION NOT YET IN INVENTORY	2,134,056
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	123,862
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	97,747
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	2,181,015
H.	**GRAND TOTAL .....**	**13,311,962**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
17120	Operations Training Complex	09/2012	08/2013	4942 m2	22,515
83315	Landfill, Phase 4	04/2012	06/2013	25 AC	20,795
82222	Steam Plant Decentralization, Camp Johnson	08/2012	03/2014	146 m2	2,620
82222	Steam Plant Decentralization, Hadnot Point	08/2012	04/2014	827 m2	13,390
82222	Steam Plant Decentralization, BEQ Nodes	08/2012	04/2014	1918 m2	18,679
21103	Corrosion Control Hangar	01/2012	04/2014	4601 m2	12,547
17120	CH-53K Maintenance Training Facility	09/2012	08/2013	3578 m2	13,218
13117	Regional Communication Station	06/2012	08/2013	1890 m2	20,098
				TOTAL	123,862

9. Future Projects:

A. Included In The Following Program:

61072	2nd Radio Battalion Complex	47,310
17135	Simulator Center & Range Control Building	39,917
14345	Armory	10,520
	TOTAL	97,747

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 183,817

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

1. Component NAVY	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date 31 MAR 2013
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 .98

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. Additionally, the installation supports and enhances the combat readiness of 2nd Marine Aircraft Wing unis.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Operations Training Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	17120	P1349	22,515

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
OPERATIONS TRAINING COMPLEX (53,195 SF)	m2	4,942		10,540
EMBASSY TRAINING FACILITY (48,922 SF)	m2	4,545	1,847.58	(8,400)
RANGE HEAD FACILITY (3,014 SF)	m2	280	903	(250)
DECONTAMINATION FACILITY (1,259 SF)	m2	117	1,447.23	(170)
INFORMATION SYSTEMS	LS			(40)
BUILT-IN EQUIPMENT	LS			(1,070)
SPECIAL COSTS	LS			(210)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(100)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(300)
SUPPORTING FACILITIES				9,750
PAVEMENT FACILITIES	LS			(10)
SITE PREPARATIONS	LS			(240)
SPECIAL FOUNDATION FEATURES	LS			(820)
PAVING AND SITE IMPROVEMENTS	LS			(4,320)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
ELECTRICAL UTILITIES	LS			(2,380)
MECHANICAL UTILITIES	LS			(800)
ENVIRONMENTAL MITIGATION	LS			(160)
DEMOLITION	LS			(970)
SUBTOTAL				20,290
CONTINGENCY (5%)				1,010
TOTAL CONTRACT COST				21,300
SIOH (5.7%)				1,210
SUBTOTAL				22,510
TOTAL REQUEST ROUNDED				22,510
TOTAL REQUEST				22,515
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,385)

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Operations Training Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	17120	P1349	22,515

10. Description of Proposed Construction:

Construct a multi-story building which includes a Headquarters, a Tactical Exercise Control Group center, weapons storage and instructor spaces and simulated Entry Point and Embassy Offices. Construction to include pile foundation with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete floors, and a combination standing seam metal and structural roof system to support rooftop training. The building requires a hardened exterior shell, which can be used for repelling and training purposes, space constructed as a sensitive compartmented information facility (SCIF), and a passenger/freight elevator. Construction also includes two separate single story buildings with interior concrete masonry unit walls on pile foundations with structural steel framing, reinforced masonry walls, brick veneer, reinforced concrete foundation and floors, and standing seam metal roofs. Building architecture should be Georgian in classification, as defined by the Exterior Architecture Plan (BEAP) for Stone Bay. The overall level of architectural detail shall correlate to the importance of the building type.

Information systems include telephone, data, local area network, voice and data communication, public address, cable television network, intrusion detection systems 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 mitigations in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.

Built-in equipment includes one Passenger/Freight elevator, emergency generator, fire pump, domestic water booster pump, raised computer flooring, compressed air system, Class V vault doors, weapons cleaning tables, underfloor fire suppression system and a fire alarm.

Special costs include post construction award services and geospatial data survey and mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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 clearing and grubbing, earthwork, fill and grading.

Special foundation features include a pile supported foundation and a passive vapor barrier system.

Paving and site improvements include grading, parking for approximately 960 vehicles, roadways, road and parallel running trail realignment, curbs, sidewalks, stormwater management, environmental protection measures, landscaping, building and roadway signage and security fencing.

Electrical utilities include primary and secondary electrical distribution systems, lighting, outside area lighting, transformers, unit substation, common bank, and telecommunications infrastructure.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, natural gas distribution, fire protection systems, and supply lines.

Environmental mitigation will include wetlands mitigation.

This project includes the demolition of the following buildings: #RR192 (182m2), #RR193 (182m2), #RR194 (163m2), #RR195 (182m2), #RR196 (182m2), #RR202 (301m2), #RR203 (301m2), #RR204 (301m2), #RR205 (301m2), #RR210 (301m2), #RR238 (371m2), #RR239 (371m2) and #SRR249D (111m2).

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: 4,942 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Replaces existing training facilities for II Marine Expeditionary Force (MEF) and consolidates into an adequately and efficiently configured complex to include a headquarters, tactical exercise control group center, weapons storage and instructor spaces and simulated entry point and embassy

offices.

(Current Mission)

REQUIREMENT:

Provide permanent facilities to support Special Operations Training Group (SOTG) which is a part of II MEF's mission to train Marine Expeditionary Units (MEU) in preparing and certifying forces for deployment. These facilities will support academic, applied instruction, and scenario-based instruction in Expeditionary Operations, Select Maritime Special Skills, Stability Operations, Military Operations Other Than War, and Supporting Operations in all climates and environments from arctic to riverine. Training courses range from specialized demolitions and close quarters battles to vehicle assault and assault climbing. Each specialized course trains a specified number of Marines to ensure deployed units have Marines trained in specialties they may need while deployed. SOTG evaluates how well units perform and interact in full scale exercises both on and off-base. Upon completion of SOTG training and evaluation, the MEU is certified ready to deploy. The monthly average on board is 360 students and staff. SOTG training is not related to training specific to Special Operations Command mission and tasks.

CURRENT SITUATION:

The SOTG facility currently provides and will support training in the following courses: Scout Swimmer Course, Applied Explosives Course, Dynamic Entry Course, Urban Reconnaissance and Surveillance, Urban Sniper Course, Assault Climbers Course, Basic/Advanced Coxswain Skills Course, Dynamic Assault Course, Security Element Training Course, Boat Raid Course, Helicopter Rope Suspension Course Masters Course, Long Range (Over-the Horizon) Maritime Navigation Course, Tactical Recover of Aircraft and/or Personnel Course, and Non-Lethal Weapons Course. SOTG conducts the majority of their training in the Rifle Range (Stone Bay) and Onslow Beach areas. Exercises conducted in support of this training are conducted both on Base and at various off-base sites. These exercises are operational/scenario based on possible missions expected to encounter while forward deployed. SOTG is housed in facilities that are 1940's vintage buildings and aging K-Spans, most of which have no running water or plumbing. These facilities are not conducive to training, substandard and beyond their life expectancy and cannot sustain the advanced level of training required for mission readiness.

IMPACT IF NOT PROVIDED:

The SOTG training mission will continue to be impacted by facilities that are undersized and deteriorated. Failure to provide these essential facilities and supporting infrastructure will result in a shortage of adequately trained Marines and impose an adverse impact on II MEF. Without

adequate essential training facilities, Marines experience degradation of unit readiness along with the inability to maintain equipment, perform operations, and train personnel ultimately compromising combat readiness. Marines working in the Stone Bay area at SOTG will continue to operate in inadequate facilities, negatively impacting on daily operations.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	09/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$1,000
(B) All other design costs	$500
(C) Total	$1,500
(D) Contract	$1,100
(E) In-house	$400
4. Contract award:	02/2014
5. Construction start:	04/2014
6. Construction complete:	06/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Cameras/AV Equipment	PMC	2015	500
Collateral Equipment	PMC	2015	2,185
Computer Equipment	PMC	2015	600
Intrusion Detection System and CCTV	O&MMC	2015	100

JOINT USE CERTIFICATION:

The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Operations Training Complex

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	17120	P1349	22,515

location are incompatible with use by other components.

Activity POC: Project Development Lead Phone No: (910) 451-9455

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(KA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (TRAINING AREA EAST) CAMP LEJEUNE, NORTH CAROLINA	Landfill - Phase 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	83315	P1353	20,795

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
LANDFILL - PHASE 4	AC	24.6		9,850
LANDFILL, PHASE IV	AC	13	558,597.8	(7,260)
CLOSURE/CAP PHASE III	AC	11.6	190,411.35	(2,210)
SPECIAL COSTS	LS			(380)
SUPPORTING FACILITIES				8,880
SITE PREPARATIONS	LS			(5,040)
PAVING AND SITE IMPROVEMENTS	LS			(3,290)
ELECTRICAL UTILITIES	LS			(390)
ENVIRONMENTAL MITIGATION	LS			(160)
SUBTOTAL				18,730
CONTINGENCY (5%)				940
TOTAL CONTRACT COST				19,670
SIOH (5.7%)				1,120
SUBTOTAL				20,790
TOTAL REQUEST ROUNDED				20,790
TOTAL REQUEST				20,795

10. Description of Proposed Construction:

Construct Phase IV of Camp Lejeune's Municipal Solid Waste Landfill Facility by providing three new composite, lined, sanitary landfill cells of additional waste disposal area. Extension of the existing leachate collection and electrical systems from the existing landfill cells to serve the new cells is included under this project. The existing Phase III cells will be closed and capped.

Special costs includes post construction contract award services that will be used to support State and Federal environmental regulations requiring independent third party quality assurance certification. Geospatial survey and mapping is also included.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Low impact development will be included in the design and construction of this project as appropriate.

Site preparation includes earthwork, erosion control and stormwater management, including a minimum of three feet of fill across the entire 13-

acre footprint of the planned landfill space. This action will ensure the base of the landfill is greater than four feet above the seasonal high groundwater table in accordance with State and Federal environmental regulations.

Paving and site improvements include grading, perimeter road and fencing, a portland cement concrete surface in support of recycling concrete and wood waste debris.

Electrical utilities include primary and secondary distribution systems, lighting and transformers.

Environmental mitigation includes remediation of contaminated soil on approximately 7 acres of the site including UXO removal, UXO construction support and wetlands mitigation

11. Requirement: 58 AC **Adequate:** 35 AC **Substandard:**

PROJECT:

Constructs three lined sanitary landfill cells totaling 736,000 cubic yards and covering 12.9 acres. Close and caps Phase III landfill cells equaling approximately 11.6 acres.

(Current Mission)

REQUIREMENT:

The disposal area within Phase III of Camp Lejeune's Municipal Solid Waste Landfill Facility is expected to reach maximum permitted capacity by July 2015. This project will provide additional landfill cells that should accommodate approximately six years of solid waste disposal. The new cells provided by this project will comply with the applicable engineering and construction standards.

CURRENT SITUATION:

The State of North Carolina Department of Environment and Natural Resources issued a permit to operate the landfill in December 1997. Phase I consisting of two lined, sanitary cells began operation in January 1998. The permitted capacity of Phase I was 702,000 cubic yards and covered 12.3 acres in surface area. Closure operations for Phase I commenced at the end of September 2004.

Operation of Phase II consisting of three lined, sanitary cells began immediately thereafter and served as the solid waste disposal area for the installation until June 2010. The permitted capacity of Phase II was

629,000 cubic yards and covered 11.0 acres in surface area.

Phase III consisting of three lined, sanitary cells was completed in June 2010 and has a permitted capacity of 662,000 cubic yards, covering 11.6 acres. Based on the current waste disposal trends and with the approval of 800 Family Housing units and additional Bachelor Enlisted Quarters, Phase III will reach capacity before the predicted six year projection. At current and projected usage rates, Phase III cells will reach maximum capacity as early as July 2015.

IMPACT IF NOT PROVIDED:

If this project is not funded, Camp Lejeune will not have a compliant, on-base solid waste disposal facility to meet solid waste disposal demands of tenant commands, base operations and base housing residents. The only alternative will be to send waste to off-base facilities, which will be more expensive. Additionally, off-Base disposal may generate complaints from citizens in the communities where such landfills are located due to the depletion of capacity at their local facilities and increased traffic of large, trash-laden vehicles on local roads.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	04/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	06/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$750
(B) All other design costs	$225
(C) Total	$975
(D) Contract	$575
(E) In-house	$400
4. Contract award:	01/2014
5. Construction start:	02/2014
6. Construction complete:	07/2015

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(KA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (TRAINING AREA EAST) CAMP LEJEUNE, NORTH CAROLINA	Landfill - Phase 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	83315	P1353	20,795

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 Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.

Activity POC: Project Development Lead Phone No: (910) 451-9455

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(FA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MONTFORD POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - Camp Johnson

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1445	2,620

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
STEAM DECENTRALIZATION - CAMP JOHNSON (1,572 SF)	m2	146		2,130
M79 UTILITY BUILDING (872 SF)	m2	81	2,226.58	(180)
M107 UTILITY BUILDING (700 SF)	m2	65	2,226.58	(140)
BUILT-IN EQUIPMENT	LS			(1,770)
SPECIAL COSTS	LS			(20)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
SUPPORTING FACILITIES				150
SITE PREPARATIONS	LS			(10)
PAVING AND SITE IMPROVEMENTS	LS			(20)
ELECTRICAL UTILITIES	LS			(100)
MECHANICAL UTILITIES	LS			(20)
SUBTOTAL				2,280
CONTINGENCY (5%)				110
TOTAL CONTRACT COST				2,390
SIOH (5.7%)				140
SUBTOTAL				2,530
DESIGN/BUILD - DESIGN COST				90
TOTAL REQUEST ROUNDED				2,620
TOTAL REQUEST				2,620

10. Description of Proposed Construction:

This project will eliminate the central steam distribution system at Camp Johnson. This project will remove all remaining facilities (M79, M107) from the Camp Johnson centralized steam distribution system. The facilities will be removed from the steam distribution network through the installation of new energy efficient space and domestic water-heating systems and the removal of existing steam equipment and distribution infrastructure. This project will also construct two small utility buildings to support the new equipment required to remove the facilities from the central steam supply. High efficiency and high performance space and domestic water-heating systems will be installed in these utility buildings. These systems include natural gas (NG) steam boilers, infrared heaters, NG hot water (HW)boilers, and NG domestic HW boilers. The project will include tests and balancing and fundamental and enhanced commissioning of the new system, and integration of direct digital controls into the

existing building automation system.

Mechanical utilities include space and domestic water-heating. Natural gas will be supplied via existing low pressure distribution lines.

Electrical utilities include secondary feeds to the new utility buildings, and communication, security, and telemetry connections to the new utility buildings.

Sustainable design principles will be included in the design and construction of the projects in accordance with Executive Order 13123 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with Energy Policy Act of 2005. Low Impact Development will be included in the design and construction of this project.

This project will provide Anti-Terrorism (AT) features and comply with AT regulations, physical security and progressive collapse mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.

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: 146 m2 **Adequate:** **Substandard:**

PROJECT:

This project will eliminate the central steam distribution system at Camp Johnson.

(Current Mission)

REQUIREMENT:

Replace inefficient heating components with increased energy efficient components.

CURRENT SITUATION:

The facilities utilize centrally supplied steam as the primary means of water and space heating. Currently, the heating system operates inefficiently and requires intensive maintenance to provide continuity of service. It is no longer economically feasible to operate and maintain this older and inefficient technology. It has been calculated that the

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(FA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MONTFORD POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - Camp Johnson

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1445	2,620

current central steam system operates at roughly 55% efficiency. A modern system can achieve 85% efficiency or higher. This project is part of the Federal initiative to lower energy intensity, improve quality of life, and reduce total operating costs.

IMPACT IF NOT PROVIDED:

If this project is not executed the Marine Corps will continue to pay escalating operational costs and maximum energy efficiency will not be attained. Camp Lejeune will continue to spend maintenance dollars on inefficient and failing systems.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	08/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	03/2014
(D) Percent completed as of September 2012	10%
(E) Percent completed as of January 2013	35%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	No
(H) Energy Study/Life Cycle Analysis performed	Yes
2. Basis:	
(A) Standard or Definitive Design	No
(B) Where design was previously used	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$150
(B) All other design costs	$100
(C) Total	$250
(D) Contract	$200
(E) In-house	$50
4. Contract award:	12/2013
5. Construction start:	04/2014
6. Construction complete:	06/2015

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.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(FA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MONTFORD POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - Camp Johnson

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1445	2,620

Activity POC: Project Development Lead Phone No: 9104510784 EXT. 3291

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - Hadnot Point

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1447	13,390

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
STEAM DECENTRALIZATION - HADNOT POINT (8,902 SF)	m2	827		10,420
HP237 UTILITY BUILDING (355 SF)	m2	33	2,226.58	(70)
FC286 UTILITY BUILDING (1,539 SF)	m2	143	2,226.58	(320)
H1 UTILITY BUILDING (2,379 SF)	m2	221	2,226.58	(490)
122 UTILITY BUILDING (237 SF)	m2	22	2,226.58	(50)
84 UTILITY BUILDING (570 SF)	m2	53	2,226.58	(120)
HP250 UTILITY BUILDING (355 SF)	m2	33	2,226.58	(70)
211 UTILITY BUILDING (237 SF)	m2	22	2,226.58	(50)
411 UTILITY BUILDING (237 SF)	m2	22	2,226.58	(50)
521 UTILITY BUILDING (237 SF)	m2	22	2,226.58	(50)
903 UTILITY BUILDING (388 SF)	m2	36	2,226.58	(80)
FC420 UTILITY BUILDING (172 SF)	m2	16	2,226.58	(40)
1231 UTILITY BUILDING (947 SF)	m2	88	2,226.58	(200)
1502 UTILITY BUILDING (377 SF)	m2	35	2,226.58	(80)
1601 UTILITY BUILDING (398 SF)	m2	37	2,226.58	(80)
1854 UTILITY BUILDING (474 SF)	m2	44	2,226.58	(100)
BUILT-IN EQUIPMENT	LS			(8,360)
SPECIAL COSTS	LS			(110)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(100)
SUPPORTING FACILITIES				1,220
SITE PREPARATIONS	LS			(30)
PAVING AND SITE IMPROVEMENTS	LS			(90)
ELECTRICAL UTILITIES	LS			(900)
MECHANICAL UTILITIES	LS			(200)
SUBTOTAL				11,640
CONTINGENCY (5%)				580
TOTAL CONTRACT COST				12,220
SIOH (5.7%)				700

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - Hadnot Point

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1447	13,390

SUBTOTAL				12,920
DESIGN/BUILD - DESIGN COST				470
TOTAL REQUEST ROUNDED				13,390
TOTAL REQUEST				13,390

10. Description of Proposed Construction:

This project constructs eleven small utility buildings to support the new equipment required to remove the facilities from the central steam supply. High efficiency and high performance space and domestic water-heating systems will be installed in these utility buildings. These systems include natural gas (NG) steam boilers, infrared heaters, NG hot water (HW) boilers, and NG domestic HW boilers. The project will include tests and balancing and fundamental and enhanced commissioning of the new system, and integration of direct digital controls into the existing building automation system.

Mechanical utilities include water distribution system and metering.

Electrical utilities include secondary feeds to the new utility buildings, and communication, security, and telemetry connections to the new utility buildings.

Sustainable design principles will be included in the design and construction of the projects in accordance with Executive Order 13123 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with Energy Policy Act of 2005. Low Impact Development will be included in the design and construction of this project.

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.

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: 827 m2 **Adequate:** **Substandard:**

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - Hadnot Point

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1447	13,390

PROJECT:

This project will eliminate central steam distribution system in the Hadnot Point Special Area of MCB Camp Lejeune. This project will remove all remaining facilities from the MCB Camp Lejeune Hadnot Point Special Area centralized steam distribution system. The facilities will be removed from the steam distribution network through the installation of new energy efficient space and domestic water-heating systems and the removal of existing steam equipment and distribution infrastructure.

(Current Mission)

REQUIREMENT:

The inefficient heating components will be replaced with increased energy efficient components to reduce maintenance costs and operating expenses.

CURRENT SITUATION:

The facilities utilize centrally supplied steam as the primary means of water and space heating. Currently, the heating system operates inefficiently and requires intensive maintenance to provide continuity of service. It is no longer economically feasible to operate and maintain this older and inefficient technology. It has been calculated that the current central steam system operates at roughly 55% efficiency. A modern system can achieve 85% efficiency or higher. This project is part of the Federal initiative to lower energy intensity, improve quality of life, and reduce total operating costs.

IMPACT IF NOT PROVIDED:

If this project is not executed the Marine Corps will continue to pay escalating operational costs and not realize cost savings from energy efficiency.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	08/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	No

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - Hadnot Point

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1447	13,390

(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	$400
(B) All other design costs	$100
(C) Total	$500
(D) Contract	$450
(E) In-house	$50
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	12/2015

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.

Activity POC: Project Development Lead Phone No: 910-451-0784 ext. 3291

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - BEQ Nodes

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1448	18,679

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
STEAM DECENTRALIZATION - BEQ NODES (20,645 SF)	m2	1,918		15,490
NODE 5 UTILITY BUILDINGS (1,206 SF)	m2	112	2,226.58	(250)
NODE 1 UTILITY BUILDINGS (1,604 SF)	m2	149	2,226.58	(330)
NODE 4 UTILITY BUILDINGS (1,604 SF)	m2	149	2,226.58	(330)
NODE 3 UTILITY BUILDINGS (1,206 SF)	m2	112	2,226.58	(250)
NODE 6 UTILITY BUILDINGS (797 SF)	m2	74	2,226.58	(160)
NODE 10 UTILITY BUILDINGS (1,206 SF)	m2	112	2,226.58	(250)
NODE 9 UTILITY BUILDINGS (1,604 SF)	m2	149	2,226.58	(330)
NODE 11 UTILITY BUILDINGS (1,604 SF)	m2	149	2,226.58	(330)
NODE 13 UTILITY BUILDINGS (797 SF)	m2	74	2,226.58	(160)
NODE 14 UTILITY BUILDINGS (1,001 SF)	m2	93	2,226.58	(210)
NODE 12 UTILITY BUILDINGS (1,206 SF)	m2	112	2,226.58	(250)
NODE 15 UTILITY BUILDINGS (1,206 SF)	m2	112	2,226.58	(250)
NODE 16 UTILITY BUILDINGS (797 SF)	m2	74	2,226.58	(160)
NODE 2 UTILITY BUILDING (1,206 SF)	m2	112	2,226.58	(250)
NODE 7 UTILITY BUILDING (1,206 SF)	m2	112	2,226.58	(250)
NODE 8 UTILITY BUILDING (2,400 SF)	m2	223	2,226.58	(500)
BUILT-IN EQUIPMENT	LS			(10,920)
SPECIAL COSTS	LS			(160)

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - BEQ Nodes

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1448	18,679

OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(150)
SUPPORTING FACILITIES				750
SITE PREPARATIONS	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(90)
ELECTRICAL UTILITIES	LS			(450)
MECHANICAL UTILITIES	LS			(160)
SUBTOTAL				16,240
CONTINGENCY (5%)				810
TOTAL CONTRACT COST				17,050
SIOH (5.7%)				970
SUBTOTAL				18,020
DESIGN/BUILD - DESIGN COST				650
TOTAL REQUEST ROUNDED				18,670
TOTAL REQUEST				18,679

10. Description of Proposed Construction:

Install new energy efficient space and domestic water-heating systems and remove existing steam equipment and distribution infrastructure to remove facilities from the steam distribution network. This project will construct small nodal utility buildings with high efficiency and high performance space and domestic water-heating systems to support the new equipment. These systems include natural gas (NG) steam and hot water (HW) boilers, infrared heaters and NG domestic HW boilers. The project will include tests and balancing and enhanced commissioning of the new system, and integration of direct digital controls into the existing building automation system.

Mechanical utilities include water distribution system and metering.

Electrical utilities include secondary feeds to the new utility buildings, and communication, security and telemetry connections to the new utility buildings.

Sustainable design principles will be included in the design and construction of the projects in accordance with Executive Order 13123 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with Energy Policy Act of 2005. Low Impact Development will be included in the design and construction of this project.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - BEQ Nodes

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1448	18,679

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.

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: 1,918 m2 **Adequate:** **Substandard:**

PROJECT:

This project will eliminate the central steam distribution system at MCAS New River.

(Current Mission)

REQUIREMENT:

The inefficient heating components will be replaced with increased energy efficient components to reduce maintenance costs and operating expenses.

CURRENT SITUATION:

The facilities utilize centrally supplied steam as the primary means of water and space heating. Currently, the heating system operates inefficiently and requires intensive maintenance to provide continuity of service. It is no longer economically feasible to operate and maintain this older and inefficient technology. It has been calculated that the current central steam system operates at roughly 55% efficiency. A modern system can achieve 85% efficiency or higher. This project is part of the federal initiative to lower energy intensity, improve quality of life, and reduce total operating costs.

IMPACT IF NOT PROVIDED:

If this project is not executed the Marine Corps will continue to pay escalating operational costs and not realize cost savings from energy efficiency.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	08/2012
(B) Date 35% Design or Parametric Cost Estimate complete	08/2013
(C) Date design completed	04/2014

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(DA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (HADNOT POINT) CAMP LEJEUNE, NORTH CAROLINA	Steam Decentralization - BEQ Nodes

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0202176M	82109	P1448	18,679

(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	No
(H) Energy Study/Life Cycle Analysis performed	Yes
2. Basis:	
(A) Standard or Definitive Design	No
(B) Where design was previously used	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$500
(B) All other design costs	$200
(C) Total	$700
(D) Contract	$600
(E) In-house	$100
4. Contract award:	02/2014
5. Construction start:	05/2014
6. Construction complete:	12/2015

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.

Activity POC: Project Development Lead Phone No: 910-451-0784

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Corrosion Control Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21103	P674	12,547

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
CORROSION CONTROL HANGAR (49,525 SF)	m2	4,601		7,580
CORROSION CONTROL HANGAR (21,528 SF)	m2	2,000	2,478.43	(4,960)
ACCESS APRON (27,728 SF)	m2	2,576	129.06	(330)
FIRE PUMPING STATION (269 SF)	m2	25	2,456	(60)
BUILT-IN EQUIPMENT	LS			(1,930)
SPECIAL COSTS	LS			(120)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(110)
SUPPORTING FACILITIES				3,320
SITE PREPARATIONS	LS			(190)
SPECIAL FOUNDATION FEATURES	LS			(320)
PAVING AND SITE IMPROVEMENTS	LS			(860)
ELECTRICAL UTILITIES	LS			(1,080)
MECHANICAL UTILITIES	LS			(500)
ENVIRONMENTAL MITIGATION	LS			(210)
DEMOLITION	LS			(160)
SUBTOTAL				10,900
CONTINGENCY (5%)				550
TOTAL CONTRACT COST				11,450
SIOH (5.7%)				650
SUBTOTAL				12,100
DESIGN/BUILD - DESIGN COST				440
TOTAL REQUEST ROUNDED				12,540
TOTAL REQUEST				12,547
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,611)

10. Description of Proposed Construction:

Construct a Type A high bay Corrosion Control Hangar to support local implementation of the Integrated Maintenance Concept/Plan (IMC/P) for H-1 and MV-22 series aircraft. Construction includes pile supported foundation and a vapor barrier system, steel framing, combination concrete masonry

unit (CMU) and metal siding on the hangar exterior walls, CMU exterior and interior walls for the attached support spaces, leaf type swinging hangar doors, cool roofing system over rigid insulation supported by a steel deck, joist and trusses. The hangar bay floor shall be slab on grade with embedded grounding grid and embedded evacuation trench system. The facility provides one high bay dedicated to aircraft paint preparation, support spaces, hazardous material (HazMat) storage, non-HazMat storage, locker rooms, head facilities, administrative areas and equipment storage areas. The facility will be equipped with a laminar flow exhaust system with filtered intake and outflow, compressed air system, and breathing air supply system. Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure.

Project also includes a fire pumping station to replace AS3901 and an access apron.

This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP and physical security regulations in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.

Built-in equipment includes Aqueous Film Forming Foam dispensing and containment system, air compressor, breathing air system, roof mounted jib crane, plastic media blasting system, plastic media reclamation system, and diesel drive fire pump.

Special costs include post construction contract award services, and geospatial survey and mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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.

Paving and site improvements include relocation of primary pad for

transformer, grading, roadways, curbs, sidewalks, landscaping, signs and storm water drainage. Demolition of existing overhead steam lines and the supports is also included.

Electrical utilities include primary and secondary distribution systems, lighting, transformers, relocation of existing transformer and telecommunications infrastructure.

Mechanical utilities includes heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, gas distribution, compressed air system, breathing air supply, laminar flow exhaust system with filtered intake and outflow, industrial waste collection tanks and treatment system, oil/water separator, fire protection and supply lines.

Environmental Mitigation includes remediation of contaminated soils.

Demolition includes Buildings #AS553 Storage (544m2) and #AS3901 Fire Pump Station (150m2).

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: 5,590 m2 **Adequate:** 0 m2 **Substandard:**

PROJECT:

Construct a Type A Corrosion Control Hangar to support implementation of Integrated Maintenance Concept/Plan (IMC/P). Facility supports planned Maintenance Interval-2 (PMI-2) maintenance events for aircraft assigned to MCAS New River and provides one high bay dedicated to aircraft paint preparation.

(Current Mission)

REQUIREMENT:

Provide an adequate and efficiently configured facility dedicated to aircraft paint preparation to support IMC/P PMI-2 events for aircraft assigned to New River. Planned Maintenance Interval Two events require full aircraft painting. The New River aircraft with PMI-2 events programmed as a part of IMC/P are the AH-1W, UH-1N, and the MV-22.

CURRENT SITUATION:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Corrosion Control Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21103	P674	12,547

New River currently has one "clean" bay Corrosion Control Hangar (AS3900). It does not provide sufficient capacity to prepare and paint 31 aircraft per year. Preparing an aircraft in the clean bay requires that the bay be washed down to remove particulate matter deposited during aircraft preparation. Clean bay wash down takes five working days and will cause a backlog of aircraft requiring painting.

IMPACT IF NOT PROVIDED:

Without a dedicated aircraft paint preparation facility, New River squadrons will be forced to transfer aircraft to Fleet Readiness Center (FRC) East, Cherry Point for performance of the majority of PMI-2 events. Squadrons would experience extended aircraft out-of-service periods for scheduled maintenance, higher maintenance costs, missed training opportunities for squadron personnel, and higher total ownership cost over the life cycle of the aircraft. The squadrons would not realize all of the positive benefits of implementation of IMC/P at the local level.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	01/2012
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$450
(B) All other design costs	$150
(C) Total	$600
(D) Contract	$500
(E) In-house	$100
4. Contract award:	12/2013
5. Construction start:	05/2014
6. Construction complete:	09/2015

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

Equipment	Procuring	FY Approp

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Corrosion Control Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21103	P674	12,547

Nomenclature	Approp	or Requested	Cost ($000)
Aircraft Prep Equipment	O&MNR	2015	768
Collateral Equipment	O&MMC	2015	768
Computer/IT	PMC	2015	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. Mission requirements, operational considerations and location are incompatible with use by other components.

Activity POC: Project Development Lead Phone No: 910-449-5401

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Corrosion Control Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21103	P674	12,547

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	CH-53K Maintenance Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17120	P676	13,218

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
CH-53K MAINTENANCE TRAINING FACILITY (38,513 SF)	m2	3,578		9,360
MAINTENANCE TRAINING FACILITY (38,513 SF)	m2	3,578	1,865.8	(6,680)
BUILT-IN EQUIPMENT	LS			(2,200)
SPECIAL COSTS	LS			(130)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(140)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(210)
SUPPORTING FACILITIES				2,540
SITE PREPARATIONS	LS			(70)
SPECIAL FOUNDATION FEATURES	LS			(350)
PAVING AND SITE IMPROVEMENTS	LS			(760)
ELECTRICAL UTILITIES	LS			(620)
MECHANICAL UTILITIES	LS			(70)
DEMOLITION	LS			(670)
SUBTOTAL				11,900
CONTINGENCY (5%)				600
TOTAL CONTRACT COST				12,500
SIOH (5.7%)				710
SUBTOTAL				13,210
TOTAL REQUEST ROUNDED				13,210
TOTAL REQUEST				13,218
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2,093)

10. Description of Proposed Construction:

Construct a Maintenance Training Facility to support installation of CH-53K maintenance training devices and provide training spaces to support CH-53K maintenance personnel training. Construction provides a concrete masonry unit (CMU) building with reinforced concrete slab-on-grade floor, augured pile and grade beam foundation, structural steel frame, exterior masonry veneer, CMU interior walls, and an energy efficient cool roofing system. Construction provides classrooms, administration space, personnel support spaces, general offices, hydraulic/mechanical rooms, tool rooms,

maintenance training areas, storage space, composite repair lab, a high bay with clear-span and an access apron for CH-53K maintenance trainer preventive maintenance. Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems.

This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations and physical security standards in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Due to the location of the project, a premium ATFP has been applied to cover hardening of the building.

Built-in equipment includes bridge cranes, intercom system, compressed air system, fabric hangar doors, down draft table, building hydraulic power system, lightning protection, combination passenger/freight elevator, composite shop downdraft table with built-in filtration, fire pump and power converter for special power.

Special costs include post construction contract award services, and Geospatial Survey and Mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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.

Special foundation features include a pile supported foundation and a passive vapor barrier system.

Paving and site improvements include grading, parking for approximately 100 vehicles, roadways, curbs, sidewalks, access apron, landscaping, fencing, signs, grassed swales, bioretention cells, and storm-water drainage. Demolition of existing overhead steam lines and support towers are included. This project includes about 300 meters of eight foot security fencing.

Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure.

Mechanical utilities include heating, ventilation, and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines and fire protection systems.

Demolition includes Building AS232 (1,548m2), Building AS233 (368m2), Building AS234 (235m2), Building AS260 (125m2) and Building AS262 (125m2).

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities 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: 3,716 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Construct a facility to support CH-53K helicopter maintenance personnel training. Provide space for training devices, classrooms and laboratory space.

(New Mission)

REQUIREMENT:

CH-53K helicopters, replacement for the CH-53E, will be based at Marine Corps Air Station New River in 2017. Training facilities for the maintenance personnel need to be in place and operational prior to the arrival of aircraft so that the maintainers are properly qualified to work on the aircraft once they arrive. It will take approximately a year to outfit the facility and train the first class. Existing maintenance training facilities are operating at capacity in support current fleet aircraft. Space is not available within the existing CH-53E maintenance training facility for installation of CH-53K maintenance training devices or to support CH-53K maintenance personnel training.

CURRENT SITUATION:

Existing maintenance training facilities are operating at capacity in support current fleet aircraft: MV-22, CH-53E, and CH-46. Floor space is not available within the CH-53E maintenance training facility for installation of the CH-53K maintenance training devices or to support CH-53K maintenance personnel training. Joint use of current CH-53E maintenance training facility is not possible as CH-53E operations continue as CH-53K is phased in. Construction of a maintenance training facility is

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	CH-53K Maintenance Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17120	P676	13,218

required to support CH-53K training.

IMPACT IF NOT PROVIDED:

MCAS New River cannot support maintenance training device installation and maintenance personnel training requirements for the CH-53K. Maintainers will not be qualified to maintain the new aircraft once they arrive in 2017.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	09/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	0%
(E) Percent completed as of January 2013	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	$1,000
(B) All other design costs	$300
(C) Total	$1,300
(D) Contract	$200
(E) In-house	$1,100
4. Contract award:	03/2014
5. Construction start:	05/2014
6. Construction complete:	05/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
FF&E	O&MMC	2016	2,050
MCW Costs	O&MMC	2015	43

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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	CH-53K Maintenance Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17120	P676	13,218

of the Navy requirements.

Activity POC: Project Development Lead Phone No: 910-449-5401

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	CH-53K Maintenance Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17120	P676	13,218

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Regional Communication Station

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13117	P726	20,098

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
REGIONAL COMMUNICATION STATION (20,345 SF)	m2	1,890.11		15,550
COMMUNICATIONS STATION (20,345 SF)	m2	1,890.11	2,125.32	(4,020)
BUILT-IN EQUIPMENT	LS			(11,030)
SPECIAL COSTS	LS			(200)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(230)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(70)
SUPPORTING FACILITIES				3,240
SPECIAL CONSTRUCTION FEATURES	LS			(640)
PAVEMENT FACILITIES	LS			(40)
SITE PREPARATIONS	LS			(340)
SPECIAL FOUNDATION FEATURES	LS			(390)
PAVING AND SITE IMPROVEMENTS	LS			(690)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
ELECTRICAL UTILITIES	LS			(900)
MECHANICAL UTILITIES	LS			(180)
DEMOLITION	LS			(40)
SUBTOTAL				18,790
CONTINGENCY (5%)				940
TOTAL CONTRACT COST				19,730
SIOH (5.7%)				1,120
SUBTOTAL				20,850
TOTAL REQUEST ROUNDED				20,850
TOTAL REQUEST				20,850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(974)

10. Description of Proposed Construction:

Construct a low rise Regional Communication Station of reinforced concrete on pile foundations, brick veneer, reinforced concrete floors, blast resistant doors, combination concrete deck steel frame supported roof with new roofing system, Network Operations Center (NOC) racks and equipment.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Regional Communication Station

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13117	P726	20,098

The facility will serve as a communication backbone for the Marine Corps Installations East Region (MCIEAST) and as a manned NOC and Telephone Exchange for Marine Corps Air Station (MCAS) New River. Communications facilities represent installation critical infrastructure. The facility will provide administrative spaces, customer service area, reception, secure SIPR vault, electronic repair space, conference room, training rooms, classroom, battery storage room, mechanical spaces, personnel support space, cable vault and telephone switchgear space.

Information systems include basic telephone connectivity, computer network, 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 and physical security in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.

Built-in equipment includes cable vault, battery containment area, emergency generator, redundant standard computer room air-conditioning units, gas-type fire suppression for the telephone switchgear space, pre-action dry pipe fire suppression for the NOC, fire pump, uninterruptable power supply, emergency lighting, mass notification system, raised computer flooring and the main telephone switch gear.

Special costs include post construction contract award services and geospatial survey and mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special construction features include an in slab grounding grid with twelve grounding points for the telephone switch gear space and a rubber roof membrane.

Pavement facilities include concrete pads for the emergency generator, chiller and transformer. The pads will have surrounding walls connected to

the primary facility.

Site preparation includes site clearing, excavation and preparation for construction.

Special foundation features include a pile supported foundation and a passive vapor barrier system.

Paving and site improvements include grading, roadways, curbs, sidewalks, approximately 27 POV parking spaces, landscaping, fencing, signs, subsurface sand filter storm water management system and storm-water drainage.

Electrical utilities include primary and secondary distribution systems, manholes, ductbanks, lighting, transformer, and telephone communications infrastructure. In slab grounding grid with twelve grounding points for the telephone switch gear space is included in the project.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing/plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines.

The project includes demolition of the Telephone Exchange Building #AS224, (146 m2). To ensure continuity of operations, demolition of AS224 will not occur until twelve months post Beneficial Occupancy Date of the Regional Communications Station.

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: 1,890 m2 **Adequate:** **Substandard:**

PROJECT:

Construct a Regional Communications Station to support MCAS New River expansion due to assignment of additional aviation squadrons, serve as a secondary point of presence communications backbone for MCI East and serve as a manned NOC and telephone exchange.

(Current Mission)

REQUIREMENT:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Regional Communication Station

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13117	P726	20,098

Adequate and efficiently configured facilities are necessary to satisfy New River¿s telecommunications requirements and to establish a redundant telecommunications system and Secondary Point of Presence to serve MCB Camp Lejeune, MCAS New River and MCI East. Currently, there is one primary facility that supports the telecommunications and Point of Presence requirements for MCB Camp Lejeune, MCAS New River, and MCI East. The systems are housed in one facility that does not meet requirements for critical infrastructure asset vulnerabilities. This project will provide a redundant communications system to support all of MCI East and mitigate current critical infrastructure vulnerability in addition to supporting the current expansion of New River due to assignment of additional aviation squadrons.

CURRENT SITUATION:

The existing facility (Building #AS224) is inadequate and undersized in relation to installation telecommunications requirements, installation expansion due to assignment of additional aviation squadrons, and the need to establish a redundant telecommunications system and Secondary Point of Presence, to serve MCB Camp Lejeune, MCAS New River, and MCI East. The current facility at New River cannot accommodate equipment required to increase communication connectivity. Additionally, MCB Camp Lejeune has no redundant communications capability and is a single point of failure.

IMPACT IF NOT PROVIDED:

The current telecommunications facility serving New River will not accommodate the increased telecommunications requirements supporting FY2011 and beyond MILCON projects. The existing facility is currently at capacity along with the manhole and ducts entering the facility. MCB Camp Lejeune communications facility will continue to be a single point of failure since no redundant capability exists.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	06/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Regional Communication Station

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13117	P726	20,098

3. Total Cost (C) = (A) + (B) = (D) + (E):

(A) Production of plans and specifications	$800
(B) All other design costs	$150
(C) Total	$950
(D) Contract	$850
(E) In-house	$100
4. Contract award:	02/2014
5. Construction start:	04/2014
6. Construction complete:	06/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Electronic Security System	PMC	2016	546
FF&E	O&MMC	2016	428

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: 910-449-5401

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67001(LA)	4. Project Title
MARINE CORPS BASE CAMP LEJEUNE (MCAS NEW RIVER) CAMP LEJEUNE, NORTH CAROLINA	Regional Communication Station

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13117	P726	20,098

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N00128	4. Command	5. Area Const Cost Index
GREAT LAKES NAVAL STATION TINKER AFB, OKLAHOMA	Commander Navy Installations Command	.91

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	617	3217	2432	0	4564	0	756	1635	0	13221
B. End FY 2017	671	3269	0	0	1205	0	756	1635	0	7536

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(Acres)	
B. INVENTORY AS OF 30 SEP 2012	128,598
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,144
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	**142,742**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21110	TACAMO E-6B Hangar	01/2013	09/2013	5741 m2	14,144
				TOTAL	14,144

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:

US Air Force Base Tinker is host to the US Navy Strategic Communications Wing One "Take Charge and Move Out" (TACAMO) joint operations mission under United States Strategic Command (USSTRATCOM). TACAMO provides a survivable communications link between national decision-makers and strategic forces.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128(TI)	4. Project Title
GREAT LAKES NAVAL STATION (TINKER AFB) TINKER AFB, OKLAHOMA	TACAMO E-6B Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21110	P136	14,144

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
TACAMO E-6B HANGAR (61,796 SF)	m2	5,741		10,470
HANGAR TACAMO E-6B (36,651 SF)	m2	3,405	2,121.90	(7,230)
AIRCRAFT ACCESS/PARKING APRON (25,144 SF)	m2	2,336	117.35	(270)
BUILT-IN EQUIPMENT	LS			(2,660)
SPECIAL COSTS	LS			(130)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(100)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(80)
SUPPORTING FACILITIES				2,280
SITE PREPARATIONS	LS			(370)
SPECIAL FOUNDATION FEATURES	LS			(450)
PAVING AND SITE IMPROVEMENTS	LS			(580)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
ELECTRICAL UTILITIES	LS			(450)
MECHANICAL UTILITIES	LS			(330)
DEMOLITION	LS			(40)
SUBTOTAL				12,750
CONTINGENCY (5%)				640
TOTAL CONTRACT COST				13,390
SIOH (5.7%)				760
SUBTOTAL				14,150
TOTAL REQUEST ROUNDED				14,150
TOTAL REQUEST				14,144
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(195)

10. Description of Proposed Construction:

Construct an aircraft maintenance hangar to provide a high bay hangar, shop space, flight line operations, maintenance functions and space in support of 60 aircraft maintenance personnel assigned to the E-6B aircraft squadron. The hangar consists of steel frame construction with suspended cantilever trusses supporting a standing seam metal roof over rigid insulation on a steel deck supported by steel joists. Exterior walls are

precast concrete and metal siding on the hangar bay and concrete masonry on the operations/administrative area with thermal windows and doors. The ground floor will be slab on grade with an embedded grounding grid and floor drainage system in the hangar bay. The foundation system consists of conventional footings on piles to support a grid system.

