



# **SAME Orange County Federal Business Opportunities Symposium**

**Keith Hamilton, PE  
CAPT, CEC, USN  
Commanding Officer, NAVFAC SW**

*19 Nov 2009*

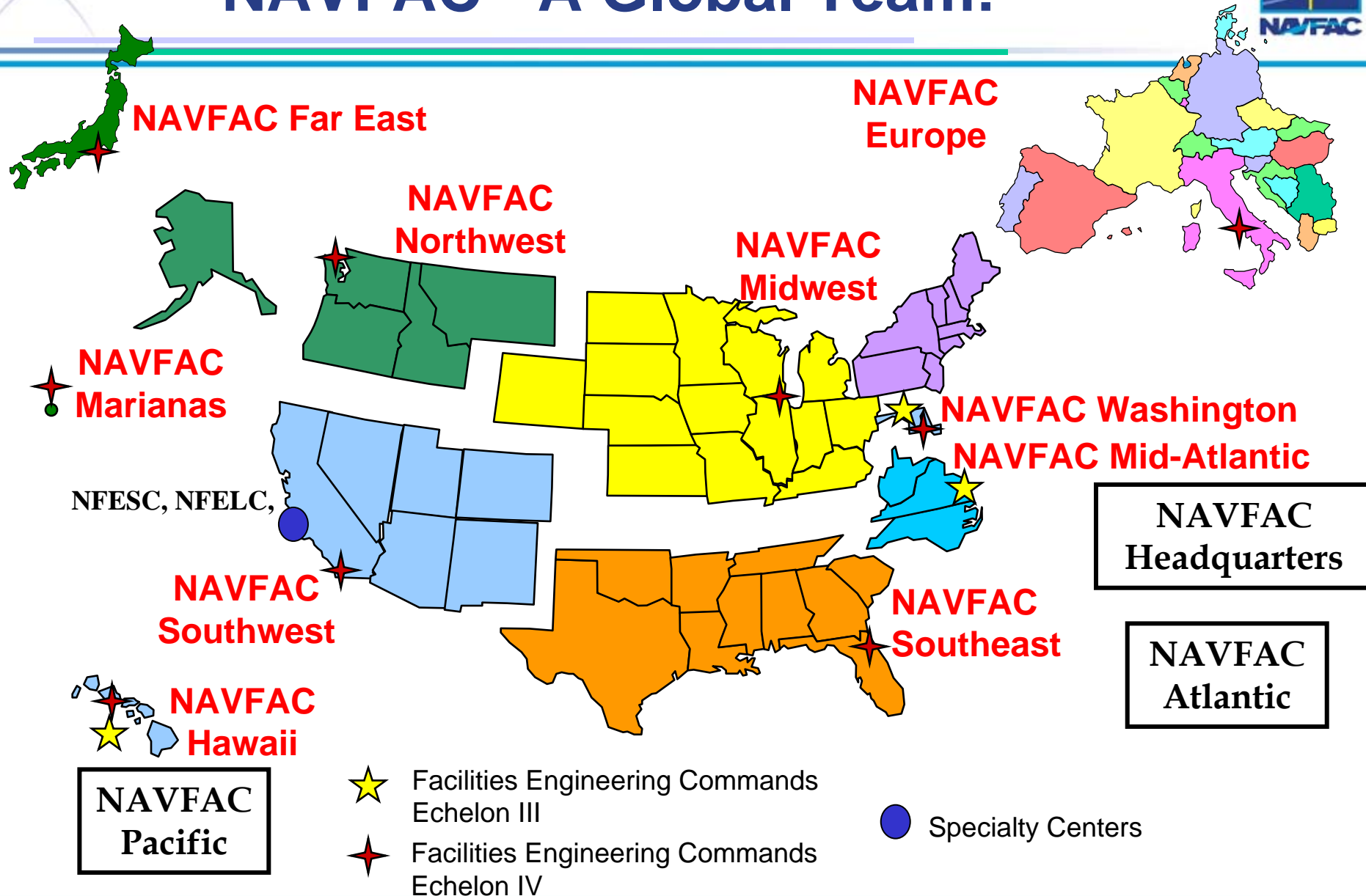
# The NAVFAC SW Mission



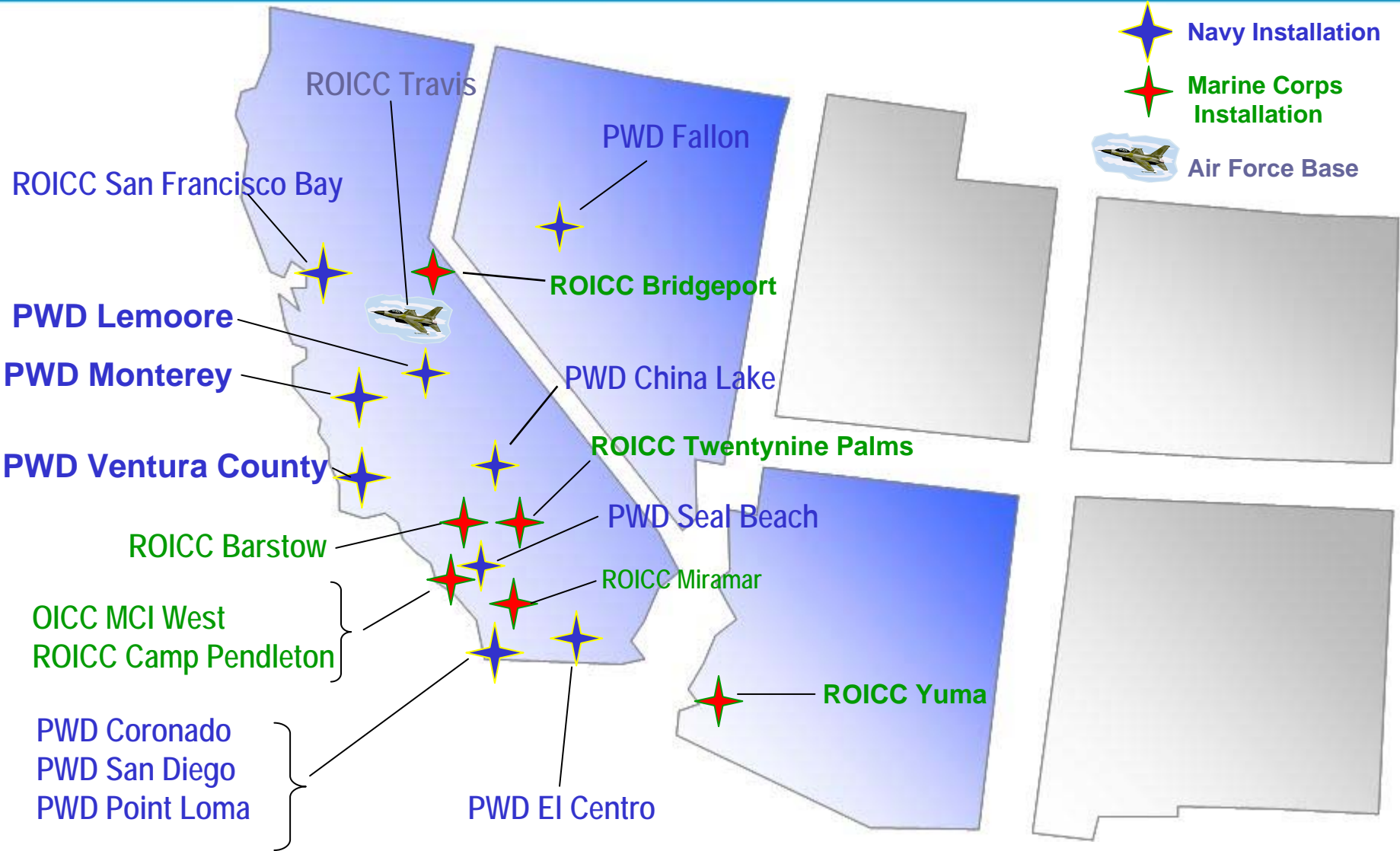
**Provide facilities acquisition, installation engineering/support and Seabee/contingency engineering services to the Navy, Marine Corps and other Department of Defense and federal agencies**



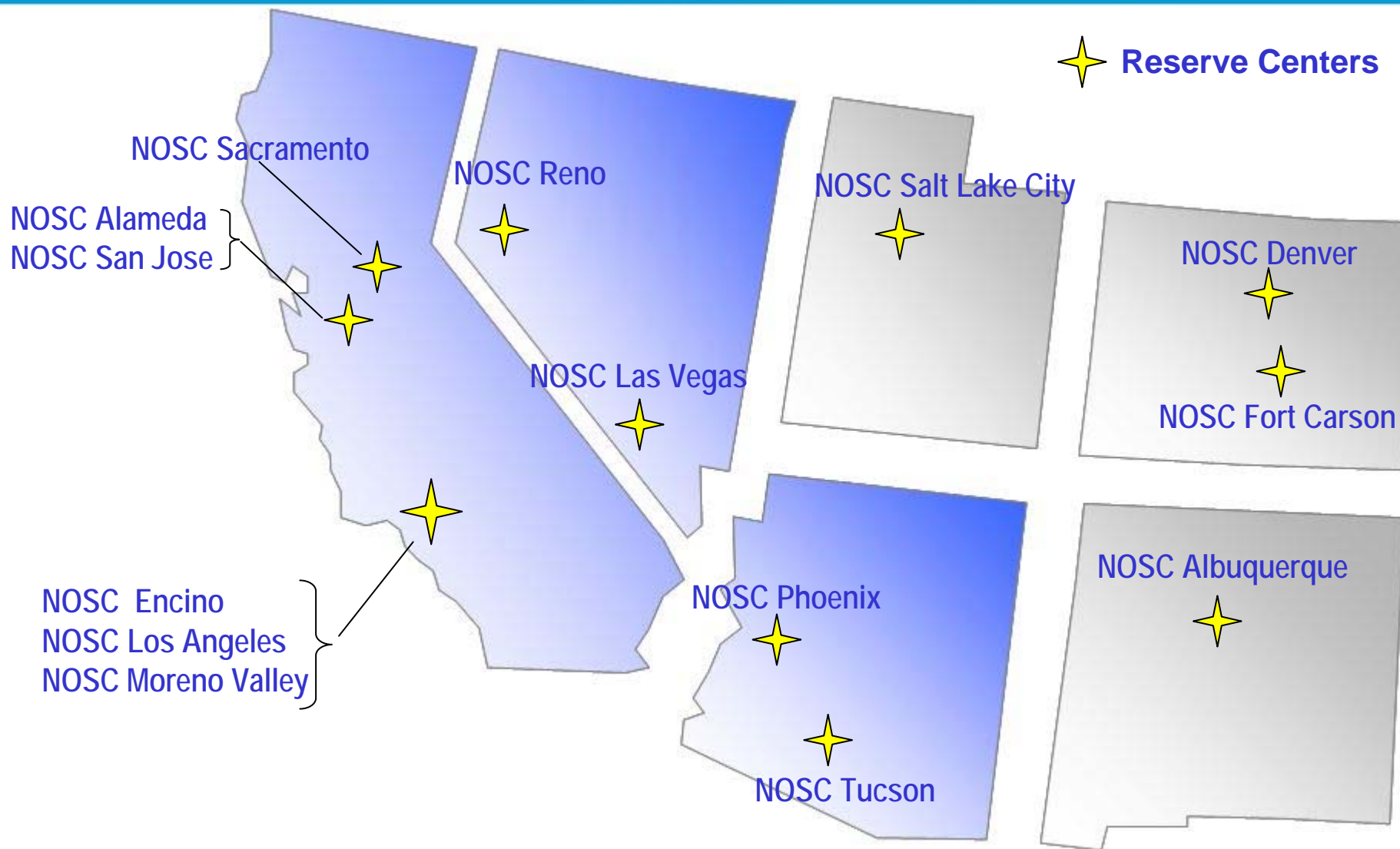
# NAVFAC - A Global Team!