This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations, physical security in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.

Built-in equipment includes a 9-ton overhead bridge crane, a fold up fabric hangar door, fire protection system and alarms, lightning protection and an electric 400 Hz converter.

Special costs include post construction contract award services.

Operations and Maintenance Support Information (OMSI) is included in this project.

Sustainable design principles wil be included in the design and construction of the project in accordance with Executive Order 13423 (2007) and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project.

Site preparation includes above ground site demolition and relocations, underground site demolition and utility relocations, security fencing relocation, excavation and grading preparation for construction.

This project will demolish Building #815 A/C OVERHAUL & REPAIR SHOP (74.32 m2) and Building #816 A/C OVERHAUL & REPAIR SHOP (27.87 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.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128(TI)	4. Project Title
GREAT LAKES NAVAL STATION (TINKER AFB) TINKER AFB, OKLAHOMA	TACAMO E-6B Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21110	P136	14,144

11. Requirement: 3,405 m2 **Adequate:** **Substandard:**

PROJECT:

Constructs an aircraft maintenance hangar. This hangar will provide maintenance, crew, equipment and other support spaces which operate the E-6B aircraft.

This project provides adequate and efficiently configured facilities to accommodate one E-6B aircraft to include aircraft and fuel cell maintenance, maintenance crew and maintenance equipment spaces, administration spaces, avionic shop and maintenance shops for the 60 person squadron.

(Current Mission)

REQUIREMENT:

Commander, Strategic Communications Wing ONE (CSCW-1) reports directly to Commander, United States Strategic Command (CDRUSSTRATCOM) for operational tasking. CSCW-1 is a Joint Command and an essential component of the US global support posture. The mission of the E-6B is to provide survivable, endurable, reliable airborne command, control and communications in support of USSTRATCOM, the Secretary of Defense, and the President. It supports the Airborne Command Post (ABNCP) missions by providing USSTRATCOM and Combatant Commanders decision level conferencing, force management, situation monitoring, force direction and communication support. The E-6B supports the Take Charge and Move Out (TACAMO) mission by providing Emergency Action Message (EAM) relay from the National Command Authorities to strategic and non-strategic forces.

CURRENT SITUATION:

The E-6B aircraft are currently 22 years old and were originally scheduled for decommission in 2015 at 27,000 flight hours. The service life has been extended to 2042 at 45,000 flight hours. The initial bed down of the program at Tinker AFB did not account for the increased maintenance required due to this service life extension.

CSCW-1 has sole access to a single, four bay hangar designated to perform organizational level maintenance. One of the four bays in this hangar has been modified to allow performance of depot level maintenance. However, to meet the increased requirement for depot level maintenance, the squadron currently has a Memorandum of Agreement that allows use of a Boeing hangar that the Air Force leases at Tinker AFB to perform depot level maintenance. This hangar will not be available after 2013.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128(TI)	4. Project Title
GREAT LAKES NAVAL STATION (TINKER AFB) TINKER AFB, OKLAHOMA	TACAMO E-6B Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21110	P136	14,144

Once the Boeing hangar is no longer available for depot maintenence, and until this facility is completed, the Air Force and CSCW-1 will be required to find depot level facilities on an ad-hoc, as-available basis, creating inefficiencies and possible impacts to aircraft mission readiness.

If there is inadequate fuel cell and maintenence hangar availability at Tinker AFB, OK, and at the Navy aircraft maintenance facility, the Navy squadrons would be forced to divert aircraft to other geographic locations numerous times which increases maintenance and out of service time, thus impacting the operational unit mission.

IMPACT IF NOT PROVIDED:

In view of extensive programmed modifications and aging aircraft issues, aircraft downtime waiting for maintenance space introduces an unacceptable readiness risk. Failing to construct this hangar will result in increased aircraft maintenance downtime with greater numbers of E-6B aircraft grounded and CSCW-1 will be unable to meet mission requirements that are vital to national security.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	01/2013
(B) Date 35% Design or Parametric Cost Estimate complete	03/2013
(C) Date design completed	09/2013
(D) Percent completed as of September 2012	2%
(E) Percent completed as of January 2013	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	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$1,240
(B) All other design costs	$260
(C) Total	$1,500
(D) Contract	$50
(E) In-house	$1,450
4. Contract award:	01/2014

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128(TI)	4. Project Title
GREAT LAKES NAVAL STATION (TINKER AFB) TINKER AFB, OKLAHOMA	TACAMO E-6B Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21110	P136	14,144

5. Construction start: 03/2014

6. Construction complete: 06/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	OMN	2015	150
Relocation cost of moving B-815 & 816	OMN	2014	20
Relocation cost of moving satelite equipment	OMN	2014	25

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: 847 688 3368 x 113

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00128(TI)	4. Project Title
GREAT LAKES NAVAL STATION (TINKER AFB) TINKER AFB, OKLAHOMA	TACAMO E-6B Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21110	P136	14,144

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N32411	4. Command	5. Area Const Cost Index
NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	Commander Navy Installations Command	1.13

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1108	1126	3518	176	610	0	258	138	0	6934
B. End FY 2017	1154	988	0	176	710	0	244	81	0	3353

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(1377 Acres)	
B. INVENTORY AS OF 30 SEP 2012	2,714,391
C. AUTHORIZATION NOT YET IN INVENTORY	141,590
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,422
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	56,434
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	189,717
H. GRAND TOTAL	**3,114,554**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
17110	Hewitt Hall Research Center	09/2010	06/2013	7978 m2	12,422
				TOTAL	12,422

9. Future Projects:

A. Included In The Following Program:

72117 Berthing For OTC Students	56,434
TOTAL	56,434

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 836,721

10. Mission or Major Functions:

Naval Station Newport's mission is to maintain and operate facilities and provide services and material to support operations for tenant activities, supported activities and visiting fleet units, and to provide such other functions and tasks as may be directed by higher authority.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32411	4. Project Title
NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	Hewitt Hall Research Center

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17110	P103	12,422

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
HEWITT HALL RESEARCH CENTER (85,874 SF)	m2	7,978		11,190
HEWITT HALL (85,874 SF)(RENOVATE)	m2	7,978	1,352	(10,790)
BUILT-IN EQUIPMENT	LS			(160)
SPECIAL COSTS	LS			(190)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(30)
SUBTOTAL				11,190
CONTINGENCY (5%)				560
TOTAL CONTRACT COST				11,750
SIOH (5.7%)				670
SUBTOTAL				12,420
TOTAL REQUEST ROUNDED				12,420
TOTAL REQUEST				12,422
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4,000)

10. Description of Proposed Construction:

Project renovates three levels of Hewitt Hall (Building #991) at the Naval War College (NWC) to address the deficiencies highlighted by the New England Association of Schools and Colleges (NEASC), necessary to maintain accreditation. Renovations include converting the garage level to interior book storage space and repairs to the basement and first floor levels of Hewitt Hall.

Garage Conversion converts existing parking garage space to book storage space to include high density library book storage, student locker, facilities storage, an ADA-compliant rest room space with a shower, internal mail distribution space and archives materials storage. Modifications to existing floor shall be performed in order to support high-density shelving requirements, as well as addressing utilities and storm drainage concerns. New HVAC work will be performed as well as upgrades to the existing architectural components, utility and mechanical systems, fire suppression systems, electrical systems, telephone and local area network connections, and information systems.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32411	4. Project Title
NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	Hewitt Hall Research Center

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17110	P103	12,422

Repairs to the Basement and First floors will upgrade the library space into a modern student learning center to support library functions and services. Repairs and modifications will be performed to the architectural components, life safety, mechanical and electrical systems and the classified library. New walls will be constructed with steel stud framing.

Additionally, the scope includes HVAC work, including the replacement of the constant volume air powered induction boxes with traditional variable air volume system, installation of new ductwork, piping, controls and electrical systems.

Exterior work shall include re-pointing and re-caulking of facade at the Garage and Basement levels to include masonry, doors, windows and other miscellaneous openings.

Built-in equipment includes high density archive storage systems and a building fire booster pump.

Special costs include post construction contract award services and construction phasing.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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: 133,160 SF **Adequate:** 0 SF **Substandard:** 58,874 SF

PROJECT:

The project renovates the lowest three levels of Hewitt Hall. Work on the lowest floor level converts garage space to interior book storage space. Work on the second and third levels upgrades the library space.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32411	4. Project Title
NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	Hewitt Hall Research Center

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17110	P103	12,422

(Current Mission)

REQUIREMENT:

The library currently includes less than half the required square feet indicated in the BFR, all of which is defined as substandard space and has not had a major renovation since the construction of the building in 1976. Ninety-five percent of the student study space at the War College had been removed due to the growth of the mission at the college for classroom and office needs between 2005 and 2008. The NEASC has indicated the War College may lose its accreditation, due to its space deficit.

CURRENT SITUATION:

The War College is at risk of not retaining its accreditation, due to the condition of the library, its physical resources and the library's enormous space deficit. During a recent Accreditation Inspection, NEASC cited the library as a key deficit area and information resources in support of the War College's mission need to be upgraded and expanded.

IMPACT IF NOT PROVIDED:

If this work is not performed, the loss of accreditation will be a strong probability, primarily because of significant space deficits and because of old and outdated conditions as indicated in the two most recent reports by the NEASC. When this project is completed, a space deficit will still exist, though it would be a smaller deficit.

The NWC will continue with inefficiencies and costs associated with having to store 35,000 books off site. Based on the layout and size of Hewitt Hall, additional inefficiencies include delays in book retrieval and administrative handling time due to the double-handling and poor access to information resources.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	09/2010
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	06/2013
(D) Percent completed as of September 2012	0%
(E) Percent completed as of January 2013	0%
(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:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N32411	4. Project Title
NAVAL STATION NEWPORT RI NEWPORT, RHODE ISLAND	Hewitt Hall Research Center

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17110	P103	12,422

(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	$806
(B) All other design costs	$671
(C) Total	$1,477
(D) Contract	$1,327
(E) In-house	$150
4. Contract award:	12/2013
5. Construction start:	02/2014
6. Construction complete:	06/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Library Computer System	OPN	2015	1,000
Room Furnishings	OMN	2015	3,000

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: (401) 841-7612

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N42237	4. Command	5. Area Const Cost Index
SUBASE KINGS BAY GA GOOSE CREEK, SOUTH CAROLINA	Commander Navy Installations Command	.9

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	439	4281	1693	0	0	0	101	399	0	6913
B. End FY 2017	411	4354	0	0	0	0	101	399	0	5265

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(Acres)	
B. INVENTORY AS OF 30 SEP 2012	732,829
C. AUTHORIZATION NOT YET IN INVENTORY	66,794
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	73,932
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	31,011
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	**904,566**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
17135	Nuclear Operational Training Facility	09/2011	07/2013	10822 m2	73,932
				TOTAL	73,932

9. Future Projects:

A. Included In The Following Program:

17110	Nuclear Power Operational Support Facility	31,011
	TOTAL	31,011

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 514,333

10. Mission or Major Functions:

Provides support to the Fleet, Fighter, and Family.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N42237(CH)	4. Project Title
SUBASE KINGS BAY GA (CHARLESTON JB WS MAIN) GOOSE CREEK, SOUTH CAROLINA	Nuclear Power Operational Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P100	73,932

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
NUCLEAR POWER OPERATIONAL TRAINING FACILITY (116,487 SF)	m2	10,822		40,270
TRAINING SUPPORT BLDG (TSB-2) (94,453 SF)	m2	8,775	2,014.86	(17,680)
MTS BERTHING PIER EXTENSION (12,626 SF)	m2	1,173	5,444.75	(6,390)
SECURITY AREA ENTRY POINT (GATEHOUSE) (9,408 SF)	m2	874	3,754.72	(3,280)
INFORMATION SYSTEMS	LS			(460)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(120)
BUILT-IN EQUIPMENT	LS			(9,930)
SPECIAL COSTS	LS			(1,650)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(200)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(560)
SUPPORTING FACILITIES				26,350
SPECIAL CONSTRUCTION FEATURES	LS			(4,040)
SITE PREPARATIONS	LS			(4,140)
SPECIAL FOUNDATION FEATURES	LS			(2,190)
PAVING AND SITE IMPROVEMENTS	LS			(5,140)
ANTI-TERRORISM/FORCE PROTECTION	LS			(80)
ELECTRICAL UTILITIES	LS			(10,110)
MECHANICAL UTILITIES	LS			(190)
ENVIRONMENTAL MITIGATION	LS			(280)
DEMOLITION	LS			(180)
SUBTOTAL				66,620
CONTINGENCY (5%)				3,330
TOTAL CONTRACT COST				69,950
SIOH (5.7%)				3,990
SUBTOTAL				73,940
TOTAL REQUEST ROUNDED				73,940
TOTAL REQUEST				73,932

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N42237(CH)	4. Project Title
SUBASE KINGS BAY GA (CHARLESTON JB WS MAIN) GOOSE CREEK, SOUTH CAROLINA	Nuclear Power Operational Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P100	73,932

EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(157,706)

10. Description of Proposed Construction:

Constructs a pier extension of concrete piles and slabs. The pier will include a pile fender protection system, utility support system, electrical shore power service, lighting, discharge water collection, sanitary piping, pure and potable water, fire protection, air services, communication lines, telephone, CCTV, LAN lines (classified and unclassified), a public address system and a security barrier boom. This project will replace an existing pier guard tower with an elevated Defensive Fighting Position (DFP) and include additional DFPs on the pier extension, the access trestle, and on the river side of the Secure Area Entry Point (SAEP).

Constructs a new multi-story training support facility (TSB-2) with reinforced concrete pile foundation, blast hardened walls, roof, and blast resistant doors. The TSB will include production training facilities, simulation technology, training staff areas, staff and student support areas, storage and off-hull support areas.

Construct a single story SAEP with a reinforced concrete pile foundation, blast hardened walls, roof, and blast resistant doors. The SAEP will be used for security screening and as a guard post. The SAEP will include a crash barrier, multiple high security detection and safety electronics, personnel turnstiles for the SAEP.

This project provides Anti-Terrorism/Force Protection (ATFP) features and complies with ATFP regulations, physical security, and progressive collapse mitigation in accordance with DOD Minimum Anti-Terrorism/Force Protection Standards for Buildings.

Built-in equipment includes submarine support systems (compressed air, steam generator blow down collection, oily water processing, de-ionized water, and associated storage tanks), blast hardened roll up door, freight and passenger elevators, overhead crane and rail supports, DFPs and emergency generator.

Special costs include post construction contract award services, controlled area costs and temporary warehouse to support construction of TSB-2.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N42237(CH)	4. Project Title
SUBASE KINGS BAY GA (CHARLESTON JB WS MAIN) GOOSE CREEK, SOUTH CAROLINA	Nuclear Power Operational Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P100	73,932

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special construction features include a mooring system (concrete piles and chains) at the pier extension and at the South Pier lagoon, building hardening, blast rated entry doors, separation barriers (secure site) and controlled area costs. The mooring system will secure the Moored Training Ship(MTS) during normal and severe weather conditions and enable the temporary relocation of the IX-516 barge for construction of the pier extension.

Site preparation includes site clearing, excavation, and preparation for construction.

Special foundation features include concrete piles under the TSB-2 and SAEP, reinforced, concrete pile supported slabs under the training equipment in the TSB-2 high bay and placement of fill to meet flood plain elevation requirements.

Paving and site improvements include grading, roadways, improvements to a box culvert, sidewalks, landscaping, security fencing and storm-water drainage. The parking lot expansion will provide approximately 152 additional spaces to meet requirements. Dredging and dredge disposal is required for the pier extension.

Environmental mitigation is required to account for the fill of tidal and non-tidal wetlands to meet parking requirements.

Demolition includes the Building #43 warehouse (217 m2), a temporary warehouse Building (223 m2), Building #951 storage facility (167 m2) and the existing pier.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N42237(CH)	4. Project Title
SUBASE KINGS BAY GA (CHARLESTON JB WS MAIN) GOOSE CREEK, SOUTH CAROLINA	Nuclear Power Operational Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P100	73,932

11. Requirement: 21,973 m2 **Adequate:** 12,456 m2 **Substandard:** 0 m2

PROJECT:

Expands the facilities at the Nuclear Power Training Unit (NPTU) to accommodate additional student loading requirements dictated by the nuclear-powered Fleet's manning requirements, alleviates current overcrowding of existing training facilities, and allows for continued training at the site during the transition to the SSN-688 Class Moored Training Ships (MTSs) and the realignment of training at NPTU Ballston Spa, New York.

(Current Mission)

REQUIREMENT:

NPTU Charleston currently trains and certifies approximately half of the nuclear operators and officers for the Navy's naval nuclear reactor plants on nuclear-powered warships (i.e., commissioned submarines and aircraft carriers). The other half of the student training is conducted at Ballston Spa. NPTU currently uses two decommisioned SSBN nuclear-power submarines as MTSs. The MTSs have fully operational nuclear reactors which are manned around the clock and used for student training. Ballston Spa currently uses two land-based reactors for training. The student training throughput at NPTU began increasing in 2011. From 2011 through 2017, there will be a 25 percent increase from 1,200 to 1,500 students per year. In 2018 the student training requirement will be 2,000 students per year when one of the Ballston Spa reactors is inactivated and some of the training is shifted to Charleston as required until Ballston Spa reactor goes back online after being refueled. In 2020 the student training requirement increases to 2,800 students per year when the second Ballston Spa reactor is shut down for refueling and maintenance and all of the training is conducted at Charleston. The long-term steady state student training requirement at NPTU Charleston becomes 1,800 students per year.

Adequate and efficiently sized facilities are required to provide training for personnel in operation, maintenance and supervision of Naval nuclear propulsion plants. The mission of NPTU is to provide prospective Naval nuclear propulsion plant operators (Electronics Technicians, Electrician Mates, and Machinist Mates) and officers with training and certification in the actual operation of a nuclear propulsion plant. This training and certification consists of six months of practical instruction on operating naval nuclear reactor plants under the close supervision of qualified staff personnel.

There are currently two MTS mooring berths at NPTU. A third MTS berth is required to ensure uninterrupted training during the transition period to replace the two existing MTSs in FY 2017 and FY 2020 with three new MTSs.

Three SSN 688 class MTSs are planned for Charleston to replace the two older MTSs. The additional MTS is required to bridge the training period when both reactors at Ballston Spa are down (one to be inactivated and the other for refueling) thus requiring all training to take place at Charleston. Once the reactor at Ballston Spa is refuelled and returned to operational, the third MTS at NPTU Charleston can be retired.

CURRENT SITUATION:

The current student loading at NPTU Charleston exceeds nominal training capacity of the current facilities. To accommodate the recent increase and growth in student loading, NPTU refurbished existing classroom space to create more, but much smaller, training and study areas. With these space modifications, training facilities will be adequate until about 2017 but they are not designed to the proper professional standards to support continuous larger class sizes and student study and support spaces.

The current training facilities' capacity limitations will be greatly exacerbated when student training currently conducted at NPTU Ballston Spa is shifted to Charleston when one training reactor is inactivated and the other is shut-down for refueling. The NPTU end state in 2021 will be two MTSs in Charleston and one training reactor in Ballston Spa. This project, and the follow-on project P-099, allows the training to be accomplished using only three nuclear reactors instead of four.

The existing floating support barges at Charleston, which currently provide space for MTS propulsion plant support services, reach the end of their service lives at the same time as the older MTSs reach the end of their service lives. Transfer of the nuclear propulsion plant support capability for the new MTSs to a land-based facility is the most cost-effective option compared with acquiring new barges; thus reducing maintenance costs, increasing continuity of training by eliminating required barge dry-docking periods, and reducing vulnerability to severe weather such as hurricanes.

IMPACT IF NOT PROVIDED:

Without the proposed facility modifications, NPTU Charleston will not be able to train enough operators to meet the Fleet's nuclear operator requirements.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N42237(CH)	4. Project Title
SUBASE KINGS BAY GA (CHARLESTON JB WS MAIN) GOOSE CREEK, SOUTH CAROLINA	Nuclear Power Operational Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P100	73,932

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	09/2011
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	07/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$4,100
(B) All other design costs	$2,460
(C) Total	$6,560
(D) Contract	$6,060
(E) In-house	$500
4. Contract award:	03/2014
5. Construction start:	04/2014
6. Construction complete:	04/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
COLLATERAL EQUIPMENT	OMN	2016	948
COLLATERAL EQUIPMENT - PHONE & NETWORK	OPN	2016	830
COLLATERAL EQUIPMENT - SECURITY SYSTEMS	OPN	2015	2,996
LRC COMPUTERS	OMN	2016	590
LRC NETWORK	OPN	2016	260
NMCI COMPUTERS	OMN	2016	140
OFFICE FURNITURE	OMN	2016	1,810
PORT SECURITY BARRIER	OMN	2016	932
SIMULATION EQUIPMENT	OPN	2016	149,200

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.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N42237(CH)	4. Project Title
SUBASE KINGS BAY GA (CHARLESTON JB WS MAIN) GOOSE CREEK, SOUTH CAROLINA	Nuclear Power Operational Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P100	73,932

Activity POC: Project Development Lead Phone No: (843) 863-5670

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N42237(CH)	4. Project Title
SUBASE KINGS BAY GA (CHARLESTON JB WS MAIN) GOOSE CREEK, SOUTH CAROLINA	Nuclear Power Operational Training Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0815976N	17135	P100	73,932

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N62688	4. Command	5. Area Const Cost Index
NAVSTA NORFOLK VA NORFOLK, VIRGINIA	Commander Navy Installations Command	.94

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	4570	37994	10269	0	189	0	666	691	0	54379
B. End FY 2017	3992	36073	2241	0	224	0	666	691	0	43887

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(3687 Acres)	
B. INVENTORY AS OF 30 SEP 2012	5,585,437
C. AUTHORIZATION NOT YET IN INVENTORY	123,848
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,380
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,920
F. PLANNED IN NEXT THREE PROGRAM YEARS	18,560
G. REMAINING DEFICIENCY	935,954
H. GRAND TOTAL	**6,675,099**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
15120	Pier 11 Power Upgrades for CVN-78	11/2011	04/2014	4 EA	3,380
				TOTAL	3,380

9. Future Projects:

A. Included In The Following Program:	
17135 MH60 AVET Training Facility	7,920
TOTAL	7,920
B. Major Planned Next Three Years:	
42172 Two Magazines Recap at Ops Building	18,560
TOTAL	18,560
C. R&M Unfunded Requirement ($000):	1,570,196

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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62688	4. Project Title
NAVSTA NORFOLK VA NORFOLK, VIRGINIA	Pier 11 Power Upgrades for CVN-78

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15120	P500	3,380

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
PIER 11 POWER UPGRADES FOR CVN-78	EA	4		2,930
POWER BOOMS	EA	4	726,200	(2,900)
SPECIAL COSTS	LS			(30)
SUBTOTAL				2,930
CONTINGENCY (5%)				150
TOTAL CONTRACT COST				3,080
SIOH (5.7%)				180
SUBTOTAL				3,260
DESIGN/BUILD - DESIGN COST				120
TOTAL REQUEST ROUNDED				3,380
TOTAL REQUEST				3,380
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(200)

10. Description of Proposed Construction:

Provides 13.8 kV power booms to Pier 11 at Naval Station Norfolk (NSN) for the new CVN 78 aircraft carrier USS Ford Class. There will be four power booms, two per side, to support and manage the shore power cables from Pier 11 to the CVN 78's.

Special costs include post construction contract award services.

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: 4 EA **Adequate:** 0 EA **Substandard:** 0 EA

PROJECT:

Provides four power booms to Pier 11 for the new CVN 78 class aircraft carrier which is due to arrive at NSN in 2015.

(New Mission)

REQUIREMENT:

The new class of carrier requires 13.8 kV power and Pier 11 is the only pier at NSN capable of berthing this new CVN. Power booms are structures upon which the power cables are laid to bridge the gap between the pier and the ship.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62688	4. Project Title
NAVSTA NORFOLK VA NORFOLK, VIRGINIA	Pier 11 Power Upgrades for CVN-78

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15120	P500	3,380

CURRENT SITUATION:

Pier 11 is the only pier at NSN with 13.8 kV power. The existing power booms on Pier 11 are configured to provide 4,160 V power to the CVN 68 class. The CVN 78 Class requires power booms at different locations on the pier.

IMPACT IF NOT PROVIDED:

Shore power cables will be handled in an unsafe manner. Shorepower cables will be stretched across a barge from the lower pier deck and pulled up to the ships connection points with a chainfall. This is particularly hazardous on a double deck pier.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	11/2011
(B) Date 35% Design or Parametric Cost Estimate complete	03/2012
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$70
(B) All other design costs	$50
(C) Total	$120
(D) Contract	$50
(E) In-house	$70
4. Contract award:	12/2013
5. Construction start:	05/2014
6. Construction complete:	08/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Shore Power Cables	OMN	2015	200

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. This is an installation utility/infrastructure

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62688 NAVSTA NORFOLK VA NORFOLK, VIRGINIA	4. Project Title Pier 11 Power Upgrades for CVN-78

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15120	P500	3,380

project and does not qualify for joint use at this location.

Activity POC: Project Development Lead Phone No: (757) 341-0512

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N62688	4. Project Title
NAVSTA NORFOLK VA NORFOLK, VIRGINIA	Pier 11 Power Upgrades for CVN-78

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15120	P500	3,380

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M00264	4. Command	5. Area Const Cost Index
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Commandant of the Marine Corps	1.01

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	2160	4496	5777	5660	5207	192	0	0	24444	47936
B. End FY 2017	2105	4435	5759	5695	3993	193	0	0	24444	46624

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(60320 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	3,504,352
C.	AUTHORIZATION NOT YET IN INVENTORY	159,060
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	38,374
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	26,409
F.	PLANNED IN NEXT THREE PROGRAM YEARS	74,760
G.	REMAINING DEFICIENCY	494,229
H.	**GRAND TOTAL .....**	**4,297,184**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
13150	ATC Transmitter/Receiver Relocation	11/2011	06/2013	0 LS	3,630
85110	Fuller Road Improvements	11/2011	08/2013	12518 m2	9,013
17135	Academic Instruction Facility, Telcom Schools	11/2011	04/2014	6387 m2	25,731
				TOTAL	38,374

9. Future Projects:

A. Included In The Following Program:

72413	The Basic School Student Quarters, Phase 8	26,409
	TOTAL	26,409

B. Major Planned Next Three Years:

17120	Expeditionary Warfare School Academic Inst Fac	59,760
17120	EPME Academic Instruction Facility	15,000
	TOTAL	74,760

C. R&M Unfunded Requirement ($000): 181,917

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.

11. Outstanding Pollution and Safety Deficiencies ($000):

1. Component NAVY	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date 31 MAR 2013
3. Installation and Location: M00264 MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	4. Command Commandant of the Marine Corps	5. Area Const Cost Index 1.01

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264(AA)	4. Project Title
MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA	ATC Transmitter/Receiver Relocation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13135	P1406	3,630

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ATC TRANSMITTER/RECEIVER RELOCATION	LS			2,090
RECEIVER BUILDING (759 SF)	m2	70.51	7,541.74	(530)
TRANSMITTER BUILDING (759 SF)	m2	70.51	7,575.14	(530)
COMMUNICATIONS TOWERS	EA	5	55,987.22	(280)
BUILT-IN EQUIPMENT	LS			(540)
SPECIAL COSTS	LS			(130)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(60)
SUPPORTING FACILITIES				1,180
SITE PREPARATIONS	LS			(110)
PAVING AND SITE IMPROVEMENTS	LS			(140)
ELECTRICAL UTILITIES	LS			(600)
MECHANICAL UTILITIES	LS			(250)
DEMOLITION	LS			(80)
SUBTOTAL				3,270
CONTINGENCY (5%)				160
TOTAL CONTRACT COST				3,430
SIOH (5.7%)				200
SUBTOTAL				3,630
TOTAL REQUEST ROUNDED				3,630
TOTAL REQUEST				3,630
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(595)

10. Description of Proposed Construction:

Constructs two low rise reinforced concrete masonry unit structures to be used as a communications transmitter building and communications receiver building with reinforced concrete spread footings and reinforced concrete slab on grade foundation, masonry wall with brick veneer and a sloped standing seam metal roof over structural steel framing. Facilities will include composting toilets and equipment cabinets. The appearance of the buildings will comply with the base exterior architecture plan to the extent possible.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264(AA)	4. Project Title
MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA	ATC Transmitter/Receiver Relocation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13135	P1406	3,630

Constructs transmitter and receiver antenna towers mounted on cast in place concrete slab on grade with reinforced concrete footings, cabling and built-in fall protection.

Built-in equipment includes raised flooring, uninterruptable power supply and generators.

Special costs include post construction contract award services.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, excavation and earthwork preparation for construction.

Paving and site improvements include grading, four parking spaces, roadway improvements, curbs, sidewalks, landscaping, fencing, signs and storm-water drainage. Pavement facilities include reinforced concrete generator pads and reinforced concrete footings for antenna mounts.

Electrical utilities include primary and secondary distribution systems, lighting, transformers and telecommunications infrastructure.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, composting toilets, fire protection systems and supply lines.

The project will demolish Building #3248 (172.80 m2) and Building #3248B (146.88 m2), both of which are steel-frame structures with steel siding and roof on concrete slab and are currently vacant.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264(AA)	4. Project Title
MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA	ATC Transmitter/Receiver Relocation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13135	P1406	3,630

11. Requirement: **Adequate:** **Substandard:**

PROJECT:

Replaces and relocates the inadequate and deteriorating transmitter and receiver facilities with two new aviation air traffic control communications facilities.

(Current Mission)

REQUIREMENT:

Adequate air traffic control radio communications facilities, efficiently configured and interoperable with military aircraft and the Federal Aviation Administration (FAA), are required to provide reliable and effective aviation communications support at Marine Corps Air Facility (MCAF), Quantico to military aircraft, Marine Helicopter Squadron One (HMX-1), Marine Corps Base Quantico Range Control and the FAA.

CURRENT SITUATION:

The MCAF receiver and transmitter functions as well as the associated antennas are currently located in/on Building 2112, Larson's Gym. Due to the current location of the antennas, operational capability is degraded as a result of line-of-sight limitations. Additionally, the antennas are considered an aviation safety hazard since they are located within 500 feet of the centerline of the runway. Building 2112, where the facilities are located, is condemned and deemed uninhabitable. The demolition of Building 2112 should occur after completion of P1406 and is not part of P1406.

IMPACT IF NOT PROVIDED:

Receiving and transmitting functions will continue to operate in an inadequate, antiquated facility until demolition of Building 2112. Upon demolition of Building 2112, MCAF will not have communications facilities to support multi-band air-ground communications which will negatively impact their ability to complete the air traffic control mission. Aircraft and personnel will continue to be exposed to a safety hazard with the continuation of an airfield safety waiver.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	11/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	06/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	35%
(F) Type of design contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264(AA)	4. Project Title
MARINE CORPS BASE QUANTICO (MCAF) QUANTICO, VIRGINIA	ATC Transmitter/Receiver Relocation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	13135	P1406	3,630

(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: $250

(B) All other design costs: $65

(C) Total: $315

(D) Contract: $213

(E) In-house: $102

4. Contract award: 01/2014

5. Construction start: 03/2014

6. Construction complete: 01/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	O&MMC	2014	510
SPAWAR Construction Support	O&MMC	2014	18
SPAWAR Design Support	O&MMC	2014	27
SPAWAR Electronic Engineering Plan	O&MMC	2014	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) 451-1833

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Fuller Road Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	85110	P588	9,013

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
FULLER ROAD IMPROVEMENTS (134,737 SF)	m2	12,517.5		2,100
FULLER ROAD IMPROVEMENTS (131,264 SF)	m2	12,194.78	72.57	(880)
GATE/SENTRY HOUSE(1 GATEHOUSE, 2 SENTRY HOUSES) (492 SF)	m2	45.71	6,864.37	(310)
INSPECTION SHELTERS (2) (323 SF)	m2	30.01	5,264.76	(160)
CANOPY STRUCTURE	m2	247	1,948.64	(480)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(20)
BUILT-IN EQUIPMENT	LS			(120)
SPECIAL COSTS	LS			(90)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(10)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(30)
SUPPORTING FACILITIES				6,010
SITE PREPARATIONS	LS			(1,330)
PAVING AND SITE IMPROVEMENTS	LS			(1,810)
ANTI-TERRORISM/FORCE PROTECTION	LS			(290)
ELECTRICAL UTILITIES	LS			(2,450)
MECHANICAL UTILITIES	LS			(110)
DEMOLITION	LS			(20)
SUBTOTAL				8,110
CONTINGENCY (5%)				410
TOTAL CONTRACT COST				8,520
SIOH (5.7%)				490
SUBTOTAL				9,010
TOTAL REQUEST ROUNDED				9,010
TOTAL REQUEST				9,013
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(218)

10. Description of Proposed Construction:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Fuller Road Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	85110	P588	9,013

Constructs additional traffic lanes on Fuller Road from US Highway 1 to Mason Drive. Traffic lanes will be constructed to Virginia Department of Transportation Road Specifications. Relocates and upgrades the existing access control point at Gate 1. Includes a low-rise gatehouse, low-rise sentry houses and personnel weather shelters. The gatehouse is comprised of a concrete slab on grade foundation, concrete masonry unit (CMU) wall structure with brick and cast stone veneer and a sloped standing seam metal roof. The sentry houses will be constructed of steel framing, CMU walls with brick veneer and ballistic glass. These facilities provide shelter and workspace for highly-trained and mission-capable security forces who implement antiterrorism and physical security measures and vehicle inspection procedures.

Other facilities include a canopy structure and outdoor storage area to support Access Control Point functions. The canopy structure comprises drilled piers with spread footings, structural steel frame with brick veneer and a sloped standing seam metal roof. The appearances of vertical structures will comply with the base exterior architecture plan including georgian architectural facades.

Information systems include basic telephone, computer network, fiber optic, security, fire alarm systems and infrastructure.

This project will provide Anti-Terrorism/Force Protection (ATFP) features in compliance with ATFP regulations and physical security in accordance with DoD minimum anti-terrorism standards for buildings.

Built-in equipment includes secure weapons and communications storage, uninterrupted power systems and generator.

Special costs include post construction contract award services.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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. Additional site preparation includes demolition of pavement, sanitary sewer, communication line and signage.

Paving and site improvements include concrete generator pad, grading, three parking spaces, roadway improvements, curbs, sidewalks, landscaping, fencing, signs and stormwater management measures.

Electrical utilities include relocation and replacement of primary and secondary distribution systems, lighting, underground transformers, lightning protection, security system, traffic signals and telecommunications infrastructure. Relocation is required to ensure the system is not in the roadbed.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines.

The project will demolish Building #3084A (21.73m2). Building 3084A is located at Gate 1 on Fuller Road.

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: 11,954 m2 **Adequate:** 43 m2 **Substandard:** 0 m2

PROJECT:

This project will construct two additional traffic lanes along Fuller Road from U.S. Highway 1 to Mason Drive and turning and inspection lanes in order to provide adequate ATFP security capabilities and reduce traffic congestion on public highways and the installation. Provides a new access control point at Gate 1, a new gatehouse and two sentry buildings.

(Current Mission)

REQUIREMENT:

Provide effective security at the main gate in order to provide efficient and thorough screening and positive ID check of personnel entering the installation. Improve traffic flow on Fuller Road by expanding the number of traffic lanes. The current traffic engineering metric, Level of Service (LOS) along Fuller Road at the U.S, Highway 1 intersection, is currently LOS E. LOS E describes operations at capacity. Flow becomes irregular and

speed varies rapidly because there are virtually no usable gaps to maneuver in the traffic stream and speeds rarely reach the posted limit. Any disruption to traffic flow will create a shock wave affect on traffic upstream. Any incident will create serious delays. At the Fuller Heights Road/Fuller Road intersection, the LOS is F which is defined as a breakdown in vehicular flow. Fuller Heights Road serves various businesses and residential communities. Flow is forced, with every vehicle moving in lockstep with the vehicle in front of it, with frequent slowing required.

CURRENT SITUATION:

The current front gate and security check guard house does not provide adequate facilities necessary to properly and efficiently screen personnel and vehicles entering the gate during peak rush hours. Along this 2-lane corridor traffic is extremely heavy during the morning and afternoon peak periods. During morning peak periods, traffic regularly backs up on public roads and highways creating an extremely hazardous situation. This safety hazard causes abrupt traffic stops in the main travel lanes.

IMPACT IF NOT PROVIDED:

Deferral of this project will cause continued massive traffic tie-ups with vehicles being held up well outside the main gate and extending onto public roads and highways. The queuing outside the gate will continue to increase the ATFP risk and the accident potential. Traffic on base will continue to experience heavy loads on a two lane road during the morning and afternoon rushes, resulting in inefficiency, as motorists will not be able to conduct business in a timely manner, and difficult commutes will continue for all base personnel.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	11/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$310
(B) All other design costs	$103

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Fuller Road Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	85110	P588	9,013

(C) Total $413
(D) Contract $103
(E) In-house $310
4. Contract award: 01/2014
5. Construction start: 03/2014
6. Construction complete: 01/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	O&MMC	2014	38
Comms/IT Equipment	PMC	2015	30
Physical Security Equipment	PMC	2015	150

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: (703) 784-5490

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Fuller Road Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	85110	P588	9,013

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Academic Instruction Facility TECOM Schools

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P677	25,731

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ACADEMIC INSTRUCTION FACILITY TECOM SCHOOLS (68,746 SF)	m2	6,386.7		18,240
APPLIED INSTRUCTION FACILITY (68,746 SF)	m2	6,386.7	2,399.12	(15,320)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(440)
BUILT-IN EQUIPMENT	LS			(1,770)
SPECIAL COSTS	LS			(230)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(180)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(300)
SUPPORTING FACILITIES				4,130
PAVEMENT FACILITIES	LS			(90)
SITE PREPARATIONS	LS			(470)
PAVING AND SITE IMPROVEMENTS	LS			(1,670)
ANTI-TERRORISM/FORCE PROTECTION	LS			(120)
ELECTRICAL UTILITIES	LS			(1,570)
MECHANICAL UTILITIES	LS			(210)
SUBTOTAL				22,370
CONTINGENCY (5%)				1,120
TOTAL CONTRACT COST				23,490
SIOH (5.7%)				1,340
SUBTOTAL				24,830
DESIGN/BUILD - DESIGN COST				890
TOTAL REQUEST ROUNDED				25,720
TOTAL REQUEST				25,731
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(9,153)

10. Description of Proposed Construction:

Constructs a multi-story Applied Instruction Facility with reinforced, continuous concrete spread footings with slab-on-grade foundation, cast stone and brick veneer on reinforced concrete masonry unit (CMU) with sloped standing seam metal roof over structural steel framing. The

interior will be finished with a combination of tile, carpet, painted CMU walls, suspended gypsum board, acoustical ceiling tiles and raised flooring to accommodate computer wiring and heating, ventilation and air conditioning ductwork. One passenger and one freight elevator is required. Service core areas consist of applied instruction classrooms, administrative offices, conference rooms, libraries, a Battle Staff Training Facility, storage space and restrooms. Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure. This facility will be designed and constructed to meet the requirements of the architectural barriers act. The building appearance complies with the base exterior architecture plan including georgian architectural facades.

This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, physical security and progressive collapse mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.

Built-in equipment includes a freight elevator, a passenger elevator, movable partitions and raised flooring.

Special costs include post construction contract award services including Geospatial Survey and Mapping.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Pavement facilities include a dumpster pad, a mechanical yard, a loading dock, pads for back-up generators, a transformer pad, electrical connections and fence with gates for pedestrian and vehicular access, and a Combat Operations Center outdoor training facility with concrete training pad.

Site preparation includes site clearing, excavation, grading and preparation for construction.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Academic Instruction Facility TECOM Schools

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P677	25,731

Paving and site improvements include approximately 350 parking spaces, roadways, pervious surfaces, curbs, sidewalks, retaining wall, bicycle rack, landscaping with native drought resistant plants, fencing, signs, storm-water drainage, rain gardens and a subsurface sand filter system.

Electrical utilities include primary and secondary distribution systems, lighting, transformers and telecommunications infrastructure.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, 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: 97,614 m2 **Adequate:** 91,016 m2 **Substandard:** 33,881 m2

PROJECT:

Provide a consolidated applied instruction training facility for use by various Training and Education Command Schools: Command and Control Training and Education Center of Excellence, Marine Corps Civil Military Operations School, Marine Corps Center for Lessons Learned and Marine Air Ground Task Force Staff Training Program. Facility will include classrooms, library space, administrative offices, conference and student areas, locker and storage areas.

(Current Mission)

REQUIREMENT:

Properly configured and consolidated facilities with sufficiant space are required to most effectively provide applied training for various schools and courses.

CURRENT SITUATION:

Existing Training and Education Command functions and courses are located in various facilities onboard Marine Corps Base Quantico. Current conditions do not contribute to an effective learning and training environment. This separation of space disrupts workflow and negatively impacts training, logistics and administrative functions. Several groups are located in temporary facilities (trailers) that do not meet training requirements. Other groups are located in Barrett Hall which is partially uninhabitable due to asbestos and mold infiltration. Tenants that were

located in these spaces now deemed uninhabitable are now sharing space with other tenants in the same facility leading to overcrowding. Barrett Hall is scheduled for future demolition in accordance with the MCU recapitalization plan.

IMPACT IF NOT PROVIDED:

Training will continue in inadequate facilities and trailers leading to a less than effective learning environment.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	11/2011
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy Study/Life Cycle Analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design	No
(B) Where design was previously used	

3. Total Cost (C) = (A) + (B) = (D) + (E):

(A) Production of plans and specifications	$884
(B) All other design costs	$295
(C) Total	$1,179
(D) Contract	$295
(E) In-house	$884

4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	01/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	O&MMC	2015	3,661
IT Equipment	PMC	2015	5,492

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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Academic Instruction Facility TECOM Schools

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P677	25,731

are incompatible with use by other components.

Activity POC: Project Development Lead Phone No: 703-784-5490

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M00264	4. Project Title
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA	Academic Instruction Facility TECOM Schools

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17135	P677	25,731

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N60191	4. Command	5. Area Const Cost Index
NAS OCEANA VA VIRGINIA BEACH, VIRGINIA	Commander Navy Installations Command	.94

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	340	2304	1079	0	424	0	29	0	0	4176
B. End FY 2017	358	2617	414	0	424	0	0	0	0	3813

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(19581 Acres)	
B. INVENTORY AS OF 30 SEP 2012	2,816,665
C. AUTHORIZATION NOT YET IN INVENTORY	14,170
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,587
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	33,910
G. REMAINING DEFICIENCY	156,710
H. GRAND TOTAL	**3,032,042**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21210	Aerial Target Operation Consolidation	09/2012	03/2013	1750 m2	10,587
				TOTAL	10,587

9. Future Projects:

A. Included In The Following Program:		
B. Major Planned Next Three Years:		
13117	Maritime Surveillance System Facility	25,000
72210	Consolidate Base Galley and Enlisted Club	8,910
	TOTAL	33,910
C. R&M Unfunded Requirement ($000):		791,048

10. Mission or Major Functions:

This Atlantic Fleet master jet base provides operational support to fighter/attack squadrons which deploy on Atlantic Fleet aircraft carriers, one adversary fighter squadron, reserve units, and a Fleet Readiness Squadron. It also provides support to ALF (Auxiliary Landing Field) Fentress.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60191(DN)	4. Project Title
NAS OCEANA VA (DAM NECK) VIRGINIA BEACH, VIRGINIA	Aerial Target Operation Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21210	P815	10,587

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AERIAL TARGET OPERATION CONSOLIDATION (18,837 SF)	m2	1,750		4,480
CENTER OF GRAVITY BUILDING (1,238 SF)	m2	115	5,952.55	(680)
GUIDED MISSLE INTEGRATION FACILITY (17,599 SF)	m2	1,635	1,989.83	(3,250)
BUILT-IN EQUIPMENT	LS			(380)
SPECIAL COSTS	LS			(120)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
SUPPORTING FACILITIES				5,050
SITE PREPARATIONS	LS			(1,340)
SPECIAL FOUNDATION FEATURES	LS			(800)
PAVING AND SITE IMPROVEMENTS	LS			(1,510)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
ELECTRICAL UTILITIES	LS			(930)
MECHANICAL UTILITIES	LS			(210)
DEMOLITION	LS			(240)
SUBTOTAL				9,530
CONTINGENCY (5%)				480
TOTAL CONTRACT COST				10,010
SIOH (5.7%)				570
SUBTOTAL				10,580
TOTAL REQUEST ROUNDED				10,580
TOTAL REQUEST				10,587
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(560)

10. Description of Proposed Construction:

Constructs a multi-story Guided Missile Integration Facility (GMIF) with concrete masonry unit walls and structural steel framing on pile foundation with a range observation penthouse, a stand-alone center-of gravity building with concrete masonry unit walls on pile foundation and structural steel framing with a range operations center, a launch site for aerial targets, provides a mass notification and fire protection system, repairs

an existing aerial target launch pad and connects an existing septic tank sewer system to the base's main sewer system.

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 to include blast proof glass and doors, exterior lighting and access road security gates.

Built-in equipment includes elevator, overhead doors, monorail crane system and fire booster pump.

Special costs include post construction contract award services.

Site preparation includes site clearing, excavation and preparation for construction.

Special foundation features include pile driving.

Paving and site improvements include resurfacing all existing asphalt surfaces, parking for approximately 60 vehicles, launch pad, launch pad road and access roads.

Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure.

Demolish Buildings #462 (557 m2), #471 (167 m2), #472 (167 m2), #474 (187 m2) and #475 (396 m2) for a total of 1,474 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: 1,750 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Constructs a GMIF, range operations center, center-of-gravity alignment building and aerial target launch pad.

(Current Mission)

REQUIREMENT:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60191(DN)	4. Project Title
NAS OCEANA VA (DAM NECK) VIRGINIA BEACH, VIRGINIA	Aerial Target Operation Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21210	P815	10,587

Naval Air Warfare Center Aircraft Division/Atlantic Target Marine Operations (NAWCAD/ATMO) provides the Atlantic Fleet with threat-representative aerial targets that simulate air to surface and surface-to-surface anti-ship cruise missiles. NAWCAD/ATMO is required to assemble, test, maintain, launch, control and recover the Atlantic Fleet's only operational targets.

This project provides for uninterrupted, critical mission essential surface/aviation operations systems, weapons and radar systems training. Current facilities can only maintain and launch the BQM-74E aerial target. The future follow-on sub-sonic aerial target (SSAT) is scheduled for deployment in 2016, replacing the BQM-74E and will require the BQM-34S aerial target to provide similar target simulators. The BQM-34S and SSAT both require center-of-gravity (CG)/alignment functions not required by the BQM-74E. A CG/alignment facility, which does not currently exist, is required for pre-launch Jet Assist Take Off (JATO) unit installation and critical alignment calibrations on the BQM-34S.

This project will consolidate the functions currently being performed in five buildings into one guided missile integration facility. A second building will meet the new CG/alignment requirement associated with the BQM-34S and future SSAT.

CURRENT SITUATION:

Atlantic Fleet aerial target operations take place at NAS Oceana/Dam Neck Annex using the BQM-74E aerial target over the Atlantic Ocean. As a mobile target and the target of choice for Fleet training, the BQM-74E target type is steadily attriting and is expected to be depleted by 2014 at current usage rate. Once this happens BQM-34S will be used for training. The initial operating capability for the SSAT is projected in 2016 but may continue to move into the out-years. This project addresses the changes in equipment and maintenance requirements for the SSAT and remaining stock of BQM-74E and BQM-34S aerial targets. The BQM-74E target model is no longer in production. NAWCAD/ATMO will continue to use the BQM-74E aerial target until the inventory is depleted. In the meantime, range operations will use the older, but more plentiful, BQM-34S. This target, however, is larger (22'9" long x 12'9" wingspan) than the 15' long BQM-74E target and requires more space for build-up, pre-launch calibration, storage and launch operations. Existing facilities and asset configuration cannot support the larger BQM-34S and SSAT aerial targets. None of the existing bldgs can support or be modified to support the CG/alignment maintenance requirement. NAWCAD/ATMO's departments/functions (missile build-up,

avionics, jet engine assemble, paraloft, storage and Range Operations Center) are located in five buildings, at separate locations, at Dam Neck Annex, including Building #475.

Building #475 is the main aerial target operations facility for assembling and calibrating the current BQM-74E aerial target inventory. Building #475 was constructed in 1956, is a semi-permanent facility and has extensive structural deterioration caused by continuous exposure to salt air resulting in high risk to wall/roof failure in the event of future destructive east coast storms/hurricanes. Building #475 cannot provide adequate space for BQM-34S and follow-on SSAT build-up, electronics testing, engine run-up, target wash-down or training. Existing overcrowded conditions force target maintenance personnel to conduct portions of their maintenance operations outdoors and inclement weather affects maintenance operations resulting in operational delays. To provide more space for assembly and maintenance in Building #475, the power-plant, avionics, paraloft, and quality assurance work centers were moved to Building #462 (former auto hobby shop). Existing electrical service outlets and phone lines are inadequate to support future operational requirements. Much of the missile build-up area (shop area) is a pre-engineered metal addition to the original cinderblock facility.

Buildings #471 and #472 (constructed in 1975) are semi-permanent sheds used for aerial target storage. These facilities do not meet the storage capacity requirements for the existing BQM-74E targets nor the projected BQM-34S and SSAT target inventories and do not have fire detection nor suppression systems. Currently, excess target inventory is stored outdoors in shipping containers.

IMPACT IF NOT PROVIDED:

If project is not implemented all aerial target support for Fleet training, and combat ship systems qualification trial for surface and aviation enterprises will cease upon the depletion of the existing BQM-74E inventory in 2014. The only other location for this training is the west coast, pacific fleet ranges. Cost estimates for sailing/flying Atlantic Fleet units to the west coast were not calculated because this is not a realistic scenario.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	09/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	03/2013

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60191(DN)	4. Project Title
NAS OCEANA VA (DAM NECK) VIRGINIA BEACH, VIRGINIA	Aerial Target Operation Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21210	P815	10,587

(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	Yes
(B) Where design was previously used	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$780
(B) All other design costs	$260
(C) Total	$1,040
(D) Contract	$260
(E) In-house	$780
4. Contract award:	04/2014
5. Construction start:	05/2014
6. Construction complete:	11/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
C4I	OPN	2015	120
Furniture/Fixtures & Equipment (FF&E)	OMN	2015	380
IDS/ESS/PSE	OPN	2015	60

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) 433-2581

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N60191(DN)	4. Project Title
NAS OCEANA VA (DAM NECK) VIRGINIA BEACH, VIRGINIA	Aerial Target Operation Consolidation

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21210	P815	10,587

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N69212	4. Command	5. Area Const Cost Index
NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	Commander Navy Installations Command	.94

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	111	1841	396	0	0	0	14	9	0	2371
B. End FY 2017	117	1843	0	0	0	0	14	9	0	1983

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(10748 Acres)	
B. INVENTORY AS OF 30 SEP 2012	1,124,311
C. AUTHORIZATION NOT YET IN INVENTORY	8,070
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,700
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	17,550
G. REMAINING DEFICIENCY	135,432
H. GRAND TOTAL	**1,304,063**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
17940	Small Arms Ranges	06/2012	05/2014	713 m2	18,700
				TOTAL	18,700

9. Future Projects:

A. Included In The Following Program:

B. Major Planned Next Three Years:

15966	Expeditionary/Security Boat Ramp	5,550
17940	7.62mm Outdoor Rifle Range	12,000
	TOTAL	17,550

C. R&M Unfunded Requirement ($000): 444,174

10. Mission or Major Functions:

Naval Weapons Station Yorktown is the Navy's premier weapons facility. The station and tenant commands provide ordnance logistics, technical, supply and related services to the Atlantic Fleet. The Marine Corps Security Force Regiment (MCSFR) provides limited duration expeditionary antiterrorism and security forces in support of designated component and geographic combatant commanders in order to protect vital naval and national assets. The regiment provides expeditionary antiterrorism and security forces, deployable from the United States, to establish or augment security as directed by Commander Marine Forces Command via Commander II Marine Expeditionary Force. The MCSFR maintains permanent forces to provide security for strategic weapons at designated facilities.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69212	4. Project Title
NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	Small Arms Ranges

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17940	P461	18,700

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
SMALL ARMS RANGES (7,675 SF)	m2	713		3,020
ARMORY (1,023 SF)	m2	95	2,549	(240)
RANGE OPERATIONS BUILDING (3,724 SF)	m2	346	2,822.73	(980)
SAFETY OFFICER/TARGET STORAGE BUILDING (431 SF)	m2	40	2,179	(90)
TARGET FABRICATION BLDG (1,862 SF)	m2	173	2,179	(380)
MAGAZINE (635 SF)	m2	59	3,772	(220)
BUILT-IN EQUIPMENT	LS			(620)
SPECIAL COSTS	LS			(170)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(300)
SUPPORTING FACILITIES				13,250
SPECIAL CONSTRUCTION FEATURES	LS			(590)
PAVEMENT FACILITIES	LS			(3,680)
SITE PREPARATIONS	LS			(4,250)
PAVING AND SITE IMPROVEMENTS	LS			(1,160)
ELECTRICAL UTILITIES	LS			(2,220)
MECHANICAL UTILITIES	LS			(1,050)
DEMOLITION	LS			(300)
SUBTOTAL				16,270
CONTINGENCY (5%)				810
TOTAL CONTRACT COST				17,080
SIOH (5.7%)				970
SUBTOTAL				18,050
DESIGN/BUILD - DESIGN COST				650
TOTAL REQUEST ROUNDED				18,700
TOTAL REQUEST				18,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(639)

10. Description of Proposed Construction:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69212 NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	4. Project Title Small Arms Ranges

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17940	P461	18,700

Project constructs an outdoor range facility to include one 27 lane known distance (KD) rifle range, one 27 lane pistol range and supporting facilities necessary to relocate the Dam Neck detachment of the Marine Corps Security Forces Regiment (MCSFR). Range support buildings include an armory, an administration/classroom building, weapons cleaning area, covered briefing areas, a target fabrication shop, a covered firing line on the pistol range, a shooting tower on the rifle range, a target storage building on the rifle range and toilet facilities at each range.

The KD range will have multiple firing lines, up to 457 meters from a butt type target system, and a shooting tower with increased target distances, supporting rounds up to 7.62mm.

The pistol range will have multiple lanes with targets at distances up to 46 meters and support 9mm pistol rounds.

The armory will be reinforced concrete walls and roof with concrete slab on grade and shallow foundations. The administration and classrooms will be in a reinforced concrete masonry building with brick veneer, concrete slab on grade, shallow foundations and light gage steel roof trusses with insulated metal deck and standing seam metal roof. The target storage area and the target fabrication shop will both be pre-engineered metal buildings with concrete slab on grade and shallow foundations.

A new magazine will be required to replace the existing explosive ordnance disposal (EOD) magazines to be demolished with this project. The magazine will be a standard design with reinforced concrete floor, walls and roof, shallow foundations, intrusion detection system (IDS) and special blast-resistant doors.

Built-in equipment will include a butt type target system for the rifle range, "running man" movable target system on the rifle range, fixed target mounts for the pistol range, public announcement system/communications at each range at each firing line, range and flag poles at each range and an uninterruptable power supply for the armory.

Special costs include post construction award services.

Operations and maintenance support information is included in the project.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and

executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special construction features include outdoor range toilet facilities, weapons cleaning area for the armory, brass sorting facility, shooting tower, covered firing line at the pistol range and covered briefing shelters.

Pavement facilities include the widening and paving of rural secondary roads to include the existing patrol road (Burma Road) and the relocation and paving of portions of Cheesecake Road. Project also includes pavement upgrades to Burma Road to the existing EOD range and the access road to the relocated EOD magazine.

Site preparation includes site clearing, excavation and preparation for construction. Mitigation of impacts to jurisdictional wetland areas will be required.

Paving and site improvements include grading, parking for approximately 80 vehicles, supplemental roadways (frontage/cross/local access roads), sidewalks, landscaping, fencing, signs and storm water drainage. In addition, a seeding range area, loading-unloading and dumpster pad, armory and ready service locker fencing, concrete wall on rifle berm and vehicle control gates will be required to prevent vehicles from entering the surface danger zone (SDZ) while the ranges are in use.

This project will include Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations and physical security in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.

Electrical utilities include primary and secondary distribution systems, lighting, transformers and telecommunications infrastructure.

Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines.

The project demolishes the following facilities: #22KT1 (6.5m2), #22KT2 (6.5m2), #22KT3 (6.5m2), #22KT4 (6.5m2), #22KT5 (6.5m2), #22KT6 (6.5m2), #22KT7 (6.5m2), #22KT8 (6.5m2), #22KT9 (6.5m2), #3BT1 (108m2), #3BT2

(108m2), #3BT3 (108m2), #3BT4 (108m2), #3BT5 (108m2), #3BT6 (108m2) and #3BT7 (108m2). All of these buildings are currently used for the storage of explosives.

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: 726 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

The project constructs two ranges and supporting facilities. The ranges include a 27 lane known distance (KD) rifle range for use with weapons up to 7.62mm and a 27 lane pistol range limited to shotguns (12 gage) and 9mm handguns. The range area will be cleared and graded. An earthen berm will be constructed behind the target lines using imported soils which will be amenable to bullet capture and will be devoid of hard clay or stones. The range will incorporate various types of target systems including butt type systems, running man targets and wood frame targets. Butt type systems will provide targets allowing scorers downrange to raise, lower, and score the targets at known distances.

Range support buildings include an administration/classroom building, an armory, weapons cleaning area, covered briefing areas, a target fabrication shop, a covered firing line on the pistol range, a shooting tower on the rifle range, a target storage building on the rifle range and toilet facilities at each range. Site support facilities will include flag poles, firing line communications, parking, service drives and range maintenance roads. Improvements to the off-site access roadway system, widening and paving of existing gravel roads and pavement upgrades to an access road and Burma Road will be required to support the new ranges. Material in the magazines where the SDZ rifle ranges will overlap will be relocated and the magazines demolished. A new magazine will be required to provide additional capacity to accommodate the remainder of the existing magazines (EOD) to be removed. The new magazine will be located on a former magazine site outside of the rifle range SDZ.

(Current Mission)

REQUIREMENT:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69212	4. Project Title
NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	Small Arms Ranges

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17940	P461	18,700

MCSFR is the dedicated security and anti/counterterrorism unit of the USMC. MCSFR provides security forces to guard high-value naval installations (nuclear vessel and weapons based) and provides direct support to Naval Component Commanders and world wide deployment of Fleet Antiterrorism Security Teams (FAST) in support of five different geographic Combatant Command Areas of Responsibility.

Project proposes to provide mission critical replacement like-in-kind ranges and supporting facilities/infrastructure for the MCSFR Range Detachment at Dam Neck VA and allows relocation of these existing range capabilities to Naval Weapons Station Yorktown for collocation with MCSFR HQ and other MCSFR FAST Companies/supporting elements.

This project significantly enhances the quality of training in support of the MCSFR's Mission Essential Task List in meeting operational mission requirements and improves command and control. Construction of new range and supporting facilities/infrastructure at Naval Weapons Station Yorktown allows relocation of the MCSFR Range Detachment in total from Dam Neck VA to Naval Weapons Station Yorktown. This action is an operational imperative and provides an effective organizational/functional consolidation with the HQ and other MCSFR Fleet Antiterrorism Security Team Companies/supporting elements and gains efficiencies in training coordination. Geographic dispersion is eliminated, thereby unit travel is decreased and number of training days increased. New construction includes two ranges, administrative offices, classroom space, an armory, weapons cleaning area, covered briefing areas, a target fabrication shop, a covered firing line on the pistol range, a shooting tower on the rifle range, a target storage building on the rifle range and toilet facilities at each range. Project also includes road improvements for off-site access to the range site, relocated EOD storage magazines to allow bus access to the ranges and emergency access to the EOD site and force protection features to meet statutory standoff distances.

CURRENT SITUATION:

MCSFR Range Detachment at Dam Neck VA is not collocated with the MCSFR HQ and FAST Company/supporting elements to conduct required face-to-face range coordination/training creating logistical burdens and time constraints for training planning/coordination activities/operational events. Additional impacts are increased unit costs for administrative overhead for travel and fuel along with lost training time.

IMPACT IF NOT PROVIDED:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69212	4. Project Title
NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	Small Arms Ranges

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17940	P461	18,700

Without this project, mission readiness will be negatively impacted due to logistical issues associated with traveling within the Tidewater Region of Virginia area since the unit will be located in one area while the training range is located at a different installation. Continued consolidation of Marine Corps Security Force Regiment units will not be fully implemented resulting in continued geographical dispersion and command and control issues.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	06/2012
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$560
(B) All other design costs	$280
(C) Total	$840
(D) Contract	$560
(E) In-house	$280
4. Contract award:	02/2014
5. Construction start:	06/2014
6. Construction complete:	06/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
C4ITI	O&MMC	2015	60
C4ITI (PROC)	PMC	2015	30
FF&E	O&MMC	2015	204
FF&E for Armory	O&MMC	2015	132
Physical Security Equipment	PMC	2015	200
Ready Service Locker	O&MMC	2015	13

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69212	4. Project Title
NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	Small Arms Ranges

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17940	P461	18,700

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: 619-437-0908

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N69212	4. Project Title
NAVAL WEAPONS STATION YORKTOWN YORKTOWN, VIRGINIA	Small Arms Ranges

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	17940	P461	18,700

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N68436	4. Command	5. Area Const Cost Index
NAVAL BASE KITSAP BREMERTON WA BANGOR, WASHINGTON	Commander Navy Installations Command	1.2

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	594	6008	2314	0	0	0	33	34	0	8983
B. End FY 2017	573	6085	0	0	0	0	33	34	0	6725

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(6609 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	3,279,454
C.	AUTHORIZATION NOT YET IN INVENTORY	0
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	0
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	229,716
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	961,489
H.	**GRAND TOTAL .....**	**4,470,659**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
15110	Explosives Handling Wharf #2, Inc 3	02/2010	10/2011	51382 m2	

9. Future Projects:

A. Included In The Following Program:

21365	Regional Ship Maintenance Support Facility	15,250
15120	SSN Pier Support	73,022
16910	WRA Land/Water Interface	48,321
15210	Explosives Handling Wharf #2, Inc 4	93,123
	TOTAL	229,716

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 2,283,811

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 Squadron, Trident Refit 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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N68436(BA)	4. Project Title
NAVAL BASE KITSAP BREMERTON WA (BANGOR WA) BANGOR, WASHINGTON	Explosives Handling Wharf #2 - Inc 3

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15110	P990B	24,880

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
EXPLOSIVES HANDLING WHARF #2 - INC 3 (553,073 SF)	m2	51,382.16		350,050
EXPLOSIVE HANDLING WHARF W/ WARPING WHARF (137,918 SF)	m2	12,813	10,816.5	(138,590)
WHARF SUPPORT BUILDING & COVER (138,671 SF)	m2	12,883	6,744.97	(86,900)
WHARF APPROACH TRESTLE (84,841 SF)	m2	7,882	5,752.66	(45,340)
PURE WATER FACILITY (3,045 SF)	m2	282.89	6,041	(1,710)
WATERFRONT OPERATIONS FACILITY (15,123 SF)	m2	1,405	3,258.38	(4,580)
SUBMARINE MAINTENANCE SUPPORT FACILITY (20,150 SF)	m2	1,872	4,240	(7,940)
SQUADRON ADMINISTRATION BUILDING (2,037 SF)	m2	189.27	6,490	(1,230)
WATERFRONT SERV SUPPORT BLDG (19,999 SF)(RENOVATE)	m2	1,858	1,119.5	(2,080)
LIGHTNING TOWERS (SIX)	m2	502	20,220	(10,150)
SPECIAL LIGHTNING PROTECTION	m2	11,695	90.7	(1,060)
BUILT-IN EQUIPMENT	LS			(20,540)
SPECIAL COSTS	LS			(26,660)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(690)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(2,580)
SUPPORTING FACILITIES				78,880
SPECIAL CONSTRUCTION FEATURES	LS			(2,330)
SITE PREPARATIONS	LS			(1,630)
PAVING AND SITE IMPROVEMENTS	LS			(8,710)
ANTI-TERRORISM/FORCE PROTECTION	LS			(850)
ELECTRICAL UTILITIES	LS			(17,270)
MECHANICAL UTILITIES	LS			(11,700)
DEMOLITION	LS			(770)
FACILITIES IMPACTED BY NEW	LS			(3,810)

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N68436(BA)	4. Project Title
NAVAL BASE KITSAP BREMERTON WA (BANGOR WA) BANGOR, WASHINGTON	Explosives Handling Wharf #2 - Inc 3

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15110	P990B	24,880

EXPLOSIVE SAFETY ARCS					
PURE WATER FACILITY - SUPPORTING FACILITIES	LS				(1,840)
WATERFRONT OPS FACILITY - SUPPORTING FACILITIES	LS				(3,760)
SUBMARINE MAINT. FACILITY - SUPPORTING FACILITIES	LS				(1,500)
SQUADRON ADMIN BUILDING - SUPPORTING FACILITIES	LS				(2,280)
ENV MITIGATION & NECESSARY INTEREST IN LAND	LS				(22,430)
SUBTOTAL					428,930
CONTINGENCY (5%)					21,450
TOTAL CONTRACT COST					450,380
SIOH (5.7%)					25,670
SUBTOTAL					476,050
TOTAL REQUEST ROUNDED					476,050
TOTAL REQUEST					476,046
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					(6,756)

10. Description of Proposed Construction:

Constructs Explosives Handling Wharf 2 (EHW-2) and wharf support building. EHW-2 consists of a reinforced concrete deck, outboard support for cover, warping wharf supporting the alignment/positioning of the submarine and approach trestle connecting the wharf to the land. The wharf support building has a steel shell over the majority of the wharf, bridge crane (two) facilities and multi-level climate controlled areas for waterfront production and equipment storage.

Six lightning towers on a deep water, pile foundation are provided in support of the specialized lightning protection/grounding systems protecting the structures and wharf.

Built-in equipment includes an electrical power boom for shore to submarine service, elevator, uninterrupted power supply, submarine constant tension mooring device and four interior hardened guard fighting positions.

Special costs include post construction contract award services, Washington State gross receipts tax, special security requirements such as security

escorting, operational scheduling impacts, traffic mitigation and unclassified controlled nuclear information (UCNI) production and handling costs to account for special production of plans and specifications, special handling and review time, control and storage of UCNI material.

Electrical utilities include wharf lighting and power distribution systems shore side to the wharf and on the wharf. Building costs include telephone, fiber optic, local area network and alarm systems.

Special construction features include ready reaction force areas, station hook-ups and coordination, and construction of a special contractor's secure lay-down area.

Paving and site improvements include site preparation, grading, landscaping, sidewalks, curbs, parking, roadways, road guardrails, contaminated soil removal, stepped bulkhead construction, slope protection, fencing, exterior wharf screening and storm-water drainage.

Project includes the costs associated with facilities impacted by the new explosive safety quantity distance (ESQD) arc created by the location of EHW-2. Buildings that must remain in their existing locations for operational reasons will be hardened in order to withstand the calculated blast overpressure for those locations. Facilities to be hardened include administration offices in Building #7125 and thirteen waterfront shop trailers.

Facilities that cannot be economically hardened or whose location is not required within a restrictive ESQD arc will be relocated to new or existing facilities and the old facilities will be demolished. The facilities to be demolished include waterfront shops Building #7408 (479 m2), temporary services shop Building #7064 (418 m2), rigging shop Building #7068 (418 m2), submarine squadron administration Building #7053 (189 m2), pure water building #7604 (283 m2), and K/B spit facilities including advance undersea weapons Building #7246 (403 m2), waterfront support Building #7247 (197 m2) and six waterfront support structures (579 m2).

Constructs four facilities including a pure water facility, waterfront operations facility, submarine maintenance support facility and squadron administration facility to accommodate the operations from the buildings to be demolished.

Environmental mitigation in compliance with state and local law, includes

sound mitigation to protect mammals, 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, premiums for deck features and lighting for fish habitat concerns and premiums for environmentally caused delays.

This project will provide Anti-Terrorism (AT) features and comply with AT regulations, physical security and progressive collapse mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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: 38,738 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

Provides an explosive handling wharf (EHW) to berth a TRIDENT II strategic ballistic missile submarine (SSBN) for loading/offloading missiles, torpedoes, and ordnance. The wharf allows guided missile submarines (SSGN) explosives handling as a backup capability. The EHW will also function as a lay berth when there is no ordnance handling.

(Current Mission)

REQUIREMENT:

Utilization of EHW-1 for strategic weapons systems handling has increased exceeding the capacity of EHW-1. A second EHW is needed to meet Department of the Navy and United States Strategic Command requirements.

An EHW provides space to berth a SSBN for loading/offloading missiles, torpedoes and ordnance. A warping wharf is provided to properly position and orient the submarine for berthing in the covered slip.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N68436(BA)	4. Project Title
NAVAL BASE KITSAP BREMERTON WA (BANGOR WA) BANGOR, WASHINGTON	Explosives Handling Wharf #2 - Inc 3

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15110	P990B	24,880

EHW-2 will create new explosive safety arcs requiring the hardening of existing facilities and demolition and relocation into new hardened facilities based on exposure. Facilities will provide the same function and capacity as the facilities that are replaced. The facilities on K/B spit will be replaced with a larger footprint to meet the existing requirement of Naval Undersea Warfare Command (NUWC) and the existing functions of the US Coast Guard Maritime Force Protection Unit (MFPU) supporting the SSBN transit protection system.

CURRENT SITUATION:

Strategic Weapons Facility, Pacific is currently operating two shifts in an attempt to keep up with SSBN operational requirements and has conducted and implemented continuous improvement process procedures to streamline handling operations. The requirement for safety and security, however, limits the ability to further reduce handling time.

The new K/B Spit facility will restore the space that was previously assigned to NUWC in Building #7246 but is currently being occupied by MFPU along with the replacement of the six inadequate waterfront structures currently being used by MFPU.

IMPACT IF NOT PROVIDED:

If EHW-2 is not provided, neither the Department of the Navy nor United States Strategic Command can fully meet mission requirements. Additional impacts are classified.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	02/2010
(B) Date 35% Design or Parametric Cost Estimate complete	10/2010
(C) Date design completed	10/2011
(D) Percent completed as of September 2012	95%
(E) Percent completed as of January 2013	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	$13,800
(B) All other design costs	$9,300
(C) Total	$23,100
(D) Contract	$22,725

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N68436(BA)	4. Project Title
NAVAL BASE KITSAP BREMERTON WA (BANGOR WA) BANGOR, WASHINGTON	Explosives Handling Wharf #2 - Inc 3

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	15110	P990B	24,880

(E) In-house $375
4. Contract award: 05/2012
5. Construction start: 07/2012
6. Construction complete: 01/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Com / Data Equipment	OPN	2016	100
Non-Technical Collateral Equipment	OPN	2016	416
Physical Security Equipment	OPN	2016	1,040
Technical Collateral Equipment	OPN	2016	5,200

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.

Authorization and Appropriation Summary

	Authorization ($000)	Auth of Approp ($000)	Appropriation ($000)
FY 2012 Approved by Congress	715,000	78,002	78,002
FY 2013 Request	0	280,041	280,041
FY 2013 Approved by Congress	0	-25,800	TBD
FY 2014 Request	0	24,880	24,880
Future Request	0	118,923	93,123
Total	715,000	476,046	476,046

Activity POC: Project Development Lead Phone No: (202) 433-7140

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N68436	4. Command	5. Area Const Cost Index
NAVAL BASE KITSAP BREMERTON WA BREMERTON, WASHINGTON	Commander Navy Installations Command	1.2

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	594	6008	2314	0	0	0	33	34	0	8983
B. End FY 2017	573	6085	0	0	0	0	33	34	0	6725

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(1311 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	4,535,622
C.	AUTHORIZATION NOT YET IN INVENTORY	76,487
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	18,189
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	19,540
G.	REMAINING DEFICIENCY	244,585
H.	**GRAND TOTAL .....**	**4,894,423**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21310	Integrated Water Treatment Sys Dry Docks 3&4	02/2011	06/2013	3710 m	18,189
				TOTAL	18,189

9. Future Projects:

A. Included In The Following Program:

B. Major Planned Next Three Years:

21370	Regional Maintenance Facility, Phase 2	19,540
	TOTAL	19,540

C. R&M Unfunded Requirement ($000): 2,283,811

10. Mission or Major Functions:

The Mission of Naval Base Kitsap is to serve as the host command for the Navy's fleet throughout West Puget Sound and to provide base operating services, including support for both surface ships and submarines homeported at Bremerton and Bangor. NB Kitsap 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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N68436(SY)	4. Project Title
NAVAL BASE KITSAP BREMERTON WA (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON	Integrated Water Treatment Sys Dry Docks 3&4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21310	P420	18,189

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
INTEGRATED WATER TREATMENT SYS DRY DOCKS 3&4 (12,172 LF)	m	3,710		5,040
DRYDOCK NO 3 (5,771 LF)(RENOVATE)	m	1,759	501.72	(880)
DRYDOCK NO 4 (6,401 LF)(RENOVATE)	m	1,951	546.25	(1,070)
INFORMATION SYSTEMS	LS			(1,600)
SPECIAL COSTS	LS			(1,420)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(70)
SUPPORTING FACILITIES				11,350
SITE PREPARATIONS	LS			(610)
SPECIAL FOUNDATION FEATURES	LS			(5,020)
PAVING AND SITE IMPROVEMENTS	LS			(3,800)
ELECTRICAL UTILITIES	LS			(930)
MECHANICAL UTILITIES	LS			(990)
SUBTOTAL				16,390
CONTINGENCY (5%)				820
TOTAL CONTRACT COST				17,210
SIOH (5.7%)				980
SUBTOTAL				18,190
TOTAL REQUEST ROUNDED				18,190
TOTAL REQUEST				18,189
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(50)

10. Description of Proposed Construction:

Constructs the infrastructure necessary at Drydocks 3 & 4 to bring Puget Sound Naval Shipyard & Intermediate Maintenance Facility (PSNS & IMF) into compliance with current industrial and environmental standards for the collection and treatment of industrial process water from each drydock. The primary and supporting facilities will integrate the existing oily water treatment systems (OWTS) with the existing process water collection system (PWCS) at the dry docks providing added capability and capacity to provide on-site collection, containment, and treatment of process water from the drydock floor.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N68436(SY)	4. Project Title
NAVAL BASE KITSAP BREMERTON WA (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON	Integrated Water Treatment Sys Dry Docks 3&4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21310	P420	18,189

Construction at both drydocks include increased pump size, mid dock booster pumps as required, placement of a berm around the dewatering grates and installation of single pass cooling manifolds. Drydock 3 includes approximately 52 sand traps filled to minimize overflow risk, add two larger sand traps and installs floor channels to transport water to the sand traps. Drydock 4 includes enlarging the sand trap in drydock floor, improvement of the floor channels for water flow and replacement of the floor channel cover plates with smaller grates for more efficient dock cleaning.

Information systems include electronic monitoring and direct digital control system.

Special costs include post construction contract award services and shipyard construction impacts including construction time lost to comply with personnel security screening/badging and vehicle inspections prior to entry and exit to/from the controlled industrial area (CIA), costs of delays to comply with work stoppages due to shipyard drills and mission operations, increased traffic management, required shipyard labor support, and remote material laydown space as well as contractor delays due to government escorts.

Special foundation features include modification to concrete drydock floor trench collection systems and repairs to the Drydock 4 ground water relief system to stop water from reaching the dock floor through existing construction joints to include reactivating pressure relief ports in the floor and/or installation of new pressure relief wells, piping and/or coring.

Paving and site improvements include demolition and removal of existing hose and valve assemblies, paving repair and replacment and handling of contaminated soils and hazardous materials.

Electrical utilities include the electrical distribution system and connections.

Mechanical utilities include piping from drydock drainage system to OWTS treatment plant.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the

Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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: 3,710 m **Adequate:** **Substandard:** 3,710 m

PROJECT:

This project provides an integrated drydock water treatment system at Drydocks 3 & 4 and is required to bring the PSNS & IMF into compliance with the Clean Water Act.

(Current Mission)

REQUIREMENT:

The mission of PSNS & IMF is to overhaul, repair, and recycle US Naval vessels. This type of work is considered depot-level maintenance because it requires painting, blasting, grinding, and replacement of equipment and piping from naval vessels. The majority of the ship overhaul work package must be performed inside of a drydock. This work adds pollutants to the industrial process water that flows off of the drydock floors. Currently, most of the industrial process water is pumped into Sinclair Inlet without treatment.

This project is one of three to provide a new integrated drydock water collection and treatment system and specifically focuses on Drydocks 3 & 4. The first project, FY 2012 P419 provides a new integrated drydock water collection and treatment System at Drydock 6 with the last project, P422, supporting Drydocks 1, 2 & 5.

PSNS & IMF is the only shipyard in the Pacific Fleet Area of Responsibility that provides depot-level maintenance in drydocks for aircraft carriers (CVN), SSN, and SSBN/SSGN submarine warfare platforms. Delays in this maintenance due to court injunction or additional environmental control procedures will directly affect the Pacific Fleet deployment schedules of both CVN's and submarines with the potential to disrupt the deployment schedule of other surface combatants.

The planned treatment process is to capture the industrial process water

that flows off the drydock floors and transport that water to the dockside oily wastewater treatment plants where it will be treated and discharged.

CURRENT SITUATION:

PSNS & IMF performs approximately six to seven drydockings for hull preservation work each year. Painting, blasting, grinding, cutting and welding operations on ships' hulls produce copper and other heavy metal accumulations on dry dock floors and other surfaces. The existing PWCS diverts the first few thousand gallons of dry dock runoff to the city sanitary sewer during a rain event. Sanitary sewer capacity is limited, requiring the remaining effluent to be discharged directly to Puget Sound.

The drydock floor uses a "trough" design. However, the troughs are insufficiently sloped so that debris collects in the troughs, impeding proper drainage. This allows runoff from the drydock floor to bypass the collection system and discharge directly into Puget Sound.

The current Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) permit for PSNS & IMF limits the amount of pollutants that PSNS & IMF can discharge into Puget Sound. Copper (found in ablative paint) and heavy metals (from the hull of the vessels) are the pollutants most commonly found in discharge water from PSNS & IMF. In 1999, PSNS & IMF received the first Notice of Violation (NOV) from the EPA due to multiple violations of the NPDES permit. This NOV required PSNS & IMF to enter into a Federal Facility Compliance Agreement and to develop a strategy to control the amount of copper in drydock effluent.

A second NOV was issued to PSNS & IMF on 21 February 2008 because the Shipyard had been in violation of its NPDES limits 583 occurrences within the prior five years. As a result, the Shipyard is currently exercising extreme measures to control and capture copper containing materials as part of the work processes. Current methods involve painting hulls with rollers, fully encapsulating ships when using spray painting equipment, and sweeping drydock floors and other surfaces daily during production work evolutions. This is an extremely time-consuming and expensive process that has the potential to delay planned ship dockings and cost more than $7 million per year. Impacts to the Fleet include increased time and costs for ship preservation work, potentially decreased availability of drydocks if the increased workload impacts drydocking schedules, and resultant potential impacts on deployment schedules.

By implementing the extreme measures noted above, PSNS & IMF managed to

comply with the discharge limits of its current NPDES permit for a limited time. However, with the renegotiation of the permit, the discharge limits are going to be reduced significantly, placing PSNS & IMF into a position of non-compliance, even with extreme measures.

The current NPDES permit expired in 1999. PSNS & IMF is operating under a temporary permit extension while negotiations with EPA proceed toward issuance of a new permit. Successful resolution of the NOV is crucial to these ongoing negotiations.

IMPACT IF NOT PROVIDED:

Without this project PSNS & IMF will continue to utilize extreme measures to minimize discharge of pollutants into Puget Sound. Additional costs for painters (to hand roll on the hull coating systems), specialized containments and additional drydock cleaning crew personnel will continue to accrue and be passed on to Fleet customers utilizing the drydocks. There will be continuing risk that the length of drydocking availabilities will be extended, potentially disrupting Fleet deployment schedules. Drydocks 3 & 4, already heavily utilized, may become more difficult to schedule due to the longer times in dock for each availability.

Additionally, PSNS & IMF will be unable to comply with the Clean Water Act (CWA) risking further enforcement actions. Potential actions include implementation of stricter controls or revoking of PSNS & IMF's NPDES permit, effectively shutting down the drydocks. PSNS & IMF will be unable to conclude negotiations with EPA on a new NPDES permit and will face the prospect of having discharge limits of the new permit being dictated by EPA, rather than negotiated. Non-compliance with the CWA also places the Navy at risk of potential third-party lawsuits, with resultant court-imposed fines and additional enforcement actions.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	02/2011
(B) Date 35% Design or Parametric Cost Estimate complete	07/2011
(C) Date design completed	06/2013
(D) Percent completed as of September 2012	50%
(E) Percent completed as of January 2013	95%
(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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N68436(SY)	4. Project Title
NAVAL BASE KITSAP BREMERTON WA (SHIPYARD PUGET SOUND) BREMERTON, WASHINGTON	Integrated Water Treatment Sys Dry Docks 3&4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21310	P420	18,189

(B) Where design was previously used

3. Total Cost (C) = (A) + (B) = (D) + (E):

(A) Production of plans and specifications	$1,000
(B) All other design costs	$1,200
(C) Total	$2,200
(D) Contract	$2,000
(E) In-house	$200
4. Contract award:	01/2014
5. Construction start:	04/2014
6. Construction complete:	04/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
COM/DATA	OPN	2014	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: 360-627-4801

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N00620	4. Command	5. Area Const Cost Index
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	Commander Navy Installations Command	1.23

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1160	6111	313	0	0	0	54	102	0	7740
B. End FY 2017	1090	5633	0	0	0	0	108	204	0	7035

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(7543 Acres)	
B. INVENTORY AS OF 30 SEP 2012	2,439,609
C. AUTHORIZATION NOT YET IN INVENTORY	20,054
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	117,649
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	85,360
F. PLANNED IN NEXT THREE PROGRAM YEARS	71,160
G. REMAINING DEFICIENCY	284,863
H. GRAND TOTAL	**3,018,695**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21105	EA-18G Facility Improvements	03/2010	03/2014	11892 m2	32,482
17135	P-8A Hangar and Training Facilities	04/2011	05/2014	22778 m2	85,167
				TOTAL	117,649

9. Future Projects:

A. Included In The Following Program:

17135	P-8A Hangar and Apron Expansion	85,360
	TOTAL	85,360

B. Major Planned Next Three Years:

21105	EA-18G Maintenance Hangar & Apron Expansion	47,000
21145	NEGT Generation Jammer	4,400
14380	Navy Information Operations Command	19,760
	TOTAL	71,160

C. R&M Unfunded Requirement ($000): 481,278

10. Mission or Major Functions:

Maintain and operate facilities and provide services and material to support operations of aviation activities of the Pacific Fleets. Homeport to all of the Navy's tactical attack aircraft, the EA-6B Prowler and the EA-18G Growler, which are vital to our nation's defense. Also located at Whidbey are the P-3C Orion patrol aircraft which are transitioning to P-8A Poseidon aircraft, the future home of the P-8A, the EP-3E Aries II fleet air reconnaissance aircraft, a Search and Rescue unit flying the UH-3H helicopter and the UC-12B aircraft for fleet logistic support.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	EA-18G Facility Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21105	P239	32,482

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
EA-18G FACILITY IMPROVEMENTS (128,004 SF)	m2	11,892		20,090
AIRCRAFT MAINT. HANGAR #10 (43,701 SF)(RENOVATE)	m2	4,060	1,472.77	(5,980)
AIRCRAFT MAINT. HANGAR #10 ADDITION (31,732 SF)	m2	2,948	3,160.86	(9,320)
AIRCRAFT ACCESS AND PARKING APRON (51,376 SF)	m2	4,773	148.54	(710)
LINE MAINTENANCE SHELTER (1,195 SF)	m2	111	2,704.69	(300)
INFORMATION SYSTEMS	LS			(820)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(760)
BUILT-IN EQUIPMENT	LS			(630)
SPECIAL COSTS	LS			(920)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(200)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(450)
SUPPORTING FACILITIES				8,160
SPECIAL CONSTRUCTION FEATURES	LS			(1,150)
SITE PREPARATIONS	LS			(1,140)
SPECIAL FOUNDATION FEATURES	LS			(1,900)
PAVING AND SITE IMPROVEMENTS	LS			(1,030)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
ELECTRICAL UTILITIES	LS			(2,400)
MECHANICAL UTILITIES	LS			(250)
ENVIRONMENTAL MITIGATION	LS			(130)
DEMOLITION	LS			(110)
SUBTOTAL				28,250
CONTINGENCY (5%)				1,410
TOTAL CONTRACT COST				29,660
SIOH (5.7%)				1,690
SUBTOTAL				31,350

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	EA-18G Facility Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21105	P239	32,482

DESIGN/BUILD - DESIGN COST				1,130
TOTAL REQUEST ROUNDED				32,480
TOTAL REQUEST				32,482
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,700)

10. Description of Proposed Construction:

Renovates Hangar #10 and constructs an addition in support of the EA-18G Growler aircraft. The hangar includes a hangar bay, maintenance shops, and administrative spaces. The addition will match the existing Hangar #10 construction with a steel framing system, concrete masonry unit infill walls, concrete exterior walls with metal cladding, concrete/steel composite deck, and metal roof. Upgrade concrete aircraft apron to provide six additional aircraft parking spots including mooring eyes and grounding points. This project also constructs a new line maintenance shelter adjacent to Hangar #8 for assigned personnel and storage of tie down chains, wheel chocks and cables.

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.

Built-in equipment includes an Aqueous Film Forming Foam (AFFF) system with collection trenches, including storage tanks with leak detection for containment of the AFFF solution. An elevator will be installed in the shops and administration spaces portion of the facility.

Special costs include post construction contract award services and Washington State gross receipt taxes.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 (2007) and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special construction features include a premium for sensitive compartmented information facility (SCIF) space and flight line electrical distribution systems (FLEDS) to support 16 aircraft.