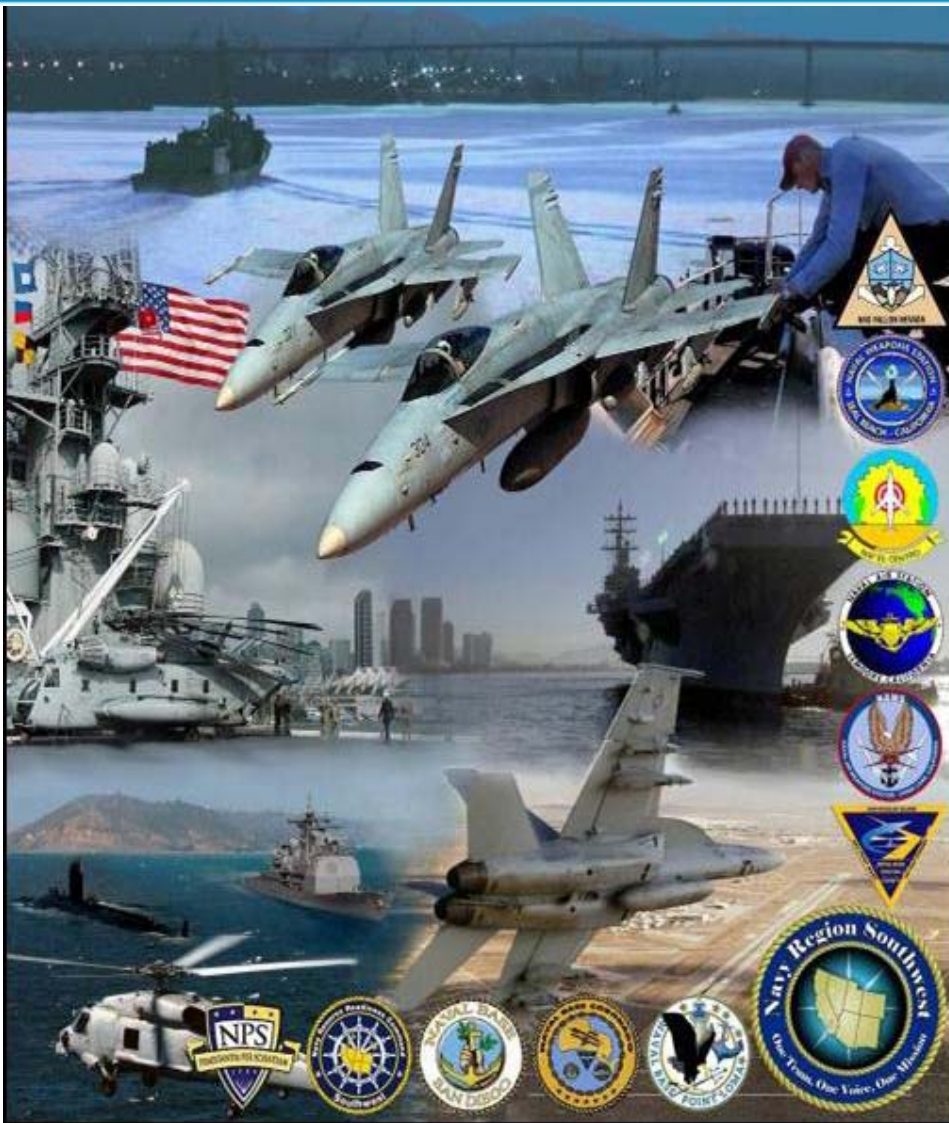
# NAVFAC SW Area of Responsibility



# NAVFAC SW Area of Responsibility



# Supporting the Navy and Marine Corps Team



## CNRSW Footprint

Plant Replacement Value (PRV)	\$27.1B
Land Acreage	1,533,681

## Facilities:

Total Buildings	11,329
Total Runways	18 (36 Approaches)
Total Piers	57

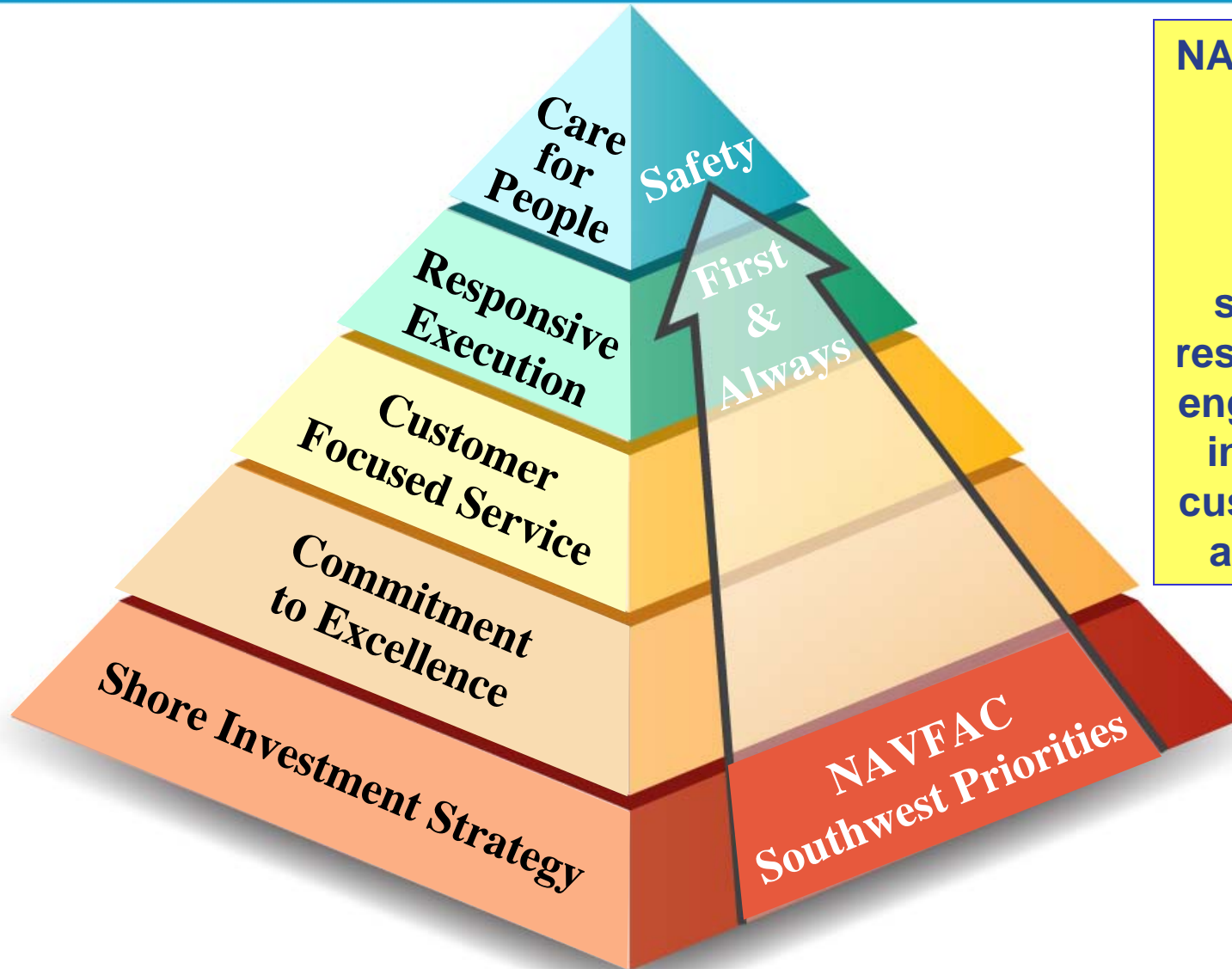
## DoD in San Diego

Active Duty	105,500
DoD Employees	149,911
DoD Retirees	88,000
Total Economic Impact	24.6 Billion Annually
FY10 Facilities Contracts	3.1 Billion

27% of the jobs in San Diego area attributed to DoD

Source: 2008 SDMAC Economic Impact Assessment

# NAVFAC SW COMMAND PRIORITIES



NAVFAC Southwest is a team of professionals committed to excellence in safely providing responsive facilities engineering service in support of our customer's mission accomplishment

# Major Products & Services



## •Capital Improvements

(John Coon - [John.coon@navy.mil](mailto:John.coon@navy.mil) (619) 532-2649)

- Construction
- Design A&E
- Design In-House
- Specialized Technical Services
- Ocean Engineering

## •Environmental

(Bob Kirkbright - [Robert.k.kirkbright@navy.mil](mailto:Robert.k.kirkbright@navy.mil) (619) 532-1390)

- Environmental Planning/NEPA
- Environmental Compliance & Conservation
- Environmental Restoration

## •Public Works

(Ron Plaseied - [shahraam.plaseied@navy.mil](mailto:shahraam.plaseied@navy.mil) (619) 532-3680)

- Facility Sustainment
- Utility and Energy Management
- Base Support Vehicles & Equipment
- Facility Services

## •Asset Management

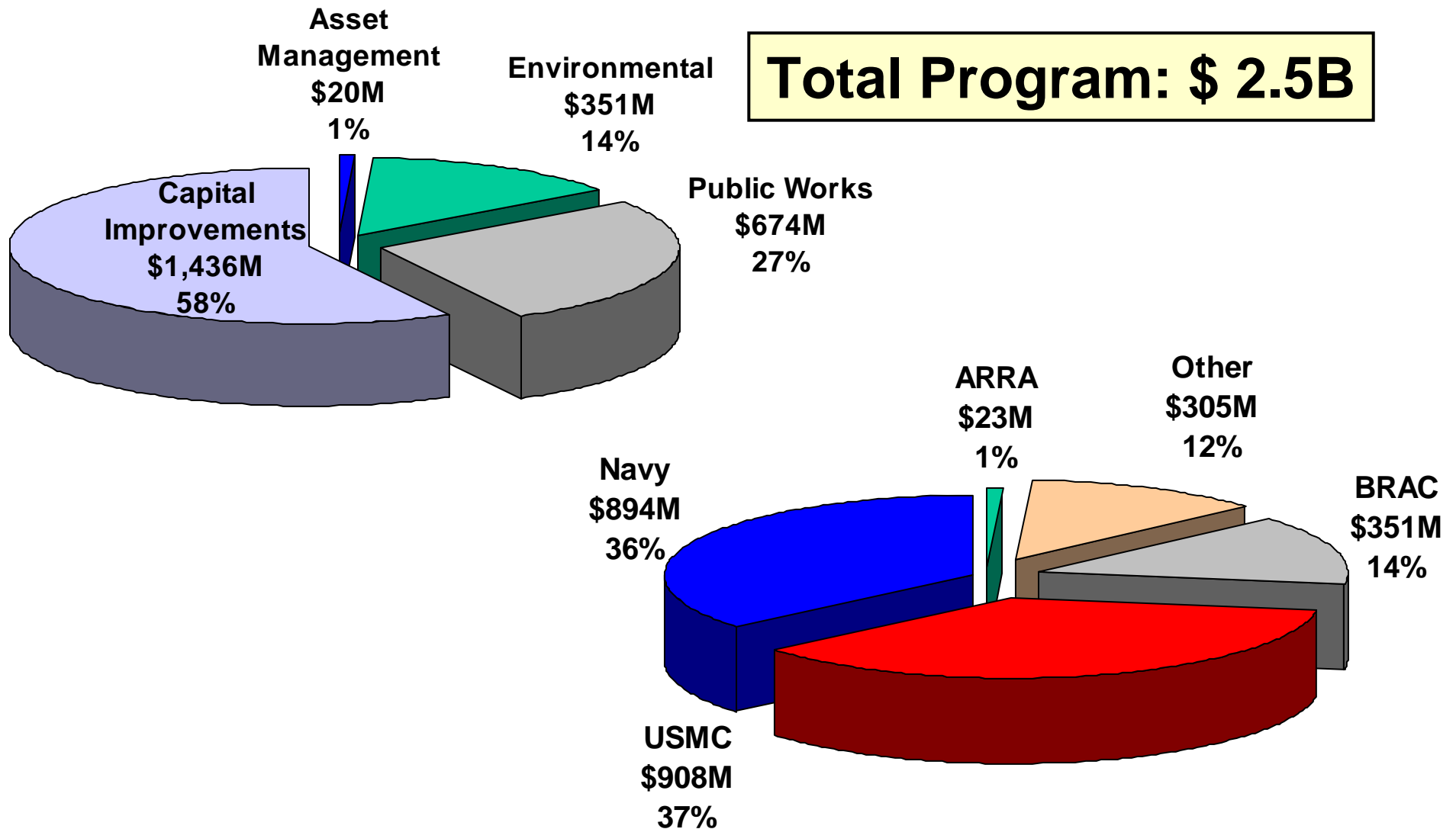
(Aguilera, Susanah - [susanah.aguilera@navy.mil](mailto:susanah.aguilera@navy.mil) (619) 532-3736)

- Real Estate
- Land & Installation Planning
- Facilities Planning
- Encroachment Management
- Facilities Integrated Logistics Support
- Real Property Acq, Mgmt & Disposal

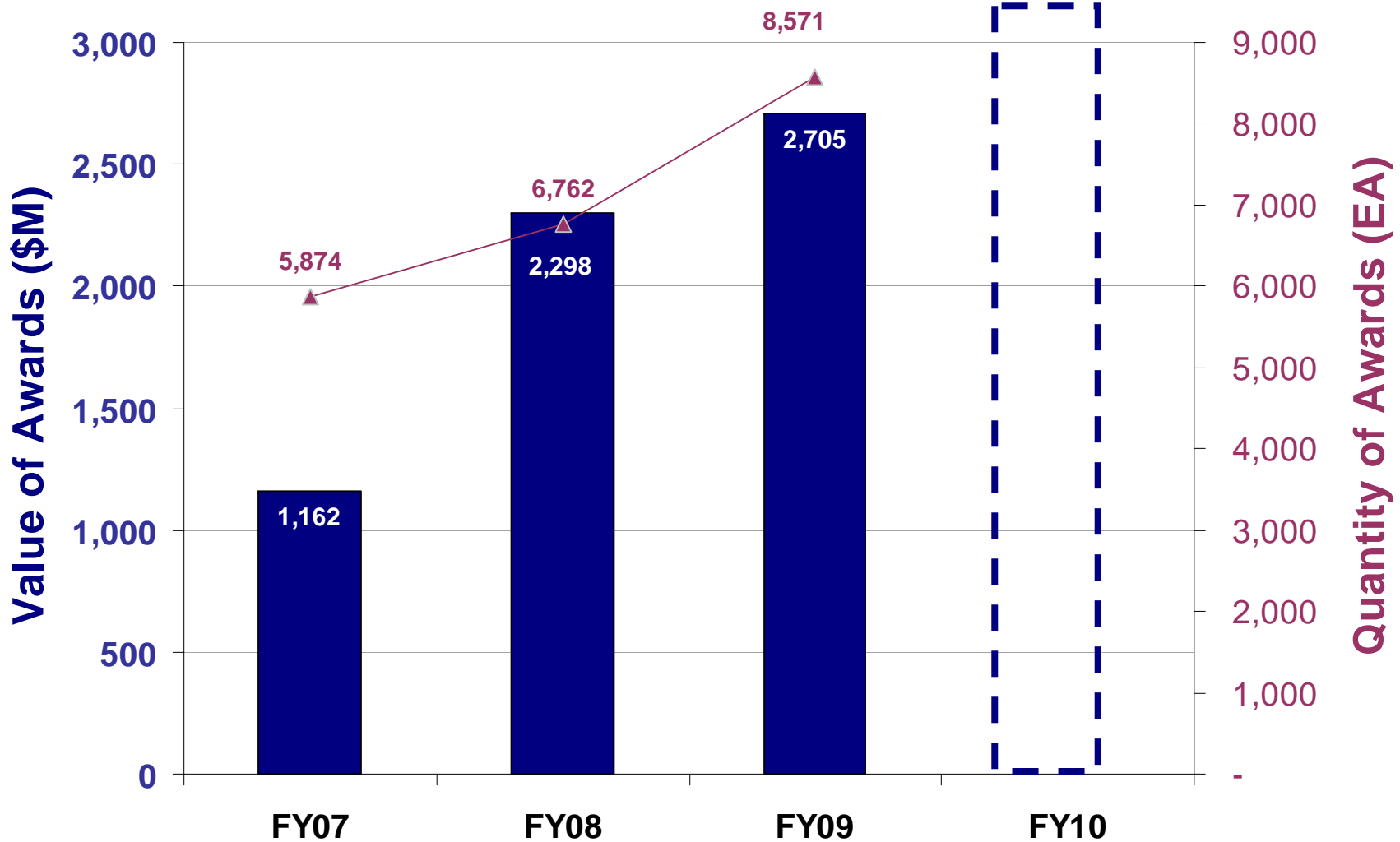
# NAVFAC SW Business Volume (FY-09)