Site preparations include demolition of aircraft pavement and utilities.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	EA-18G Facility Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21105	P239	32,482

Special foundation features include a pile foundation for the addition and structural reinforcement for the existing hangar.

Paving and site improvements include parking for approximately 245 vehicles and stormwater management.

Electrical utilities include low voltage power (480V), 15kV power, fire, telephone, alarm and data cables, concrete ductbanks and transformer.

Demolition includes aircraft maintenance Hangar 1 Building #112 (3,589 m2); line maintenance Buildings #R-42 (89 m2), #R-55 (89 m2), #R-56 (89 m2), #2893 (89 m2), #R-8 (50 m2) and #2894 (89 m2); line oxygen cart shelter Building #2705; and ready service lockers Buildings #457 (14 m2) and #458 (14 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: 7,862 m2 **Adequate:** **Substandard:**

PROJECT:

Renovates and expands Hangar #10 and other facilities to support EA-18G expeditionary squadrons.

(New Mission)

REQUIREMENT:

Operational hangar space is required to provide a weather-protected shelter for inspection, servicing, maintenance, and emergency shelter for three EA-18G Expeditionary Squadrons which will transition from the four plane per EA-6B squadron to the five plane per EA-18G squadron resulting in three additional aircraft. The decision to transition the Expeditionary Squadrons from the EA-6B Prowler to the EA-18G Growler was made in 2009 with an operational hangar required in 2015.

The EA-18G Growler is an all-weather, electronic attack aircraft with the primary role of suppressing enemy electronic capabilities through tactical jamming and the delivery of High-Speed Anti-Radiation Missiles. Whidbey Island has three Expeditionary Squadrons (VAQ-132, VAQ-133, and VAQ-138) which are deployable in support of joint forces operations.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	EA-18G Facility Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21105	P239	32,482

Transition to the EA-18G platform brings increased capabilities and require infrastructure not required by the EA-6B. New infrastructure includes SCIF spaces for daily aircrew daily crew briefings, data transfer and mission support plus 400 hz power distribution via flight line electrical distribution system and low pressure compressed air supporting the hydraulic and weapon systems inside the hangar as well as on the parking apron.

CURRENT SITUATION:

The expeditionary squadrons operating EA-6B aircraft are currently supported out of multiple hangars located at opposite ends of the flight line. Existing hangars will not provide sufficient hangar bay space due to the larger aircraft support equipment and number of aircraft. The existing facilities also lack adequate maintenance space, SCIF administration space and FLEDS to support requirements for the Expeditionary Squadrons operating the EA-18G platform. Consolidation of these operations into a single expanded hangar result in a net footprint reduction and supports infrastructure requirements for the transition of the P-3C to P-8A aircraft at the other end of the flight line by freeing up space.

IMPACT IF NOT PROVIDED:

The Expeditionary Squadrons will not be able to support the new EA-18G aircraft, which begin arriving in 2015. Inadequate SCIF and hangar spaces would compromise aircrew mission data and maintenance operations, respectively, to support the new aircraft. The Expeditionary Squadron mission would be extremely constrained without essential upgrades to existing facilities. Without apron power distribution systems, the new platform would be restricted to either inefficient use of limited ground support equipment or unnecessary wear and tear upon aircraft electronic components.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	03/2010
(B) Date 35% Design or Parametric Cost Estimate complete	09/2011
(C) Date design completed	03/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	EA-18G Facility Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21105	P239	32,482

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	$100
(E) In-house	$500
4. Contract award:	01/2014
5. Construction start:	04/2014
6. Construction complete:	02/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
CE FURNITURE & FURNISHINGS	OMN	2015	500
FALL PROTECTION STANDS	OPN	2015	250
PHYSICAL SECURITY EQUIPMENT	OPN	2015	600
SIPRNET	OPN	2015	350

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: 360-257-1005

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620 NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	4. Project Title EA-18G Facility Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0703676N	21105	P239	32,482

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	P-8A Hangar and Training Facilities

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17135	P251	85,167

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
P-8A HANGAR AND TRAINING FACILITIES (245,181 SF)	m2	22,778.05		59,000
P-8A TRAINER FACILITY (101,104 SF)	m2	9,392.9	2,474.45	(23,240)
TACTICAL OPERATION CENTER FACILITY (28,893 SF)	m2	2,684.25	3,505.30	(9,410)
TACTICAL SUPPORT CENTER (20,000 SF)(RENOVATE)	m2	1,858.06	2,430.36	(4,520)
HANGAR 6 ADDITION (14,059 SF)	m2	1,306.16	4,655.33	(6,080)
SQUADRON OPERATION SUPPORT FACILITY (5,000 SF)	m2	464.5	3,652.46	(1,700)
MAINTENANCE HANGAR NO 7 (53,739 SF)(RENOVATE)	m2	4,992.52	107.54	(540)
FLIGHT SIMULATOR BLDG (4,320 SF)(RENOVATE)	m2	401.33	2,442.19	(980)
FLIGHT LINE OPS STORAGE (15,000 SF)(RENOVATE)	m2	1,393.5	322.61	(450)
AVIATION ACADEMIC TRAINING (3,066 SF)(RENOVATE)	m2	284.83	1,366.81	(390)
INFORMATION SYSTEMS	LS			(80)
ANTI-TERRORISM/FORCE PROTECTION (INSIDE)	LS			(600)
BUILT-IN EQUIPMENT	LS			(4,380)
SPECIAL COSTS	LS			(5,150)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(580)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(900)
SUPPORTING FACILITIES				15,080
SPECIAL CONSTRUCTION FEATURES	LS			(320)
SITE PREPARATIONS	LS			(1,990)
SPECIAL FOUNDATION FEATURES	LS			(3,140)
PAVING AND SITE IMPROVEMENTS	LS			(2,150)
ANTI-TERRORISM/FORCE PROTECTION	LS			(140)
ELECTRICAL UTILITIES	LS			(3,310)

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	P-8A Hangar and Training Facilities

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17135	P251	85,167

MECHANICAL UTILITIES	LS				(2,000)
DEMOLITION	LS				(2,030)
SUBTOTAL					74,080
CONTINGENCY (5%)					3,700
TOTAL CONTRACT COST					77,780
SIOH (5.7%)					4,430
SUBTOTAL					82,210
DESIGN/BUILD - DESIGN COST					2,960
TOTAL REQUEST ROUNDED					85,170
TOTAL REQUEST					85,167
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)					(459,467)

10. Description of Proposed Construction:

Constructs a low-rise P-8A training facility with high bays for operational flight simulators and corresponding administrative space including special access program space; expanded tactical operation center; hangar additions to support the larger aircraft and consolidation of operations.

Project includes a Tactical Operation Center (TOC) which will be accomodated by renovating Tactical Support Center (TSC) Building #2771 and constructing a new low-rise facility. These two facilities will support the TOC and seven Mobile Tactical Operation Centers (MTOC) associated with the homeported squadrons. The new low-rise facility includes operational space for Patrol and Reconnaissance Wing Ten (COMPATWINGTEN) headquarters.

Hangar 6 expansion increases the maintenance bays to provide required clearances between interior walls and aircraft per facilities requirements document. Modifies four hangar bay doors in Hangar 6 by cutting notches in the hangar structure above the centerline of the bay doors to allow ingress/egress of P-8A aircraft.

Constructs a low-rise squadron Operation Support Facility which will house classified operations. Hangar 7 renovation accommodates VQ-1 squadron relocating out of Hangar 6.

Renovates a portion of Flight Simulator Building #2738 for reuse as classroom and instructor office space for P-8A training.

Renovates a portion of Operational Storage Building #219 for reuse as

storage to house deployable gear and equipment for home-ported MTOC units.

Renovates a portion of Aviation Academic Training Building #2740 currently occupied by the Center for Naval Aviation Technical Training Unit (CNATTU) for reuse by Naval Air Systems Command (NAVAIR) who will be relocated from Applied Instruction Building #126 which will be demolished.

The 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 for Buildings.

Built-in equipment includes emergency generators, elevator for freight and personnel, premium for raised flooring, uninterruptable power supply, clean agent fire suppression infrastructure, four hangar doors, two bridge cranes with rails and support for new flight trainer facility to support full motion equipment.

Special costs include Hangar 9 Building #2681 temporary maintenance bay expansion to fully enclose aircraft during construction period; post construction contract award services, Washington State gross receipt tax, and operational access costs for construction delays for compliance with personnel security screening and vehicle inspections prior to entry and exit from the flight line; increased traffic management; required flight line labor support; remote material laydown space; and contractor delays due to government escorts and temporary flight line security fencing.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007.

Site preparations include excavation, grading, utility survey, site preparations for additions, demolition of pavement and hangar doors, and lead paint abatement.

Special foundation features include pile foundations for the trainer, TOC and Hangar additions.

Paving and site improvements include paved roads, signs and materials, sidewalks, pavers, topsoil, storm sewer removal, pavement demolition, sanitary sewer removal, cladding demolition, WING TEN Storage Building

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	P-8A Hangar and Training Facilities

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17135	P251	85,167

#2564 relocation, contaminated soil management and handling, Hangar 7 parking improvements for approximately 80 vehicles, high bay trainer driveway and low impact development.

Electrical utilities include phone and fiber cables, pavement patches, ductbank conduit and excavation, high and low voltage cables, exterior lighting conduit, sidewalk lighting, transformers, and fire alarm upgrades.

Mechanical utilities include water utilities, steam line relocation, fire hydrants, sanitary lift station, sewer utilities, natural gas utilities, chilled water supply, fuel lines, aqueous film-forming foam tank and distribution, and cooling tower fans.

Demolition includes Applied Instruction Building #126 (3,776 M2) to site the P-8A training facility.

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: 23,924 m2 **Adequate:** **Substandard:**

PROJECT:

This project constructs a new P-8A training facility, Hangar additions, tactical operation center and renovates existing facilities to allow initial operational capability for seven P-8A squadrons.

(New Mission)

REQUIREMENT:

Three active fleet squadrons and one reserve squadron of P-3C Orion aircraft are currently based at NASWI. Their mission is to provide antisubmarine warfare, antisurface warfare, intelligence surveillance and reconnaissance capabilities to assigned Combatant Commanders.

Transition to a next-generation patrol aircraft, the P-8A Poseidon, is scheduled to begin in 2012 with completion of the phased transition for fleet squadrons projected for 2019.

NASWI has been identified to homeport seven fleet squadrons and one reserve squadron of P-8A Poseidon aircraft; requiring infrastructure to include trainer/simulator facilities, tactical operation center, maintenance

hangars, ordnance storage, sono-bouy storage, operational storage, liquid oxygen facility, support equipment shop and expanded parking apron.

This project is the first of two providing for the initial transition to P-8A aircraft and provides the training/simulator facilities, two tactical operation center facilities, initial maintenance hangars and operational storage. These facilities are required to be programmed in 2014 for operational capabilities in 2015.

A follow on project will be identified to construct the remaining facilities fully supporting seven fleet squadrons.

CURRENT SITUATION:

NASWI does not have adequate hangars, training facilities, or supporting facilities required to homebase this new aircraft. Existing P-3 facilities cannot be converted directly to P-8 spaces as the new aircraft is larger and has different requirements. In addition, NASWI must maintain P-3 capability as the fleet training location for all P-3 aircraft until they are fully replaced by P-8 aircraft.

IMPACT IF NOT PROVIDED:

If the proposed project is not accomplished in 2015 it will severely impact the Navy's plan to retire P-3C aircraft and transition the P-8A Poseidon aircraft into the Fleet while maintaining a maritime patrol capability that sustains national defense objectives and policies. Failure to accomplish this project will result in delays to this transition. The patrol squadrons will not have adequate facilities to house the new P-8A aircraft and provide critical training for personnel.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	04/2011
(B) Date 35% Design or Parametric Cost Estimate complete	01/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	0%
(E) Percent completed as of January 2013	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	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$1,800,000

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N00620	4. Project Title
NAS WHIDBEY ISLAND WA OAK HARBOR, WASHINGTON	P-8A Hangar and Training Facilities

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0805976N	17135	P251	85,167

(B) All other design costs	$2,700,000
(C) Total	$4,500,000
(D) Contract	$4,050,000
(E) In-house	$450,000
4. Contract award:	12/2013
5. Construction start:	04/2014
6. Construction complete:	10/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Physical Security Equiment	OPN	2015	1,150
SIPRNET	OPN	2014	250
Tactical Operations Center	OPN	2015	1,685
Trainer Equipment	APN	2014	140,900
Trainer related Equipment	APN	2014	311,200
Training Building Equipment	OPN	2014	1,687
VQ Squadron Equipment	OMN	2014	2,033
Warehouse Collateral EQ Supply Building	OMN	2015	562

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: 3602571006

TAB:

OUTSIDE THE U.S.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N3379A	4. Command	5. Area Const Cost Index
CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	Commander Navy Installations Command	2.01

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12										
B. End FY 2017										

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(Acres)	
B. INVENTORY AS OF 30 SEP 2012	455,623
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	29,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,410
F. PLANNED IN NEXT THREE PROGRAM YEARS	21,800
G. REMAINING DEFICIENCY	160,917
H. GRAND TOTAL	**684,750**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
14345	Armory	11/2012	02/2014	929 m2	6,420
72127	Unaccompanied Housing	11/2012	02/2014	4078 m2	22,580
				TOTAL	29,000

9. Future Projects:

A. Included In The Following Program:

73025	Entry Control Point	17,410
	TOTAL	17,410

B. Major Planned Next Three Years:

83110	Wastewater Treatment Plan	21,800
	TOTAL	21,800

C. R&M Unfunded Requirement ($000): 0

10. Mission or Major Functions:

Africa Command protects and defends the national security interests of the United States by strengthening the defense capabilities of African states and regional organizations and, when directed, conducts military operations, in order to deter and defeat transnational threats and to provide a security environment conducive to good governance and development.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N3379A	4. Project Title
CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	Armory

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	14345	P227	6,420

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ARMORY (10,000 SF)	m2	929		4,470
ARMORY (10,000 SF)	m2	929	4,288.87	(3,980)
BUILT-IN EQUIPMENT	LS			(270)
SPECIAL COSTS	LS			(50)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(40)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(130)
SUPPORTING FACILITIES				1,090
SITE PREPARATIONS	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(340)
ANTI-TERRORISM/FORCE PROTECTION	LS			(190)
ELECTRICAL UTILITIES	LS			(210)
MECHANICAL UTILITIES	LS			(90)
DEMOLITION	LS			(20)
SUBTOTAL				5,560
CONTINGENCY (5%)				280
TOTAL CONTRACT COST				5,840
SIOH (6.2%)				360
SUBTOTAL				6,200
DESIGN/BUILD - DESIGN COST				220
TOTAL REQUEST ROUNDED				6,420
TOTAL REQUEST				6,420
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(200)

10. Description of Proposed Construction:

Construct a single story armory to support enduring operations. Provides a slab on grade floor, reinforced concrete walled armory with reinforced spread footings and standing seam metal roof. The armory will include weapons storage, maintenance areas and a small administrative area. The facility will include electrical and mechanical systems including humidity control, ventilation and air conditioning, water lines, plumbing fixtures, sanitary sewerlines, and a fire protection system with supply lines.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N3379A CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	4. Project Title Armory

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	14345	P227	6,420

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 but will require hardening and thicker glazing in order to meet AFRICOM's AT/FP criteria and more stringent requirements.

Built-in equipment includes weapons storage cages, partitions and an uninterruptable power supply.

Special construction costs include post construction contract award services.

Operations and Maintenance Support Information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13123 (2007) and other laws and Executive Orders. Facilities will meet the LEED Silver rating and comply with the Energy Policy Act of 2005 and the Energy Indepenence and Security Act of 2007.

This project will include the demolition of Building #207, Armory (56 m2; Property Record #200027).

The armory will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria, and incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. Requirement: 929 **Adequate:** **Substandard:**

PROJECT:

Construct an armory to provide secure weapons storage and maintenance for Camp Lemonnier. The armory will provide six separate weapons cages (five for assigned units and one for transient units). Space will be provided for maintenance, administrative activities, and restroom facilities. Project will include an exterior covered weapons cleaning area.

(Current Mission)

REQUIREMENT:

The Camp steady state plus surge population has grown significantly to 3600 personnel. A new larger armory is requird for weapons storage and maintenance.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N3379A	4. Project Title
CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	Armory

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	14345	P227	6,420

CURRENT SITUATION:

The existing armories are scattered across camp and are housed in a variety of aging facilities that require workarounds to meet security requirements. Some occupy facilities that have been in place since the French use of the camp. Some are in portions of existing buildings used for other purposes. Many are in temporary containers since the permanent facilities do not meet the space requirement for the current mission. Additionally, they do not provide adequate space for maintenance, cleaning or administrative space for armorers. Many of these functions use space in other facilities. Existing armory facilities are beyond economical repair and lack required physical protection features thus requiring around-the-clock manning.

The new armory will meet security requirements thus reducing the need for security personnel and will meet the space requirements for storage, maintenance and cleaning, and administrative space. Providing one facility for these related functions and allowing the armorers to be co-located with their weapons storage will allow more efficient operations.

IMPACT IF NOT PROVIDED:

Military units will continue to store and maintain weapons at multiple locations that are deficient in physical protection.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	11/2012
(B) Date 35% Design or Parametric Cost Estimate complete	02/2013
(C) Date design completed	02/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$460
(B) All other design costs	$100
(C) Total	$560
(D) Contract	$510
(E) In-house	$50
4. Contract award:	11/2013
5. Construction start:	03/2014

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N3379A CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	4. Project Title Armory

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212176N	14345	P227	6,420

6. Construction complete: 05/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furnisher, Fixtures and Equipment	OMN	2014	200

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: 011-39-081-568-1699

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N3379A	4. Project Title
CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	Unaccompanied Housing

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212276N	72127	P921	22,580

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
UNACCOMPANIED HOUSING (43,895 SF)	m2	4,078		17,670
UH (43,895 SF)	m2	4,078	4,214.68	(17,190)
SPECIAL COSTS	LS			(190)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(260)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(30)
SUPPORTING FACILITIES				1,880
SPECIAL FOUNDATION FEATURES	LS			(1,010)
PAVING AND SITE IMPROVEMENTS	LS			(460)
ELECTRICAL UTILITIES	LS			(340)
MECHANICAL UTILITIES	LS			(70)
SUBTOTAL				19,550
CONTINGENCY (5%)				980
TOTAL CONTRACT COST				20,530
SIOH (6.2%)				1,270
SUBTOTAL				21,800
DESIGN/BUILD - DESIGN COST				780
TOTAL REQUEST ROUNDED				22,580
TOTAL REQUEST				22,580
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,270)

10. Description of Proposed Construction:

Construct a three story Unaccompanied Housing facility (UH) with 65 rooms. Each room will accommodate up to four people. Two central bathrooms will be provided on each floor. The UH will be constructed on a concrete pile foundation using structural steel framing, reinforced concrete wall construction and a metal roof.

This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations, physical security and progressive collapse requirements in accordance with DOD Minimum Anti-Terrorism Standards for Buildings; however the facility will require thicker glazing in order to meet AFRICOM AT/FP criteria which designates the Camp as having an uncontrolled perimeter, elevating the construction to more stringent requirements.

Special costs include Post Construction Contract Award Services.

Operations and Maintenance Support Information (OMSI) is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005. Low Impact Development will be included in the design and construction of this project as appropriate.

The UH will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria, and 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: 260 E1 - E4
Total: 260 Persons
Maximum Utilization: 260 E1 - E4

11. Requirement: 4,078 **Adequate:** **Substandard:**

PROJECT:

Construct a three-story UH facility.

(Current Mission)

REQUIREMENT:

Currently 2,100 personnel are assigned to Camp Lemonnier, excluding local nationals and contractor personnel. The projected surge population (US civilian and military personnel) is approximately 1,500 persons for a total camp steady state and surge requirement of 3,600.

At Camp Lemonnier, Djibouti, there is no off-base housing available. All personnel are currently housed in Containerized Living Units (CLU) or tents and one facility Bldg #212 with 17 beds.

A more permanent housing solution is required. This project is the second to construct an UH facility.

CURRENT SITUATION:

There are currently three housing options that together provide approximately 3,939 beds. They are CLUs (2,590), tents (1,332) and Building #212 (17).

Of the approximately 1000 CLUs, 300 have bathrooms for the occupants. All other personnel use common latrines as do personnel residing in tents. All the units are air conditioned with individual units, which run constantly during the long periods of desert high temperatures.

Even though an additional 385 CLUs (1,224 beds) are planned in future projects to accommodate the projected population growth and surge population, a more efficient solution is required through phased permanent facilites for this enduring base.

IMPACT IF NOT PROVIDED:

Living in tents reduces morale. Some personnel are required to serve one-year unaccompanied tours in Djibouti, which is an extremely hot environment (temperatures regularly exceed 100 degrees). There are few activities on-base and few to none off-base. Better living conditions would provide some level of comfort and personal space for personnel stationed in a demanding work environment. This project does not remove CLUs from the inventory, it reduces the usage of tents for berthing and reduces the strain on the base electrical capability by removing energy intensive tents.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	11/2012
(B) Date 35% Design or Parametric Cost Estimate complete	03/2013
(C) Date design completed	02/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$1,380
(B) All other design costs	$125
(C) Total	$1,505
(D) Contract	$1,425
(E) In-house	$80
4. Contract award:	11/2013

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N3379A CAMP LEMONNIER DJIBOUTI DJIBOUTI, DJIBOUTI	4. Project Title Unaccompanied Housing

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0212276N	72127	P921	22,580

5. Construction start: 03/2014

6. Construction complete: 11/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Furnisher, Fixtures and Equipment	OMN	2015	1,270

C. FY 2012 R&M Conducted ($000):

D. FY 2013 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: 314-626-1699

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N61755	4. Command	5. Area Const Cost Index
NAVBASE GUAM AGANA, GUAM	Commander Navy Installations Command	2.12

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	501	3411	1218	0	0	0	71	544	0	5745
B. End FY 2017	467	2630	14	0	0	0	71	544	0	3726

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(8255 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	5,547,183
C.	AUTHORIZATION NOT YET IN INVENTORY	418,727
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	117,582
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	38,104
F.	PLANNED IN NEXT THREE PROGRAM YEARS	37,100
G.	REMAINING DEFICIENCY	4,823,047
H.	**GRAND TOTAL .....**	**10,981,743**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
42122	Modular Storage Magazines	07/2008	08/2013	0 LS	63,382
21370	Emergent Repair Facility Expansion	12/2012	05/2014	5295 m2	35,860
44120	Dehumidified Supply Storage Facility	12/2012	05/2014	3716 m2	17,170
15220	Sierra Wharf Improvements	12/2012	03/2014	185 m	1,170
				TOTAL	117,582

9. Future Projects:

A. Included In The Following Program:

14323	EOD Compound	38,104
	TOTAL	38,104

B. Major Planned Next Three Years:

83210	Waste Water Collection System Recap, Phase 2	37,100
	TOTAL	37,100

C. R&M Unfunded Requirement ($000): 1,735,504

10. Mission or Major Functions:

Provide shoreside logistics and maintenance support to Pacific Fleet and other U.S. and allied shipping. Homeport for submarine tender supporting submarines operating in the western Pacific, Military Sealift Command ships, and nuclear submarines (SSN). Carry out port operations.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*): 0

B. Occupational Safety and Health(OSH)(#): 0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Modular Storage Magazines

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	42122	P425	63,382

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MODULAR STORAGE MAGAZINES	LS			35,360
MODULAR STORAGE MAGAZINES	EA	28	1,203,571.43	(33,700)
EMERGENCY GENERATOR BUILDING	m2	32	7,436.91	(240)
INFORMATION SYSTEMS	LS			(170)
BUILT-IN EQUIPMENT	LS			(120)
SPECIAL COSTS	LS			(900)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(230)
SUPPORTING FACILITIES				21,480
SITE PREPARATIONS	LS			(10,720)
PAVING AND SITE IMPROVEMENTS	LS			(5,540)
ELECTRICAL UTILITIES	LS			(3,110)
MECHANICAL UTILITIES	LS			(310)
ENVIRONMENTAL MITIGATION	LS			(1,800)
SUBTOTAL				56,840
CONTINGENCY (5%)				2,840
TOTAL CONTRACT COST				59,680
SIOH (6.2%)				3,700
SUBTOTAL				63,380
TOTAL REQUEST ROUNDED				63,380
TOTAL REQUEST				63,382
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(659)

10. Description of Proposed Construction:

Construct twenty-eight modular storage magazines on Orote Peninsula capable of storing at least two million pounds Net Explosive Weight (NEW) of Class/Division 1.1 of munitions materials. The magazines will be constructed of reinforced concrete with steel magazine doors to provide 7-bar protection and they will be designed to resist sympathetic detonation from blast pressures generated from adjacent magazines. Magazines also include lighting and electrical improvements, lightning protection system and mechanical ventilation.

Constructs an emergency generator building with a fire detection and alarm system.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Modular Storage Magazines

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	42122	P425	63,382

Information Systems include physical security improvements: intrusion detection systems (IDS), balanced magnetic switches at each magazine, card readers at the perimeter gates, and security cameras along the perimeter fence.

Built-in equipment will include a diesel engine emergency generator with automatic transfer switch and distribution backboard.

Special costs include post construction contract award services, Guam gross receipts tax and archeological monitoring.

Operations and maintenance support information is included in the project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 (2007) and other laws and Executive Orders. Facilities will comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007.

Site preparation includes clearing and grubbing, site grading, and grassing. Substantial earthwork costs account for covering each magazine by earth berms with shotcrete cover in accordance with applicable guidelines. Earthwork costs also included for over-excavation and probing and grouting for voids in the limestone deposits at the site.

Paving and site improvements include an extension of the existing container facility access road to the new magazine site, a second access road directly from Orote Point Road to the magazine complex, and additional concrete aprons and paved circulation roadways within the magazine complex. Security fencing for the existing ordnance pad will be expanded to include the modular storage magazine complex. Low Impact Development will be included in the design and construction of the project and includes underground retention for storm water control.

Electrical utilities include primary and secondary distribution systems, transformers, telecommunications and IDS infrastructure and area lighting. Existing overhead power distribution lines will connect to new underground system to serve the new magazines. Communications infrastructure will connect to Building 3012 via a new duct-bank from the magazines site to the existing hand-hole and duct-bank near the Kilo Wharf entry road.

Mechanical utilities include a water distribution system to support the

Emergency Generator Building.

Environmental mitigation includes unexploded ordnance mitigation in compliance with the Explosives Safety Submission (ESS) for Guam Munitions Response Sites, as approved by the Defense Explosives Safety Board. The ESS report designates the P-425 project site as a high (red) risk probability for encountering munitions and explosives of concern.

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: 56,005 m2 **Adequate:** **Substandard:**

PROJECT:

This project constructs a magazine complex on Orote Peninsula, complete with paved access roads, security fencing and intrusion control systems.

(Current Mission)

REQUIREMENT:

Adequately sized and configured magazine facilities at Orote Peninsula, in close proximity to ordnance handling operations at Kilo Wharf, are required to support the increased tempo and volume of munitions handling operations on Guam. Recent analysis of ordnance infrastructure requirements in the Pacific area of responsibility identify Guam as a primary hub for the transfer of munitions from CONUS to installations and fleet operating forces in the Western Pacific (WESTPAC). All ordnance for Navy and Air Force missions are received via ship and offloaded at Kilo Wharf. This requires Kilo Wharf facilities to have the capability to receive containerized ordnance, in addition to the current break-bulk mission. A major constraint to existing operations on Guam, is the need to haul ordnance via public roads back and forth from Kilo Wharf to the Naval Munitions Site located in Santa Rita. This is required following or prior to major ammunition ship evolutions. As a major hub for the handling and distribution of ordnance to forces in WESTPAC, storage facilities are needed on Orote Peninsula to provide efficient handling for short-term, high-turnover materials which amount to 60% to 70% of all ammunition off-load at Kilo Wharf.

CURRENT SITUATION:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Modular Storage Magazines

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	42122	P425	63,382

All ordnance cargo on Guam for Navy and Air Force missions is off-loaded and uploaded at Kilo Wharf. Storage of the munitions is currently allowed on Kilo Wharf under safety waiver. The resulting explosive safety arc encumbers Kilo Wharf (the only deep water wharf in Guam) and the harbor entrance.

The wharf is the only military ammunition port facility on Guam. On average, ammunition-handling operations are conducted approximately 260-270 days each year. Many of the operations require only short-term storage, but materials must be transported to the existing Naval Munitions Site in accordance with dunnage requirements of CFR 49 regarding transport over public roads which is very time consuming, Transportation via public roads creates hazards to public housing and civilian traffic. The process to move materials for an upload or download takes approximately 22 days to complete. This situation prolongs ammunition-handling operations at Kilo wharf, increases potential weather damage to ordnance, delays timely delivery of ammunition to the fleet, increases the cost of ammunition logistical support, and endangers civilians and personal property.

IMPACT IF NOT PROVIDED:

Without the construction of magazines on Orote Peninsula, there is inadequate capacity to safely and efficiently handle munitions, stored or pre-positioned at the Orote Point and Kilo Wharf facilities, and to accommodate the planned tempo of operations envisioned for Guam. Whether ordnance arrives via container or by break-bulk, the materials will need to be hauled to the existing Naval Munitions Site for temporary storage, and transported back to Kilo Wharf for the next T-AE upload. The need to haul ordnance between the two locations constrains the pace of operations and the efficient delivery of ordnance to the fleet. Anticipated increases in the operational tempo in the Pacific and Indian Ocean theaters will exacerbate the problem.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	07/2008
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	08/2013
(D) Percent completed as of September 2012	20%
(E) Percent completed as of January 2013	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:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Modular Storage Magazines

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	42122	P425	63,382

(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	$2,582
(B) All other design costs	$3,874
(C) Total	$6,456
(D) Contract	$5,488
(E) In-house	$968
4. Contract award:	03/2014
5. Construction start:	05/2014
6. Construction complete:	06/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
PSE Equipment	OPN	2014	579
Portable Access Ramps	OPN	2014	80

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: (671) 339-8475

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Modular Storage Magazines

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	42122	P425	63,382

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Emergent Repair Facility Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P566	35,860

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
EMERGENT REPAIR FACILITY EXPANSION (57,000 SF)	m2	5,295.44		24,770
EMERGENT REPAIR FACILITY ADDITION, BLDG 4433PP (35,000 SF)	m2	3,251.61	3,553.07	(11,550)
SHP SVCS SUPT/CAL LAB/TOWED ARRAY FACILITY (22,000 SF)	m2	2,043.83	4,099.33	(8,380)
INFORMATION SYSTEMS	LS			(80)
BUILT-IN EQUIPMENT	LS			(660)
SPECIAL COSTS	LS			(3,560)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(540)
SUPPORTING FACILITIES				6,280
SITE PREPARATIONS	LS			(800)
SPECIAL FOUNDATION FEATURES	LS			(2,940)
PAVING AND SITE IMPROVEMENTS	LS			(1,190)
ELECTRICAL UTILITIES	LS			(760)
MECHANICAL UTILITIES	LS			(390)
ENVIRONMENTAL MITIGATION	LS			(200)
SUBTOTAL				31,050
CONTINGENCY (5%)				1,550
TOTAL CONTRACT COST				32,600
SIOH (6.2%)				2,020
SUBTOTAL				34,620
DESIGN/BUILD - DESIGN COST				1,240
TOTAL REQUEST ROUNDED				35,860
TOTAL REQUEST				35,860
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(22,202)

10. Description of Proposed Construction:

Constructs a low rise (two-story) addition to the existing emergent repair shop, Building #4430PP with pile foundation, reinforced concrete walls and roof structure and beam column frames, and includes administrative and shop spaces. This project also constructs a consolidated low rise (two-story) facility for both a NAVSEA submarine maintenance/repair shop and a Fleet towed array processing and maintenance facility and calibration laboratory.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Emergent Repair Facility Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P566	35,860

Additional support spaces for restrooms, office spaces, communications rooms, and mechanical/electrical rooms will also be provided. The facilities will be outside the inhabited building explosive safety quantity distance (ESQD) arcs from the Alpha/Bravo wharves ammunition handling areas.

Information systems include basic telephone, computer network, fiber optic, cable television, mass notification, security and fire alarm systems and infrastructure. Premium information system for Secure Internet Protocol Router Network is included.

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 passenger/freight elevator, an overhead crane, an emergency diesel generator and a radon mitigation system.

Special costs include post construction contract award services, Guam gross receipts tax, geospatial survey and mapping, additional features to meet hurricane and seismic requirements and archaeological monitoring.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special foundation features include land piling.

Site preparations includes clearing and grubbing, earthwork (cut and fill) and contaminated soil mitigation and the removal of five calibration laboratory trailers and foundations.

Paving and Site Improvements include roadway improvements, parking for approximately 15 vehicles, probe/grout/cavity fill, sidewalks and ramps, fencing/gates, landscaping, water quality units and infiltration basins.

Electrical utilities include primary and secondary electrical distribution, transformer/substation, area lighting, communications distribution and energy management control system.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Emergent Repair Facility Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P566	35,860

Mechanical utilities include potable and fire protection water distribution systems, sanitary sewers and storm drainage system.

Environmental mitigation includes environmental restoration.

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: 7,326 m2 **Adequate:** **Substandard:** 1,023 m2

PROJECT:

Constructs an extension to the existing emergent repair ship facility, a separate facility for a NAVSEA submarine maintenance/repair shop, and a fleet towed array processing facility and calibration laboratory.

(Current Mission)

REQUIREMENT:

Expansion of the existing Emergent Repair Facility (ERF) in Building #4430PP is required to support the routine maintenance and repair of home-ported SSNs and visiting SSNs/SSGNs on Naval Base Guam (NBG). An expansion is required to support the necessary project management teams, repair/maintenance areas, and material storage area to adequately support the Fleet. In addition, this facility is required to support the tender repair departments stay behind crew during theater assessment and certification/proficiency deployments.

A separate facility is required outside the ESQD arcs for NAVSEA's mission in support SSN and SSGN voyage repairs as required by the Fleet. This includes both nuclear and non-nuclear specific maintenance and repair functions.

A permanent towed array processing facility is required in Guam.

A permanent calibration laboratory is required in Guam in support of the Fleet for both submarines and ships. NBG lacks available facilities.

CURRENT SITUATION:

Currently submarine maintenance is accomplished through the use of the existing facility and shop spaces located on the USS Frank Cable (AS-40). Materials and equipment are stored in sea shipping containers that are left unsecured outside in the elements, thereby increasing the chance for

deterioration or damage to these critical repair parts and maintenance equipment. At any one time, approximately $7 million in materials, equipment and supplies may be stored in the hot and humid weather conditions. Additionally, the Frank Cable is an auxiliary ship designed to provide maintenance and repair support to boats in more forward locations; and is consequently not in port at NBG at all times.

The existing facility was based upon the anticipated maintenance requirement associated with supporting transient submarines, and is not sufficient to support four home ported submarines, rotational, and visiting submarines. The existing facility does not have capacity to accommodate full Fleet Maintenance Availability requirements. Space for mast antennae, sheet metal, and machine shop repair is limited. There is no capability for non-destructive testing during deployment of USS Frank Cable (AS-40). Additionally material storage and calibration lab space is not currently available and during tender deployments, the existing facility is extremely undersized and inadequate to support the stay behind crew and work of approximately 250 personnel. Insufficient project management areas for work planning and inadequate repair space and equipment to support required work load result in maintenance/repair delays and mission risk.

Due to lack of NBG facilities on Polaris Point, submarine maintenance and repair activities performed by NAVSEA are conducted in temporary leased trailers and makeshift tent spaces that are exposed to Guam's hot and humid environmental conditions and occasional typhoons. Materials and equipment are either stored in conex boxes and/or in facilities 17 miles away in NBG Barrigada. The Fleet towed array processing facility is currently operated out of leased facilities also approximately 17 miles off base. This results in costly lease fees and inefficient maintenance and repairs operations supporting the submarines on Polaris Point and/or the main base. The calibration laboratory constructed out of modified trailers, is costly to repair and maintain, and has a leaking roof, placing certification of operations at risk.

IMPACT IF NOT PROVIDED:

If this project is not executed, maintenance and repair activities for the three recently home ported (and another on the way) submarines and transient submarines on Guam will be performed using an older, undersized facility that was not originally designed to support this mission, and that can not support all required maintenance activities. When the tender is deployed, submarine repair and maintenance capability will struggle to meet operational requirements in a timely manner, thereby impacting fleet readiness and efficiency of the submarine fleet. As a result of not having

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Emergent Repair Facility Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P566	35,860

the facilities on site to adequately support the tender, NAVSEA and the support crews, mission readiness will continue to be at risk.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	12/2012
(B) Date 35% Design or Parametric Cost Estimate complete	12/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	0%
(E) Percent completed as of January 2013	10%
(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	$582
(B) All other design costs	$874
(C) Total	$1,456
(D) Contract	$1,214
(E) In-house	$242
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	05/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	OPN	2015	22,000
Physical Security Equipment (PSE)	OPN	2015	202

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: 808.473.4837

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Emergent Repair Facility Expansion

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21370	P566	35,860

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Dehumidified Supply Storage Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	44120	P637	17,170

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
DEHUMIDIFIED SUPPLY STORAGE FACILITY (40,000 SF)	m2	3,716.1		9,450
CONTROLLED HUMIDITY STORAGE (40,000 SF)	m2	3,716.1	1,934.45	(7,190)
INFORMATION SYSTEMS	LS			(50)
BUILT-IN EQUIPMENT	LS			(400)
SPECIAL COSTS	LS			(1,450)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(50)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(310)
SUPPORTING FACILITIES				5,420
PAVEMENT FACILITIES	LS			(390)
SITE PREPARATIONS	LS			(830)
SPECIAL FOUNDATION FEATURES	LS			(1,540)
PAVING AND SITE IMPROVEMENTS	LS			(1,120)
ELECTRICAL UTILITIES	LS			(680)
MECHANICAL UTILITIES	LS			(660)
ENVIRONMENTAL MITIGATION	LS			(200)
SUBTOTAL				14,870
CONTINGENCY (5%)				740
TOTAL CONTRACT COST				15,610
SIOH (6.2%)				970
SUBTOTAL				16,580
DESIGN/BUILD - DESIGN COST				590
TOTAL REQUEST ROUNDED				17,170
TOTAL REQUEST				17,170
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(200)

10. Description of Proposed Construction:

Constructs a dehumidified supply storage facility at Polaris Point with pile foundation, concrete walls and roof structure, a rubberized roofing membrane on the sloped concrete slab and an architectural standing seam metal roof to help protect the rubberized roofing from flying debris during storms.

Information systems include basic telephone, computer network, fiber optic, cable television, mass notification, security and fire alarm systems and infrastructure. Premium information system for Secure Internet Protocol Router Network is included.

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, an emergency diesel generator and a radon mitigation system.

Special costs include post construction contract award services, Guam gross receipts tax, geospatial survey and mapping, additional features to meet hurricane and seismic requirements for Guam and archaeological monitoring.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Special foundation features include land piling.

Site preparations includes clearing and grubbing, cut and fill and contaminated soil mitigation.

Paving and site improvements include roadway improvements, parking for approximately 15 vehicles, probe/grout/cavity fill, sidewalks and ramps, fencing and gates, landscaping, water quality units and infiltration basins.

Electrical utilities include primary and secondary electrical distribution, transformer/substation, area lighting, communications distribution and energy management control system.

Mechanical utilities include potable and fire protection water distribution, sanitary sewers and storm drainage system.

Environmental mitigation includes environmental restoration.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Dehumidified Supply Storage Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	44120	P637	17,170

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: 3,716 m2 **Adequate:** **Substandard:**

PROJECT:

This project will construct the required storage facilities on Polaris Point to support the supply, maintenance/repair, diver and weapons handling equipment for home-ported fast attack submarines, SSGN routine voyage repairs, and SSNs visiting Guam.

(Current Mission)

REQUIREMENT:

Adequate storage facilities for supplies, critical spare parts and handling and support equipment are required to support the Submarine Force mission on Guam. This includes supporting the growing number of home-ported SSN's and visiting SSNs and SSGNs. Due to the highly remote location of Guam and the hot and humid weather conditions, it is vital that the limited amount of supplies, parts and handling equipment are properly cared for and ready for service at all times in support of Pacific area of operations.

CURRENT SITUATION:

The existing Naval Base Guam (NBG) controlled humidity storage facilities cannot properly support the Submarine Force homeport and visiting boat requirements. The limited storage facilities are ill-configured and at a significant distance from Polaris Point and do not satisfactorily support efficient day to day operations. As a result, critical supplies, materials, and handling equipment are stored outdoors exposed to the hot and humid Guam environment. In addition to placing operations at risk due to damaged and deteriorated equipment, costs of continued maintenance, replacement, and transportation are extremely high.

IMPACT IF NOT PROVIDED:

If the storage facilities are not provided, NBG will continue to have inadequate dehumidified storage facilities and laydown areas to support the existing and growing number of home-ported and visiting submarines. Continued degradation of supplies and equipment exposed to Guam's harsh environmental elements will add time, cost and risk to operations. Transportation of this equipment for operations in Guam is expensive and time consuming, leads to delays and impacts the mission of Submarine Pacific Command.

12. Supplemental Data:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Dehumidified Supply Storage Facility

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712976N	44120	P637	17,170

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	12/2012
(B) Date 35% Design or Parametric Cost Estimate complete	12/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	0%
(E) Percent completed as of January 2013	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	$580
(B) All other design costs	$100
(C) Total	$680
(D) Contract	$630
(E) In-house	$50
4. Contract award:	01/2014
5. Construction start:	06/2014
6. Construction complete:	02/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Collateral Equipment	OMN	2015	200

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: (808) 473-4837

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Sierra Wharf Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	15120	P638	1,170

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
SIERRA WHARF IMPROVEMENTS (607 LF)	m	185		970
BERTHING WHARF - SIERRA (607 LF)(RENOVATE)	m	185	4,831.01	(890)
SPECIAL COSTS	LS			(70)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(10)
SUPPORTING FACILITIES				40
ENVIRONMENTAL MITIGATION	LS			(40)
SUBTOTAL				1,010
CONTINGENCY (5%)				50
TOTAL CONTRACT COST				1,060
SIOH (6.2%)				70
SUBTOTAL				1,130
DESIGN/BUILD - DESIGN COST				40
TOTAL REQUEST ROUNDED				1,170
TOTAL REQUEST				1,170
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,020)

10. Description of Proposed Construction:

Construct electrical duct bank, power mound and concrete pad on Sierra Wharf. The work includes trenching, backfill and construction of thermal concrete ducts from the power mound to the existing stub, installation of cables from Sierra substation #1 to the new power mound, the demolition and removal of existing power mound, and the installation and hookup of a new power mound.

Special costs include post construction contract award services, Guam gross receipts tax, geospatial survey and mapping and archaeological monitoring.

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.

Operations and maintenance support information is included in this project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 and

other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Environmental mitigation includes Natural and Cultural Resource Mitigation and Munitions and Explosives of Concern/Unexplodes Ordnance (MEC/UXO) removal.

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: 185 m **Adequate:** **Substandard:**

PROJECT:

Upgrade existing utility infrastructure at Sierra Wharf to support general berthing of submarines and other military vessels.

(Current Mission)

REQUIREMENT:

Adequate shore side utilities and mooring facilities are required to provide the necessary waterfront utility and cold iron berthing services for home ported and transient subs and other transient ships at Sierra Wharf. Requirements for shore provided services by vessel type/hull are promulgated in the Unified Facility Criteria for "Dockside Utilities for Ship Service".