**Total Program: \$ 2.5B**



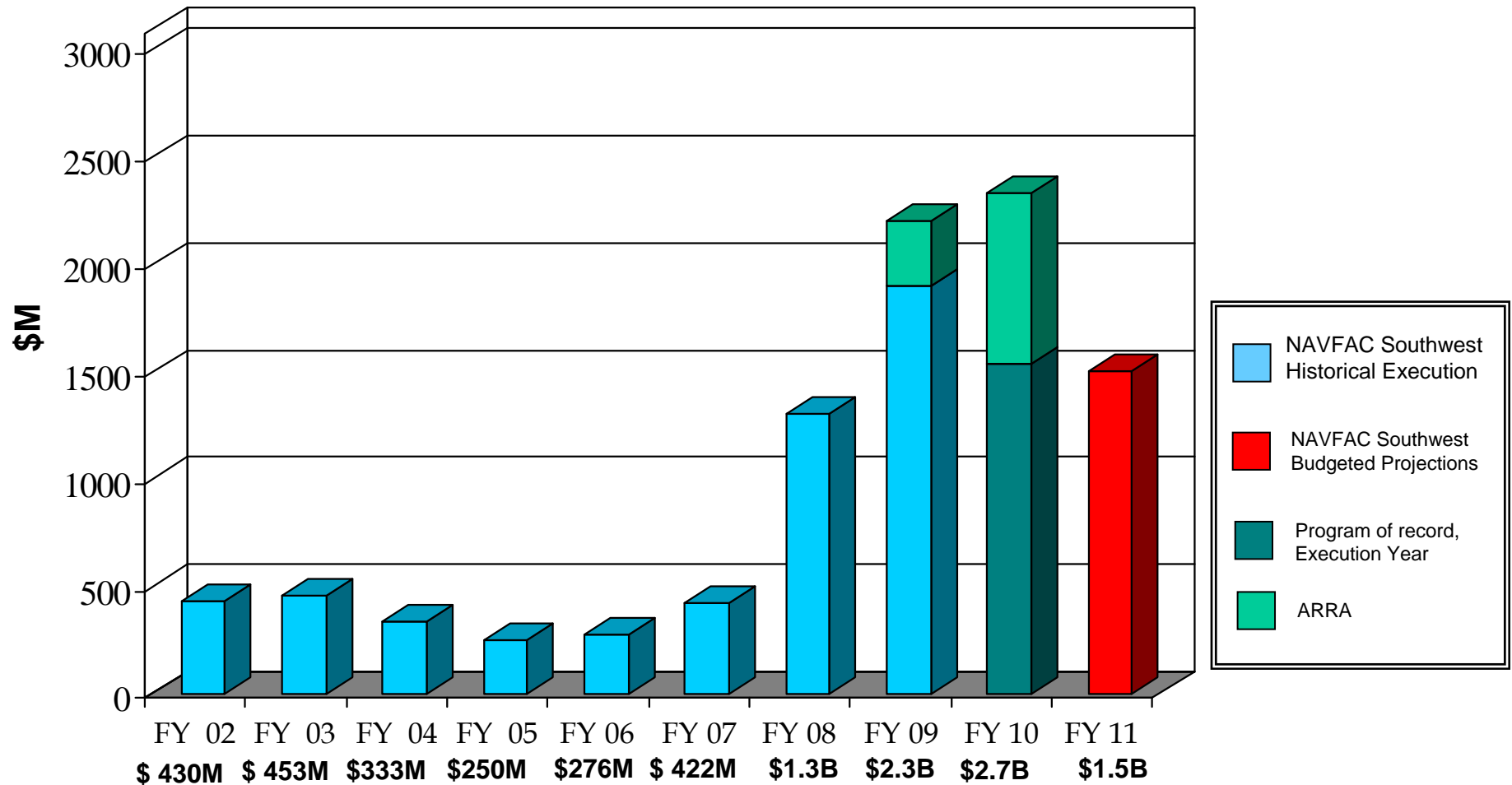
# Contract Actions/Value of Awards FY 07-09



# Capital Improvements



## NAVFAC SW MILCON Program

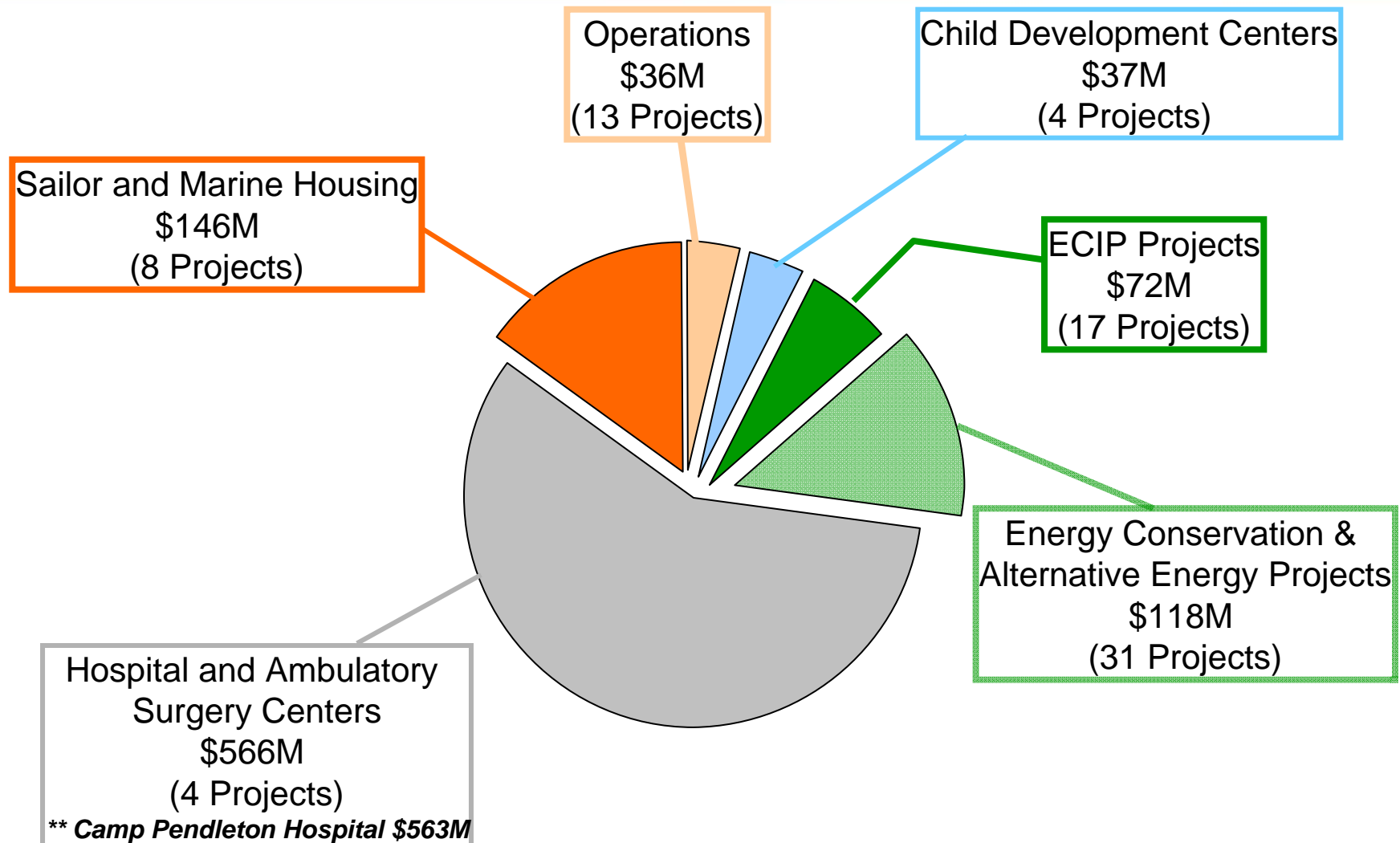


# Capital Improvements



- **Large Multi-Year Programs:**
  - Marine Corps Grow the Force (FY07-11, 50+ proj, \$4B)
  - Marine Barracks Recapitalization (FY08-11, 42 proj, \$1.4B)
  - Base Realignment & Closure (FY07-10, 31 proj, \$325M)
- **American Recovery & Reinvestment Act (ARRA) (FY09-10, 77 proj, \$976M)**
  - Includes new hospital at Camp Pendleton, \$563M
- **New/Planned Regional Multiple Award Construction Contracts (MACC)**
  - So Cal Commercial/Industrial (\$900M over 5 yrs, \$7M - \$30M TO)
  - Wet Utilities (\$300M over 5 yrs, \$500K - \$20M TO)
  - Dry Utilities (\$300M over 5 yrs, \$500K - \$20M TO)
- **Regional AE IQ Contracts**
  - Structural (\$20M over 5 yrs, <\$3.5M TO)
  - Civil & Structural (\$30M over 5 yrs, >\$200K & >\$400K respectively)

# American Recovery & Reinvestment Act



# American Recovery & Reinvestment Act



## MILCON

Program Title	# Projects	Programmed Amt (\$000)
Child Development Centers	4	37,358
ECIP Projects	17	71,813
Hospital and Ambulatory Surgery Centers	1	563,100
Sailor and Marine Housing	2	95,176
<b>Grand Total</b>	<b>24</b>	<b>767,447</b>

## Operations & Maintenance

Program Title	# Projects	Programmed Amt (\$000)
BEQ	6	51,254
Energy	31	118,206
Medical	3	2,770
Operations	13	36,214
<b>Grand Total</b>	<b>53</b>	<b>208,444</b>

# ARRA – Camp Pendleton Hospital



- **498,023 GSF Naval Hospital**
  - Emergency care      -- Inpatient services
  - Outpatient clinics    -- Ancillary services
  - Surgical services     -- Logistics & other medical
  
- **\$563,100,000 TMA MILCON**
  
- **NEPA in Progress**
  
- **Design-Build RFP being developed**
  
- **Goal: Award Sep 2010**



# Where to Find ARRA List



NAVFAC

- About Us
- Organization
  - NAVFAC Worldwide
    - Headquarters
    - NAVFAC Atlantic
    - NAVFAC Pacific
    - Specialty Centers
- Document Library
- Contact Us
- Sea

NAVFAC

- Employment
  - Join NAVFA
  - Internships
  - New Employ
- Businesses
  - Partner With Us
  - Small Business
  - Contracting Information
- Media Center
  - News Releases
  - Press Contacts



NAVFAC > NAVFAC Worldwide > Headquarters > Chief Engineer

About Us | Products and Services | Awards | Resources | Contact Us | Job Opportunities

## Capital Improvements and the Chief Engineer

Business Line

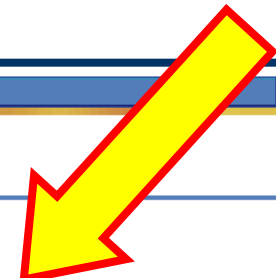


[American Recovery and Reinvestment Act \(ARRA\)](#)  
Navy Project List

Doing Business with NAVFAC

Welcome to the Home Page of the Chief Engineer and Capital Improvements Business Line. We have an active program in support of the Navy and its broad-based mission. The Chief Engineer is the final technical authority for the Navy, and provides the highest level of interdisciplinary engineering consultation, guidance, expertise, and continuity in the Command. The Chief Engineer provides the Naval Facilities Engineering Command (NAVFAC) and its customers leadership, expertise, management, and specialized services for the following:

- Development and implementation of engineering concepts, practices, programs and advanced technologies for improvement of design, construction, and facilities management activities
  - NAVFAC 2007 Design Awards Program
- Associated strategic liaison necessary for the accomplishment of the above
- Development of policy and guidance, and providing advice and technical assistance to all of NAVFAC. These policies are in keeping with laws, regulations, and higher-level policy requiring responsible engineering practices that ensures that facilities designs meet appropriate standards of health, safety and engineering criteria.
- Professional engineering community management



Joseph E. Gott, P.E.  
Chief Engineer

# FY10 Military Construction



Project Type	Project Location	# Projects	Programmed Amt \$(000)
BEQ	MCAGCC TWENTYNINE PALMS	2	\$74,580
	MCB CAMP PENDLETON	3	\$116,130
Pavement	MCAGCC TWENTYNINE PALMS	1	\$29,360
	MCAS CAMP PENDLETON	1	\$12,240
	MCAS MIRAMAR	1	\$9,280
	NAWS CHINA LAKE	1	\$3,007
RDT&E	NAWS CHINA LAKE	2	\$9,130
Trng & Operations	MCAGCC TWENTYNINE PALMS	7	\$95,390
	MCAS CAMP PENDLETON	1	\$13,560
	MCAS YUMA	1	\$27,050
	MCB CAMP PENDLETON	9	\$307,732
	MCLB BARSTOW	1	\$14,130
	MCRD SAN DIEGO	1	\$23,590
	NAS EL Centro	2	\$21,986
	NAS LEMOORE	1	\$5,960
	NAVSTA PT LOMA	2	\$101,030
	NBVC	1	\$3,000
	TRAVIS AFB	2	\$22,257
	Utilities	MCAGCC TWENTYNINE PALMS	11
MCAS YUMA		1	\$1,720
MCB CAMP PENDLETON		4	\$325,500
<b>Grand Total</b>		<b>55</b>	<b>\$1,535,442</b>

# FY10 Facility Sustainment, Restoration & Modernization Projects



Project Type	Project Location	# Projects	Estimated Cost (\$000)
BEQ	MCAGCC TWENTYNINE PALMS	2	\$750
	MCB CAMP PENDLETON	2	\$12,500
Pavement	MCAGCC TWENTYNINE PALMS	1	\$375
	MCAS YUMA	4	\$7,500
	NB San Diego	1	\$2,500
	MCB CAMP PENDLETON	2	\$2,500
Demolition	MCAS MIRAMAR	1	\$750
	MCRD SAN DIEGO	2	\$750
	MCB CAMP PENDLETON	1	\$375
	MCAGCC TWENTYNINE PALMS	1	\$375
Trng & Operations	MCAGCC TWENTYNINE PALMS	4	\$2,500
	MCAS CAMP PENDLETON	2	\$2,500
	MCAS YUMA	5	\$2,500
	MCB CAMP PENDLETON	10	\$12,500
	MCLB BARSTOW	3	\$2,500
	MCRD SAN DIEGO	5	\$10,000
	NB CORONADO	2	\$15,000
	MWT BRIDGEPORT	2	\$3,750
	MCAS MIRAMAR	4	\$7,500
Utilities	MCAGCC TWENTYNINE PALMS	7	\$7,500
	MCAS YUMA	4	\$2,500
	MCRD SAN DIEGO	1	\$750
	MCLB BARSTOW	1	\$750
	NB CORONADO	1	\$125
	NAS LEMOORE	1	\$2,500
	NB VENTURA	1	\$2,500
	MWT BRIDGEPORT	1	\$750
	MCB CAMP PENDLETON	17	\$45,000
<b>Grand Total</b>		<b>88</b>	<b>\$149,500</b>

# Where to Find MCON Construction Contract Award Status



- [www.navfac.navy.mil](http://www.navfac.navy.mil)
  - Under “Business Opportunities”
  - Other Opportunities (tab)
  - MILCON Solicitation & Award Forecast

MILCON Solicitation/Award Forecast									
FOR PLANNING PURPOSES ONLY									
This list is not, nor is it intended to be a prediction of what military construction projects may ultimately be collocated. Projects may not be approved, and project specifics may vary prior to solicitation and/or award. Projects not included on this list may be collocated. Dates shown are for advance planning only. See FEDBIZOPS for actual solicitations.									
Acquisition Method Abbreviation Definitions - BVSS: Best Value Source Selection, RFP - LP: Request For Proposal - Low Price & Past Performance, IFB/ICB: Invitation For Bid/International Competitive Bid									
Responsible Component	P number	Project Name	Activity Name	Design Method	Acquisition Tool	Acquisition Method	Programmed Amount	Projected Solicitation Date	Projected Award Date
NAVFAC Europe and SW Asia	PX85	WATER DISTRIBUTION LINE	NAVSTA ROTA SP	Design-Bid-Build	MAC - General	RFP - LP	\$5,100,000	24-Nov-2008	13-Jan-2009
NAVFAC Europe and SW Asia	907	AIRCRAFT MAINTENANCE HANGAR	CAMP LEMONIER DIBOUTI	Design-Build	Global Contingency Contract (GCC)	RFP - BVSS (One Step)	\$12,830,000	15-Dec-2008	20-Mar-2009
NAVFAC Europe and SW Asia	909	AIRCRAFT PARKING APRON	CAMP LEMONIER DIBOUTI	Design-Build	Global Contingency Contract (GCC)	RFP - BVSS (One Step)	\$15,250,000	15-Dec-2008	20-Mar-2009
NAVFAC Europe and SW Asia	910	TELECOM FACILITY	CAMP LEMONIER DIBOUTI	Design-Build	Global Contingency Contract (GCC)	RFP - BVSS (One Step)	\$3,330,000	15-Dec-2008	20-Mar-2009
NAVFAC Europe and SW Asia	925	WATERFRONT DEVELOPMENT PHASE 1	NAVSUPACT SAHRAIN	Design-Bid-Build	Stand Alone Construction Contract	RFP - BVSS (One Step)	\$35,500,000	18-Mar-2009	30-Jun-2009
NAVFAC Europe and SW Asia	411	FUEL STORAGE TANKS & PIPELINE REPLACEMENT	NAVSUPACT SOUDA BAY OR	Design-Bid-Build	Stand Alone Construction Contract	RFP - BVSS (One Step)	\$8,000,000	18-Mar-2009	30-Jun-2009
NAVFAC Europe and SW Asia	PX82	CHANNEL AND HARBOR DREDGING	NAVSTA ROTA SP	Design-Bid-Build	Stand Alone Construction Contract	IFB/ICB	\$34,000,000	21-Jun-2009	22-Oct-2009
NAVFAC Marianas	0103	RECONFIG INTERIOR GPOG #4 FLAG CIRCLE NIMITZ HILL	FWC GUAM	Design-Build	MAC - SA DB	RFP - BVSS (Two Step)	\$242,000	25-Jul-2008	28-Sep-2008
NAVFAC Mid-Atlantic	175	WEAPONS MAGAZINES RESP	NAE BRUNSWICK ME	Design-Build	MAC - SA DB	RFP - LP	\$8,220,000	17-Jan-2006	23-Mar-2006
NAVFAC Mid-Atlantic	691	CLF LAND ACQUISITION INC 1	NOLF WASHINGTON COUNTY NC	Land Acquisition	MAC - SA DB	RFP - BVSS (One Step)	\$15,000,000	31-May-2007	31-Aug-2007
NAVFAC Mid-Atlantic	135	CLF BACHELOR ENLISTED QUARTERS	MCAS CHERY POINT NC	Design-Build	Stand Alone Construction Contract	RFP - BVSS (Two Step)	\$30,100,000	11-Nov-2008	27-Mar-2009
NAVFAC Mid-Atlantic	112V	MARITIME SUBSURFACE SENSOR OPS FACILITY	NAVAL STATION NEWPORT RI	Design-Build	Stand Alone Construction Contract	RFP - BVSS (One Step)	\$15,320,000	12-Nov-2008	15-Apr-2009
NAVFAC Mid-Atlantic	223V	RENOVATE V47 FOR COMBAT CRAFT FACILITY	NAVSTA NORFOLK VA	Design-Build	MAC - Industrial	RFP - BVSS (One Step)	\$7,140,000	13-Nov-2008	31-Mar-2009
NAVFAC Mid-Atlantic	615	APRON EXPANSION, PHASE 1	MCB CAMP LEJEUNE NC	Design-Bid-Build	Stand Alone Construction Contract	RFP - BVSS (One Step)	\$8,630,000	13-Nov-2008	30-Mar-2009

- Updated monthly
- For planning purposes
- See FEDBIZOPS for actual solicitations

# Where to find MCON Budget Books



WLFISD002139      Unclassified

DoN Budget Materials - Microsoft Internet Explorer provided by NMCI

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Address **www.finance.hq.navy.mil/fmb/10pres/BOOKS.htm**

**Department of the Navy Budget Materials**

DoN FM&C Page | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Contact Webmaster

**DEPARTMENT OF THE NAVY SUMMARY**

- FY10 Budget Overview to the Press
- Budget Highlights Book
- Supporting Exhibits
- External Defense Links

**MILITARY PERSONNEL PROGRAMS**

- Military Personnel, Navy
- Military Personnel, Marine Corps
- Reserve Personnel, Navy
- Reserve Personnel, Marine Corps

**PROCUREMENT PROGRAMS**

- Aircraft Procurement, Navy
- Weapons Procurement, Navy
- Shipbuilding and Conversion, Navy
- Other Procurement, Navy
- Procurement Marine Corps
- Procurement of Ammunition, Navy and Marine Corps
- National Defense Sealift Fund
- Consolidated Spares and Repair Parts, Navy