CURRENT SITUATION:

Sierra Wharf is an active general purpose berthing wharf and is a part of a group of seven wharves categorized as general purpose berthing to support the U.S. forces in the Pacific. It is utilized by a variety of home ported and transient Navy ships and submarines. Built in 1946, Sierra Wharf continues to provide critical berthing space in Apra Harbor. Various improvements have been made to Sierra Wharf utility system and infrastructure since the original construction. The utility systems fail to meet current requirements due to the deterioration of the existing utilities from: wear, conditions of service and exposure to the Guam environment; and the arrival of new platform power requirements and changing missions.

Based on future ship loadings, there is a shortfall of available general

purpose berthing slips at Inner Apra Harbor. Adding to this shortfall is the fact that all general purpose berthing assets at Inner Apra Harbor, including Sierra Wharf, are considered substandard due to inadequate hotel services and/or structural deficiencies. The current wharf utility systems and infrastructure at Sierra Wharf cannot adequately support the new electical power requirements and nesting configuration for submarines and other new platform military vessels.

IMPACT IF NOT PROVIDED:

COMNAVMARIANAS will not be able to provide adequate berthing at Sierra Wharf for submarines and other military vessels. The wharf utilities will remain inadequate to support new electrical power requirements and the nesting of submarines. The restricted capacity will continue to limit maintenance of ships and wharf efficiencies, as shipboard boilers, engines, and generators must remain in operation to provide the required ship services. Maintenance and repairs would be delayed burdening COMNAVMARIANAS with higher cost manpower and equipment operations. Full and efficient use of the limited berthing space at Inner Apra Harbor would not be realized.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	12/2012
(B) Date 35% Design or Parametric Cost Estimate complete	12/2012
(C) Date design completed	03/2014
(D) Percent completed as of September 2012	0%
(E) Percent completed as of January 2013	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	$100
(B) All other design costs	$80
(C) Total	$180
(D) Contract	$80
(E) In-house	$100
4. Contract award:	01/2014
5. Construction start:	04/2014
6. Construction complete:	04/2015

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755	4. Project Title
NAVBASE GUAM AGANA, GUAM	Sierra Wharf Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	15120	P638	1,170

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Shore Power Cables	OPN	2015	120
Universal Deep Draft Fender	OPN	2015	900

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: 671.339.6141

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N41557	4. Command	5. Area Const Cost Index
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	Commander Navy Installations Command	2.12

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	238	1895	103	0	0	0	0	0	0	2236
B. End FY 2017	228	1934	0	0	0	0	0	0	0	2162

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(14700 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	6,028,322
C.	AUTHORIZATION NOT YET IN INVENTORY	284,177
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	147,375
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	640,932
H.	**GRAND TOTAL .....**	**7,100,806**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
21105	Aircraft Maintenance Hangar, North Ramp	11/2012	05/2014	6734 m2	85,673
21105	BAMS Forward Operational & Maintenance Hangar	11/2011	05/2014	7316 m2	61,702
				TOTAL	147,375

9. Future Projects:

A. Included In The Following Program:

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 860,093

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(*): 0

B. Occupational Safety and Health(OSH)(#): 0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	Aircraft Maintenance Hangar - North Ramp

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P109	85,673

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRCRAFT MAINTENANCE HANGAR - NORTH RAMP (72,484 SF)	m2	6,734		38,490
AIRCRAFT MAINTENANCE HANGAR (72,484 SF)	m2	6,734	4,527.85	(30,490)
INFORMATION SYSTEMS	LS			(300)
BUILT-IN EQUIPMENT	LS			(2,270)
SPECIAL COSTS	LS			(4,000)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(370)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(1,060)
SUPPORTING FACILITIES				35,670
SPECIAL CONSTRUCTION FEATURES	LS			(3,930)
SITE PREPARATIONS	LS			(11,970)
PAVING AND SITE IMPROVEMENTS	LS			(7,170)
ELECTRICAL UTILITIES	LS			(2,630)
MECHANICAL UTILITIES	LS			(6,160)
ENVIRONMENTAL MITIGATION	LS			(3,810)
SUBTOTAL				74,160
CONTINGENCY (5%)				3,710
TOTAL CONTRACT COST				77,870
SIOH (6.2%)				4,830
SUBTOTAL				82,700
DESIGN/BUILD - DESIGN COST				2,970
TOTAL REQUEST ROUNDED				85,670
TOTAL REQUEST				85,673
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4,876)

10. Description of Proposed Construction:

Constructs an aviation maintenance hangar with high bay spaces, crew and equipment spaces, and administrative spaces. Building electrical systems include power, emergency power, lighting, telecommunications, intercommunications/public address, grounding, lightning protection and electronic security systems. Building mechanical systems include fire suppression system, plumbing, heating and air conditioning and compressed

air. Buildings will be constructed with walls, flooring, foundation, windows and roofing system features appropriate to Guam seismic and hurricane conditions.

Information systems include basic telephone, computer network, fiber optic, cable television, security, smoke and fire alarm systems and infrastructure. The facility will also have a separate room that will accommodate an area distribution node in support of outside plant communications.

Built-in equipment includes elevators, overhead bridge cranes and hoists, emergency generators, and aqueous film-forming foam (AFFF) system. Two ready service lockers will be provided.

Special costs include post construction contract award services, geospatial survey and mapping, archaeological monitoring and Guam gross receipt taxes.

Project includes operation and maintenance support information manuals.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 and other laws and Executive Orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, a large amoount of cut and fill, earthwork/grading over-excavation, structural fill, soil retaining structures and radon mitigation.

Special construction features includes land piling and additional seismic features not covered in unit cost.

Paving and site improvements includes roadway improvements, parking for approximately 105 vehicles, minor aircraft pavement and apron work, landscaping and other improvements. The road improvements include appropriate roadway stormwater runoff system. The ground improvements for this project will include a drainage system consistent with the USMC North Ramp Area Development Plan and the stormwater pollution prevention plan.

Electrical utilities includes networks of primary and secondary distribution installed in ducts and manholes, transformer/substation and

street and outside area lighting with associated service equipment. The communication infrastructure will include ducts and manholes for future and current communication cabling and fiber optic lines requirements and includes the communication cabling and fiber optic lines for current requirements.

Mechanical utilities includes domestic and fire protection water distribution, sanitary sewer including lift station, fire pump building, pump station and AFFF collection and storage 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.

Environmental mitigation includes natural and cultural resource mitigation (to include direct and programmatic mitigations), archaeological monitoring, radon mitigation, munitions of concern, unexploded ordnance and contaminated soil removal and disposal.

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: 6,495 m2 **Adequate:** 0 m2 **Substandard:** 0 m2

PROJECT:

This project will construct an aircraft maintenance hangar with the utilities, roads, tactical and personal vehicle parking, site improvements and earthwork necessary for full operation.

(New Mission)

REQUIREMENT:

The Guam International Agreement was approved in Febuary 2009 and reaffirmed in April 2012 between the United States Government and the Government of Japan. The agreement outlined a realignment of Marine Corps elements to reduce United States military footprint in Okinawa, including the relocation of forces from Japan to Guam.

The USMC Aviation Combat Element (ACE) requires operational, maintenance, administrative, and support facilities to conduct the mission requirements of the 1st Marine Air Wing (MAW) elements operating out of AAFB North Ramp.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	Aircraft Maintenance Hangar - North Ramp

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P109	85,673

CURRENT SITUATION:

There are currently no operational or support facilities available at AAFB North Ramp to support 1st MAW operations.

IMPACT IF NOT PROVIDED:

This project is critical in providing the facilities required to support the relocation of USMC aviation forces from Okinawa to Guam. Supported units/activities will not vacate current facilities until replacement facilities in Guam have been completed.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

(A) Date design or Parametric Cost Estimate started	11/2012
(B) Date 35% Design or Parametric Cost Estimate complete	02/2013
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	MCAS New River & MCBH Kaneohe

3. Total Cost (C) = (A) + (B) = (D) + (E):

(A) Production of plans and specifications	$1,594
(B) All other design costs	$2,391
(C) Total	$3,985
(D) Contract	$3,189
(E) In-house	$796

4. Contract award:	01/2014
5. Construction start:	06/2014
6. Construction complete:	01/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Airport Support Vehicles	PMC	2015	603
Computer Hardware and Software	PMC	2015	742
Electronic Security Equipment	PMC	2015	549
Furniture / Furnishings	O&MMC	2015	2,042
Industrial Plant Equipment	PMC	2015	658
Telecommunications Equipment	PMC	2015	281

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	Aircraft Maintenance Hangar - North Ramp

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P109	85,673

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: Robert Pedigo Phone No: (808)477-8778

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	Aircraft Maintenance Hangar - North Ramp

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	21105	P109	85,673

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	BAMS Forward Operational & Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21105	P625	61,702

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
BAMS FORWARD OPERATIONAL & MAINTENANCE HANGAR (78,749 SF)	m2	7,316		34,560
MAINTENANCE HANGAR (78,749 SF)	m2	7,316	4,025.5	(29,450)
BUILT-IN EQUIPMENT	LS			(4,090)
SPECIAL COSTS	LS			(530)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(260)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(230)
SUPPORTING FACILITIES				18,850
SITE PREPARATIONS	LS			(950)
PAVING AND SITE IMPROVEMENTS	LS			(5,680)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
ELECTRICAL UTILITIES	LS			(2,600)
MECHANICAL UTILITIES	LS			(3,900)
ENVIRONMENTAL MITIGATION	LS			(570)
DEMOLITION	LS			(5,100)
SUBTOTAL				53,410
CONTINGENCY (5%)				2,670
TOTAL CONTRACT COST				56,080
SIOH (6.2%)				3,480
SUBTOTAL				59,560
DESIGN/BUILD - DESIGN COST				2,140
TOTAL REQUEST ROUNDED				61,700
TOTAL REQUEST				61,702
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3,350)

10. Description of Proposed Construction:

Construct a high bay maintenance hangar to support forward operations and maintenance functions for the Unmanned Aircraft System (UAS) MQ-4C Broad Area Maritime Surveillance (BAMS) platform. The new hangar will be a reinforced concrete structure. Buildings will be constructed with walls, flooring, foundation, windows and roofing system features appropriate to Guam seismic and hurricane conditions.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	BAMS Forward Operational & Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21105	P625	61,702

Built-in equipment includes a passenger elevator, emergency generator, overhead bridge crane systems, raised flooring, frequency converters providing 400 HZ aircraft power, a compressed air system, an air conditioning system, a catwalk on the roof for antenna access, an Aqueous Film Forming Foam (AFFF) fire suppression system.

Special costs include post construction contract award services and Guam gross receipts tax.

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparation includes site clearing, pavement demolition, cut/fill, earthwork/grading over-excavation, structural fill, soil retaining structures, site utility demolition/relocation, radon mitigation and archaeological monitoring.

Paving and site improvements include a section of aircraft towway and shoulders, realignment of vehicle access roads to hangar, vehicle parking for aircraft ground support equipment, vehicle parking for approximately 11 government vehicles and reconstruction of flightline perimeter wall. Off-site paving and site improvements includes expansion of vehicle parking for approximately 75 privately-owned vehicles (POV), access from the POV parking lot to the hangar and pedestrian security gate at the flightline perimeter wall.

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 and will include a premium information system, intrusion detection system, closed circuit television and card entry access control systems.

Electrical utilities include primary power, secondary power, emergency power and built-in 400 HZ ground support systems, area lighting, transformers/substations, lightning protection, grounding and telecommunication distribution systems for telephone, fiber optic and central area television services. The project also includes provisions for antennas and forward operating base mission control system.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	BAMS Forward Operational & Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21105	P625	61,702

Mechanical utilities include water, sewer and fire protection water storage, pumping and distribution systems. Site utilities include potable domestic and fire hydrant water systems, separate fire sprinkler water system with a fire protection water storage and pumping system and a gravity sanitary sewer collection system. The site drainage system will include new injection wells and water quality filter units replacing the existing drainage system, drainage basins and injection wells. A concrete underground holding tank will be provided to intercept AFFF discharge preventing release directly into injection wells.

Environmental mitigation includes military explosives of concern and unexploded ordnance mitigation.

Demolition of Hangar #5 is required to clear the site for construction (2,140 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: 6,145 m2 **Adequate:** **Substandard:**

PROJECT:

Construct a forward operational and maintenance hangar for the BAMS UAS.

(New Mission)

REQUIREMENT:

Andersen Air Force Base, Guam has been selected as a Forward Operation Base for the UAS MQ-4C BAMS platform. In order to perform these functions, adequate facilities for operations and maintenance are required. The new mission arrives in late 2016 with initial operating capability no later than 31 December 2016. The MQ-4C aircraft maintenance complex is required to support the bed-down of four MQ-4C aircraft and 50 support personnel.

The MQ-4C requires interior and enclosed maintenance space to accomplish scheduled inspections, airframe repairs, pre and post flight operations, as well as technical order compliance and aircraft modifications. Currently the U.S. Air Force is performing a similar mission with the Global Hawk platform. In order to allow for synergy between the two services flying a similar platform, the hangar will be constructed in close proximity to the existing Global Hawk facility.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	BAMS Forward Operational & Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21105	P625	61,702

CURRENT SITUATION:

Naval Support Activity Andersen lacks adequate facilities to conduct squadron level maintenance for the new MQ-4C mission. Existing Hangars #4 and #5 cannot adequately support the new BAMS platform due to building deterioration, age, inadequate configuration and supporting utilities, and limited size. The existing Air Force Global Hawk hangar does not contain adequate space to accommodate the additional Navy unmanned aircraft mission. Other existing facilities are inadequately sized and improperly configured to accommodate the specialized requirements of the new MQ-4C.

IMPACT IF NOT PROVIDED:

Navy, other U.S. and Allied forces operations and surveillance intelligence will be severely impacted by the absence of information provided by the BAMS platform. Construction of the proposed hangar is required to operate and maintain availability of the BAMS platform unmanned aircraft. Missions impacted include maritime surveillance, collection of enemy order of battle information, battle damage assessment, port surveillance, communication relay, maritime interdiction, surface warfare, battle-space management and targeting for maritime and littoral strike missions.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	11/2011
(B) Date 35% Design or Parametric Cost Estimate complete	01/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	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	$1,680
(B) All other design costs	$2,077
(C) Total	$3,757
(D) Contract	$3,646
(E) In-house	$111
4. Contract award:	02/2014
5. Construction start:	05/2014
6. Construction complete:	02/2016

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	BAMS Forward Operational & Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21105	P625	61,702

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Aerospace Ground Equipment (AGE)	OPN	2015	1,000
Antenna Communications	OMN	2015	15
Antenna Navigation (9 ea)	OMN	2015	135
Collateral Equipment	OMN	2015	900
Computer Hardware and Software	OPN	2015	700
ESS/PSE Equipment	OPN	2015	600

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: 757-836-2951

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N41557	4. Project Title
NSA ANDERSEN GUAM ANDERSEN AB, GUAM	BAMS Forward Operational & Maintenance Hangar

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0712876N	21105	P625	61,702

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N61755	4. Command	5. Area Const Cost Index
NAVBASE GUAM APRA, GUAM	Commander Navy Installations Command	2.12

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	501	3411	1218	0	0	0	71	544	0	5745
B. End FY 2017	467	2630	14	0	0	0	71	544	0	3726

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(7 Acres)	
B. INVENTORY AS OF 30 SEP 2012	291,773
C. AUTHORIZATION NOT YET IN INVENTORY	418,727
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	53,420
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	49,268
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	334,369
H. GRAND TOTAL	**1,147,557**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
15160	X-Ray Wharf Improvements	10/2011	05/2014	0 LS	53,420
				TOTAL	53,420

9. Future Projects:

A. Included In The Following Program:	
15260 X-Ray Wharf Improvements Berth 2	49,268
TOTAL	49,268
B. Major Planned Next Three Years:	
C. R&M Unfunded Requirement ($000):	1,735,504

10. Mission or Major Functions:

Provide shoreside logistics and maintenance support to Pacific Fleet and other U.S. and allied shipping. Homeport for submarine tender supporting submarines operating in the western Pacific, Military Sealift Command ships, and nuclear submarines (SSN). Support port operations.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755(AH)	4. Project Title
NAVBASE GUAM (APRA HEIGHTS) APRA, GUAM	X-Ray Wharf Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	15160	P518	53,420

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
X-RAY WHARF IMPROVEMENTS	LS			25,470
SHEET PILE W/ SOIL IMPROVEMENT WHARF	m2	2,470	4,241.15	(10,480)
DREDGING	m3	127,000	44.82	(5,690)
DEEP CEMENT SOIL MIXING (49,050 CY)	m3	32,840	169.51	(5,570)
MOORING DOLPHINS & CATWALK	EA	1	1,155,001	(1,160)
INFORMATION SYSTEMS	LS			(100)
BUILT-IN EQUIPMENT	LS			(1,890)
SPECIAL COSTS	LS			(560)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(20)
SUPPORTING FACILITIES				20,780
SPECIAL CONSTRUCTION FEATURES	LS			(2,040)
SITE PREPARATIONS	LS			(570)
SPECIAL FOUNDATION FEATURES	LS			(620)
PAVING AND SITE IMPROVEMENTS	LS			(2,870)
ELECTRICAL UTILITIES	LS			(3,350)
MECHANICAL UTILITIES	LS			(6,240)
ENVIRONMENTAL MITIGATION	LS			(5,090)
SUBTOTAL				46,250
CONTINGENCY (5%)				2,310
TOTAL CONTRACT COST				48,560
SIOH (6.2%)				3,010
SUBTOTAL				51,570
DESIGN/BUILD - DESIGN COST				1,850
TOTAL REQUEST ROUNDED				53,420
TOTAL REQUEST				53,420
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,040)

10. Description of Proposed Construction:

Rehabilitate and modernize X-Ray Wharf, Berth One to provide berthing and utilities for one Auxiliary Cargo and Ammunition Ship (T-AKE) class supply vessel. Install a new vertical bulkhead and wharf platform in front of and

along the existing X-Ray Wharf. The area behind the new bulkhead and in front of the existing bulkhead will be filled with a cement and soil mix. Construct utility trenches along the front of the wharf to accommodate potable water, sewer and bilge oily waste utilities lines.

The approach channel, turning basin and area in front of the wharf will be dredged to the required depth below mean low low water (MLLW) datum, plus over-dredge allowance. Dredged materials will be disposed in an approved ocean disposal site and/or disposed/reused at an approved upland disposal site.

Information systems include infrastructure for physical security improvements: intrusion detection systems, card readers at the perimeter gates and close circuit telvision cameras along the perimeter fence.

Built-in equipment includes a new generator, two power mounds and mooring specialties: bollards and cleats. Backup generator power for the lighting systems will be provided by a stand-by generator housed in the new generator building.

Special costs include post construction contract award services, archeological monitoring and the project will relocate four existing buoys.

Operations and maintenance support information is included in the project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 (2007) and other laws and Executive Orders. Facilities will comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007.

This project will provide anti-terrorism/force protection (ATFP) features and comply with ATFP regulations and physical security requirements in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.

Special construction features include: a cathodic protection system and coating for the new steel sheet piles, a fender system with corner fender and horizontal foam-filled or pneumatic fenders and all necessary fender support hardware and corner fenders.

Site preparation includes earthwork associated with the construction of the generator building and site demolition at the wharf.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755(AH)	4. Project Title
NAVBASE GUAM (APRA HEIGHTS) APRA, GUAM	X-Ray Wharf Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	15160	P518	53,420

Special foundation features includes piles used in the support of the wharf and buildings.

Paving and site improvements includes pavement, security fencing and low impact development improvements.

Electrical utilities include primary and secondary distribution systems, transformers, telecommunications, area lighting for the wharf deck and security lighting along the perimeter fence line. A pad-mounted switch and transformer will be provided to support wharf requirements. Communication conduits will be installed from the communication riser at the berth to a communications room which will be co-located in the new generator building.

Mechanical utilities include potable water, sewer, sewer pump station and bilge oily waste transfer (BOWT) along the front of the wharf. Storm drainage will be provided on the wharf to collect and direct storm water runoff to a system of onshore treatment/filtering units before discharge to the harbor. Additional water hydrants will be provided on the wharf for fire protection.

Environmental mitigation includes natural resource mitigation and munitions and explosives of concern (MEC) and unexploded ordnance (UXO) clearance. The in-water construction activities involve natural resource mitigation. The on-shore construction activites involve wetland restoration. UXO mitigation will be provided in compliance with the Explosives Safety Submission (ESS) for Guam Munitions Response Sites, as approved by the Defense Explosives Safety Board.

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:

PROJECT:

Renovates X-Ray wharf to provide berthing for one T-AKE vessel with minimum utilities services including potable water, sewer, BOWTS and power, as well as fire protection, storm drainage, wharf and security lighting and dredges portions of the Inner Apra Harbor.

(Current Mission)

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755(AH)	4. Project Title
NAVBASE GUAM (APRA HEIGHTS) APRA, GUAM	X-Ray Wharf Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	15160	P518	53,420

REQUIREMENT:

The Apra Harbor Naval Complex provides vital logistics and operational support to ships traveling to the Pacific Ocean, the Indian Ocean and the Persian Gulf. Guam is a critical re-supply point for naval operations. In line with these capabilities, the waterfront complex at Guam provides daily waterfront support services to the Military Sealift Command (MSC) Ships.

MSC has replaced the Mars/Sirius class ship with the new and larger Lewis and Clark T-AKE class ship. The T-AKE ships provide Navy ships with fuel, food, ordnance, spare parts, mail and other supplies. Currently, two T-AKE ships are homeported at Naval Base Guam and have a berthing requirement for resupply and maintenance operations.

Capacity to berth T-AKE ships at X-Ray Wharf requires dredging to support fully loaded vessels -10.67 meter MLLW and utilities services.

The T-AKE berths have an operational requirement for power. The power demand for one T-AKE ship is 8,000A.

The T-AKE berths have an operational requirement for intermediate maintenance activities. The project meets this requirement by providing a wharf deck capable of supporting a 140 ton mobile crane. In addition, a BOWT system is required for the two berths.

Regional requirements have been established for waterfront facilities improvements based on the current mission that includes utilities upgrade at X-Ray Wharf in order to accommodate the new T-Class ships.

Water and sewer utilities, telecommunications and local area network are required for all berths.

CURRENT SITUATION:

The X-Ray Wharf currently provides berthing services to Navy ships that visit or homeport in Guam.

The sea bottom alongside the wharf and approach from mouth of the harbor is dredged to depth of -9.75 meters MLLW datum. The T-AKE vessels can not utilize the X-Ray Wharf due to the greater draft requirement of -10.67 meters MLLW; instead they are forced to use Kilo Wharf. This degrades the logistical capacity of the Guam waterfront.

The power, communications and BOWT capacities are insufficient to serve the T-AKE ships. The wharf does not have electrical power mounds nor a

perimeter fence lighting system. The existing wharf lighting system is insufficient to light the wharf.

IMPACT IF NOT PROVIDED:

If this project is not executed, the T-AKE class vessels will continue to offload at Kilo Wharf, the primary ordnance ammunition handling pier for the Western Pacific. Ammunition handling is delayed by the use of the pier by the T-AKE for supply movements. And multiple movements of goods from Kilo Wharf to and from other locations leads to inefficiencies and vastly reduced supply throughputs.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	10/2011
(B) Date 35% Design or Parametric Cost Estimate complete	01/2013
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy Study/Life Cycle Analysis performed	Yes
2. Basis:	
(A) Standard or Definitive Design	No
(B) Where design was previously used	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$1,087
(B) All other design costs	$1,631
(C) Total	$2,718
(D) Contract	$2,310
(E) In-house	$408
4. Contract award:	01/2014
5. Construction start:	05/2014
6. Construction complete:	06/2016

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Foam Filled Fender	OPN	2014	1,040

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61755(AH)	4. Project Title
NAVBASE GUAM (APRA HEIGHTS) APRA, GUAM	X-Ray Wharf Improvements

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0203176N	15160	P518	53,420

Activity POC: Project Development Lead Phone No: 671-333-1320

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: M67400	4. Command	5. Area Const Cost Index
MARINE CORPS BASE, CAMP SMEDLEY BUTLE FUTENMA, JAPAN	Commandant of the Marine Corps	1.54

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1811	15089	4218	9	1982	1	0	0	18060	41170
B. End FY 2017	1692	13278	4202	20	2051	0	0	0	18060	39303

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE ..(1187 Acres)	
B. INVENTORY AS OF 30 SEP 2012	977,720
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,820
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,471
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	**989,011**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
87210	Airfield Security Upgrades	01/2012	05/2014	7500 m	5,820
				TOTAL	5,820

9. Future Projects:

A. Included In The Following Program:

21105 Aircraft Maintenance Hangar Updgrade	5,471
TOTAL	5,471

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 76,733

10. Mission or Major Functions:

Marine Corps Air Station Futenma supports and enhances the combat readiness of 1st 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 and functions as a United Nations Command (Rear) Airfield in order to deter, prevent, and defeat threats and aggression.

11. Outstanding Pollution and Safety Deficiencies ($000):

A. Pollution Abatement(*):	0
B. Occupational Safety and Health(OSH)(#):	0

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67400(AS)	4. Project Title
MARINE CORPS BASE, CAMP SMEDLEY BUTLER (MCAS FUTENMA-6051) FUTENMA, JAPAN	Airfield Security Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	87210	P201	5,820

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRFIELD SECURITY UPGRADES (24,606 LF)	m	7,500		3,830
AIRFIELD FENCE (24,606 LF)	m	7,500	497.41	(3,730)
SPECIAL COSTS	LS			(60)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(40)
SUPPORTING FACILITIES				1,200
SPECIAL CONSTRUCTION FEATURES	LS			(120)
SITE PREPARATIONS	LS			(320)
PAVING AND SITE IMPROVEMENTS	LS			(570)
ELECTRICAL UTILITIES	LS			(20)
ENVIRONMENTAL MITIGATION	LS			(170)
SUBTOTAL				5,030
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,280
SIOH (6.5%)				340
SUBTOTAL				5,620
DESIGN/BUILD - DESIGN COST				200
TOTAL REQUEST ROUNDED				5,820
TOTAL REQUEST				5,820
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(435)

10. Description of Proposed Construction:

Construct airfield perimeter fence. The fence shall be new chain link wire mesh, concrete posts, top rails, and barbed wires and gates to include manual gates, sliding gates, drainage ditches, turnstiles and erosion countermeasures along the fence line and provide all appurtenant items. Provide electrically powered access controlled gate that is required across from the Crash/Fire Dispatch facility and powered access controlled turnstile locations.

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.

Special costs include post construction contract award services and

geospatial survey and mapping.

Operations and maintenance support information is included in this project.

Environmental mitigation will include an onsite archaeologist to observe and document digging in areas deemed sensitive based on findings from test digs or other available data. Storm water management will follow the Japan Environmental Governing Standards during the site removal and restorations (construction shall include a by-pass system to divert the runoff during construction).

Sustainable design principles will be included in the design and construction of the project in accordance with applicable laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. 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: 7,500 m **Adequate:** 0 m **Substandard:** 0 m

PROJECT:

Project will install security fencing, motorized vehicle gates, and turnstiles. This project will ensure the flight line meets Level II security requirements.

(Current Mission)

REQUIREMENT:

MCAS Futenma is the primary air station for 1st Marine Air Wing (1st MAW) and is a critical component of the Marine Corps forward deployed presence. Flight lines need to meet Level II restricted area requirements in order to provide protection to 1st MAW personnel and aircraft. The flight line needs to have clearly defined and protected perimeters and access control points.

CURRENT SITUATION:

The current MCAS Futenma flight line does not meet the requirements for Level II restricted areas and is in violation of flight line security program requirements. There is no clearly defined and protected perimeter.

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67400(AS)	4. Project Title
MARINE CORPS BASE, CAMP SMEDLEY BUTLER (MCAS FUTENMA-6051) FUTENMA, JAPAN	Airfield Security Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	87210	P201	5,820

In many places, no flight line barriers exist at all allowing uncontrolled access to the flight line in violation of flight line security protocol and orders.

IMPACT IF NOT PROVIDED:

MCAS Futenma will not be capable of providing Level II airfield security. Failure to provide a flight line meeting Level II restricted area requirements will result in assets being put at risk due to unauthorized access to the flight line.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:	
(A) Date design or Parametric Cost Estimate started	01/2012
(B) Date 35% Design or Parametric Cost Estimate complete	05/2012
(C) Date design completed	05/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy Study/Life Cycle Analysis performed	Yes
2. Basis:	
(A) Standard or Definitive Design	No
(B) Where design was previously used	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$15
(B) All other design costs	$205
(C) Total	$220
(D) Contract	$200
(E) In-house	$20
4. Contract award:	02/2014
5. Construction start:	05/2014
6. Construction complete:	05/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Security equipment	PMC	2015	435

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

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: M67400(AS)	4. Project Title
MARINE CORPS BASE, CAMP SMEDLEY BUTLER (MCAS FUTENMA-6051) FUTENMA, JAPAN	Airfield Security Upgrades

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0216496M	87210	P201	5,820

benefited by this project.

Activity POC: Project Development Lead Phone No: DSN(315)645-5467

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation and Location: N61054	4. Command	5. Area Const Cost Index
COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	Commander Navy Installations Command	1.38

6. Personnel Strength:	PERMANENT			STUDENTS			SUPPORT			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
A. As Of 09-30-12	1065	7736	1041	0	0	0	131	850	0	10823
B. End FY 2017	1012	8143	287	0	0	0	119	331	0	9892

7. INVENTORY DATA ($000)

A.	TOTAL ACREAGE ..(2938 Acres)	
B.	INVENTORY AS OF 30 SEP 2012	5,332,531
C.	AUTHORIZATION NOT YET IN INVENTORY	1,380
D.	AUTHORIZATION REQUESTED IN THIS PROGRAM	7,568
E.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F.	PLANNED IN NEXT THREE PROGRAM YEARS	0
G.	REMAINING DEFICIENCY	0
H.	**GRAND TOTAL .....**	**5,341,479**

8. Projects Requested In This Program

Cat Code	Project Title	Design Status Start	Design Status Complete	Scope	Cost ($000)
13140	Communication System Upgrade	07/2012	04/2014	902 m2	7,568
				TOTAL	7,568

9. Future Projects:

A. Included In The Following Program:

B. Major Planned Next Three Years:

C. R&M Unfunded Requirement ($000): 990,124

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

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1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61054	4. Project Title
COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	Communication System Upgrade

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0311376N	13140	P011	7,568

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
COMMUNICATION SYSTEM UPGRADE (9,709 SF)	m2	902		1,070
NCTSFE STRG CAVE (9,709 SF)(RENOVATE)	m2	902	995.28	(900)
SPECIAL COSTS	LS			(100)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(10)
LEED AND EPACT 2005 COMPLIANCE (INSIDE)	LS			(60)
SUPPORTING FACILITIES				5,450
SITE PREPARATIONS	LS			(460)
ELECTRICAL UTILITIES	LS			(4,990)
SUBTOTAL				6,520
CONTINGENCY (5%)				330
TOTAL CONTRACT COST				6,850
SIOH (6.5%)				450
SUBTOTAL				7,300
DESIGN/BUILD - DESIGN COST				260
TOTAL REQUEST ROUNDED				7,560
TOTAL REQUEST				7,568
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(13,041)

10. Description of Proposed Construction:

Expands and upgrades cable distribution infrastructure on Fleet Activities Yokosuka and renovates a storage cave for use by Naval Computer and Telecommunications Station Far East (NCTS FE). This project supplements the programmed Japanese Facilities Improvement Program (JFIP) project for a telephone exchange. The JFIP project will construct a new facility and will include a new telephone exchange and NCTS FE administration, operations, command suite and base communications office (BCO).

Upgrade cable distribution infrastructure including construction of cable pathway, maintenance holes, and copper and optical fiber cable.

Renovation of storage cave CB14 includes repair and replacement of HVAC and dehumidification system; upgrades to electrical and lighting systems;

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61054	4. Project Title
COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	Communication System Upgrade

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0311376N	13140	P011	7,568

demolition and disposal of existing system infrastructure within storage cave; installation of commercial shelving system; repair floor drainage, refinish and raise concrete floor; and construction of internal access ramps.

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.

Special costs include post construction contract award services and geospatial survey and mapping.

Operations and maintenance support information is included in the project.

Sustainable design principles will be included in the design and construction of the project in accordance with Executive Order 13423 (2007) and other laws and executive orders. Facilities will meet LEED ratings and comply with the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Low Impact Development will be included in the design and construction of this project as appropriate.

Site preparations include contaminated soil mitigation.

Electrical utilities include communications distribution including telephone and fiber optic cabling, underground ducts and intermediate trunk line splicing.

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 expands and upgrades cable distribution infrastructure throughout the main base to accommodate and supplement the JFIP project for the telephone exchange and renovates storage cave CB14.

(Current Mission)

REQUIREMENT:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61054	4. Project Title
COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	Communication System Upgrade

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0311376N	13140	P011	7,568

Adequate and efficiently configured telecommunications facilities are required to meet current and future requirments at Fleet Activities Yokosuka. NCTS FE is the sole provider of Navy Information Technology (IT) and telecommunications services in the Western Pacific and Indian Ocean regions and requires adequate, fault resistant infrastructure and connectivity to all activities and personnel and redundant connectivity to all Command and Control users. JFIP project NA633 will construct the infrastructure that will support P-011 and the two projects are critically linked. NA633 is currently finishing design and planned to start construction in Jan 2014.

CURRENT SITUATION:

Increases in mission support requirements have exhausted all existing infrastructure. Recent changes affecting communication requirements include: barracks upgrades; increased telecommunications requirements to support the forward deployed CVN-73 George Washington carrier battle group; secure voice; classified and unclassified video teleconferencing systems; and other IT requirements.

Since 2002, the telephone switch expanded from 9,993 lines to 15,500 lines. Due to the lack of switch room floor space, this is the maximum line expansion possible. While 15,500 lines meet current requirements, planned and future projects require a switch expansion to 20,000 lines with an additional 4,000 lines for required contingency reserve. The new JFIP project addresses this shortfall and this MCON project augments the base-wide distribution and support requirements. The storage cage renovatioin is required to fully utilize the JFIP project.

IMPACT IF NOT PROVIDED:

Lack of space to terminate new backbone cable in the existing BCO has caused the over-subscription of the copper backbone cable plant.

Optical fiber backbone termination space is decreasing in the BCO due to operationally critical emerging demands for more robust, reliable, survivable, and redundant infrastructure. Service denial has already become an issue across the base due to lack of backbone cable pairs leaving the BCO.

12. Supplemental Data:

A. Estimated Design Data:

1. Status:

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N61054	4. Project Title
COMFLEACT YOKOSUKA JA YOKOSUKA, JAPAN	Communication System Upgrade

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0311376N	13140	P011	7,568

(A) Date design or Parametric Cost Estimate started	07/2012
(B) Date 35% Design or Parametric Cost Estimate complete	07/2012
(C) Date design completed	04/2014
(D) Percent completed as of September 2012	5%
(E) Percent completed as of January 2013	5%
(F) Type of design contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy Study/Life Cycle Analysis performed	Yes
2. Basis:	
(A) Standard or Definitive Design	No
(B) Where design was previously used	
3. Total Cost (C) = (A) + (B) = (D) + (E):	
(A) Production of plans and specifications	$148
(B) All other design costs	$222
(C) Total	$370
(D) Contract	$315
(E) In-house	$55
4. Contract award:	02/2014
5. Construction start:	05/2014
6. Construction complete:	09/2015

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

Equipment Nomenclature	Procuring Approp	FY Approp or Requested	Cost ($000)
Communication Switch	APN	2015	13,041

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: DSN 315-243-5266

TAB:

PLANNING AND DESIGN

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N64482	4. Project Title
PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA	Planning & Design

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
		P214	89,830

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
PLANNING & DESIGN	LS			89,830
DESIGN COSTS	LS			(89,830)
SUBTOTAL				89,830
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				89,830
SIOH (0%)				0
SUBTOTAL				89,830
TOTAL REQUEST ROUNDED				89,830
TOTAL REQUEST				89,830

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	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N64482 PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA	4. Project Title Planning & Design

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
		P214	89,830

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 2012
   (E) Percent completed as of January 2013
   (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:

TAB:

UNSPECIFIED MINOR CONSTRUCTION

1. Component	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. Date
NAVY		31 MAR 2013

3. Installation(SA)& Location/UIC: N64481 MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA	4. Project Title Unspecified Minor Construction

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
		P214	19,740

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
UNSPECIFIED MINOR CONSTRUCTION	LS			19,740
UNSPECIFIED MINOR CONSTRUCTION	LS			(19,740)
SUBTOTAL				19,740
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				19,740
SIOH (0%)				0
SUBTOTAL				19,740
TOTAL REQUEST ROUNDED				19,740
TOTAL REQUEST				19,740

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 $2,000,000; $3,000,000 if intended solely to correct a deficiency that is life-threatening, health-threatening, or safety-threatening; or (until 30 Sep 2016 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

(B) Date 35% Design or Parametric Cost Estimate complete
(C) Date design completed
(D) Percent completed as of September 2012
(E) Percent completed as of January 2013
(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:

TAB:

FAMILY HOUSING

DEPARTMENT OF THE NAVY

FY 2014

BUDGET ESTIMATES

FAMILY HOUSING PROGRAM

JUSTIFICATION DATA SUBMITTED TO CONGRESS

APRIL 2013

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DEPARTMENT OF THE NAVY
NAVY/MARINE CORPS MILITARY FAMILY HOUSING
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Summary

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2014 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 improvements 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 affordable 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 balanced, fiscally constrained program which is geared towards modernizing inadequate units and ensuring proper sustainment of current inventory.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
PROGRAM SUMMARY

($000)

FY 2014 Budget Request	$463,251
FY 2013 Program Budget	$480,412
FY 2013 Annualized Continuing Resolution (CR) Adjustments	($8,708)
Total FY 2013 PB Request with Annualized CR Adjustments*	$471,704

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 $463,251

(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 2014 follows ($000):

Program	Navy	Marine Corps	DON Total
Construction			
Appropriation Request	48,691	24,716	73,407
Reimbursements	0	0	0
Total Program	48,691	24,716	73,407
Operations, Utilities, PPV Support, Maintenance, and Leasing			
Appropriation Request	356,194	33,650	389,844
Reimbursements	16,000	1,645	17,645
Total Program	372,194	35,295	407,489
Total			
Appropriation Request	404,885	58,366	463,251
Reimbursements	16,000	1,645	17,645
Total Program	420,885	60,011	480,896

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DEPARTMENT OF THE NAVY, NAVY
FH-11 Inventory and Condition[1] of Government-Owned, Family Housing Units
WORLDWIDE
(Number of Dwelling Units in Inventory)
Fiscal Year 2014

	Number of Units - Worldwide						
	FY 2012	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**
Beginning of FY Adequate Inventory Total	5,322	5,635	5,537	5,664	5,767	6,049	6,225
Q1 - 90% to 100%	2,813	1,511	1,651	1,778	2,094	2,376	2,642
Q2 - 80% to 89%	2,509	4,124	3,886	3,886	3,673	3,673	3,583
Beginning of FY Inadequate Inventory Total	4,699	4,267	3,421	3,294	2,397	1,957	1,083
Q3 - 60% to 79%	3,750	2,874	2,443	2,375	1,736	1,492	1,081
Q4 - 59% and below	949	1,393	978	919	661	465	2
Beginning of FY Total Inventory	10,021	9,902	8,958	8,958	8,164	8,006	7,308
Percent Adequate - Beginning of FY Inventory	**53%**	**57%**	**62%**	**63%**	**71%**	**76%**	**85%**
Inadequate Inventory Reduced Through:	(432)	(846)	(127)	(897)	(440)	(874)	(270)
Construction (MILCON)	(236)	(144)	(127)	(285)	(282)	(266)	(267)
Maintenance & Repair (O&M)	(313)	0	0	0	0	0	0
Privatization	0	(602)	0	0	0	(136)	0
Demolition/Divestiture/Diversion/Conversion	(40)	(100)	0	(612)	(158)	(472)	(3)
Funded by Host Nation	0	0	0	0	0	0	0
Additional Inadequate Units Identified[3]	157	0	0	0	0	0	0
Adequate Inventory Changes:	(79)	(242)	0	(182)	0	(90)	(23)
Privatization	0	(268)	0	0	0	(90)	0
Loss - Demo/Divestiture/Diversion/Conversion	(79)	(4)	0	(182)	0	0	(23)
Gain - Host Nation/Diversion/Conversion	0	30	0	0	0	0	0
TOTAL INVENTORY (with Transitional[2] Units)							
End of FY Adequate Inventory Total	5,635	5,537	5,664	5,767	6,049	6,225	6,469
Q1 - 90% to 100%	1,511	1,651	1,778	2,094	2,376	2,642	2,931
Q2 - 80% to 89%	4,124	3,886	3,886	3,673	3,673	3,583	3,538
End of FY Inadequate Inventory Total	4,267	3,421	3,294	2,397	1,957	1,083	813
Q3 - 60% to 79%	2,874	2,443	2,375	1,736	1,492	1,081	811
Q4 - 59% and below	1,393	978	919	661	465	2	2
End of FY Total Inventory	9,902	8,958	8,958	8,164	8,006	7,308	7,282
INVENTORY (without Transitional[2] Units)							
End of FY Adequate Inventory Total	5,635	5,537	5,664	5,767	6,049	6,225	6,469
Q1 - 90% to 100%	1,511	1,651	1,778	2,094	2,376	2,642	2,931
Q2 - 80% to 89%	4,124	3,886	3,886	3,673	3,673	3,583	3,538
End of FY Inadequate Inventory Total	4,267	3,421	3,294	2,397	1,957	1,083	813
Q3 - 60% to 79%	2,874	2,443	2,375	1,736	1,492	1,081	811
Q4 - 59% and below	1,393	978	919	661	465	2	2
End of FY Total Inventory	9,902	8,958	8,958	8,164	8,006	7,308	7,282
Percent Adequate - End of FY Inventory	**57%**	**62%**	**63%**	**71%**	**76%**	**85%**	**89%**
DOD Performance Goal - At least 90% Q1/Q2 beginning in FY 2012		**90%**	**90%**	**90%**	**90%**	**90%**	**90%**

NOTE:
1 - Condition Index (CI) is a general measure at a specific point in time with respect to physical condition and ability to support the current occupant or mission. CI is calculated as the ratio of Plant Replacement Value (PRV) minus the estimated cost of maintenance and repair requirements, divided by PRV. This provides a CI, or Q-rating (Q1 to Q4), from 0% to 100%, with 100% representing excellent condition.
2 - Transitional FH is defined as units: 1) at non-enduring sites, as a result of organizational deactivations, consolidation and relocation efforts; 2) at enduring sites, where FH units have been identified by the Services as surplus/excess; and in both cases, the Service has formally planned, documented, funded and/or officially announced the divestiture, demolition or transfer of these units in the FYDP.
3 - Condition Assessments are conducted on a rolling basis. As results are received, Q-Ratings are updated. This can result in homes previously identified as "Adequate" being re-rated as "Inadequate" and vice versa. In 2012, recent analyses and updated Area Cost & Inflation factors resulted in 157 homes previously identified as "Adequate" being re-rated as "Inadequate."