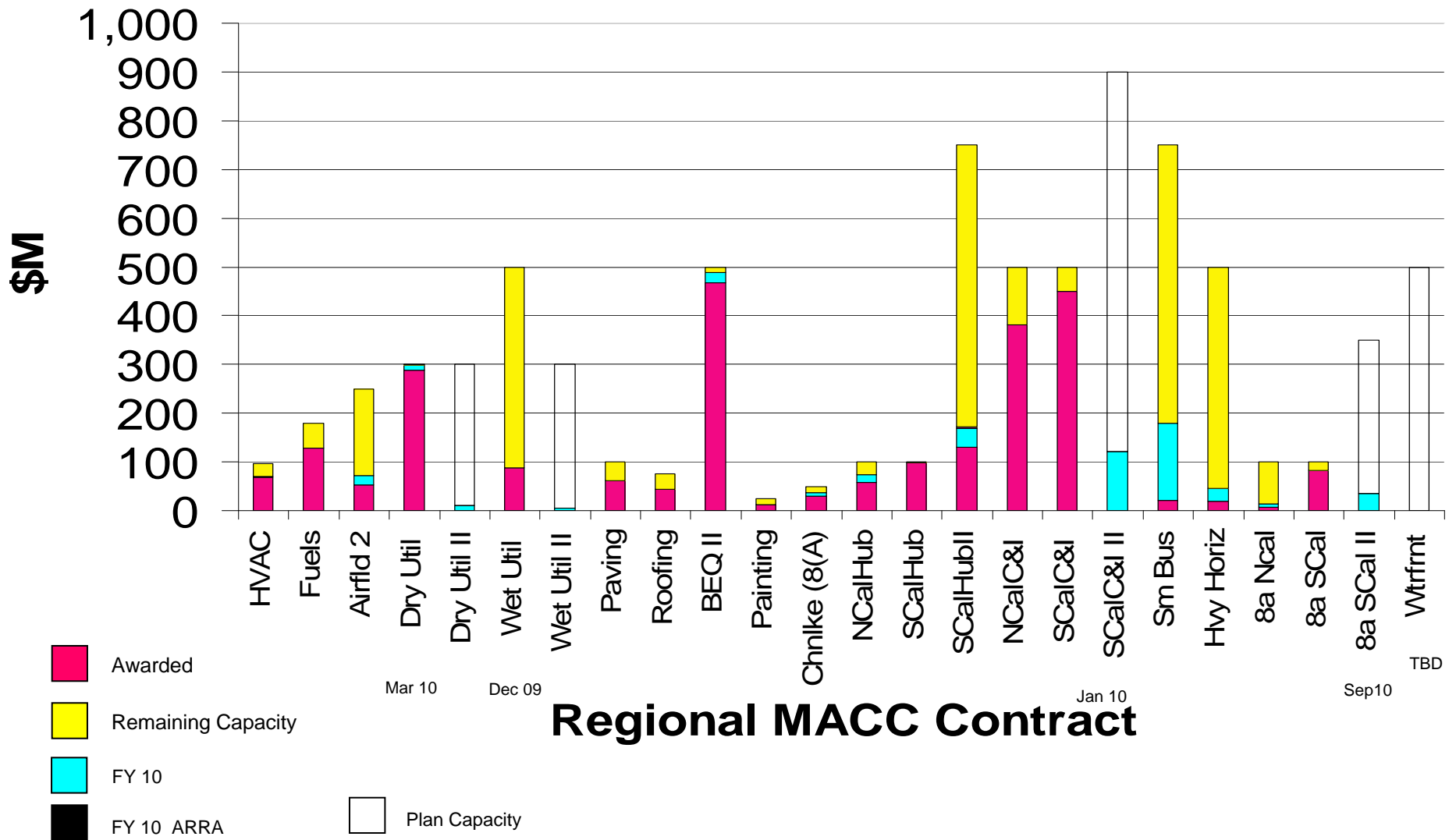
**CONSTRUCTION PROGRAMS**

- Base Closure & Realignment, IV
- Base Closure & Realignment, V
- Military Construction & Family Housing Programs
- Military Construction, Navy & Marine Corps
- Reserve Programs

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# Regional Construction Contract Acquisition Strategy



# Asset Management Workload



- **Current local IDIQ contracts:**

- \$10 M, 5 yr. GIS mapping contract Awarded 1/09
- \$40 M, 5 yr. Planning contract, awarded 8/08
- \$7.5 M, 5 yr. Planning contract, awarded 3/08

- **IDIQ typical types of projects in any given year:**

- Shore Infrastructure Plans: Regional, Activity, Master Plans.
- Misc. Studies: Facility siting analysis, Anti-Terrorism, Noise, Traffic/parking, Installation Appearance Plans, Base Exterior Architecture Plans
- Encroachment Action Plans (EAPs)
- Project documentation: DD1391s for MILCONs or other projects, Basic Facility Requirements (BFRs), Asset Evaluations (AEs)
- Cadastral and GIS mapping- Real Estate summary maps, GIS formatting
- Appraisal and Title Contracts

- **Potential future IDIQ contract:**

- Planning \$7.5M 5 yr, estimated award 12/10
- Planning \$ 40 M, 5yr, estimated award 12/10
- GIS/Mapping \$7.5M, estimated award 08/10

# Asset Management

## Real Estate Products and Services



**Real Estate Agreements ISO Navy and Marine Corps Bases** – Out-grants, in-grants, disposals, appraisals, surveys, property management, base closure

**Enhanced Use Leasing (EUL)** - Leverages government land and private developer expertise with debt placement for construction, repair and improvements, environmental restoration and maintenance services in exchange for entitlements.

**Agricultural Outgrant Leases** – Provide Contracting Officer authority for 11 Bases, 109 leases, 104,496 Acres, generating \$4,822,371 in annual revenue

- NAS Fallon
- NAS Lemoore
- NWS Seal Beach
- NAF El Centro
- MCB Camp Pendleton

**Encroachment Protection (EP)** – Program focuses on systematic encroachment identification, quantification and prevention. Partnerships created for the purpose of acquiring restrictive use easements to create protective buffer zones.

- NAS Fallon
- NAWS China Lake
- NBC Coronado (La Posta)

# Environmental



## •Execution

- **Total Program ~\$380M FY09 (expect similar levels FY10-12)**
- Env Quality (Compliance, Natural/Cultural Resources, NEPA Planning)
  - **Set Env Quality execution record in FY-09 (\$107M)**
  - **FY10-12 execution expected to maintain \$80M-\$100M/yr.**
- Env Restoration
  - **FY10-12 execution expected to maintain \$220M-\$270M/yr (subject to congressional adds to BRAC program)**

## •Contracting

- Trending toward Fixed-Price Multiple Award Contracts vice Cost-Plus Single Award Contracts
- Trending toward Performance-Based Contracts

# Green and Sustainable Environmental Remediation (GSR)



- Minimize the environmental “footprint” of ER projects while still meeting traditional remediation goals
- GSR policy and guidance being developed by multiple agencies and workgroups
  - US EPA – Green Remediation Strategy & Toolbox
  - DoD – Green & Sustainable Remediation Policy
  - DON – NAVFAC Optimization Workgroup’s GSR Team
  - California EPA – DTSC Green Remediation Initiative
  - ITRC, SURF, etc.
- NAVFAC Sustainable Environmental Remediation Fact Sheet  
[www.ert2.org/ERT2Portal/uploads/SER Fact Sheet 2009-08 Final.pdf](http://www.ert2.org/ERT2Portal/uploads/SER_Fact_Sheet_2009-08_Final.pdf)

# Public Works



- **Utilities Operation Major Maintenance Projects:**
  - ~\$15 - 20M annual program (annual rqmt ~ \$100M)
  
- **Resource Energy Management:**
  - **Resource efficiency managers (REM) at all Navy installations**
    - Identification of energy opportunities
    - Data analysis / energy project development
  
- **Water conservation Initiatives**
  - Reduced regional water consumption by ~1 billion gallons/yr  
(2001 Baseline)
    - Focused on water infrastructure efficiency improvements within energy program
    - Demand side management via numerous irrigation control projects

# Public Works



- **Facility Service Contracts**

- Regional Acquisition Strategic Plan (RASP)
- Standard Naval templates for FSC contracts
- Reduce and Consolidate
  - Dec 2004 → 389 contracts
  - Sep 2009 → 190 contracts
  - Sep 2011 → Target 182 contracts (53% reduction)

- **Regional Contracts**

- Ability One (NISH)
- Vertical Transportation Equipment (VTE)
- Tree Trimming
- Operations & Maintenance (O&M) MASC
- 8a MASC
- Guard Service

- **BOS Contracts**

- NAWS China Lake awarded, performance start date 1 Oct 09
- NAS Fallon projected award: Jul 12

# Current Initiatives



- **Sustainability**
- **Low Impact Development (LID)**
- **Energy**
- **BIM / FIM**
- **Facility Delivery**



# Sustainability – Federal Mandates



- **Energy Policy Act of 2005**
  - Energy efficiency goals that exceed industry std (ASHRAE 90.1-2004)
  - Sustainable design principles for siting, design and construction
- **Executive Order 13423: Strengthening Federal Environmental, Energy and Transportation Management (26 Jan 2007)**
  - Compliance with Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings Memorandum of Understanding (2006)
- **Energy Independence and Security Act of 2007**
  - Fossil fuel-generated energy to be reduced 55% by 2010, 100% by 2030
  - Identify a certification system for green buildings
  - Maintain or restore pre-development hydrology of project sites
  - Not less than 30% hot water demand from solar heaters

# Sustainability – Navy Policy Memos



- **Energy and Utilities Development in MCON and Special Projects (Aug 06)**
  - Commitment to USGBC LEED® Silver level performance
- **DoN Low Impact Development (LID) Policy for Stormwater Management (Nov 07)**
  - Commitment to Low Impact Development (LID)
  - Goal: No net increase in storm water volume and sediment or nutrient loading