Explanation of Navy's Housing Investment Strategy

Based on the current funding plan, the Navy achieves ≥ 90% Q1/Q2 inventory by 2019 vice 2012. This two-year delay from the PB13 plan, which had the Navy achieving ≥ 90% Q1/Q2 by 2017, is attributed to the inclusion of NSA Andersen inventory into this metric. The PB13 plan had excluded this Inventory based on uncertainty of recapitalization plans for these homes. With its inclusion, the Navy will need two additional years of investment to achieve 90% Q1/Q2. Overall, the delay in achieving the goal is primarily tied to the Navy's goal of addressing the backlog of inadequate units in a timely manner while taking into consideration current occupancy and baseloading requirements, with a priority being placed on maintaining sufficient on-base housing for overseas families.

DEPARTMENT OF THE NAVY, NAVY
FH-11 Inventory and Condition[1] of Government-Owned, Family Housing Units
UNITED STATES (CONUS plus Hawaii and Alaska)
(Number of Dwelling Units in Inventory)
Fiscal Year 2014

	Number of Units - U.S.						
	FY 2012	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**
Beginning of FY Adequate Inventory Total	332	405	137	137	137	137	47
Q1 - 90% to 100%	58	38	4	4	4	4	4
Q2 - 80% to 89%	274	367	133	133	133	133	43
Beginning of FY Inadequate Inventory Total	816	743	141	141	141	141	5
Q3 - 60% to 79%	651	414	112	112	112	112	5
Q4 - 59% and below	165	329	29	29	29	29	0
Beginning of FY Total Inventory	1,148	1,148	278	278	278	278	52
Percent Adequate - Beginning of FY Inventory	**29%**	**35%**	**49%**	**49%**	**49%**	**49%**	**90%**
Inadequate Inventory Reduced Through:	(73)	(602)	0	0	0	(136)	(5)
Construction (MILCON)							(2)
Maintenance & Repair (O&M)	(154)						
Privatization		(602)				(136)	
Demolition/Divestiture/Diversion/Conversion							(3)
Funded by Host Nation							
Additional Inadequate Units Identified	81						
Adequate Inventory Changes:	0	(268)	0	0	0	(90)	(23)
Privatization		(268)				(90)	
Loss - Demo/Divestiture/Diversion/Conversion							(23)
Gain - Host Nation/Diversion/Conversion							
End of FY Adequate Inventory Total	405	137	137	137	137	47	26
Q1 - 90% to 100%	38	4	4	4	4	4	24
Q2 - 80% to 89%	367	133	133	133	133	43	2
End of FY Inadequate Inventory Total	743	141	141	141	141	5	0
Q3 - 60% to 79%	414	112	112	112	112	5	0
Q4 - 59% and below	329	29	29	29	29	0	0
End of FY Total Inventory	1,148	278	278	278	278	52	26
Percent Adequate - End of FY Inventory	**35%**	**49%**	**49%**	**49%**	**49%**	**90%**	**100%**

NOTE:
1 - Condition Index (CI) is a general measure at a specific point in time with respect to physical condition and ability to support the current occupant or mission. CI is calculated as the ratio of Plant Replacement Value (PRV) minus the estimated cost of maintenance and repair requirements, divided by PRV. This provides a CI, or Q-rating (Q1 to Q4), from 0% to 100%, with 100% representing excellent condition.

DEPARTMENT OF THE NAVY, NAVY
FH-11 Inventory and Condition[1] of Government-Owned, Family Housing Units
FOREIGN (includes U.S. Territories)
(Number of Dwelling Units in Inventory)
Fiscal Year 2014

	Number of Units - Foreign						
	FY 2012	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**
Beginning of FY Adequate Inventory Total	4,990	5,230	5,400	5,527	5,630	5,912	6,178
Q1 - 90% to 100%	2,755	1,473	1,647	1,774	2,090	2,372	2,638
Q2 - 80% to 89%	2,235	3,757	3,753	3,753	3,540	3,540	3,540
Beginning of FY Inadequate Inventory Total	3,883	3,524	3,280	3,153	2,256	1,816	1,078
Q3 - 60% to 79%	3,099	2,460	2,331	2,263	1,624	1,380	1,076
Q4 - 59% and below	784	1,064	949	890	632	436	2
Beginning of FY Total Inventory	8,873	8,754	8,680	8,680	7,886	7,728	7,256
Percent Adequate - Beginning of FY Inventory	**56%**	**60%**	**62%**	**64%**	**71%**	**77%**	**85%**
Inadequate Inventory Reduced Through:	(359)	(244)	(127)	(897)	(440)	(738)	(265)
Construction (MILCON)	(236)	(144)	(127)	(285)	(282)	(266)	(265)
Maintenance & Repair (O&M)	(159)						
Privatization							
Demolition/Divestiture/Diversion/Conversion	(40)	(100)		(612)	(158)	(472)	
Funded by Host Nation							
Additional Inadequate Units Identified	76						
Adequate Inventory Changes:	(79)	26	0	(182)	0	0	0
Privatization							
Loss - Demo/Divestiture/Diversion/Conversion	(79)	(4)		(182)			
Gain - Host Nation/Diversion/Conversion		30					
End of FY Adequate Inventory Total	5,230	5,400	5,527	5,630	5,912	6,178	6,443
Q1 - 90% to 100%	1,473	1,647	1,774	2,090	2,372	2,638	2,907
Q2 - 80% to 89%	3,757	3,753	3,753	3,540	3,540	3,540	3,536
End of FY Inadequate Inventory Total	3,524	3,280	3,153	2,256	1,816	1,078	813
Q3 - 60% to 79%	2,460	2,331	2,263	1,624	1,380	1,076	811
Q4 - 59% and below	1,064	949	890	632	436	2	2
End of FY Total Inventory	8,754	8,680	8,680	7,886	7,728	7,256	7,256
Percent Adequate - End of FY Inventory	**60%**	**62%**	**64%**	**71%**	**77%**	**85%**	**89%**

NOTE:
1 - Condition Index (CI) is a general measure at a specific point in time with respect to physical condition and ability to support the current occupant or mission. CI is calculated as the ratio of Plant Replacement Value (PRV) minus the estimated cost of maintenance and repair requirements, divided by PRV. This provides a CI, or Q-rating (Q1 to Q4), from 0% to 100%, with 100% representing excellent condition.

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 2012	**10,021**	**4,699**	
FY 2012 total traditional military construction (MILCON) projects to eliminate inadequate housing units			**549**
HA-12-01; Atsugi, Japan	1,005	637	0
HA-12-02; Atsugi, Japan	1,005	637	0
HD-12-01; Guantanamo Bay, Cuba	734	284	15
HR-12-01; Rota, Spain	744	236	119
HY-12-01; Yokosuka, Japan	2,876	838	68
HY-12-02; Yokosuka, Japan	2,876	838	34
N/A; Atsugi, Japan (Maint/Major Repair)	1,005	637	1
N/A; NB Guam, Guam (Maint/Major Repair)	1,446	590	158
N/A; West Sound-Jackson Park, WA (Maint/Major Repair)	870	614	154
FY 2012 total units privatized (no longer require FH O&M) to eliminate inadequate housing	**0**	**0**	**0**
FY 2012 total units demolished/divested or otherwise permanently removed from family housing inventory	**(119)**		**40**
Rota, Spain (Conversion - H-08-03)	(34)	236	9
Atsugi, Japan (Conversion - HA-12-01)	(24)	637	0
Guantanamo Bay, Cuba (Conversion - HD-12-01)	(10)	127	10
Guantanamo Bay, Cuba (Inventory Adjustment)[2]	(15)	127	15
Andersen AFB, Guam (Demolition - Tumon Tank Farm)	(6)	1,000	6
NB Guam, Guam (H-952)[3]	(30)	590	0
2012 Condition Assessment Adjustment[1]	**0**	**0**	**(157)**
Total Units at end of FY 2012	**9,902**	**4,267**	**432**

[1] Condition Assessments are conducted on a rolling basis. As results are received, Q-Ratings are updated. This can result in homes previously identified as "Adequate" being re-rated as "Inadequate" and vice versa. In 2012, recent analyses and updated Area Cost & Inflation factors resulted in 157 homes previously identified as "Adequate" being re-rated as "Inadequate."

[2] Homes at Guantanamo Bay that were previously expected to be retained are now planned for divestiture.

[3] Homes associated with an FY10 FHCON Project that constructed 30 new homes were expected to come online in FY12. Revised estimate is FY13.

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 2013	**9,902**	**4,267**	
FY 2013 total traditional military construction (MILCON) projects to eliminate inadequate housing units			**144**
HA-13-02; Atsugi, Japan	981	520	44
HG-13-01; NB Guam, Guam	1,372	415	75
HY-13-05; Yokosuka, Japan	2,876	564	25
FY 2013 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 2013 total units demolished/divested or otherwise permanently removed from family housing inventory	**(74)**		**100**
NB Guam, Guam (Divestiture)	(44)	415	40
NB Guam, Guam (Demolition)	(60)	0	60
NB Guam, Guam (H-952)	30	415	0
Total Units at end of FY 2013	**8,958**	**3,421**	**846**

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	**8,958**	**3,421**	
FY 2014 total traditional military construction (MILCON) projects to eliminate inadequate housing units			**127**
HS-14-01; Sasebo, Japan	749	72	68
HG-14-03; NB Guam, Guam	1,432	356	59
FY 2014 total units privatized (no longer require FH O&M) to eliminate inadequate housing			
FY 2014 total units demolished/divested or otherwise permanently removed from family housing inventory			
Total Units at end of FY 2014	**8,958**	**3,294**	**127**

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DEPARTMENT OF NAVY, MARINE CORPS
FH-11 Inventory and Condition[1] of Government-Owned, Family Housing Units
WORLDWIDE
(Number of Dwelling Units in Inventory)
Fiscal Year 2014

	Number of Units - Worldwide						
	FY 2012	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**
Beginning of FY Adequate Inventory Total	798	798	780	961	1,518	1,846	1,870
Q1 - 90% to 100%	685	731	707	913	1,510	1,818	1,822
Q2 - 80% to 89%	113	67	73	48	8	28	48
Beginning of FY Inadequate Inventory Total	19	19	36	54	54	24	-
Q3 - 60% to 79%	18	18	36	54	54	24	-
Q4 - 59% and below	1	1	-	-	-	-	-
Beginning of FY Total Inventory	817	817	816	1,015	1,572	1,870	1,870
Percent Adequate - Beginning of FY Inventory	**98%**	**98%**	**96%**	**95%**	**97%**	**99%**	**100%**
Inadequate Inventory Reduced Through:	-	(17)	(18)	-	30	24	-
Construction (MilCon)	76	44	50	44	30	48	44
Maintenance & Repair (O&M)	-	-	-	-	-	-	-
Privatization	-	1	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	-	-	-	-	-	-	-
Funded by Host Nation	-	-	-	-	-	-	-
Additional Inadequates (Identified)[2]	(76)	(62)	(68)	(44)	-	(24)	(44)
Adequate Inventory Changes:	(76)	(62)	131	433	378	(24)	(44)
Privatization	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	-	-	-	-	-	-	-
New Construction	-	-	199	477	378	-	-
Additional Inadequates (Identified)[2]	(76)	(62)	(68)	(44)	-	(24)	(44)
TOTAL INVENTORY (with Transitional[2] Units)							
End of FY Adequate Inventory Total	798	780	961	1,518	1,846	1,870	1,870
Q1 - 90% to 100%	731	707	913	1,510	1,818	1,822	1,778
Q2 - 80% to 89%	67	73	48	8	28	48	92
End of FY Inadequate Inventory Total	19	36	54	54	24	-	-
Q3 - 60% to 79%	18	36	54	54	24	-	-
Q4 - 59% and below	1	-	-	-	-	-	-
End of FY Total Inventory	817	816	1,015	1,572	1,870	1,870	1,870
INVENTORY (without Transitional[2] Units)							
End of FY Adequate Inventory Total	798	780	961	1,518	1,846	1,870	1,870
Q1 - 90% to 100%	731	707	913	1,510	1,818	1,822	1,778
Q2 - 80% to 89%	67	73	48	8	28	48	92
End of FY Inadequate Inventory Total	19	36	54	54	24	0	0
Q3 - 60% to 79%	18	36	54	54	24	0	0
Q4 - 59% and below	1	0	0	0	0	0	0
End of FY Total Inventory	817	816	1,015	1,572	1,870	1,870	1,870
Percent Adequate - End of FY Inventory	**98%**	**96%**	**95%**	**97%**	**99%**	**100%**	**100%**
DoD Performance Goal - At least 90% Q1/Q2 beginning in FY 2012		**90%**	**90%**	**90%**	**90%**	**90%**	**90%**

NOTE:
1 - Condition Index (CI) is a general measure at a specific point in time with respect to physical condition and ability to support the current occupant or mission. CI is calculated as the ratio of Plant Replacement Value (PRV) minus the estimated cost of maintenance and repair requirements, divided by PRV. This provides a CI, or Q-rating (Q1 to Q4), from 0% to 100%, with 100% representing excellent condition.
2 - Transitional FH is defined as units: 1) at non-enduring sites, as a result of organizational deactivations, consolidation and relocation efforts; 2) at enduring sites, where FH units have been identified by the Services as surplus/excess; and in both cases, the Service has formally planned, documented, funded and/or officially announced the divestiture, demolition or transfer of these units in the FYDP.
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 Q3/Q4 homes are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date.

Explanation of Marine Corps' Housing Investment Strategy

The Marine Corps exceeds the DoD goal for maintaining at least 90% of the world-wide, government-owned Family Housing inventory at good or fair (Q1/Q2) condition, beginning in FY 2012. The Marine Corps improvement strategy will result in 100% of the world-wide inventory being at good or fair (Q1/Q2) condition by the end of FY 2017.

In support of the Agreed Implementation Plan for the relocation of Carrier Air Wing-5 from Naval Air Facility Atsugi and VMGR-152 from MCAS Futenma to MCAS Iwakuni, the Government of Japan (GOJ) is constructing 1,054 units at MCAS Iwakuni, Japan.

DEPARTMENT OF NAVY, MARINE CORPS
FH-11 Inventory and Condition[1] of Government-Owned, Family Housing Units
UNITED STATES (CONUS plus Hawaii and Alaska)
(Number of Dwelling Units in Inventory)
Fiscal Year 2014

	Number of Units - U.S.						
	FY 2012	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**
Beginning of FY Adequate Inventory Total	80	80	80	80	80	80	80
Q1 - 90% to 100%	75	75	75	76	76	76	76
Q2 - 80% to 89%	5	5	5	4	4	4	4
Beginning of FY Inadequate Inventory Total	1	1	-	-	-	-	-
Q3 - 60% to 79%	-	-	-	-	-	-	-
Q4 - 59% and below	1	1	-	-	-	-	-
Beginning of FY Total Inventory	81	81	80	80	80	80	80
Percent Adequate - Beginning of FY Inventory	**99%**	**99%**	**100%**	**100%**	**100%**	**100%**	**100%**
Inadequate Inventory Reduced Through:	-	1	-	-	-	-	-
Construction (MilCon)	-						
Maintenance & Repair (O&M)	-						
Privatization	-	1					
Demolition/Divestiture/Diversion/Conversion							
Funded by Host Nation							
Additional Inadequates (Identified)[2]							
Adequate Inventory Changes:	-	-	-	-	-	-	-
Privatization							
Demolition/Divestiture/Diversion/Conversion							
New Construction							
Additional Inadequates (Identified)[2]							
End of FY Adequate Inventory Total	80	80	80	80	80	80	80
Q1 - 90% to 100%	75	75	76	76	76	76	76
Q2 - 80% to 89%	5	5	4	4	4	4	4
End of FY Inadequate Inventory Total	1	-	-	-	-	-	-
Q3 - 60% to 79%	-	-	-	-	-	-	-
Q4 - 59% and below	1	-	-	-	-	-	-
End of FY Total Inventory	81	80	80	80	80	80	80
Percent Adequate - End of FY Inventory	**99%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

NOTES:

1 - Condition Index (CI) is a general measure at a specific point in time with respect to physical condition and ability to support the current occupant or mission. CI is calculated as the ratio of Plant Replacement Value (PRV) minus the estimated cost of maintenance and repair requirements, divided by PRV. This provides a CI, or Q-rating (Q1 to Q4), from 0% to 100%, with 100% representing excellent condition.

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 Q3/Q4 homes 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 NAVY, MARINE CORPS
FH-11 Inventory and Condition[1] of Government-Owned, Family Housing Units
FOREIGN (includes U.S. Territories)
(Number of Dwelling Units in Inventory)
Fiscal Year 2014

	Number of Units - Foreign						
	FY 2012	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**
Beginning of FY Adequate Inventory Total	718	718	700	881	1,438	1,766	1,790
Q1 - 90% to 100%	610	656	632	837	1,434	1,742	1,746
Q2 - 80% to 89%	108	62	68	44	4	24	44
Beginning of FY Inadequate Inventory Total	18	18	36	54	54	24	-
Q3 - 60% to 79%	18	18	36	54	54	24	-
Q4 - 59% and below	-	-	-	-	-	-	-
Beginning of FY Total Inventory	736	736	736	935	1,492	1,790	1,790
Percent Adequate - Beginning of FY Inventory	**98%**	**98%**	**95%**	**94%**	**96%**	**99%**	**100%**
Inadequate Inventory Reduced Through:	-	(18)	(18)	-	30	24	-
Construction (MilCon)	76	44	50	44	30	48	44
Maintenance & Repair (O&M)							
Privatization							
Demolition/Divestiture/Diversion/Conversion							
Funded by Host Nation							
Additional Inadequates (Identified)[2]	(76)	(62)	(68)	(44)	-	(24)	(44)
Adequate Inventory Changes:	(76)	(62)	131	433	378	(24)	(44)
Privatization							
Demolition/Divestiture/Diversion/Conversion							
New Construction			199	477	378		
Additional Inadequates (Identified)[2]	(76)	(62)	(68)	(44)	-	(24)	(44)
End of FY Adequate Inventory Total	718	700	881	1,438	1,766	1,790	1,790
Q1 - 90% to 100%	656	632	837	1,434	1,742	1,746	1,702
Q2 - 80% to 89%	62	68	44	4	24	44	88
End of FY Inadequate Inventory Total	18	36	54	54	24	-	-
Q3 - 60% to 79%	18	36	54	54	24	-	-
Q4 - 59% and below	-	-	-	-	-	-	-
End of FY Total Inventory	736	736	935	1,492	1,790	1,790	1,790
Percent Adequate - End of FY Inventory	**98%**	**95%**	**94%**	**96%**	**99%**	**100%**	**100%**

NOTES:

1 - Condition Index (CI) is a general measure at a specific point in time with respect to physical condition and ability to support the current occupant or mission. CI is calculated as the ratio of Plant Replacement Value (PRV) minus the estimated cost of maintenance and repair requirements, divided by PRV. This provides a CI, or Q-rating (Q1 to Q4), from 0% to 100%, with 100% representing excellent condition.

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 Q3/Q4 homes are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date.

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

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2012*	**817**	**19**	
FY 2012 total traditional military construction (Milcon) projects to eliminate inadequate housing units	**736**	**76**	**76**
IW-H-0601-R2 & IW-H-1001-R2; MCAS Iwakuni, JA	736	76	76
FY 2012 total units privatized (no longer require FH O&M) to eliminate inadequate housing	**0**	**0**	**0**
FY 2012 total units demolished/divested or otherwise permanently removed from family housing inventory	**0**	**0**	**0**
2012 Condition Assessment Adjustment[1]		**76**	
Total Units at end of FY 2012	**817**	**19**	**76**

[1] 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 Q3/Q4 homes are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date. In 2012, 76 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 2013	**817**	**19**	
FY 2013 total traditional military construction (Milcon) projects to eliminate inadequate housing units	**736**	**44**	**44**
IW-H-0901-R2; MCAS Iwakuni, JA	736	44	44
FY 2013 total units privatized (no longer require FH O&M) to eliminate inadequate housing	**1**	**1**	**1**
FY10 LE-H-1001; MCRD Parris Island, SC	1	1	1
FY 2012 total units demolished/divested or otherwise permanently removed from family housing inventory	**0**	**0**	**0**
2013 Condition Assessment Adjustment[1]		**62**	
Total Units at end of FY 2013	**816**	**36**	**45**

[1] 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 Q3/Q4 homes are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date. In 2013, 62 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 2014	**816**	**36**	
FY 2014 total traditional military construction (Milcon) projects to eliminate inadequate housing units	**736**	**36**	**50**
IW-H-1402-R2 & IW-H-1403-R2; MCAS Iwakuni, JA	736	36	50
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/Losses*	**199**	**0**	**0**
2014 Condition Assessment Adjustment[1]		68	
Total Units at end of FY 2014	**1,015**	**54**	**50**

* Other Inventory Gains/Losses includes the addition of 199 new units being constructed by the Government of Japan in Iwakuni in support of Global Restationing.

[1] 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 Q3/Q4 homes 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, 68 additional inadequate units were forecasted based on 50-year life-cycle funding profile.

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Tab:
Legislative Language

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2014 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, [$102,182,000] $73,407,000 to remain available until September 30, [2017] 2018.

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, [$378,230,000] $389,844,000.

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Tab:
New Construction

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING

($000)

FY 2014 Budget Request	$0
FY 2013 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 0 replacement homes; and,

(2) Appropriation of $0 to fund this construction program.

Activity	Mission	No. of Homes	Amount
TOTAL		0	$0

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Tab:
Post-Acquisition Construction

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
POST ACQUISITION CONSTRUCTION

($000)

FY 2014 Budget Request	$ 68,969
FY 2013 Program Budget	$ 97,655

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 $68,969,000 ($44,716,000 for the Navy and $24,253,000 for the Marine Corps) to fund these revitalization projects.

1. Component DON	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
3. Installation and Location: NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES	4. Project Title FAMILY HOUSING POST ACQUISITION CONSTRUCTION	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0808742N	711	VARIOUS	AUTH: $68,969 APPR: $68,969

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost ($000)
AUTHORIZATION REQUEST	L/S	---	---	68,969
TOTAL REQUEST				**68,969**

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

IMPACT IF NOT PROVIDED: The Department of the Navy will have 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 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
3. Installation and Location: NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. Project Title FAMILY HOUSING POST-ACQUISITION CONSTRUCTION		5. Project Number VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE

OUTSIDE THE UNITED STATES

GUAM

NB Guam — 23,100

(HG-14-03)

This project will revitalize 59 three and four-bedroom officer and enlisted single family housing units. Improvements include upgrading and reconfiguring living and dining areas, kitchens, hallways, bedrooms, bathrooms, and utility rooms. Renovations also include expanding living space to incorporate a family room, and converting carports into garages. Upgrades will consist of replacing cabinetry, countertops, wall coverings, floor coverings, light fixtures, ceiling fans, appliances, fittings, and shutters. Air conditioning systems will be upgraded to include supplemental dehumidification and well as promoting energy-efficiency. Plumbing system will be upgraded with water-efficient consuming devices and fixtures. Electrical systems will be upgraded with energy-efficient lighting and fixtures. (See separate DD 1391).

JAPAN

CFA Sasebo — 21,616

(HS-14-01)

This project will revitalize 68 three-bedroom officer and enlisted apartment units. Improvements include renovating kitchens, living rooms, bathrooms, laundry rooms, and bedrooms to include flooring, wall coverings, cabinetry, fittings, lighting fixtures, ceiling fans, windows, appliances, and doors. Upgrades will be made to existing electrical, potable water, domestic hot water, and hot water systems. Air conditioning in each home will be provided by split AC/heater units. This improvement will also replace elevators and upgrade multi-purpose room and lobby. (See separate DD 1391).

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1. Component NAVY	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013

3. Installation and Location: NAVAL BASE GUAM, GUAM	4. Project Title WHOLE HOUSE REVITALIZATION PHASE II AT LOCKWOOD TERRACE

5. Program Element 0808742N	6. Category Code 711	7. Project Number HG-14-03	8. Project Cost ($000) $23,100

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WHOLEHOUSE IMPROVEMENT	EA	59	392	23100
Area Cost Factor: 2.21				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide whole house revitalization to 59 three and four-bedroom, single family officer and enlisted housing units. Improvements will include the upgrade and reconfiguration of the following: living and dining area, kitchen, hallways, bedrooms, bathrooms, and utility areas. This revitalization will also include expanding existing units to accommodate a family room, laundry area, garage, and concrete covered patio.

Renovation consists of the following:

Upgrade and re-design kitchen area by replacing existing laminated kitchen countertop with solid surface countertop and modern cabinetry with pantry, and providing ceramic wall tiles and backsplash; renovate bathrooms to include replacement of floor and wall finishes, bath tub with shower assembly, vanity, and bathroom accessories; replace worn-out architectural finishes, light fixtures, ceiling fans with concealed wiring, and other architectural appurtenances. Provide window shutters to withstand 170 miles per hour (mph) wind load capacity with an exposure factor D.

Replace insulation under existing concrete roof slabs, and interior-side of concrete walls covered with paperless drywall. Provide fluid-applied water proofing system on existing concrete roof. Provide termite treatment throughout exterior walls of the housing unit.

Upgrade and replace air conditioning with energy-efficient ducted split-type system including supplemental dehumidification, plumbing system with water-efficient consuming devices and fixtures, and electrical system with energy-efficient lighting and fixtures. Provide carbon monoxide detectors and generator hook-up connection.

1. Component NAVY	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013

3. Installation and Location: NAVAL BASE GUAM, GUAM	4. Project Title WHOLE HOUSE REVITALIZATION PHASE II AT LOCKWOOD TERRACE

5. Program Element 0808742N	6. Category Code 711	7. Project Number HG-14-03	8. Project Cost ($000) $23,100

Expand each housing unit to accommodate a family room, laundry area, exterior concrete covered patio with aluminum screen enclosure and roll-up shutters, windows, and access doors. The new family room, laundry area, patio, and garage will have reinforced concrete roof slab and walls with concrete masonry unit (CMU). Provide insulation under the new concrete roof slab and interior-side of concrete walls covered with paperless drywall. Provide entrance foyer, porch, and concrete enclosure for trash bins. Convert existing carports to garages to include motorized roll-up door with remote control. Provide fluid-applied water proofing system on the new concrete roof. Provide architectural appurtenances, air conditioning, energy-efficient light fixtures, and associated electrical system and components.

Convert two housing units (one three-bedroom and one four-bedroom) into accessible units and incorporate accessibility ramps to comply with Americans with Disabilities Act (ADA)/Architectural Barrier Act (ABA).

This project will be designed to include the following:
a) Replace worn-out architectural finishes such as:
- Exterior aluminum and wood storage doors, interior wood doors, frames and hardware, and storm screen doors
- Vertical blinds and windows; provide accordion-type window shutters
- Gypsum wall board partitions with paperless drywall
- Floor tiles and cove base of varying patterns throughout
- Kitchen wall-hung and base cabinets shelving with aluminum and with roll-out shelves at the bottom and middle shelves
- Kitchen countertop with solid surface countertop
- Pantry with roll-out shelves
- Bathroom base cabinet, countertop with solid surface, and accessories
- Bedroom closets with stainless steel coat hanger rod, shelving, and mirrored door
- Storage room shelving
- Bathrooms and portion of kitchen wall tiles; provide backsplash behind the range
- House number with photo sensor control device
- Paint entire exterior and interior walls and ceiling

b) Replace plumbing systems and fixtures with water and energy-efficient consuming devices such as:
- Water heater with solar preheat
- Faucets and fittings, garbage disposer, dishwasher connections, kitchen sink, and range hood. In the adaptable or accessible kitchen, include all the above kitchen requirement while complying with ADA requirement
- Lavatory including faucet and fittings, water closet, bathtub with shower/mixing

valve, toilet accessories, and exhaust fans
- Floor drain in bathrooms and trap
- Hose bib by rear patio and in front of the house
- Radon mitigation system

c) Replace electrical conduit, wiring, and fixtures with added features:
- Underground feed from service connection
- Receptacle for generator power and manual switch from island to generator power
- Main panel board and power distribution system
- Two or more power receptacles in each room, hallway, entrance foyer, and garage
- Separate switches for bathroom lights and exhaust fan
- Separate jacks for TV, telephone, and internet in living and dining area, and each bedroom
- Emergency battery back-up lighting in living and dining area, kitchen, hallway and bedrooms
- Light fixtures with energy-efficient fluorescent lights (to the extent possible)
- Door chimes and sensor-controlled light at front entry
- Weather resistant receptacles by rear patio and in front of the house

Kitchen and bathroom shall be provided with ground fault circuit interrupter (GFCI) receptacle and appropriate service panels, and outlets to meet current electrical codes for dwelling units.

d) Replace worn-out equipment and appliances with Energy Star qualified and labeled including:
- Kitchen range, range hood, dishwasher, and refrigerator
- Laundry washing machine and clothes dryer

Supporting cost includes underground utility connections, walkway adjacent to the front door, trash bin enclosure, driveway to match the layout of garage and road condition, and landscaping at each house and within the general community.

Whole house improvement will comply with Marianas Regional Architectural and Construction Standards (MRACS), United Facilities Criteria, and current building industry and safety codes, as applicable.

This project may provide for removal of asbestos, abatement of lead-based paint hazards and chlordane contaminated soil, and other environmental issues, if applicable.

Site improvement and recreational facilities are not included in this project.

1. Component NAVY	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
3. Installation and Location: NAVAL BASE GUAM, GUAM	4. Project Title WHOLE HOUSE REVITALIZATION PHASE II AT LOCKWOOD TERRACE	

5. Program Element 0808742N	6. Category Code 711	7. Project Number HG-14-03	8. Project Cost ($000) $23,100

11. REQUIREMENT:

PROJECT:

Whole house revitalization for 59 three and four-bedroom single family officer and enlisted housing units.

(Current Mission)

REQUIREMENT:

This project is required to support Navy service members and their families in Guam. This whole house improvement will bring the housing units up to acceptable DoD housing standards (codes, safety, maintainability, and livability). Extending the unit footprint will enhance the quality of housing units available for occupancy.

CURRENT SITUATION:

These 59 three and four-bedroom officer and enlisted units were built in 1960 and received a major improvement project in 1995. Additional maintenance projects have been completed within the last five years. These homes lack a family room and have limited interior space. Within the units, the laundry area is adjacent to one of the bedrooms, exposing bedroom occupants to high noise levels. None of the housing units were designed and constructed as adaptable or accessible.

These housing units are not fitted with features that will conserve energy. Existing interior concrete perimeter walls and ceiling of each housing unit are inadequately insulated. The existing lighting, plumbing fixtures and devices, including air conditioning system are not equipped with conservation features.

The current Navy military family population on U.S. Naval Base Guam is 2,414, with 818 personnel residing on-base. The number of military families residing on-base is decreasing due to a lack of homes with sufficient interior living spaces needed to accommodate larger families.

IMPACT IF NOT PROVIDED:

Without this project, these homes will continue to fall short of DOD construction standards, and the Navy will not be able to provide enough suitable, modern, and adequate housing to military personnel and their families. This will continue to impact the quality of life for these service members and their families while stationed at Guam.

12. SUPPLEMENTAL:

Contract Award:	6/2014
Construction Start:	10/2014
Construction Complete:	9/2015

Activity POC: Benilda C. Dela Pena Phone No: 671-339-2495

1. Component NAVY	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013

3. Installation and Location: COMMANDER FLEET ACTIVITIES SASEBO, JAPAN	4. Project Title W/H REVITALIZATION - BARA TOWER (#5035)

5. Program Element 0808742N	6. Category Code 711	7. Project Number HS-14-01	8. Project Cost ($000) $21,616

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WHOLEHOUSE IMPROVEMENT	EA	68	318	21616
Area Cost Factor: 1.44				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will revitalize 44 junior enlisted, 16 senior enlisted, and 8 officer three bedroom apartment units. Renovation consists of the following:

Replacement of interior finishes, to include flooring (carpeting), wall sidings, ceilings with substrate adjustment, waterproofing and insulation, window glasses with double pane, window screens, window blinds, closets, and curtain boxes.

Replacement of kitchen including vinyl sheet flooring, base and wall cabinets, countertops, sinks, dishwashers, cooking stoves with safety element devices, range hoods, refrigerators, garbage disposals, duct work, electrical, and mechanical piping.

Repair of bathrooms and laundry rooms to include energy saving water faucets and showers, tubs, lavatories, cabinet sinks, medicine cabinets, and associated fittings.

Repair ceiling and wall boards and replace vinyl floor tiles with carpets. Repair and/or install lighting fixtures and ceiling fans. Replace fire exit doors and floor tiles on the balconies of the dwelling units.

Replace and upgrade electrical systems, potable water system, domestic hot water system, hot water system, sanitary sewer lines, conduit of CATV and telephone systems and automatic fire sprinkler system.

Remove existing absorption chiller unit, cooling tower, and all associated piping and replace with split type AC/Heater units in each apartment.

Replace the existing two elevators in the building, and expand the security camera

coverage to include stairways and elevators. Upgrade the existing multi-purpose room with additional LAN lines and drops in order to utilize the space as the housing office, trash enclosure, lobby, hallways, and common area.

The Architectural Barriers Act of 1968 (ABA) Accessibility Standards for Federal Facilities will apply to this revitalization project per the DoD Policy Memorandum "Access for People with Disabilities" dated 31 Oct 2008. This project includes a minimum accessibility to the building and common area and at least one accessible unit.

This poject will also provide Anti-Terrorism Force Protection (AT/FP) and physical security measures based on UFC 4-010-01, "DoD Minimum Anti-Terrorism Standards for Buildings." A blast analysis will be required to assess standoff distances. Six millimeter laminated window glass and passive vehicle barriers will be included as AT/FP elements if required.

This project will provide testing for asbestos and lead material and abatement in existing building, if necessary.

11. REQUIREMENT:

PROJECT:

This project revitalizes 68 enlisted and officer units at Bara Tower in Sasebo, Japan. (Current Mission)

REQUIREMENT:

This project is required to correct deficiencies and modernize these apartments. These apartments were built in 1992, and have not been revitalized since their original construction. The improvement work will extend the useful life of these units for another 20 years.

CURRENT SITUATION:

These units are three bedroom units, designated for both officer and enlisted personnel. Components within the kitchens and bathrooms are deteriorating and have reached their life expectancy.

IMPACT IF NOT PROVIDED:

These homes will continue to fall short of the DoD construction standards. These units will continue to provide an unsightly appearance and require increased levels of maintenance, further impacting the quality of life of the Navy families residing in them.

1. Component NAVY	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013

3. Installation and Location: COMMANDER FLEET ACTIVITIES SASEBO, JAPAN	4. Project Title W/H REVITALIZATION - BARA TOWER (#5035)

5. Program Element 0808742N	6. Category Code 711	7. Project Number HS-14-01	8. Project Cost ($000) $21,616

12. SUPPLEMENTAL:

Contract Award:	6/2014
Construction Start:	10/2014
Construction Complete:	9/2015

Activity POC: Dean Sakamoto Phone No: 252-2633

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1. Component	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. Date
MARINE CORPS		31 MAR 2013

3. Installation and Location:
NAVAL INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. Project Title	5. Project Number
FAMILY HOUSING POST-ACQUISITION CONSTRUCTION	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE

INSIDE THE UNITED STATES

LOUISIANA

MARFORRES New Orleans 97
(NO-H-1407-R2)

This project will primarily install security lighting, closed circuit television (CCTV), exterior security flood lighting and motion activated compound security lighting; repair or replace damaged or deficient fencing, damaged concrete walkways and any damaged landscaping; and complete the fencing system, including adding gates, around Quarters "A" at Federal City. (See Separate DD Form 1391).

OUTSIDE THE UNITED STATES

JAPAN

MCAS Iwakuni 2,686
(IW-H-1402-R2)

This project revitalizes six senior officer family housing units, located at MCAS Iwakuni, Japan, to correct architectural, mechanical, electrical, and communications deficiencies. Sustainment work includes: Exterior painting; repairing and painting/tiling all interior walls and ceilings; repairing cracked/broken concrete sub-base. Replacing: deteriorated roofing and flashing; the fiberglass service-porch roof, drains and gutters; disfigured window and door screens; all doors and hardware; closet shelving; kitchen and bathroom cabinets, fixtures and hardware; all vinyl composition tile and sheet vinyl flooring materials; all sewage/domestic drain piping, cold and hot water piping, heating and cooling piping, sewage/domestic vent piping and associated hardware such as gauges, valves and monitoring equipment; all exterior lighting and switches; all interior lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; fire alarm system; and 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. No improvements or major repairs were accomplished on these units in the past three years, nor are any planned for the following three years. (See Separate DD Form 1391).

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
3. Installation and Location: NAVAL INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. Project Title FAMILY HOUSING POST-ACQUISITION CONSTRUCTION		5. Project Number VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
OUTSIDE THE UNITED STATES	
JAPAN	
MCAS Iwakuni (IW-H-1403-R2)	18,251

This project revitalizes 44 officer and senior enlisted family housing units located in Midrise 655 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. Removing floor mounted fan coil units and associated piping and installing recessed ceiling mounted fan coil units. Replacing: the cement roof cover and underlying membrane; rooftop perimeter fence; all balcony rails and window screens; all main entry doors and associated hardware; kitchen and bathroom cabinets, fixtures and hardware; all concrete-finished quarry tile, vinyl composition tile, sheet vinyl and carpet flooring materials; rooftop chiller, plumbing vents, exhaust fans, drain scuppers and associated piping; rooftop exhaust fan controls; 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; elevator motors and cabling; all lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; fire alarm system; and TV, telephone and internet access receptacles and wiring.

Modernization work includes: Installation of elevator safety devices per ASME A17.1-84; upgrading windows and other facility modifications to meet current Antiterrorism/Force Protection Standards; and installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring. No improvements or major repairs were accomplished on these units in the past three years, nor are any planned for the following three years. (See Separate DD Form 1391).

MCAS Iwakuni (IW-H-1405-R2)	3,219

This project installs electric meters in 736 individual family housing units in various housing areas at Marine Corps Air Station (MCAS) Iwakuni, Japan. Work includes installing electric meters, electric meter enclosures, split core current transformers, and network switches. (See Separate DD Form 1391).

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013

3. Installation and Location: MARINE CORPS RESERVE FORCES NEW ORLEANS, LOUISIANA	4. Project Title SITE IMPROVEMENTS, GENERAL OFFICERS QUARTERS A, NEW ORLEANS		
5. Program Element 0808742	6. Category Code 872	7. Project Number NO-H-1407-R2	8. Project Cost ($000) $97

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost ($000)
Site Improvements	LS	1	97	97
Area Cost Factor 0.92				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will primarily install security lighting, closed circuit television (CCTV), exterior security flood lighting and motion activated compound security lighting; repair or replace damaged or deficient fencing, damaged concrete walkways and any damaged landscaping; and complete the fencing system, including adding gates, around Quarters "A" at Federal City.

11. REQUIREMENT

PROJECT:
This project will provide site security enhancements and site repairs around the 150-year old historic General Officers Quarters and facilities at MARFORRES Federal City, New Orleans, LA.

REQUIREMENT:
Improve security for the historic General Officer Quarters located at MARFORRES Federal City, New Orleans, LA, in accordance with the recommendations of the Mission Assurance Assessment Team, Security Division, Headquarters Marine Corps to mitigate existing security risks in the immediate area.

CURRENT SITUATION:
Quarters "A" is a 150 year old, single-family historic residence located at Federal City, New Orleans, Louisiana. The facility's historic design and the presence of original building materials have resulted in its inclusion on the National Register of Historic Places. The DoD Physical Security Regulations mandate the protection of all DoD assets, including preparation of a layered defense for residential security. The facility used to be located aboard the Naval Support Activity (NSA) but as of 15 Sep 2011 the NSA has closed and Quarters A and the rest of the former NSA are now accessible to the general public. Due to installation security being greatly reduced, additional security features are now required at the historic Quarters "A" residency. Current security measures are inadequate and the Quarter's "A" facility is currently surrounded by a high crime/high security risk area. The existing 3 feet by 160 feet long front concrete walkway is deteriorated and presents numerous trip hazards.

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**		2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS RESERVE FORCES NEW ORLEANS, LOUISIANA		4. Project Title SITE IMPROVEMENTS, GENERAL OFFICERS QUARTERS A, NEW ORLEANS	
5. Program Element 0808742	6. Category Code 872	7. Project Number NO-H-1407-R2	8. Project Cost($000) $97

IMPACT IF NOT PROVIDED: The lack of a complete and proper security system would place the Commanding General quarters and all occupants in great risk.

ADDITIONAL: 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. Anti-terrorism/force protection provisions include installing security lighting, closed circuit television (CCTV), exterior security flood lighting and motion activated compound security lighting; repairing or replacing damaged or deficient fencing; and completing the fencing system, including adding gates.

12. SUPPLEMENTAL

Contract Award:	10/2013
Construction Start:	12/2013
Construction Complete:	4/2014

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**			2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION SOQs		
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1402-R2	8. Project Cost ($000) $2,686	

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
IMPROVEMENTS	EA	6	447667	2686
Yen Exchange Rate ¥81.7098/$1 Area Cost Factor 1.38				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project revitalizes six senior officer family housing units, located at MCAS Iwakuni, Japan, to correct architectural, mechanical, electrical, and communications deficiencies. Sustainment work includes: Exterior painting; repairing and painting/tiling all interior walls and ceilings; repairing cracked/broken concrete sub-base. Replacing: deteriorated roofing and flashing; the fiberglass service-porch roof, drains and gutters; disfigured window and door screens; all doors and hardware; closet shelving; kitchen and bathroom cabinets, fixtures and hardware; all vinyl composition tile and sheet vinyl flooring materials; all sewage/domestic drain piping, cold and hot water piping, heating and cooling piping, sewage/domestic vent piping and associated hardware such as gauges, valves and monitoring equipment; all exterior lighting and switches; all interior lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; fire alarm system; and 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

PROJECT:
This project will repair six Senior Officer Family Housing units, located in the SOQ Housing Area, Marine Corps Air Station Iwakuni, Japan.

REQUIREMENT:
The SOQ family housing area contains six four-bedroom single family dwelling units. Repair of the existing facilities is required to correct life safety and building code deficiencies, to replace deteriorated and old/outdated equipment and fixtures, to enhance the quality of the facilities for the current generation of tenants, and to extend the useful life of this facility another 20+ years.

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**		2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION SOQs	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1402-R2	8. Project Cost ($000) $2,686

CURRENT SITUATION:
Constructed in 1992, the SOQ 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 facility will be 22 years into its 60-year life expectancy. No major improvements or repairs have been completed since their original construction. 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 repair and are in need of replacement.

The Architectural requirements of this project are as follows:

- The roof of the facility must be replaced, since it is deteriorated beyond economical repair. The life expectancy of similar roofing systems is estimated at 10 years.
- The exterior must be repainted at the time of this project, as it will be approximately 10 years since it was 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 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 flooring materials in all areas of the building must be removed and replaced after 22 years of severe wear. Much of the existing flooring is cracked or broken, deteriorated and worn out, stained and spotted. The cracked concrete sub-surface must also be repaired.
- All the doors and associated hardware in the facility, including closet doors and shelving, show considerable damage and must be repaired and repainted.
- The substandard and outdated kitchen and bathroom cabinets must be replaced due to 22 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.
- The exhaust and ventilation systems located in both the kitchen and bathroom areas must be replaced, as they no longer effectively recycle air at the required volume.