# Sustainability - NAVFAC



- **DoD Unified Facilities Criteria (UFC)**
  - **UFC 3-210-10 Low Impact Development (2004)**
  - **UFC 4-030-01 Sustainable Development (2007)**
- **Engineering & Construction Bulletin 2008-01 (Dec 07)**
  - **Adopts requirement for USGBC LEED® Silver Certification**
    - LEED®: Third party certification program for high performance green buildings
    - Meets ASN(I&E) commitment to LEED® Silver performance
  - **Identifies specific LEED® Credits to use on way to Silver Certification**
    - Site development to meet ASN(I&E) LID Commitment
    - Water efficiency goals inside and in landscaping
    - Energy consumption to meet goals of Energy Policy Act of 2005
    - Material use efficiency and waste management goals
    - Indoor environmental quality goals
    - Moisture control management
    - Requirement for LEED® accredited professionals on projects

# Low Impact Development (LID)



- **NAVFAC Policy mandates two LEED Sustainable Site (SS) credits to meet LEED Silver certification**
  - **SS 6.1 Stormwater Design - Quantity Control**
    - Limit disruption of natural water hydrology by reducing impervious cover
  - **SS 6.2 Stormwater Design - Quality Control**
    - Limit disruption and pollution of natural flows by managing stormwater runoff
- **Better site management / planning**
  - Less clear-cutting

# The Way Ahead for Navy Energy



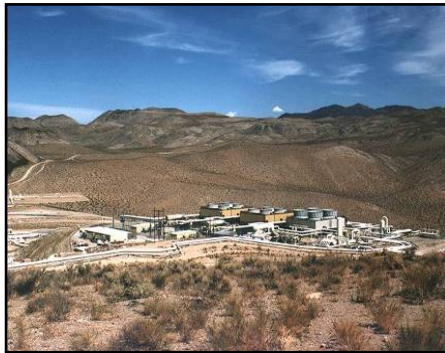
- By 2015, DoN will reduce petroleum use in the commercial fleet of 50,000 vehicles by phasing in a composite fleet of flex fuel, hybrid electric, and neighborhood electric vehicles
- By 2020, at least half of the DoN's **shore-based** energy requirements will come from alternate sources
- By 2020, half of **total** DoN energy consumption will come from alternate sources

*- The Honorable Ray Mabus, Secretary of the Navy*

# Navy Renewable Energy Initiatives



## Geothermal



New geothermal projects  
NAF El Centro and NAS  
Fallon

## Wind



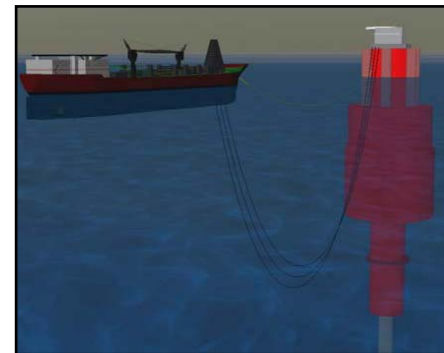
Wind project  
opportunities under  
consideration.

## Solar



Large renewable initiative:  
Goal is to develop a Large  
Scale renewable project(s) in  
southwest.

## Thermal



Ocean Thermal  
Energy Conversion  
(OTEC) for Diego  
Garcia.

**Current/Future Projects Will Focus on Renewable Energy**

# Renewable Energy Projects



- **Goal: 50% renewable by 2020**
  - Renewable assets in place as of FY09 = 2.8 MW
    - 1.5 MW Wind Turbine MCLB Barstow
    - Various Rooftop and Carport PV systems
- **Examples of projects underway:**
  - Geothermal at NAS Fallon, El Centro
  - ARRA Rooftops - PV various locations (~ 2.7 MW)
  - PV Carports - various Locations (~ 300 kW)
- **Examples of projects currently in development:**
  - Solar MAC (PPA for solar in SW AOR) (~200 MW)
  - 3 MW MCAS Miramar Landfill gas PPA
  - Waste to Energy initiative San Diego County
- **Investigating large scale opportunities**
  - MCAS Yuma Utility Scale Generation



# BIM / FIM Data Integration



## *Integration & Common Data Requirements*

(i.e. AutoCAD, SPM, eProjects, FCAP, iNFADS, electronic vaulting, eFiles, etc.)

## Capital Improvements

- ENGINEERING
- DESIGN
- CONSTRUCTION
- MILCON
- OCEAN ENGINEERING

## Asset Management

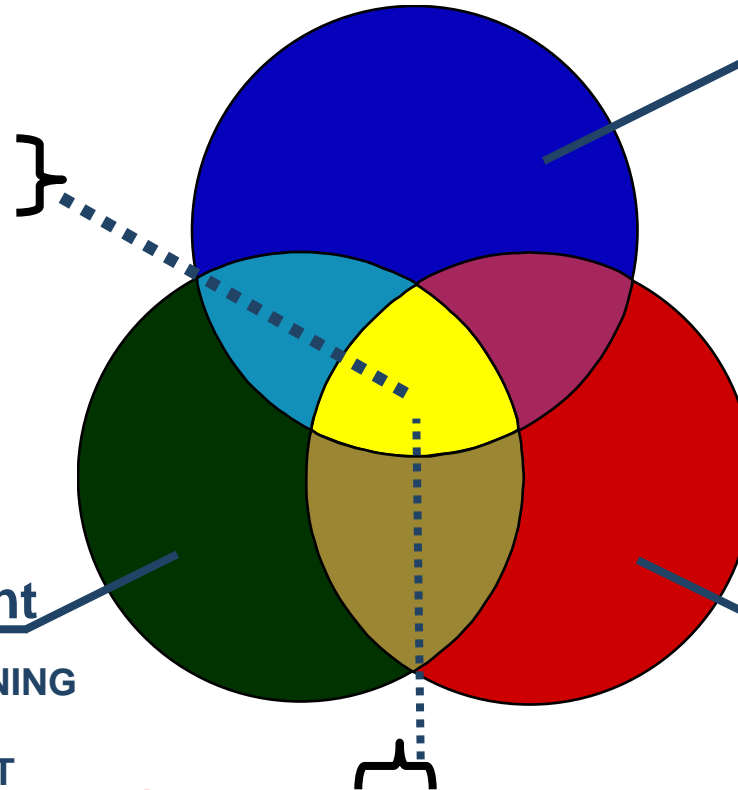
- GLOBAL ASHORE PLANNING
- REGIONAL PLANNING
- PROJECT DEVELOPMENT
- ENVIRONMENTAL PLANNING
- REAL ESTATE

## Public Works

- SRM (SPM, FCAP, etc.)
- BASE OPS SUPPORT
- UTILITIES

## *Others with Data Needs*

- NIC
- SYSCOMS
- REGIONAL COMMANDERS
- FIRST RESPONDERS



# Facility Delivery Building Performance



- NAVFAC targeting 5 high risk areas
  - Mechanical
  - Electrical
  - Fire & Life Safety
  - Roofing
  - Underwater Structures

# Summary



- **Asset Management:**
  - Work NAV2035 details
  - Eliminate excess footprint
  - Leverage under-utilized assets & seek PPV/EUL opportunities
- **Environmental:**
  - Tools to execute growing restoration workload
- **Capital Improvements:**
  - On-time execution of GTF/POR/ARRA multi-year programs
  - Award Camp Pendleton Hospital Sep 2010
  - Post award construction management
- **Public Works:**
  - Renewable energy initiatives
  - Service contract consolidation
  - Green policy initiatives

# Questions?



- *Learn more about NAVFAC ...*

The screenshot shows the NAVFAC website interface. At the top left is the NAVFAC logo (Naval Facilities Engineering Command). To the right are icons for 'Employees' and 'Client', and a search bar with a 'GO' button. Below the header is a navigation menu with tabs: 'About Us', 'Document Library', 'Business Opportunities', 'Organization', 'Contact Us', and 'Seabees'. A red arrow points to the 'Organization' tab, which has a dropdown menu open. The dropdown menu lists: 'NAVFAC Worldwide', 'Headquarters', 'NAVFAC Atlantic', 'NAVFAC Pacific', 'Specialty Centers', 'NAVFAC Atlantic', 'NAVFAC Europe and Southwest Asia', 'NAVFAC Mid-Atlantic', 'NAVFAC Midwest', 'NAVFAC Northwest', 'NAVFAC Southeast', 'NAVFAC Southwest', and 'NAVFAC Washington'. To the right of the dropdown is a 'Main Business Lines' section with a list of services including 'Base Development', 'Facilities Planning', 'Project Development', 'Use Lease', 'Improvements', 'tion', '&E)/(In-House)', 'ed Tech. Service', 'ngineering', 'ncy Engineering', 'ental', 'ental Quality', 'ental Restoration', 'orks', 'Facilities Services', 'Facilities Support', 'Contract Management', 'Base Support Vehicles & Equipment', 'Expertise Programs', 'Utilities & Energy Mgmt', 'Real Estate', 'Disposal of Real Property', and 'Civil Air Landing Permits'. At the bottom of the page, there is a 'News' section with a 'View All' button and a 'Useful Links' section.