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**		2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION SOQs	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1402-R2	8. Project Cost($000) $2,686

CURRENT SITUATION (Continued):

- The existing toilet fixtures, bathtubs, showers, lavatories and kitchen sinks have not been replaced since the facility was constructed in 1992, 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 building is 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 lighting fixtures and switches must be replaced with new energy efficient lighting that will not only save on energy consumption, but provide better illumination of the interior spaces and enhance the overall aesthetics of the interior design.
- The existing electrical outlets and wiring must be replaced to meet today's equipment needs.
- The existing circuit breakers are undersized for building service needs.
- 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.
- 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 housing units.
- 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.

IMPACT IF NOT PROVIDED: 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"

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

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**		2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION SOQs	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1402-R2	8. Project Cost ($000) $2,686

ADDITIONAL (Continued): 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 life cycle cost to improve these units is 84% of the life cycle cost for replacement. The initial cost to improve these units, at 62% of the replacement cost, does not exceed the 70 percent of replacement threshold. In addition, these facilities were built by the Government of Japan and have a life expectancy of 60 years and when this project is awarded these facilities will be 22 years old. 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.

12. SUPPLEMENTAL

Contract Award:	6/2014
Construction Start:	10/2014
Construction Complete:	9/2015

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**			2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MIDRISE 655		
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1403-R2	8. Project Cost ($000) $18,251	

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
Family Housing Improvement	EA	44	415	18251
Yen Exchange Rate ¥81.7098/$1 Area Cost Factor 1.38				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project revitalizes 44 officer and senior enlisted family housing units located in Midrise 655 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. Removing floor mounted fan coil units and associated piping and installing recessed ceiling mounted fan coil units. Replacing: the cement roof cover and underlying membrane; rooftop perimeter fence; all balcony rails and window screens; all main entry doors and associated hardware; kitchen and bathroom cabinets, fixtures and hardware; all concrete-finished quarry tile, vinyl composition tile, sheet vinyl and carpet flooring materials; rooftop chiller, plumbing vents, exhaust fans, drain scuppers and associated piping; rooftop exhaust fan controls; 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; elevator motors and cabling; all lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; fire alarm system; and TV, telephone and internet access receptacles and wiring.

Modernization work includes: Installation of elevator safety devices per ASME A17.1-84; upgrading windows and other facility modifications to meet current Antiterrorism/Force Protection Standards; and installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring.

11. REQUIREMENT

PROJECT:
This project will repair Family Housing Midrise No. 655, located in the SOQ Area, Marine Corps Air Station Iwakuni, Japan.

REQUIREMENT:
Family Housing Midrise No. 655 is one of ten midrises on the Air Station. Family Housing Midrise No. 655 contains 44 individual three-bedroom units, a community room, public toilet, a small storage area, mechanical rooms and miscellaneous ancillary spaces. Repair of the existing facility is required to correct life safety and building code deficiencies and replace

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**		2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MIDRISE 655	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1403-R2	8. Project Cost ($000) $18,251

REQUIREMENT (continued):
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.

CURRENT SITUATION:
Constructed in 1994, Family Housing Midrise No. 655 is showing its age and requires extensive repairs to continue providing comfortable living quarters to its overseas tenants. When this project is awarded, the facility will be 20 years into its 60-year life expectancy.

The Architectural requirements of this project are as follows:

- The roof of the facility must be replaced, since it is severely cracked and has deteriorated beyond economical repair. The life expectancy of similar roofing systems is estimated at 20 to 25 years.
- The exterior must be repainted at the time of this project, as it will be approximately 10 years since it was 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 main entry doors and their associated hardware must be replaced, as the existing hardware does not provide a reliable locking mechanism for building security. The door hardware is also rusting and the doors are disfigured.
- The balcony rails must be replaced since they do not meet the safety requirements set forth in the IBC. For example, bar spacing is over four inches, where a small child could crawl through.
- 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 building must be removed and replaced after 20 years of severe wear. Much of the existing flooring is cracked or broken, deteriorated and worn out, stained and spotted. The cracked concrete sub-surface must also be repaired.
- All the interior doors and associated hardware in the facility, including closet doors and shelving show considerable damage over 20 years of frequent turnover and must be repaired and repainted.
- The substandard and outdated kitchen and bathroom cabinets must be replaced due to 20 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.

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**		2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JA IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MIDRISE 655	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1403-R2	8. Project Cost ($000) $18,251

CURRENT SITUATION (Continued):

- The windows must be replaced to meet revised Antiterrorism/Force Protection requirements to minimize hazards from flying debris in high-occupancy family housing.

The Mechanical requirements of this facility are as follows:

- The roof top chiller unit, ventilation fans and controls no longer operate efficiently, are badly deteriorated and must be replaced.
- The roof top scuppers and drains must be replaced, as they are severely corroded and no longer function properly.
- The exhaust and ventilation systems located in both the kitchen and bathroom areas must be replaced, as they are no longer effectively recycle air at the required volume. Also the system does not contain any backflow prevention, so odors from other units often circulate through the units via vent pipes that exhaust fans are connected to.
- The existing toilet fixtures, bathtubs, showers, lavatories and kitchen sinks have not been replaced since the facility was constructed in 1994, 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 building is extremely corroded and deteriorating rapidly. The expected durable life of such piping is normally between 14 and 18 years.
- The existing floor mounted fan coil units and all associated piping must be removed and replaced with recessed ceiling mounted fan coil units. The existing fan coil units are old and no longer working efficiently. They are in constant need of repair and occupy valuable living area space.
- Elevator safety devices do not meet American Society of Mechanical Engineers (ASME) A17.1-84 safety code for elevators. The elevator's electric motors and steel cabling will be replaced since the normal life cycle of each is approximately 20 years.

The Electrical requirements of this facility are as follows:

- The roof top exhaust fan controls must be replaced since they are severely deteriorated.
- 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.

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**		2. Date 31 MAR 2013
3. Installation and Location MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title WHOLEHOUSE REVITALIZATION MIDRISE 655	
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1403-R2	8. Project Cost ($000) $18,251

CURRENT SITUATION (Continued):

- 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 aged fire alarm system must be replaced to meet current standards.
- 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.

IMPACT IF NOT PROVIDED: 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"

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 life cycle cost to improve these units is 82% of the life cycle cost for replacement. The initial cost to improve these units, at 53% of the replacement cost, does not exceed the 70 percent of replacement threshold. In addition, these facilities were built by the Government of Japan and have a life expectancy of 60 years and when this project is awarded these facilities will be 20 years old. 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. Anti-terrorism/force protection provisions include upgrading windows and providing other facility modifications to meet current Antiterrorism/Force Protection Standards.

12. SUPPLEMENTAL

Contract Award:	6/2014
Construction Start:	10/2014
Construction Complete:	9/2015

1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**			2. Date 31 MAR 2013
3. Installation and Location: MARINE CORPS AIR STATION IWAKUNI, JAPAN		4. Project Title INSTALL ELECTRIC METERS VARIOUS HOUSING AREAS		
5. Program Element 0808742	6. Category Code 711	7. Project Number IW-H-1405-R2	8. Project Cost ($000) $3,219	

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost ($000)
ELECTRIC METERS	EA	736	4374	3219
Yen Exchange Rate ¥81.0798/$1 Area Cost Factor 1.38				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project installs electric meters in 736 individual family housing units in various housing areas at Marine Corps Air Station (MCAS) Iwakuni, Japan. Work includes installing electric meters, electric meter enclosures, split core current transformers, and network switches.

11. REQUIREMENT

PROJECT:
This project will install electric meters and associated equipment in 736 individual family housing units in various family housing areas at MCAS Iwakuni, Japan.

REQUIREMENT:
Electric meters in individual units are necessary to increase individual accountability for electricity usage, promote energy awareness, and to accurately bill for electricity usage in units occupied on a rental basis.

CURRENT SITUATION:
Existing 736 housing units are not metered. All new units being constructed by the Government of Japan in support of the Agreed Implementation Plan for the relocation of Carrier Air Wing-5 from Naval Air Facility Atsugi and VMGR-152 from MCAS Futenma to MCAS Iwakuni, Japan, will be metered.

ADDITIONAL:
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.

12. SUPPLEMENTAL

Contract Award:	6/2014
Construction Start:	10/2014
Construction Complete:	9/2015

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Tab:
Advance Planning & Design

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
ADVANCE PLANNING AND DESIGN

($000)

FY 2014 Budget Request	$4,438
FY 2013 Program Budget	$4,527

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 $4,438,000 ($3,975,000 for the Navy and $463,000 for the Marine Corps) to fund New Construction and Improvements design requirements.

1. Component DON	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
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	6. Category Code	7. Project Number	8. Project Cost ($000)
0808742N	711	VARIOUS	AUTH: $4,438 APPN: $4,438

9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost ($000)
ADVANCE PLANNING AND DESIGN		---	---	
NEW CONSTRUCTION	L/S	---	---	(0)
IMPROVEMENTS	L/S	---	---	(4,438)
TOTAL REQUEST				**$4,438**

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

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

IMPACT IF NOT PROVIDED: Project execution schedules for Fiscal Years 2015 and 2016 will not be met.

Tab:
O&M Summary

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2014 BUDGET ESTIMATE
OPERATIONS AND MAINTENANCE NARRATIVE SUMMARY

($000)

FY 2014 Budget Request	$287,248
FY 2013 Program Budget	$266,658

Purpose and Scope

A. Operations - This portion of the 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 Electronic Military Housing (eMH), 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.

B. Utilities - Includes all utility services provided to family housing, such as electricity, gas, fuel oil, water & sewage. This sub-account excludes telephone services.

C. Maintenance - This portion of the program supports the upkeep of family housing real property, as follows:

Maintenance/Repair of Dwelling - Includes service calls, change of occupancy rehabilitation, routine maintenance, preventative maintenance, and interior and exterior painting.

Exterior Utilities - Includes maintenance, repair and replacement of electrical, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity

utility rates attributable to distribution system maintenance when separately identified.

Other Real Property - Includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas and family housing community facilities.

Alterations and Additions - Includes major repairs and minor incidental improvements to dwellings or other real property performed under the authority of 10 USC 2805. Larger scope or higher dollar value items are funded in the construction program.

D. Reimbursable Collections - This program includes collections received from the rental of DON family housing to foreign national, civilian and Coast Guard personnel; collections for rental of mobile home spaces; collections for burden sharing by the Government of Japan, and collections for occupant-caused damages.

Program Summary

Authorization is requested for an appropriation of $287,248,000. This amount, together with estimated reimbursements of $16,515,000 will fund the Fiscal Year 2014 program of $303,763,000.

A summary of the funding program for Fiscal Year 2014 follows (in thousands):

	Appropriation Request					
	Operations	Utilities	Maintenance	Total	Reimburse-ments	Total Program
Navy	93,373	90,193	82,439	266,005	16,000	282,005
Marine Corps	9,440	4,120	7,683	21,243	515	21,758
Total DON	102,813	94,313	90,122	287,248	16,515	303,763

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 2014 estimated program was formulated utilizing the Office of Management and Budget's published inflationary factors and foreign currency exchange rates.

DEPARTMENT OF THE NAVY
FAMILY HOUSING, DEPARTMENT OF THE NAVY
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	10,838		10,718		9,774	
Units at End of Year	10,719		9,774		9,973	
Average Inventory for Year	10,776		10,718		9,973	
a. Average Historic Inventory for Year	8		7		7	
Requiring O&M Funding						
a. Conterminous U.S.	1,229		1,228		358	
b. U.S. Overseas	2,676		2,670		2,596	
c. Foreign	6,871		6,820		7,019	
d. Worldwide	10,776		10,718		9,973	
	Total ($000)	Unit Cost	Total ($000)	Unit Cost	Total ($000)	Unit Cost
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	52,885	4,908	62,741	5,854	60,782	6,095
(2) Services	13,525	1,255	19,615	1,830	20,596	2,065
(3) Furnishings	15,239	1,414	17,697	1,651	21,073	2,113
(4) Miscellaneous	181	17	491	46	362	36
Subtotal Direct Obligations	81,830	7,594	100,544	9,381	102,813	10,309
Anticipated Reimbursements	5,015	465	5,344	499	5,515	553
Estimated Gross Obligations	86,845	8,059	105,888	9,879	108,328	10,862
2. UTILITIES	70,226	6,517	80,860	7,544	94,313	9,457
Anticipated Reimbursements	2,078	193	2,079	194	4,579	459
Estimated Gross Obligations	72,304	6,710	82,939	7,738	98,892	9,916
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	74,269	6,892	64,718	6,038	60,895	6,106
b. Exterior Utilities	1,295	120	957	89	3,163	317
c. Maintenance & Repair of Other Real Property	700	65	690	64	1,179	118
d. Alterations and Additions	26,946	2,501	18,889	1,762	24,885	2,495
e. Foreign Currency Fluctuation (PY Funds)	**17,678**	**N/A**				
Subtotal Direct Obligations	120,888	9,578	85,254	7,954	90,122	9,037
Anticipated Reimbursements	5,414	502	5,421	506	6,421	644
Estimated Gross Obligations	126,302	11,721	90,675	8,460	96,543	9,680
4. GRAND TOTAL, O&M - Direct Obligations	272,944	25,329	266,658	24,879	287,248	28,803
5. GRAND TOTAL -						
Anticipated Reimbursements	12,507	1,161	12,844	1,198	16,515	1,656
6. GRAND TOTAL, O&M - Gross Obligations	285,451	26,489	279,502	26,078	303,763	30,459

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DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	10,021		9,902		8,958	
Units at End of Year	9,902		8,958		8,958	
Average Inventory for Year	9,959		9,902		8,958	
a. Average Historic Inventory for Year	1		1		1	
Requiring O&M Funding						
a. Conterminous U.S.	1,148		1,148		278	
b. U.S. Overseas	2,676		2,670		2,596	
c. Foreign	6,135		6,084		6,084	
d. Worldwide	9,959		9,902		8,958	
	Total ($000)	Unit Cost ($)	Total ($000)	Unit Cost ($)	Total ($000)	Unit Cost ($)
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	47,438	4,763	56,025	5,658	54,716	6,108
(2) Services	12,508	1,256	18,551	1,873	19,151	2,138
(3) Furnishings	14,307	1,437	16,065	1,622	19,144	2,137
(4) Miscellaneous	181	18	491	50	362	40
Subtotal Direct Obligations	74,434	7,474	91,132	9,203	93,373	10,423
Anticipated Reimbursements	5,000	502	5,329	538	5,500	614
Estimated Gross Obligations	79,434	7,976	96,461	9,742	98,873	11,037
2. UTILITIES	66,756	6,703	78,162	7,894	90,193	10,068
Anticipated Reimbursements	2,000	201	2,000	202	4,500	502
Estimated Gross Obligations	68,756	6,904	80,162	8,096	94,693	10,571
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	69,848	7,014	60,552	6,115	56,083	6,261
b. Exterior Utilities	1,248	125	912	92	928	104
c. Maintenance & Repair of Other Real Property	586	59	581	59	591	66
d. Alterations and Additions	26,899	2,701	18,842	1,903	24,837	2,773
Subtotal Direct Obligations	98,581	9,899	80,887	8,169	82,439	9,203
Anticipated Reimbursements	5,000	502	5,000	505	6,000	670
Estimated Gross Obligations	103,581	10,401	85,887	8,674	88,439	9,873
4. GRAND TOTAL, O&M - Direct Obligations	239,771	24,076	250,181	25,266	266,005	29,695
5. GRAND TOTAL -						
Anticipated Reimbursements	12,000	1,205	12,329	1,245	16,000	1,786
6. GRAND TOTAL, O&M - Gross Obligations	251,771	25,281	262,510	26,511	282,005	31,481

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - CONUS

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	1,148		1,148		278	
Units at End of Year	1,148		278		278	
Average Inventory for Year	1,148		1,148		278	
a. Average Historic Inventory for Year	1		1		1	
Requiring O&M Funding						
a. Conterminous U.S.	1,148		1,148		278	
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	31,917	27,802	37,400	32,578	35,746	128,583
(2) Services	500	436	672	585	245	881
(3) Furnishings	218	190	60	52	412	1,482
(4) Miscellaneous	181	158	491	428	362	1,302
Subtotal Direct Obligations	32,816	28,585	38,623	33,644	36,765	132,248
Anticipated Reimbursements	1,000	871	1,329	1,158	1,000	3,597
Estimated Gross Obligations	33,816	29,456	39,952	34,801	37,765	135,845
2. UTILITIES	3,237	2,820	3,275	2,853	1,805	6,493
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	3,237	2,820	3,275	2,853	1,805	6,493
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	8,366	7,287	7,531	6,560	2,608	9,381
b. Exterior Utilities	275	240	292	254	297	1,068
c. Maintenance & Repair of Other Real Property	45	39	48	42	49	176
d. Alterations and Additions	7,315	6,372	0	0	1,440	5,180
Subtotal Direct Obligations	16,001	13,938	7,871	6,856	4,394	15,806
Anticipated Reimbursements	1,000	871	1,000	871	1,000	3,597
Estimated Gross Obligations	17,001	14,809	8,871	7,727	5,394	19,403
4. GRAND TOTAL, O&M - Direct Obligations	52,054	45,343	49,769	43,353	42,964	154,547
5. GRAND TOTAL -						
Anticipated Reimbursements	2,000	1,742	2,329	2,029	2,000	7,194
6. GRAND TOTAL, O&M - Gross Obligations	54,054	47,085	52,098	45,382	44,964	161,741

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - US OVERSEAS

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	2,706		2,670		2,596	
Units at End of Year	2,670		2,596		2,596	
Average Inventory for Year	2,676		2,670		2,596	
a. Average Historic Inventory for Year	0		0		0	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	2,676		2,670		2,596	
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	4,133	1,544	5,271	1,974	4,527	1,744
(2) Services	3,578	1,337	5,693	2,132	5,802	2,235
(3) Furnishings	2,937	1,098	3,632	1,360	4,150	1,599
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	10,648	3,979	14,596	5,467	14,479	5,577
Anticipated Reimbursements	1,500	561	1,500	562	1,750	674
Estimated Gross Obligations	12,148	4,540	16,096	6,028	16,229	6,252
2. UTILITIES	26,160	9,776	31,181	11,678	37,580	14,476
Anticipated Reimbursements	1,000	374	1,000	375	2,250	867
Estimated Gross Obligations	27,160	10,149	32,181	12,053	39,830	15,343
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	20,791	7,769	18,419	6,899	18,207	7,013
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	7,057	2,637	9,268	3,471	11,823	4,554
Subtotal Direct Obligations	27,848	10,407	27,687	10,370	30,030	11,568
Anticipated Reimbursements	1,500	561	1,500	562	2,000	770
Estimated Gross Obligations	29,348	10,967	29,187	10,931	32,030	12,338
4. GRAND TOTAL, O&M - Direct Obligations	64,656	24,161	73,464	27,515	82,089	31,621
5. GRAND TOTAL -						
Anticipated Reimbursements	4,000	1,495	4,000	1,498	6,000	2,311
6. GRAND TOTAL, O&M - Gross Obligations	68,656	25,656	77,464	29,013	88,089	33,933

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - FOREIGN

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	6,167		6,084		6,084	
Units at End of Year	6,084		6,084		6,084	
Average Inventory for Year	6,135		6,084		6,084	
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	6,135		6,084		6,084	
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	11,388	1,856	13,354	2,195	14,443	2,374
(2) Services	8,430	1,374	12,186	2,003	13,104	2,154
(3) Furnishings	11,152	1,818	12,373	2,034	14,582	2,397
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	30,970	5,048	37,913	6,232	42,129	6,925
Anticipated Reimbursements	2,500	407	2,500	411	2,750	452
Estimated Gross Obligations	33,470	5,456	40,413	6,643	44,879	7,377
2. UTILITIES	37,359	6,089	43,706	7,184	50,808	8,351
Anticipated Reimbursements	1,000	163	1,000	164	2,250	370
Estimated Gross Obligations	38,359	6,252	44,706	7,348	53,058	8,721
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	40,691	6,633	34,602	5,687	35,268	5,797
b. Exterior Utilities	973	159	620	102	631	104
c. Maintenance & Repair of Other Real Property	541	88	533	88	542	89
d. Alterations and Additions	12,527	2,042	9,574	1,574	11,574	1,902
Subtotal Direct Obligations	54,732	8,921	45,329	7,451	48,015	7,892
Anticipated Reimbursements	2,500	407	2,500	411	3,000	493
Estimated Gross Obligations	57,232	9,329	47,829	7,861	51,015	8,385
4. GRAND TOTAL, O&M - Direct Obligations	123,061	20,059	126,948	20,866	140,952	23,168
5. GRAND TOTAL -						
Anticipated Reimbursements	6,000	978	6,000	986	8,000	1,315
6. GRAND TOTAL, O&M - Gross Obligations	129,061	21,037	132,948	21,852	148,952	24,483

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	817		816		816	
Units at End of Year	817		816		1,015	
Average Inventory for Year	817		816		1,015	
a. Average Historic Inventory for Year	7		6		6	
Requiring O&M Funding						
a. Conterminous U.S.	81		80		80	
b. U.S. Overseas	0		0		0	
c. Foreign	736		736		935	
d. Worldwide	817		816		1,015	
	Total ($000)	Unit Cost	Total ($000)	Unit Cost	Total ($000)	Unit Cost
B. FUNDING REQUIREMENT						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	5,447	6,675	6,716	6,617	6,066	5,976
(2) Services	1,017	1,246	1,064	1,048	1,445	1,424
(3) Furnishings	932	1,142	1,632	1,608	1,929	1,900
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	7,396	9,064	9,412	9,273	9,440	9,300
Anticipated Reimbursements	15	18	15	15	15	15
Estimated Gross Obligations	7,411	9,082	9,427	9,288	9,455	9,315
2. UTILITIES	3,470	4,252	2,698	2,658	4,120	4,059
Anticipated Reimbursements	78	96	79	78	79	78
Estimated Gross Obligations	3,548	4,348	2,777	2,736	4,199	4,137
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	4,421	5,418	4,166	4,104	4,812	4,741
b. Exterior Utilities	47	58	45	44	2,235	2,202
c. Maintenance & Repair of Other Real Property	114	140	109	107	588	579
d. Alterations and Additions	47	58	47	46	48	47
Subtotal Direct Obligations	4,629	5,673	4,367	4,302	7,683	7,569
Anticipated Reimbursements	414	507	421	415	421	415
Estimated Gross Obligations	5,043	6,180	4,788	4,717	8,104	7,984
4. GRAND TOTAL, O&M - Direct Obligation	15,495	18,989	16,477	16,233	21,243	20,929
5. GRAND TOTAL -						
Anticipated Reimbursements	507	621	515	507	515	507
6. GRAND TOTAL, O&M - Gross Obligations	16,002	19,610	16,992	16,741	21,758	21,436

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - CONUS

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	81		80		80	
Units at End of Year	81		80		80	
Average Inventory for Year	81		80		80	
a. Average Historic Inventory for Year	7		6		6	
Requiring O&M Funding						
a. Conterminous U.S.	81		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	4,457	55,713	5,413	67,663	5,020	62,750
(2) Services	151	1,888	177	2,213	180	2,250
(3) Furnishings	113	1,413	69	863	68	850
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	4,721	59,013	5,659	70,738	5,268	65,850
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	4,721	59,013	5,659	70,738	5,268	65,850
2. UTILITIES	358	4,475	791	9,888	805	10,063
Anticipated Reimbursements	1	13	1	13	1	13
Estimated Gross Obligations	359	4,488	792	9,900	806	10,075
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	1,267	15,838	838	10,475	861	10,763
b. Exterior Utilities	18	225	13	163	13	163
c. Maintenance & Repair of Other Real Property	24	300	15	188	15	188
d. Alterations and Additions	18	225	14	175	14	175
Subtotal Direct Obligations	1,327	16,588	880	11,000	903	11,288
Anticipated Reimbursements	31	388	32	400	32	400
Estimated Gross Obligations	1,358	16,975	912	11,400	935	11,688
4. GRAND TOTAL, O&M - Direct Obligation	6,406	80,075	7,330	91,625	6,976	87,200
5. GRAND TOTAL -						
Anticipated Reimbursements	32	400	33	413	33	413
6. GRAND TOTAL, O&M - Gross Obligations	6,438	80,475	7,363	92,038	7,009	87,613

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - US OVERSEAS

	FY 2012		FY 2013		FY 2014	
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	535	0	413	0	416	0
(2) Services	0	0	0	0	0	0
(3) Furnishings	382	0	374	0	382	0
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	917	0	787	0	798	0
Anticipated Reimbursements	5	0	5	0	5	0
Estimated Gross Obligations	922	0	792	0	803	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 Obligation	922	0	787	0	798	0
5. GRAND TOTAL -						
Anticipated Reimbursements	5	0	5	0	5	0
6. GRAND TOTAL, O&M - Gross Obligations	927	0	792	0	803	0

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 2014 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - FOREIGN

	FY 2012		FY 2013		FY 2014	
A. INVENTORY DATA						
Units in Beginning of Year	736		736		736	
Units at End of Year	736		736		935	
Average Inventory for Year	736		736		935	
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	736		736		935	
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	455	618	890	952	630	674
(2) Services	866	1,177	887	949	1,265	1,353
(3) Furnishings	437	594	1,189	1,272	1,479	1,582
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	1,758	2,389	2,966	3,172	3,374	3,609
Anticipated Reimbursements	10	14	10	11	10	11
Estimated Gross Obligations	1,768	2,402	2,976	3,183	3,384	3,619
2. UTILITIES	3,112	4,228	1,907	2,040	3,315	3,545
Anticipated Reimbursements	77	105	78	83	78	83
Estimated Gross Obligations	3,189	4,333	1,985	2,123	3,393	3,629
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	3,154	4,285	3,328	3,559	3,951	4,226
b. Exterior Utilities	29	39	32	34	2,222	2,376
c. Maintenance & Repair of Other Real Property	85	115	94	101	573	613
d. Alterations and Additions	29	39	33	35	34	36
Subtotal Direct Obligations	3,297	4,480	3,487	3,729	6,780	7,251
Anticipated Reimbursements	383	520	389	416	389	416
Estimated Gross Obligations	3,680	5,000	3,876	4,145	7,169	7,667
4. GRAND TOTAL, O&M - Direct Obligation	8,167	11,096	8,360	8,941	13,469	14,405
5. GRAND TOTAL -						
Anticipated Reimbursements	470	639	477	510	477	510
6. GRAND TOTAL, O&M - Gross Obligations	8,637	11,735	8,837	9,451	13,946	14,916

Tab:
Operations

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

MANAGEMENT

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		56,025
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		56,025
4. Price Growth:		765
a. Civilian Personnel Compensation	258	
b. Inflation	507	
5. Program Increases:		500
a. Realignment to Management from O&M,N (BSIT)	500	
6. Program Decreases:		(2,574)
a. HQ Requirements	(2,223)	
b. Realignment to Furnishings - JBAB	(351)	
7. FY 2014 President's Budget Request		54,716

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 the realignment of $500K from O&M,N (BSIT) back to FH,N to correct a PB12 issue that moved all NMCI (IT) costs from FH,N to O&M,N to be centrally funded. It was later determined that a portion of these costs should remain within the FH,N appropriation. The Program Decreases are due to minor reductions in HQ requirements associated with year-to-year adjustments in the contract costs for various centrally-funded initiatives at Navy Installations worldwide, as well as a realignment of funds from Management to Furnishings for Joint Base Anacostia/Bolling to reflect proper budgeting for these items. A corresponding increase of this same amount is included in the Furnishings OP-5.

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

SERVICES

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		18,551
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		18,551
4. Price Growth:		333
a. Inflation	335	
b. Working Capital Fund	(2)	
5. Program Increases:		267
a. O&M,N - FI/CT Reimbursement - Japan Region	267	
6. FY 2014 President's Budget Request		19,151

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 associated with a minor adjustment in projected costs for fire and emergency services at remote housing locations in Navy Region Japan. In PB13, funding was added to this account to ensure that FH,N had sufficient funds to reimburse the O&M,N - FI/CT accounts for fire and emergency services provided solely to remote family housing neighborhoods at Yokosuka (Negishi & Ikego) and Sasebo (Hario), Japan.

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

FURNISHINGS

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		16,065
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		16,065
4. Price Growth:		279
a. Civilian Personnel Compensation	8	
b. Inflation	233	
c. Working Capital Fund	38	
5. Program Increases:		2,800
a. Realignment from Management - JBAB	351	
b. Additional Furnishings Requirement/DDGs Deployment - Rota	2,000	
c. Replacement Furnishings - Overseas Locations	449	
6. FY 2014 President's Budget Request		19,144

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 Increases are associated with a realignment of funds from Management to Furnishings for Joint Base Anacostia/Bolling to reflect proper budgeting for these items. Other Program Increases are attributed to an additional furnishings requirement at Rota, Spain, due to increased base population with the deployment/relocation of three DDGs, and a slight increase in replacement furnishings at other overseas locations.

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

MISCELLANEOUS

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		491
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		491
4. Price Growth:		9
a. Inflation	9	
5. Program Decreases:		(138)
a. Reduced Requirement	(138)	
6. FY 2014 President's Budget Request		362

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT

Price Growth in the Miscellaneous account is due to Inflation adjustments. The Program Decrease is associated with a reduction of reimbursement costs made to the Coast Guard for Navy families living in Coast Guard housing.

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

MANAGEMENT

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		6,716
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		6,716
4. Price Growth:		50
a. Inflation	50	
5. Program Decreases:		(700)
a. Referral Efforts	(426)	
b. Gobal Restationing	(274)	
6. FY 2014 President's Budget Request		6,066

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT

Price Growth in the Management account is due to Inflation adjustments. Program Decreases are due to a Labor Redistribution to the Privatization Support Account to reflect decreased housing referral services and increased privatization oversight and monitoring and reduced management support due to rephased construction schedule for additional housing in Iwakuni being constructed by the Government of Japan in support of Global Restationing.

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

SERVICES

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		1,064
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		1,064
4. Price Growth:		18
a. Inflation	18	
5. Program Increases:		363
a. Global Restationing Inventory Increase	363	
6. FY 2014 President's Budget Request		1,445

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT

Price Growth in the Services account is due to Inflation adjustments. The Program Increase is due to services for additional housing in Iwakuni, Japan. These new units were constructed by the Government of Japan in support Global Restationing,

IMPACT OF PRIVATIZATION: None.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

FURNISHINGS

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		1,632
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		1,632
4. Price Growth:		21
a. Civilian Personnel Compensation	5	
b. Inflation	6	
c. Foreign Currency Fluctuation	10	
6. Program Increases:		1,171
a. Global Restationing Inventory Increase	52	
b. Global Restationing (FY14 Initial Outfitting One-Time Purchase)	1,119	
5. Program Decreases:		(895)
a. Global Restationing (FY13 Initial Outfitting One Time Purchase)	(895)	
7. FY 2014 President's Budget Request		1,929

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT

Price Growth in the Furnishings account is due to Civilian Personnel Compensation, Inflation adjustments, and Foreign Currency price fluctuations. Program Increases are due to additional moving and handling requirements in support of new units coming on-line and a one-time purchase of furnishings (kitchen and laundry appliances) for initial outfitting of another set of new units being constructed in Iwakuni by the Government of Japan in support of Global Restationing. Program Decreases are due to the non-recurrence of the FY13 purchase of furnishings for the initial outfitting of the first set of new units being constructed in Iwakuni by the Government of Japan in support of Global Restationing.

IMPACT OF PRIVATIZATION: None.

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Tab:
Utilities

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2014 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - UTILITIES

($000)

FY 2014 Budget Request	$94,313
FY 2013 Program Budget	$80,860

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 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

UTILITIES

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		78,162
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		78,162
4. Price Growth:		13,601
a. Inflation	98	
b. Working Capital Fund	13,503	
5. Program Decreases:		(1,570)
a. Inventory Loss - Jackson Park, WA	(1,570)	
6. FY 2014 President's Budget Request		90,193

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT

Price Growth in the Utilities account is due to Inflation and Working Capital Fund adjustments. The Program Decrease is associated with the privatization of 870 homes at Jackson Park, WA in FY13 as part of the NW Region PH II PPV Project.

IMPACT OF PRIVATIZATION: Loss of 870 units results in ~$1.6M in savings.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

UTILITIES

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		2,698
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		2,698
4. Price Growth:		51
a. Inflation	51	
5. Program Increases:		1,371
a. Global Restationing Inventory Increase	1,371	
6. FY 2014 President's Budget Request		4,120

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT

Price Growth in the Utilities account is due to Inflation adjustments. The Program Increase is due to utilities for additional housing in Iwakuni, Japan. The new units were constucted by the Government of Japan in support of Global Restationing.

IMPACT OF PRIVATIZATION: None.

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Tab:
Maintenance

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

MAINTENANCE

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		80,887
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		80,887
4. Price Growth:		1,245
a. Civilian Personnel Compensation	15	
b. Inflation	1,417	
c. Working Capital Fund	(187)	
5. Program Increases:		5,012
a. Major Repair - Worldwide	5,012	
6. Program Decreases:		(4,705)
a. Inventory Loss - Jackson Park, WA	(4,705)	
7. FY 2014 President's Budget Request		82,439

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 year-to-year fluctuation in the Major Repair program. Similar to the FHCON accounts, this portion of the Maintenance account does not require the same amount of funding each year. The Program Decrease is associated with the privatization of 870 homes at Jackson Park, WA in FY13 as part of the NW Region PH II PPV Project.

IMPACT OF PRIVATIZATION: Loss of 870 units results in ~$4.7M in savings.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

MAINTENANCE

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		4,367
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		4,367
4. Price Growth:		124
a. Civilian Personnel Compensation	10	
b. Inflation	73	
c. Foreign Currency Fluctuations	41	
5. Program Increases:		3,192
a. Iwakuni, Japan (One-Time Repairs)	2,293	
b. Iwakuni, Japan (Inventory Increase)	899	
6. FY 2014 President's Budget Request		7,683

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT

Price Growth in the Maintenance account is due to Civilian Personnel Compensation, Inflation, and Foreign Currency price adjustments. The Program Increases are due to a one-time increase for repairs to chillers and playgrounds in Iwakuni, Japan and additional maintenance requirements in support of new units constructed in Iwakuni by the Government of Japan in support of Global Restationing.

IMPACT OF PRIVATIZATION: None.

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Tab:

M&R > $20K

1. Component DON	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
3. Installation and Location: NAVAL AND MARINE CORPS INSTALLATIONS VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. Project Title FAMILY HOUSING REPAIRS GREATER THAN $20K/UNIT		5. Project Number VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE

INSIDE THE UNITED STATES

DISTRICT OF COLUMBIA

Marine Barracks, 8th & I Streets 37.0
(EI-H-1408-M2)

This project will install an upgraded intrusion detection system (IDS) within Quarters 3, Marine Barracks, 8th & I, Washington, DC. The work includes installation of IDS panel and keypads, wireless high-power receiver, wireless repeaters, duress buttons, duress pendants, intrusion panel module, fiber patch panel, power supply, and other system components, connectors and cabling.

MARYLAND

Naval Support Facility, Thurmont 86.5
(BP207)

This project will remove current aging cedar shake shingles and asphalt felt paper, which are causing minor leaks and interior wall damage, and replace them on the Commanding Officers Quarters, Naval Support Facility, Thurmont, Maryland.

OUTSIDE THE UNITED STATES

CUBA

NAVSTA Guantanamo Bay 1,425.0
(HSG120003)

This project will replace the kitchen cabinets in 57 homes in the Deer Point, Marina Point, Marine Site, Paola Point, and Radio Point neighborhoods. These original 1940's cabinets are worn, deteriorated, and well past their expected life cycle.

GUAM

NB Guam 133.8
(H-05-14)

This project will prepare and apply protective roof coating to building roof surfaces of six units on Flag Circle. Building roof surfaces in Guam are subject to extreme weather conditions and roof coating will protect the homes from accelerated deterioration.

1. Component DON	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
3. Installation and Location: NAVAL AND MARINE CORPS INSTALLATIONS VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. Project Title FAMILY HOUSING REPAIRS GREATER THAN $20K/UNIT		5. Project Number VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
OUTSIDE THE UNITED STATES (Cont.)	
JAPAN	
CFA Yokosuka (HM-14-07)	3,356.4

This project will replace the underground hot water distribution lines for 106 townhomes at Yokosuka main base. The project includes replacement of all hot water supply piping and includes restoratation of yards, driveways, sidewalks, and parking areas that are affected by the project.

Tab:

GFOQ M&R > $35K

1. Component	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. Date
NAVY		31 MAR 2013
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
INSIDE THE UNITED STATES							
TEXAS							
NAS Corpus Christi	SOQ 1	28,000	7,100	178,900	0	214,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. Major repairs include replacing the roof, replacing installed carpet, interior repairs and paint, duct-work repairs and bathroom renovations. (Year built: 1941; NSF: 4,584; HTD)							
OUTSIDE THE UNITED STATES							
ITALY							
NSA Naples	Villa Nike	46,700	87,400	81,900	0	216,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. (Year built: 1949; NSF: 11,322)							
JAPAN							
NAF Atsugi	430	8,200	4,600	80,200	0	93,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, grounds maintenance and change of occupancy maintenace. Major repairs include reconfiguring a bedroom into a secure communications room and asbestos mitigation. (Year built: 1992; NSF: 1,921)							
CFA Yokosuka	11 Nimitz	11,500	9,100	90,100	0	110,700	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, grounds maintenance and a complete exterior painting. (Year built: 1992; NSF: 1,921)							
CFA Yokosuka	16 Halsey	12,600	27,900	115,700	0	156,200	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, grounds maintenance and a complete exterior painting. (Year built: 1940; NSF: 3,223)							
CFA Yokosuka	17 Halsey	14,600	17,100	98,000	0	129,700	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. Major repairs include repairs to the roof. (Year built: 1948; NSF: 4,140)							
CFA Yokosuka	18 Halsey	12,600	28,000	98,900	0	139,500	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. Major repairs include repairs to the roof. (Year built: 1948; NSF: 4,140)							
GUAM							
NB Guam	4 Flag Cir	8,100	18,600	123,300	0	150,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. Major repairs include roof repairs and installation of a whole-house backup generator. (Year built: 1945; NSF: 3,448)							

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Department of the Navy
Navy General and Flag Officers' Quarters
Anticipated Operations and Maintenance Expenditures Exceeding $35K per Unit for Fiscal Year 2014
(Dollars in Thousands)

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Ops Cost	Maint. Cost	Repair Cost	Total O&M	Utility Cost	Leasing Cost	Hist. Pres. Cost	Total FH O&M Cost
Texas	Corpus Christi	SOQ 1	1941	4,584	$28.0	$43.9	$135.0	$206.9	$7.1	$0.0	$0.0	$214.0
Bahrain	Bahrain	Villa 1266	2000	6,500	$0.0	$0.0	$0.0	$0.0	$0.0	$185.2	$0.0	$185.2
Cuba	Guantanamo Bay	M-101	1941	4,704	$39.3	$22.3	$0.0	$61.6	$53.3	$0.0	$0.0	$114.9
Italy	Naples	Unit 1, Bldg 2157	2007	1,790	$0.0	$0.0	$0.0	$0.0	$0.0	$41.7	$0.0	$41.7
		Villa Anna[1]	1975	4,218	$0.0	$0.0	$0.0	$0.0	$0.0	$206.4	$0.0	$206.4
		Villa de Iorio[2]	1967	4,765	$0.0	$0.0	$0.0	$0.0	$0.0	$223.2	$0.0	$223.2
		Villa Maria[2]	1992	4,714	$0.0	$0.0	$0.0	$0.0	$0.0	$217.6	$0.0	$217.6
		Villa Nike	1949	11,322	$46.7	$81.9	$0.0	$128.6	$87.4	$0.0	$0.0	$216.0
		Villa Pisa 2[1]	1982	2,300	$0.0	$0.0	$0.0	$0.0	$0.0	$161.2	$0.0	$161.2
		Villa Sara	1991	6,187	$0.0	$0.0	$0.0	$0.0	$0.0	$237.3	$0.0	$237.3
Japan	Atsugi	430	1959	2,061	$8.2	$30.2	$50.0	$88.4	$4.6	$0.0	$0.0	$93.0
	Yokosuka	2 Nimitz	1991	1,921	$8.7	$27.6	$0.0	$36.3	$5.6	$0.0	$0.0	$41.9
		11 Nimitz	1992	1,921	$11.5	$90.1	$0.0	$101.6	$9.1	$0.0	$0.0	$110.7
		16 Halsey	1940	3,223	$12.6	$115.7	$0.0	$128.3	$27.9	$0.0	$0.0	$156.2
		17 Halsey	1948	4,140	$14.6	$68.0	$30.0	$112.6	$17.1	$0.0	$0.0	$129.7
		18 Halsey	1948	4,140	$12.6	$63.9	$35.0	$111.5	$28.0	$0.0	$0.0	$139.5
Mariana Islands	Guam	4 Flag Circle	1945	3,448	$8.1	$27.2	$96.1	$131.4	$18.6	$0.0	$0.0	$150.0
		1000 Rota St	1960	3,343	$4.0	$23.5	$0.0	$27.5	$24.8	$0.0	$0.0	$52.3
Singapore	Singapore	Temasek House	1940	2,217	$0.0	$0.0	$0.0	$0.0	$0.0	$53.7	$0.0	$53.7
Totals	**GFOQ Units**	**19**			**$194.3**	**$594.3**	**$346.1**	**$1,134.7**	**$283.5**	**$1,272.6**	**$0.0**	**$2,690.8**

[1] Plan to terminate leases for Villa Anna and Villa Pisa 2 in FY13 upon PCS of current residents.
[2] Plan to terminate leases for Villa de Iorio and Villa Maria in FY14 upon PCS of current residents.

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Department of the Navy (Navy)
General and Flag Officers' Quarters (GFOQ)
6,000 NSF Units for Fiscal Year 2014
(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
Italy	Naples	Villa Nike	1949	11,322	$216.0	Not considered[1]	N/A	N/A
TOTAL:	**1 GFOQ Unit**				**$216.0**		**N/A**	**N/A**

[1] Villa Nike is home to the four-star billet, Commander, USNAVEUR/JFC. The government of Italy technically owns this quarters, although the agreement with the government of Italy is that the U.S. will occupy and maintain the quarters with Navy FH,N. Consequently, alternative uses or demolition are not options. The Navy is actively exploring alternative housing options for this billet.

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Department of the Navy
Navy Privatized General and Flag Officers' Quarters
Operation, Maintenance and Repair Costs Incurred by Private Sector Developer/Partner/Owner
Exceeding $50K per Housing Unit
for Fiscal Year 2012
(Dollars in Thousands)

State/Country	Installation	Quarters ID	Year Built	Size NSF	Operations Cost	Maint & Repair Cost	Total FH O&M Cost
California	Miramar	1402 Orion Ct*	2009	3,850	$35.9	$20.6	$56.6
	Miramar	1404 Orion Ct*	2009	3,781	$34.7	$15.8	$50.6
	NAS North Island	8 Maxfield Blvd (Qtrs D)*	1919	3,843	$32.8	$18.5	$51.3
District of Columbia	Washington	A Tingey House*	1804	8,940	$44.5	$127.6	$172.1
	Washington	AA-Potomac Annex*	1910	5,632	$12.2	$183.5	$195.7
	Washington	B-NOBSY*	1897	3,262	$25.0	$222.2	$247.1
	Washington	B-WNY*	1801	5,165	$23.4	$230.9	$254.3
	Washington	BB Potomac Annex*	1910	4,654	$17.0	$359.7	$376.8
	Washington	C-WNY*	1879	2,548	$26.4	$200.7	$227.1
	Washington	CC Potomac Annex*	1910	4,460	$14.4	$45.9	$60.3
	Washington	D-WNY*	1879	2,514	$21.0	$203.7	$224.8
	Washington	E-WNY*	1880	3,376	$25.4	$34.1	$59.5
	Washington	G-WNY*	1880	3,271	$24.2	$27.8	$52.0
	Washington	H-WNY*	1880	3,460	$22.0	$67.0	$88.9
	Washington	L-1-WNY*	1868	2,160	$12.3	$54.3	$66.6
	Washington	L-WNY*	1868	1,948	$17.1	$58.4	$75.5
	Washington	M-WNY*	1868	1,940	$13.6	$54.1	$67.6
	Washington	N-WNY*	1866	2,536	$21.0	$269.8	$290.8
	Washington	O-WNY*	1866	2,940	$24.8	$222.8	$247.6
	Washington	V-WNY*	1900	2,325	$16.6	$38.6	$55.2
Florida	Mayport	3909 Oakhill*	2011	3,500	$51.8	$14.2	$66.0
Hawaii	Pearl Harbor	A Hale Alii*	1914	5,588	$39.8	$21.0	$60.8
	Pearl Harbor	C Hale Alii*	1914	2,951	$17.3	$32.7	$50.1
Maryland	Annapolis	1 Buchanan*	1906	13,048	$71.7	$278.2	$349.9
	Bethesda	A-NNMC*	1941	3,636	$19.8	$192.7	$212.5
	Bethesda	B-NNMC*	1941	3,597	$26.2	$81.8	$108.1
Rhode Island	Newport	AA-CHI*	1896	6,020	$26.6	$27.4	$54.1
Virginia	Hampton Roads	G-30*	1907	12,660	$17.9	$48.0	$65.9
	Hampton Roads	G-8*	1907	5,990	$21.0	$43.0	$64.0
	Hampton Roads	M-14*	1907	4,307	$20.2	$33.6	$53.8
Washington	NB Kitsap	1412 Decatur Avenue (Qtrs C)*	1896	6,747	$17.6	$48.2	$65.9
	Totals	**31**			**$794.6**	**$3,276.7**	**$4,071.4**

Notes:

(1) (*) GFOQ units where Utility Costs are included as part of Operation Costs.

(2) This annual report complies with the FY 2009 National Defense Authorization Act (NDAA), amended section 2805 requirement.

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1. Component MARINE CORPS	**FY 2014 MILITARY CONSTRUCTION PROJECT DATA**	2. Date 31 MAR 2013
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
			INSIDE THE UNITED STATES				
DISTRICT OF COLUMBIA							
Marine Barracks, 8th & I, Washington, DC	Qtrs 1	13,700	13,700	54,300	0	81,700	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. Major repairs include upgrading the Electronic Security Systems / Intrusion Detection System (IDS) within Quarters 1 (ATFP Compliance Requirement). (Year built: 1908; NSF: 7,376; NHR)							
Marine Barracks, 8th & I, Washington, DC	Qtrs 2	13,700	11,700	53,200	0	78,600	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Major repairs include upgrading the Electronic Security Systems / Intrusion Detection System (IDS) within Quarters 2 (ATFP Compliance Requirement). (Year built: 1908; NSF: 6,084; NHR)							
Marine Barracks, 8th & I, Washington, DC	Qtrs 4	13,700	11,700	53,200	0	78,600	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. Major repairs include upgrading the Electronic Security Systems / Intrusion Detection System (IDS) within Quarters 4 (ATFP Compliance Requirement). (Year built: 1908; NSF: 6,084; NHR)							
Marine Barracks, 8th & I, Washington, DC	Qtrs 6	13,800	54,200	164,000	0	232,000	0
Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Major repairs include forensic analysis investigation to cracks in southwest chimney, refurnishing wood floors and installing HVAC in the CMC office. (Year built: 1810; NSF: 15,605; NHL)							

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Department of the Navy
Marine Corps General and Flag Officers' Quarters
Anticipated Operations and Maintenance Expenditures Exceeding $35K per Unit for Fiscal Year 2014
(Dollars in Thousands)

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Ops Cost	Maint. Cost	Repair Cost	Total O&M	Utility Cost	Leasing Cost	Hist. Pres. Cost	Total FH O&M Cost
District of Columbia	8th & I Streets	1	1908	7,376	$13.7	$16.4	$37.9	$68.0	$13.7	$0.0	$0.0	$81.7
	8th & I Streets	2	1908	6,084	$13.7	$16.4	$36.8	$66.9	$11.7	$0.0	$0.0	$78.6
	8th & I Streets	4	1908	6,084	$13.7	$16.4	$36.8	$66.9	$11.7	$0.0	$0.0	$78.6
	8th & I Streets	6	1810	15,605	$13.8	$30.5	$133.5	$177.8	$54.2	$0.0	$0.0	$232.0
Louisiana	New Orleans	A	1840	6,483	$50.4	$27.6	$0.0	$78.0	$10.2	$0.0	$0.0	$88.2
Totals	**GFOQ Units**	**5**			**$105.3**	**$107.3**	**$245.0**	**$457.6**	**$101.5**	**$0.0**	**$0.0**	**$559.1**

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Department of the Navy (Marine Corps)
General and Flag Officers' Quarters (GFOQ)
6,000 NSF Units for Fiscal Year 2014
(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	$81.7	Considered and rejected[1]	N/A	N/A
	8th & I Streets	2	1908	6,084	$78.6	Considered and rejected[1]	N/A	N/A
	8th & I Streets	4	1908	6,084	$78.6	Considered and rejected[1]	N/A	N/A
	8th & I Streets	6	1810	15,605	$232.0	Considered and rejected[1]	N/A	N/A
Louisiana	New Orleans	A	1840	6,483	$88.2	Considered and rejected[2]	N/A	N/A
TOTAL:	**5 GFOQ Units**				**$559.1**		**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 Commandants also being a National Historic Landmark. Privatization was considered and rejected due to: the cost to operate, maintain and sustain the homes due to their size and historic nature. The up-front seed-privatization funding cost was determined at $9 million and the project had negative life cycle savings of $5 million. One of the factors contributing to the historic designation of the Home of the Commandants is that it is a public building. The Home of the Commandants is the oldest continuously occupied public building in the District of Columbia.

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

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Department of the Navy
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 2012
(Dollars in Thousands)

State/Country	Installation	Quarters ID	Year Built	Size NSF	Operations Cost	Maint & Repair Cost	Total FH O&M Cost
North Carolina	Cherry Point	316 Jefferson Ave[1]	2008	4,013	$4.4	$195.5	$199.9
Virginia	Quantico	1 Neville	1920	5,050	$7.2	$89.6	$96.8
	Totals	**2**			**$11.6**	**$285.1**	**$296.7**

Notes:
(1) Maintenance & Repair costs for 316 Jefferson Ave include $188,000 due to damage from Hurricane Irene. Approved by HQMC on 8 May 2012.

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Reimbursables

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2014 BUDGET ESTIMATE
OPERATION AND MAINTENANCE - REIMBURSABLES

($000)

FY 2014 Budget Request	$17,645
FY 2013 Program Budget	$13,974

Purpose and Scope

This program includes collections received from the rental of DON family housing to foreign national, civilian and Coast Guard personnel; collections for rental of mobile home spaces; collections for burden sharing by the Government of Japan, and collections for occupant-caused damages. The Reimbursable program also includes fees charged to residents of Section 802 leased housing for utilities and services.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

REIMBURSABLE AUTHORITY

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		12,329
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		12,329
4. Program Increases:		3,671
a. Execution Adjustment	3,671	
5. FY 2014 President's Budget Request		16,000

RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT

The Program Increase is an adjustment to the overall authority requested based on current collections projections. The increased amount ensures enough authority for this account, but does not guarantee that this amount will be fully collected.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

REIMBURSABLE AUTHORITY

Reconciliation of Increases and Decreases

	(Dollars in Thousands)
1. FY 2013 President's Budget Request	1,645
2. FY 2013 Appropriated Amount	0
3. FY 2013 Current Estimate	1,645
4. FY 2014 President's Budget Request	1,645

RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT
None.

IMPACT OF PRIVATIZATION: None.

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Tab:
Leasing

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
DEPARTMENT OF THE NAVY LEASING SUMMARY

($000)

FY 2014 Budget Request	$74,962
FY 2013 Program Budget	$83,774

Purpose and Scope

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

Program Summary

	FY 2012			FY 2013			FY 2014		
	Auth Units	Avg Units	Cost ($000)	Auth Units	Avg Units	Cost ($000)	Auth Units	Avg Units	Cost ($000)
Domestic	**396**	**396**	**9,210**	**396**	**396**	**10,235**	**396**	**396**	**10,409**
Navy	396	396	9,210	396	396	10,235	396	396	10,409
801	**600**	**600**	**11,663**	**600**	**600**	**11,486**	**600**	**109**	**2,740**
Navy	600	600	11,663	600	600	11,486	600	109	2,740
802	**276**	**276**	**579**	**276**	**276**	**590**	**276**	**276**	**600**
MarCps	276	276	579	276	276	590	276	276	600
Foreign	**1,775**	**1,774**	**54,545**	**1,764**	**1,762**	**61,463**	**1,766**	**1,763**	**61,213**
Navy	1,756	1,755	53,755	1,751	1,749	60,595	1,752	1,749	60,329
MarCps	19	19	790	13	13	868	14	14	884
DON Total	**3,047**	**3,046**	**75,997**	**3,036**	**3,034**	**83,774**	**3,038**	**2,544**	**74,962**

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), Ventura County, CA (300 units), Pensacola, FL (300 units), and Twenty-nine Palms, CA (600 Units). In 2014, the two remaining Section 801 leases, found in Pensacola, FL and Ventura County, CA, will expire.

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 2014 BUDGET ESTIMATE
NAVY LEASING SUMMARY

($000)

FY 2014 Budget Request	$73,478
FY 2013 Program Budget	$82,316

Purpose and Scope

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

Program Summary

	FY 2012			FY 2013			FY 2014		
	Auth Units	Avg Units	Cost ($000)	Auth Units	Avg Units	Cost ($000)	Auth Units	Avg Units	Cost ($000)
Domestic	396	396	9,210	396	396	10,235	396	396	10,409
801	600	600	11,663	600	600	11,486	600	109	2,740
Foreign	1,756	1,755	53,755	1,751	1,749	60,595	1,752	1,749	60,329
Navy Total	**2,752**	**2,751**	**74,628**	**2,747**	**2,745**	**82,316**	**2,748**	**2,254**	**73,478**

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 currently consists of Section 801 leased units, as well as short-term Recruiter Leases for families that are greater than 60 minutes/20 miles from available military housing and can demonstrate a greater than 7.5% out-of-pocket expense for leased housing.

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. The Section 801 program was made permanent and codified as Section 2835 of Title 10, United States Code, in FY 1992. The Navy's two remaining Section 801 projects in Ventura County, CA (300 units) and Pensacola, FL (300 units) will expire in FY 2014.

Domestic Leasing Fiscal Year Summary

FY 2012 – The Domestic Lease Program consists of 996 (average) units requiring funding of $20.873 million. Funding in the amount of $11.663 million provides full funding for Section 801 projects at Pensacola and Ventura. The remaining $9.210 million is required for 396 leases for recruiters at high-cost locations not supported by a military installation.

FY 2013 – The Domestic Lease Program consists of 996 (average) units requiring funding of $21.721 million. Funding in the amount of $11.486 million provides full funding for Section 801 projects at Port Hueneme and Pensacola. The remaining $10.235 million is required for 396 leases for recruiters at high-cost locations not supported by a military installation.

FY 2014 – The Domestic Lease Program consists of 505 (average) units requiring funding of $13.149 million. Funding in the amount of $2.740 million provides full funding for Section 801 projects at Ventura and Pensacola. The remaining $10.409 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:

The FY 2012 Foreign Lease Program consists of 1,755 (average) units requiring funding of $53.755 million.

The FY 2013 Foreign Lease Program consists of 1,749 (average) units requiring funding of $60.595 million.

The FY 2014 Foreign Lease Program consists of 1,749 (average) units requiring funding of $60.329 million.

FAMILY HOUSING - NAVY
(Other than Section 801 and Section 802 Units)
FY 2014

Location	FY 2012			FY 2013			FY 2014		
	Units Authorized	Lease Months	Cost ($000)	Units Authorized	Lease Months	Cost ($000)	Units Authorized	Lease Months	Cost ($000)
Domestic Leasing									
Recruiters, Var Locs	396	4,752	9,210	396	4,752	10,235	396	4,752	10,409
Total Domestic Leases	**396**	**4,752**	**9,210**	**396**	**4,752**	**10,235**	**396**	**4,752**	**10,409**

FAMILY HOUSING - NAVY

Section 801 Units*

FY 2014

	FY 2012			FY 2013			FY 2014		
Location	**Units Authorized**	**Lease Months**	**Cost ($000)**	**Units Authorized**	**Lease Months**	**Cost ($000)**	**Units Authorized**	**Lease Months**	**Cost ($000)**
Pensacola, FL[1]	300	3,600	4,087	300	3,600	4,100	300	108	125
Ventura, CA[2]	300	3,600	7,576	300	3,600	7,386	300	1,200	2,615
Total Section 801 Leases	**600**	**7,200**	**11,663**	**600**	**7,200**	**11,486**	**600**	**1,308**	**2,740**

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

[1] Pensacola 801 lease agreement expires on 11 Oct 2013

[2] Ventura 801 lease agreement expires on 1 Feb 2014

FAMILY HOUSING - NAVY

(Other than Section 801 and Section 802 Units)

FY 2014

Location	FY 2012			FY 2013			FY 2014		
	Units Authorized	Lease Months	Cost ($000)	Units Authorized	Lease Months	Cost ($000)	Units Authorized	Lease Months	Cost ($000)
Foreign Leasing									
Larissa, Greece	1	3	44	0	0	0	0	0	0
Manama, Bahrain	2	19	209	1	12	175	1	12	185
Naples, Italy	1,065	12,780	29,602	1,065	12,780	34,197	1,065	12,780	33,356
Sigonella, Italy	526	6,312	15,888	526	6,312	17,918	526	6,312	18,223
Singapore, Singapore	113	1,356	5,442	113	1,356	6,170	113	1,356	6,275
Foreign Leasing (DoS Leases)									
Cairo, Egypt	18	216	614	18	216	624	18	216	635
Dili, Timor-Leste	1	12	79	1	12	59	1	12	60
Jakarta, Indonesia	2	24	23	0	0	0	0	0	0
Dubai, U.A.E.	1	12	73	1	11	67	1	12	68
Hanoi, Vietnam	1	12	65	1	8	48	1	8	49
Hong Kong, China	1	12	201	1	4	46	1	4	47
Kuala Lampur, Malaysia	1	12	83	1	9	61	1	9	62
Lima, Peru	15	180	682	14	168	562	15	168	689
New Delhi, India	2	19	160	1	12	73	1	12	74
Oslo, Norway	1	12	83	1	12	84	1	12	86
Singapore, Singapore	1	12	155	1	12	205	1	12	209
Phnom Penh, Cambodia	2	24	212	2	20	182	2	20	185
Vientiane, Laos	4	48	140	4	44	124	4	44	126
DoS Leases (Sub-total)	50	595	2,570	46	528	2,135	47	529	2,290
Total Foreign Leases	**1,756**	**21,062**	**53,755**	**1,751**	**20,988**	**60,595**	**1,752**	**20,989**	**60,329**

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

LEASING

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		82,316
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		82,316
4. Price Growth:		1,276
a. Civilian Personnel Compensation	29	
b. Inflation	1,405	
c. Working Capital Fund	(158)	
5. Program Decreases:		(10,114)
a. Expiration of 801 Leases at NAS Pensacola & NB Ventura County	(8,941)	
b. Execution Adjustment - Naples	(1,173)	
6. FY 2014 President's Budget Request		73,478

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 the expiration of the Section 801 lease agreements at NAS Pensacola and NB Ventura County, as well as a reduced request for lease costs at Naples, Italy based on current execution.

IMPACT OF PRIVATIZATION: None.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
MARINE CORPS LEASING SUMMARY

($000)

FY 2014 Budget Request	$1,484
FY 2013 Program Budget	$1,458

Purpose and Scope

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

Program Summary

	FY 2012			FY 2013			FY 2014		
	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	579	276	276	590	276	276	600
Foreign	19	19	790	13	13	868	14	14	884
USMC Total	**295**	**295**	**1,369**	**289**	**289**	**1,458**	**290**	**290**	**1,484**

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 2012 – Funding in the amount of $0.579 million provides full funding for the Section 802 project in Hawaii.

FY 2013 – Funding in the amount of $0.590 million provides full funding for the Section 802 project in Hawaii.

FY 2014 – Funding in the amount of $0.600 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 2012 unit authorization consists of 19 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 $0.790 million is required to support these leases.

The FY 2013 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 $0.868 million is required to support these leases.

The FY 2014 unit authorization consists of 14 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 $0.884 million is required to support these leases.

FAMILY HOUSING - MARINE CORPS
Analysis of Leased Units*
FY 2014

	FY 2012			FY 2013			FY 2014		
Location	Units Authorized	Lease Months	Costs ($000)	Units Authorized	Lease Months	Costs ($000)	Units Authorized	Lease Months	Costs ($000)
Section 801 Leases									
	0	0	0	0	0	0	0	0	0
Total Section 801 Leases	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Section 802 Leases									
MCB Hawaii, HI**	276	3,312	580	276	3,312	590	276	3,312	600
Total Section 802 Leases	**276**	**3,312**	**580**	**276**	**3,312**	**590**	**276**	**3,312**	**600**
Total Section 801 & 802 Leases	**276**	**3,312**	**580**	**276**	**3,312**	**590**	**276**	**3,312**	**600**

* Reflects all Operations & Maintenance Costs associated with the Section 802 units FY12 through FY14.

** 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 2014

Location	FY 2012			FY 2013			FY 2014		
	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	82	1	12	83
* Kiev, Ukraine	1	12	37	1	12	35	1	12	36
* Accra, Ghana	0	12	0	0	0	0	1	12	85
* Rabat, Morocco	1	4	61	1	6	93	1	6	95
* Cairo, Egypt	2	12	67	1	12	69	1	12	70
* Muscat, Oman	3	30	55	2	22	39	2	24	43
* Dakkar, Senegal	3	18	84	2	18	125	1	12	52
* Tel Aviv, Israel	2	22	166	1	12	92	1	12	93
* Tunis, Tunisia	4	31	127	3	30	167	1	10	44
* Ankara, Turkey	1	10	30	0	0	0	2	14	44
* Hanoi, Vietnam	0	0	0	0	0	0	1	12	70
* New Delhi, India	2	12	163	1	12	166	1	12	169
Total Foreign Leases	**19**	**163**	**790**	**13**	**136**	**868**	**14**	**150**	**884**

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

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

LEASING

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		1,458
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		1,458
4. Price Growth:		26
a. Inflation	26	
4. FY 2014 President's Budget Request		1,484

RATIONALE FOR CHANGES IN THE LEASING ACCOUNT

The Price Growth in the Leasing Account is due to Inflation adjustments. For additional details, please see Marine Corps FH-4: Analysis of Leased Units.

IMPACT OF PRIVATIZATION: None.

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Tab:
Privatization

DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2014 BUDGET ESTIMATE
DEPARTMENT OF THE NAVY PRIVATIZATION SUMMARY

($000)

FY 2014 Budget Request	$27,634
FY 2013 Program Budget	$27,798

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 38 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 38 projects have been executed through FY 2010, totaling 62,634 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 2014 BUDGET ESTIMATE
NAVY PRIVATIZATION SUMMARY

($000)

FY 2014 Budget Request	$16,711
FY 2013 Program Budget	$16,950

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 business 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 eighteen 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, and two in FY 2010 for a total of 39,160 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	2,953 homes
	Northwest Region	2,985 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	31 homes
	San Diego PH V	257 homes

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 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 2014

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
				1.800	FY95	FHNC	H291 CMP Pendleton	
	Kingsville/Portland, TX			6.700	FY96	FHNC	H314 PWC San Diego	
Mar-07	**Everett I**	**0**	**0**	3.000	FY96	FHNC	H314 PWC San Diego	#3 & 10 USC 2837
				2.900	FY97	FHNC	H315 PWC San Diego	
	NS Everett, WA			2.600	FY99		PL 105-237	
Nov-00	**Kingsville II**	**244**	**150**	6.200	FY97	FHNC	H400 NAS Kingsville	#1, #2, #4 & 10 USC 2880, 2881
	NS Kingsville, TX							
Dec-00	**Everett II**	**0**	**288**	12.200	FY97	FHNC	H508 NS Puget Sound	#2, #3 & 10 USC 2880, 2881
				2.800	FY97	FHNC	H508 NS Puget Sound	
				3.400	FY99		PL 105-237	
	NS Everett, WA			0.500	FY99	FHIF	H379 NPWC Pearl Harbor	
Aug-01	**San Diego PH I**	**2,660**	**3,248**	11.900	FY98	FHNC	H-571 PWC San Diego	#2, #4 & 10 USC 2880, 2881
	NS San Diego, CA			9.000	FY99		PL 100-202	
Oct-01	**New Orleans**	**498**	**936**	6.200	FY97		H-365 FY97 MCAS Beaufort	#2, #4 & 10 USC 2880, 2881
				11.900	FH98	FHNC	H-389 NAS New Orleans	
	NS New Orleans, LA			5.000	FY01	FHNC	H-535 NSA New Orleans	
Feb-02	**South Texas**	**537**	**417**	22.300	FY98	FHNC	H-581 NAS Corpus Christi	#2, #4 & 10 USC 2880, 2881
	NAS Corpus Christi, TX	465	417	7.100	N/A	FHIF	H-365 FY97 MCAS Beaufort	
	NS Ingleside, TX	72	0					
May-03	**San Diego PH II**	**3,302**	**3,217**	0.000			No DoN Contribution	#2, #4 & 10 USC 2880, 2881, 2882 (c)
	NS San Diego, CA							
May-04	**Hawaii Regional PH I**	**2,003**	**1,948**	24.742	FY03	FHIMP	H-1-03 - Pearl Harbor PPV Seed	#2, #4 & 10 USC 2880, 2881, 2882 (c), 2883
	NAVSTA Pearl Harbor			0.258	FY03	Design		
Nov-04	**Northeast Regional**	**5,601**	**2,953**	0.000			No DoN Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881
	Lakehurst, NJ	189	114					
	New London, CT	2,119	1,395					
	NAVSTA Newport, RI	1,346	690					
	NSY Portsmouth, NH	233	215					
	NSU Saratoga Springs, NY	200	200					
	Mitchel Complex NRD NY	510	250					
	NAVWPNSTA Earle, NJ	254	89					
	NAS Brunswick, ME	750	0					
Feb-05	**Northwest Regional PH I**	**3,098**	**2,985**	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	1,279	5.762	FY02	FHIMP		
	NS Kitsap-Bremerton, WA	219	61					
	NAS Whidbey, WA	1,552	1,504					
	NS Everett, WA	109	141					

DEPARTMENT OF THE NAVY, NAVY
FH-6 Family Housing Privatization
Fiscal Year 2014

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	
Aug-05	**Mid-Atlantic Regional**	**5,695**	**5,826**					#2, #4 & 10 USC 2872(a), 2880, 2881
	Hampton Roads, VA: NAVSTA Norfolk, NAB Little Creek, Portsmouth Naval Hospital	4,057	4,379					
	USNA Annapolis, MD	370	261	0.000			No DoN Contribution	
	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					
Jan-06	**Midwest Regional PH I**	**2,764**	**1,401**	24.079	FY03	FHNC	H-642 - New London, CT	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	N. Chicago, IL: NTC Great Lakes, Naval Hospital GL	2,006	1,056					
	Fort Sheridan, IL Post BRAC land	329	209					
	Former Base, NAS Glenview	400	112					
	NSWC Crane, IN	29	24					
May-06	**San Diego PH III**	**2,667**	**4,068**					#2, #4 & 10 USC 2872(a), 2880, 2881
	NS San Diego, CA	1,512	1,510					
	NAB Coronado, CA	94	97					
	NAVSUBASE San Diego, CA	530	530					
	Naval Command Control & Ocean Surveillance Center	4	4	0.000			No DoN Contribution	
	Naval Medical Center, San Diego	4	4					
	MCAS Miramar	523	1,923					
Sep-06	**Hawaii Regional PH III**	**2,489**	**2,517**					#2, #4 & 10 USC 2872(a), 2880, 2881
	NAVSTA Pearl Harbor, NSY PH	2,295	2,325	0.000			No DoN Contribution	
	NCTAMS PAC, Oahu, HI	138	138					
	PMRF Barking Sands, Kauai	56	54					
Sep-07	**Southeast Regional**	**7,178**	**4,673**	16.981	FY03	FHIMP	H-1-97-1 - Charleston, SC	#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	H-04-97 - Atsugi, Japan	
	NSA Panama City, FL	65	49	6.306	FY06	FHIMP	H-06-92 - Guam, Guam	
	NWS Charleston, SC	1,885	649	2.000	FY06	Design		
	NS Mayport, FL	1,156	940	10.700	FY06	FHNC	H-439 - Gulfport MS	
	NAS Jacksonville, FL	532	302	19.900	FY07	FHIMP	H-01-07 - SE Region PPV Seed	
	NSB Kings Bay, GA	610	399	8.400	FY09	FHIMP	H-1-09 - Gulfport, MS	
	NAS Key West, FL	890	733					
	NASJRB Ft Worth, TX	83	83					
	NAS Meridian, MS	481	163					
	NCBC Gulfport, MS	577	561					

DEPARTMENT OF THE NAVY, NAVY
FH-6 Family Housing Privatization
Fiscal Year 2014

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	
Sep-07	**San Diego PH IV**	**3,550**	**3,523**	0.000			No DoN Contribution	#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					
	NAF El Centro, CA	101	101					
	NAVWPNSTA Seal Beach, CA	197	188					
	NAS Fallon, NV	230	230					
Sep-07	**Midwest Regional PH II**	**401**	**318**	7.867 0.888 1.014	FY03 FY03 FY03	FHNC FHNC Design	H-643 - Lemoore, CA H-595 - Pascagoula, MS	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Mid-South, Millington,TN			12.231	FY06	FHIMP	H-04-97 - Atsugi, Japan	
Feb-10	**Mid-Atlantic Regional PH II**	**55**	**31**	0.000			No DoN Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Mechanicsburg, PA							
Feb-10	**San Diego PH V**	**259**	**257**	0.000			No DoN Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881, 2883
	NSA Washington DC	258	256					
	NSA Annapolis, MD	1	1					
Sep-13	**Northwest Regional PH II**	**870**	**485**	27.500 10.500	FY13 FY13	FHIMP FHIF	HP-13-03 - Jackson Park, WA Everett I and Ferndale Sale Proceeds	#2, #4 & 10 USC 2872(a), 2880, 2881, 2882 (c), 2883
	Bangor/Bremerton, WA							
Sep-17	**San Diego PH VI**	**226**	**226**	0.000			No DoN Contribution	#2, #4 & 10 USC 2872(a), 2880, 2881, 2882 (c), 2883
	NAVBASE Ventura County,CA							
Grand Totals		**44,097**	**39,871**	**361.173**				

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 2012, 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 2014 BUDGET ESTIMATE
JUSTIFICATION
NAVY

PRIVATIZATION SUPPORT COSTS

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		16,950
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		16,950
4. Price Growth:		245
a. Civilian Personnel Compensation	67	
b. Inflation	178	
5. Program Decreases:		(484)
a. Requirements	(484)	
6. FY 2014 President's Budget Request		16,711

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 looks to reduce energy consumption in PPV homes by rewarding residents who conserve energy and charging those who consume >10% of the average consumption of similar homes. Price Growth in the Privatization Support account is due to Civilian Personnel Compensation and Inflation adjustments. The Program Decrease is based on expected reductions in workload due to the completion of the Initial Development Plan (IDP) of recently awarded projects.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING – FY 2014 BUDGET ESTIMATE
MARINE CORPS PRIVATIZATION SUMMARY

($000)

FY 2014 Budget Request	$ 10,923
FY 2013 Program Budget	$ 10,848

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.

Accomplishments

The Marine Corps initially 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 the Marine Corps subsequent aggressive pursuit of privatization, over 96 percent of the Marine Corps worldwide housing inventory (over 99 percent of the Marine Corps United States inventory) has now been privatized through the award of following eighteen (18) public-private venture projects:

Installation	**End-State Units**	**Date Awarded**
MCB Camp Pendleton, CA (Deluz)	712	Nov-00
Atlantic Marines III (MCAS Beaufort, SC; MCRD Parris Island, SC; NH Beaufort, SC)	1,718	Mar-03
Camp Pendleton 2+ I (MCB Camp Pendleton, CA; MCRD San Diego, CA; MWTC Bridgeport (Coleville Housing); MCB Quantico VA)	4,536	Oct-03
Camp Pendleton 2+ II (MCAS Yuma, AZ; MCB Camp Penelton, CA)	897	Oct-04
Atlantic Marines I (MCB Camp Lejeune, NC; MCAS New River, NC; MCAS Cherry Point, NC; Stewart, NY)	3,124	Oct-05
Camp Pendleton 2+ III (MCAGCC Twentynine Palms, CA; MOBCOM Kansas City, MO)	1,488	Sep-05
Atlantic Marines II (MCB Camp Lejeune, NC; MCAS New River, NC; MCAS Cherry Point, NC)	1,186	Sep-06
Camp Pendleton 2+ IV (MCB Camp Pendleton, CA)	3,160	Sep-06
Hawaii Regional II (MCB Hawaii, Phase 1)	1,175	Sep-06
Atlantic Marines III (MCB Camp Lejeune, NC; MCAS Cherry Point, NC; Westover JARB; Chicopee, MA)	2,031	Sep-07
Camp Pendleton 2+ V (MCLB Albany, GA; MCB Camp Pendleton, CA)	253	Sep-07
Hawaii Regional IV (MCB Hawaii, Phase 2)	917	Sep-07
Mid-Atlantic III (MCB Camp Lejeune, NC Phase 4)	260	Dec-09
Camp Pendleton 2+ VI (MCAGCC Twentynine Palms, CA)	139	Jan-10
Cam Pendleton 2+ VII (MCB Camp Pendleton, CA)	172	Jan-10
Mid-Atlantic IV ((MCB Camp Lejeune, NC Phase 5)	300	Sep-10
Camp Pendleton 2+ VIII (MCAGCC Twentynine Palms, CA)	600	Sep-10
Hawaii Regional V (MCB Hawaii, Phase 3)	224	Sep-10

The Marine Corps has four (4) additional projects, totaling over 900 homes. We plan to award our FY10 Camp Lejeune Phase 6 project in March 2013. The three remaining projects are under review to account for force structure reductions and local housing markets adjustments. New market analyses were completed in late 2012. As a result of the requirements review we will proceed with a project as budgeted, rescope the project as necessary, or cancel the project if it is determined to be unnecessary. Appropriate Congressional notifications will be provided in all cases. Details for these projects are addressed in the tables that follow.

Progress

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.

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, indicates 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 its' 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 resulting in a 9 percent reduction in electricity usage at these locations in the first year of the pilot. Efforts to implement the RECP for electricity usage in all Marine Corps privatized housing commenced in 2012.

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2014

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	
Nov-00	**Camp Pendleton I (Deluz)**	**512**	**712**	10.000	FY96	FHNC	MCB Camp Pendleton H-318	#1, #4 and 10 USC 2872a, 2880, 2881, 2882(c), 2883
	MCB Camp Pendleton, CA	512	712	9.406	FY96	FHNC	MCB Camp Pendleton H-364	
Oct-03	**Camp Pendleton 2+ PH I**	**4,631**	**4,536**	0.621	FY00	FHIMP	MCAS Beaufort BE-H-9601-R2	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	3,205	3,283	0.885	FY00	FHNC	NPWC Pearl Harbor	
	MCRD San Diego, CA	5	5	0.061	FY01	FHIMP	MCAS Beaufort BE-H-9601-R2	
	MCMWTC Bridgeport CA	110	111	0.307	FY01	FHIMP	MCB Camp Pendleton PE-H-0020-M2	
	MCB Quantico, VA	1,311	1,137	0.332	FY01	FHIMP	MCAS Cherry Point CP-H-0110-M2	
				0.034	FY01	FHIMP	MCAS Iwakuni, JA IW-H-9502-R2	
				1.068	FY01	FHIMP	MCAS Iwakuni, JA IW-H-9901-R2	
				0.226	FY01	FHIMP	MCAS Iwakuni, JA IW-H-0001-R2	
				0.519	FY01	FHIMP	MCAS Iwakuni, JA IW-H-9902-R2	
				0.873	FY01	FHIMP	MCAS Iwakuni, JA IW-H-0201-R2	
				0.327	FY01	FHIMP	MCRD Parris Island PI-H-9602-M2/PI-H-9603-R2	
				1.014	FY01	FHIMP	MCAGCC Twentynine Palms TP-H-701-M2	
				6.921	FY02	FHNC	MCB Quantico H-557	
				14.571	FY02	FHIMP	MCB Camp Pendleton PE-PPV	
				41.515	FY03	FHNC	MCB Quantico H-620	
				1.388	FHIF	FHNC	MCB Camp Pendleton	
Oct-04	**Camp Pendleton 2+ PH II**	**897**	**897**	0.728	FY01	Design	Various	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAS Yuma, AZ	821	821	0.960	FY01	Design	Various	
	MCB Camp Pendleton, CA	76	76	0.728	FY02	Design	Various	
				2.537	FY02	Design	Various	
				0.143	FY02	FHIMP	NAS Pensacola	
				0.904	FY03	Design	Various	
				12.654	FY04	FHIMP	MCAS Yuma YU-H-0401	
Oct-05	**Camp Pendleton 2+ PH III**	**1,801**	**1,488**	25.702	FY05	FHIMP	MCAGCC 29 Palms TP-H-0501	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	1,567	1,411	20.238	FY05	FHIMP	MCRSC Kansas City KC-H-0501	
	MOBCOM Kansas City, MO	234	77					
Sep-06	**Camp Pendleton 2+ PH IV**	**2,771**	**3,160**	0.069	FY03	FHIMP	MCAS Yuma YU-H-0124-M2	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	2,771	3,160	0.553	FY03	FHIMP	MCAS Iwakuni IW-H-0302-R2	
				0.142	FY03	FHIMP	MCAS Iwakuni IW-H-0304-R2	
				21.724	FY03	FHNC	NAS Lemoore H-543	
				0.084	FY06	FHIMP	MCB Hawaii HI-H-0601	
				8.316	FY06	FHIMP	MCB Camp Pendleton PE-H-0601	

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2014

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	
Sep-07	**Camp Pendleton 2+ PH V**	**250**	**253**	19.564	FY07	FHIMP	MCB Camp Pendleton PE-H-0701	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	143	1.777	FY04	FHNC	MCAS Cherry Point H-608	
	MCLB Albany, GA	250	110	0.724	FY04	FHIMP	MCAS Iwakuni, JA IW-H-0303-R2	
				1.660	FY04	Design	Various	
Jan-10	**Camp Pendleton 2+ PH VI**	**0**	**139**	50.000	FY08	FHIMP	MCAGCC 29 Palms TP-H-0801	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	0	139	1.074	FY08 GWOT	FHIMP	MCAGCC 29 Palms TP-H-0802	
Jan-10	**Camp Pendleton 2+ PH VII**	**0**	**172**	25.175	FY08	FHIMP	MCB Camp Pendleton PE-H-0801	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	172	25.000	FY08	FHIMP	MCB Camp Pendleton PE-H-0802	
				10.692	FY08 GWOT	FHIMP	MCB Camp Pendleton PE-H-0803	
Sep-10	**Camp Pendleton 2+ PH VIII**	**0**	**600**	49.600	FY09	FHIMP	MCAGCC 29 Palms TP-H-1001	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCAGCC 29 Palms, CA	0	600					
TBD	**Camp Pendleton 2+ PH IX**	**0**	**231**	59.026	FY09	FHIMP	MCB Camp Pendleton PE-H-0901	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	231					
TBD	**Camp Pendleton 2+ PH X**	**0**	**130**	26.695	FY11	FHIMP	MCB Camp Pendleton PE-H-1101	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Pendleton, CA	0	130	6.600	Proceeds	Land Sale	MCLB Albany	
Oct-05	**Atlantic Marines PH I (CLCPS Phase I)**	**3,350**	**3,124**	27.002	FY05	FHNC	MCAS Cherry Point H-609	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	2,137	2,227	56.165	FY05	FHIMP	MCB Camp Lejeune LE-H-0501	
	MCAS Cherry Point, NC	591	466					
	MCAS New River, NC	323	260					
	Stewart ANGB, NY	299	171					
Sep-06	**Atlantic Marines PH II (CLCPS Phase II)**	**1,427**	**1,186**	37.303	FY06	FHIMP	MCB Camp Lejeune LE-H-0601	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	539	539	0.250	FY03	Design	MCAS Cherry Point	
	MCAS Cherry Point, NC	778	558	0.377	FY06	FHIMP	MCB Hawaii HI-H-0601	
	MCAS New River, NC	110	89					
Sep-07	**Atlantic Marines PH III (CLCPS Phase III)**	**2,440**	**2,031**	78.951	FY07		MCB Camp Lejeune LE-H-0701	#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 2014

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	
Mar-03	**Atlantic Marines PH III (CLCPS Phase IV) (Tri-Command Communities)**	**1,558**	**1,718**	14.000	FY97	FHNC	MCAS Beaufort H-365	#2, #4 and 10 USC 2872a, 2880, 2881, 2882(c), 2883
	MCAS Beaufort, SC	1,275	1,405	0.200	FY02	FHIMP	MCAS Beaufort BE-H-9601-R2	
	MCRD Parris Island, SC	230	260	2.980	FY02	FHIMP	MCRD Parris Island PI-H-9602-M2/PI-H-9603-R2	
	NH Beaufort, SC	53	53	4.906	FY02	FHIMP	MCRD Parris Island PI-H-0001-M2	
				2.000	FY01	FHNC	NS Pearl Harbor HI H-381	
				2.410	FY01	FHNC	NS Pearl Harbor HI H-591	
Mar-13	**Atlantic Marines PH IV (CLCPS PH IV)**	**1**	**1**	78.857	FY10	FHIMP	MCB Camp Lejeune LE-H-1001	#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-09	**Mid-Atlantic Regional PH III**	**0**	**260**	87.951	FY08	FHIMP	MCB Camp Lejeune LE-H-0801	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	0	260					
Sep-10	**Mid-Atlantic Regional PH IV**	**0**	**300**	81.987	FY09	FHIMP	MCB Camp Lejeune LE-H-0901	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Camp Lejeune, NC	0	300					
TBD	**MCB Camp Lejeune, NC PH 7**	**0**	**220**	79.748	FY11	FHIMP	MCB Camp Lejeune LE-H-1101	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
Sep-06	**Hawaii Regional PH II**	**1,175**	**1,175**	65.124	FY06	FHIMP	MCB Hawaii HI-H-0601	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI	1,175	1,175					
Sep-07	**Hawaii Regional PH IV**	**1,142**	**917**	56.052	FY07	FHIMP	MCB Hawaii HI-H-0701	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI	1,142	917					
Sep-10	**Hawaii Regional PH V**	**0**	**224**	60.000	FY-09	FHIMP	MCB Hawaii HI-H-1201	#2, #4 and 10 USC 2872a, 2880, 2881, 2883
	MCB Hawaii, HI	0	224					
Grand Totals		**21,955**	**23,474**	**1,199.400**				

DEPARTMENT OF THE NAVY, MARINE CORPS
FH-6 Family Housing Privatization
Fiscal Year 2014

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 2011, 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"

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 2014 BUDGET ESTIMATE
JUSTIFICATION
MARINE CORPS

PRIVATIZATION SUPPORT COSTS

Reconciliation of Increases and Decreases

	(Dollars in Thousands)	
1. FY 2013 President's Budget Request		10,848
2. FY 2013 Appropriated Amount		0
3. FY 2013 Current Estimate		10,848
4. Price Growth:		120
a. Inflation	120	
5. Program Increases		422
a. Labor Redistribution from the Management Account	422	
6. Program Decreases		(467)
a. Decreased Level of New MHPI Starts	(467)	
7. FY 2014 President's Budget Request		10,923

RATIONALE FOR CHANGES IN THE PRIVATIZATION SUPPORT ACCOUNT

Price Growth in the Privatization Support account is due to Inflation adjustments. The Program Increase is for a Labor Redistribution from the Management Account to reflect decreased referral efforts and increased privatization oversight and monitoring efforts. This includes oversight and monitoring of the Marine Corps Resident Energy Conservation Program (RECP) currently being implemented. The RECP is designed to incentivize energy conservation by the residents, reduce electric costs, and save funds for sustainment and improvement of privatized homes, playgrounds, community centers and overall quality of life of our Marines, Sailors, and their families. The Program Decrease is associated with reduced level MHPI project awards.

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Tab:
Foreign Currency

FOREIGN CURRENCY EXCHANGE DATA
FY 2014 BUDGET SUBMISSION
($000)

Appropriation: Family Housing, Navy

Country	FY 2012 U.S. $ Requiring Conversion	FY 2012 Budget Exchange Rate Used	FY 2013 U.S. $ Requiring Conversion	FY 2013 Budget Exchange Rate Used	FY 2014 U.S. $ Requiring Conversion	FY 2014 Budget Exchange Rate Used
FHCON						
Japan (Yen)*	54,351.0	91.2524	21,899.0	82.4035	21,526.0	81.7098
Spain (Euro)*	12,652.0	0.7491	0.0	0.7241	0.0	0.7259
SUBTOTAL - FHCON	**67,003.0**		**21,899.0**		**21,526.0**	
FHOPS						
Greece (Euro)*	1,049.0	0.7491	941.0	0.7241	1,179.0	0.7259
Italy (Euro)*	55,318.0	0.7491	63,203.0	0.7241	62,264.0	0.7259
Japan (Yen)*	84,041.0	91.2524	82,081.0	82.4035	95,367.0	81.7098
Norway (Krone)*	0.0	6.0905	84.0	5.9362	86.0	5.8662
Portugal (Euro)*	332.0	0.7491	283.0	0.7241	403.0	0.7259
South Korea (Won)*	612.0	1,099.5183	729.0	1,095.1635	767.0	1,140.7859
Singapore (Dollar)*	5,442.0	1.4246	6,375.0	1.3313	6,275.0	1.3155
Spain (Euro)*	13,036.0	0.7491	14,437.0	0.7241	16,818.0	0.7259
SUBTOTAL - FHOPS	**159,830.0**		**168,133.0**		**183,159.0**	
TOTAL FH,N	**226,833.0**		**190,032.0**		**204,685.0**	

*** = Countries in the Foreign Currency Account.**

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FOREIGN CURRENCY EXCHANGE DATA
FY 2014 BUDGET SUBMISSION
($000)

Appropriation: Family Housing, Marine Corps

	FY 2012		FY 2013		FY 2014	
Country	U.S. $ Requiring Conversion	Budget Exchange Rate Used	U.S. $ Requiring Conversion	Budget Exchange Rate Used	U.S. $ Requiring Conversion	Budget Exchange Rate Used
Japan (Yen)* FHCON	25,624.0	91.2524	19,425.0	82.4035	24,156.0	81.7080
Japan (Yen)* FHOPS	6,317.0	91.2524	8,089.0	82.4035	13,056.0	81.7080
TOTAL	**31,941.0**		**27,514.0**		**37,212.0**	

*** = Countries in the Foreign Currency Account.**

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