**1. Visit our webpage @ [www.navfac.navy.mil](http://www.navfac.navy.mil)**

**2. Go to “Organization” Tab**

**3. Select desired NAVFAC component**

**4. Go to “Contact Us/Visitors”**

# Back Up

# FY10 Military Construction



P #	Project Location	Project Title	Pkg	Prog Amt (\$000)
127	MCAGCC 29 PALMS	SUB-STATION AND ELECTRICAL UPGRADES	29P-1	\$31,310
132	MCAGCC 29 PALMS	HTHW/CHILLED WATER SYSTEM	29P-1	\$25,790
133	MCAGCC 29 PALMS	NATURAL GAS SYSTEM EXTENSION	29P-1	\$19,990
143	MCAGCC 29 PALMS	CONSTRUCT ROADS, NORTH MAINSIDE	29P-1	\$29,360
146	MCAGCC 29 PALMS	INDUSTRIAL WASTE WATER IMPROVEMENTS	29P-1	\$3,330
172	MCAGCC 29 PALMS	SECONDARY ELEC DISTRIBUTION, NORTH MAINSIDE	29P-1	\$31,720
126	MCAGCC 29 PALMS	STATION COMM FACILITY & INFRASTRUCTURE	29P-2	\$49,040
131	MCAGCC 29 PALMS	SEWAGE SYSTEM IMPROVEMENTS	29P-2	\$5,800
171	MCAGCC 29 PALMS	LAYDOWN SITE WORK, NORTH MAINSIDE	29P-2	\$21,740
114	MCAGCC 29 PALMS	DINING FACILITY, NORTH MAINSIDE	29P-3	\$17,200
116	MCAGCC 29 PALMS	BACHELOR ENLISTED QUARTERS, 1ST TANKS	29P-3	\$37,290
170	MCAGCC 29 PALMS	BACHELOR ENLISTED QUARTERS, 1ST TANKS	29P-3	\$37,290
550	MCAGCC 29 PALMS	FIRE STATION RENOVATION, MWTC	29P-4	\$4,460
128	MCAGCC 29 PALMS	ELEC INFRASTRUCTURE UPGRADE, 34.5KV TO 115K	29P-5	\$46,220
130	MCAGCC 29 PALMS	WATER IMPROVEMENTS AND STORAGE TANK	29P-6	\$30,610
103	MCAGCC 29 PALMS	MAINTENANCE SUNSHADES, WHEELED	29P-7	\$12,580
107	MCAGCC 29 PALMS	COMM/ELECT MAINTENANCE/STORAGE	29P-8	\$12,660
101	MCAGCC 29 PALMS	MAINTENANCE SHOP, WHEELED	29P-9	\$16,040
121	MCAGCC 29 PALMS	MAINTENANCE SHOP, TRACKED	29P-9	\$19,780
173	MCAGCC 29 PALMS	ARMORY, 1ST TANKS	29P-9	\$12,670
129	MCAGCC 29 PALMS	ELEC POWER PLANT/CO-GEN/GAS TURBINE	29P-10	\$53,260
947V	MCLB BARSTOW	INDUSTRIAL MACHINE SHOP FACILITY		\$14,130
777V	NAWS CHINA LAKE	WEAPONS DYNAMICS RDT&E CENTER		\$5,970
778V	NAWS CHINA LAKE	SHIPBOARD SHOCK TEST FACILITY		\$3,160
908F	NAWS CHINA LAKE	F-35 APRON AND SECURITY UPGRADE (EDWARDS AFB)		\$3,007
781	Naval Base Coronado	SOF INDOOR RANGE FACILITY		\$16,000

# FY10 Military Construction



P #	Project Location	Project Title	Pkg	Prog Amt (\$000)
243	NAF EL CENTRO	AIRCRAFT DIRECT FUELING STATION		\$11,000
600	NAF EL CENTRO	NAVAL OPERATIONS SUPPORT CENTER, PHOENIX		\$10,986
049	NAS LEMOORE	MARINE RESERVE CENTER ADDITION		\$5,960
1033	MCB CAMP PENDLETON	ENLISTED DINING FACILITY, EDSON RANGE	CP-1	\$37,670
1084	MCB CAMP PENDLETON	ENLISTED DINING FACILITY	CP-1	\$32,300
086	MCAS CAMP PENDLETON	EXPAND COMBAT AIRCRAFT LOADING APRON		\$12,240
107	MCAS CAMP PENDLETON	AVIATION TRANSMITTER/RECEIVER SITE		\$13,560
1012	MCB CAMP PENDLETON	ANGLICO OPERATIONS COMPLEX		\$25,190
1016	MCB CAMP PENDLETON	RECONNAISSANCE BN OPERATIONS COMPLEX		\$77,660
1019	MCB CAMP PENDLETON	COUNTER BATTERY RADAR FACILITY		\$13,170
1029	MCB CAMP PENDLETON	WFTBN SUPPORT FACILITIES, EDSON RANGE		\$15,780
1041	MCB CAMP PENDLETON	EXPANSION OF SRTTP TO 7.5 MGD		\$55,180
1043	MCB CAMP PENDLETON	NORTH REGIONAL TERTIARY TREATMENT PLANT		\$142,330
1048	MCB CAMP PENDLETON	ELECTRICAL UPGRADES		\$51,040
1067	MCB CAMP PENDLETON	BACHELOR ENLISTED QUARTERS, LAS FLORES		\$39,610
1069	MCB CAMP PENDLETON	RECRUIT BARRACKS, EDSON RANGE		\$53,320
1086	MCB CAMP PENDLETON	RECRUIT FIELD BARRACKS		\$23,200
1093	MCB CAMP PENDLETON	COMMUNICATIONS UPGRADES		\$79,492
1094	MCB CAMP PENDLETON	ELECTRICAL DISTRIBUTION SYSTEM		\$76,950
159A	MCB CAMP PENDLETON	OPERATION ACCESS POINTS		\$12,740
610	MCB CAMP PENDLETON	RECRUIT MARKSMANSHIP TRAINING FACILITY		\$13,730
296	MCRD SAN DIEGO	MESSHALL EXPANSION		\$23,590
178	MCAS MIRAMAR	AIRCRAFT PARKING APRON MODIFICATION		\$9,280
104	NB VENTURA COMPLEX	AIRCRAFT DIRECT FUELING STATIONS		\$3,000
129	NB PT LOMA	PUBLIC WORKS SHOPS CONSOLIDATION		\$8,730
401	NB PT LOMA	REPLACE FUEL STORAGE FACILITY (INCR II)		\$92,300

# FY10 MCON – Navy & Marine Corps



<b>P #</b>	<b>Project Location</b>	<b>Project Title</b>	<b>Prog Amt (\$000)</b>
803	TRAVIS AFB	REPLACE FUEL DISTRIBUTION SYSTEM	\$ 15,357
3102	TRAVIS AFB	KC-10 CARGO LOAD TRAINING (CLT) FACILITY	\$ 6,900
447	MCAS YUMA	AIRCRAFT MAINTENANCE HANGAR	\$ 27,050
556	MCAS YUMA	AIRFIELD ELECTRICAL DISTRIBUTION & CONTROL	\$ 1,720

# FY10 Facility Sustainment, Restoration & Modernization Projects



<u>LOCATION</u>	<u>PROJECT NO</u>	<u>AUTH AMT</u>	<u>TITLE</u>
MCLB BARSTOW	BA0212M	\$1M-5M	REPAIR ADMIN SPACES, YERMO WHSE 405, 406
	BA1102M	\$500K-\$1M	DEMOLITION OF STEAM PIPING AT NEBO AND YERMO
	BA1102R	\$500K-\$1M	CONSTRUCT SHELTER FOR LADDER TRUCK
	BA1109R	\$250K-\$500K	CONSTRUCT LOCKER ROOM ADDITION TO BUILDING 168
MWTB BRIDGEPORT	BP0704M	\$1M-5M	REPAIR MESS HALL BUILDING 3006
	BP0812R	\$500K-\$1M	NEW RECREATION FIELD
	BP0901M	\$500K-\$1M	WASTE WATER TREATMENT PLANT LEACH FIELD REPAIR
MCAS MIRAMAR	MI0610M	\$1M-5M	REPAIR AVIATION SUPPLY WAREHOUSE 7209
	MI0966R	\$500K-\$1M	CONSTRUCT CHAPLAIN'S OFFICE
	MI0976M	\$500K-\$1M	DEMOLISH YOUTH CENTER BUILDING 2247
	MI1104M	\$1M-5M	REPAIR BUILDING 20300 ROOF
	MI1107M	\$1M-5M	REPAIR BUILDING 20300 HVAC
MCAS PENDLETON	PA0801M	\$1M-5M	REPAIR FLIGHT SIMULATOR BLDG 2394
	PA0801R	\$500K-\$1M	EXPAND/IMPROVE FLIGHT SIM BLDG 2394 COMPLEX

# FY10 Facility Sustainment, Restoration & Modernization Projects



<u>LOCATION</u>	<u>PROJECT NO</u>	<u>AUTH AMT</u>	<u>TITLE</u>
MCB CAMP PENDLETON	PE0026M	\$1M-5M	REPAIR MESSHALL - 13100
	PE0041M	\$1M-5M	REPAIR 62 AREA TRAINING TANK
	PE0114M	\$5M-\$10M	RPR BEQ 41303
	PE0492M	\$1M-5M	REPAIR TRAINING FACILITY 43302
	PE0492R	\$250K-\$500K	IMPROVE TRAINING FACILITY 43302
	PE0527M	\$5M-\$10M	REPAIRS TO LAKE O'NEILL
	PE0539M	\$1M-5M	REPAIR RANGE 409
	PE0603M	\$1M-5M	PLUMBING REPAIRS BLDG 520442
	PE0815M	\$500K-\$1M	REPLACE RESERVOIR ROOF, 200814
	PE0825M	\$1M-5M	REPAIR TALEGA CANYON ROAD
	PE0828M	\$1M-5M	REPAIR IRON MANGANESE PLANT 240162
	PE0828R	\$500K-\$1M	IMPROVE IRON MANGANESE PLANT
	PE0903M	\$500K-\$1M	REPLACE ROOF & OVERFLOW RESERVOIR, 20813
	PE0916M	\$1M-5M	REPAIR GOOSENECK LAKE POWER LINE
	PE0989M	\$500K-\$1M	REPAIR BUILDING 33402 (ILOC)
	PE0989R	\$500K-\$1M	RECONFIGURE OF BLDG 33402 TO BEQ (ILOC)
	PE09E03M	\$250K-\$500K	REPAIR LINER RESERVOIR 20813
	PE1000M	\$1M-5M	DREDGING OCEANSIDE HARBOR ENTRANCE CHANNEL
	PE1071M	\$1M-5M	REPLACE 6 INCH NATURAL GAS PVC PIPE WITH HDPE AREA 51 TO 53
	PE1091R	\$250K-\$500K	INSTALL POWER TO 25 AREA COMBAT TOWN (OCO)
PE1094R	\$250K-\$500K	INSTALL POWER FROM 25 AREA COMBAT TOWN TO KILO 2 COMBAT TOWN -OCO	

# FY10 Facility Sustainment, Restoration & Modernization Projects



<u>LOCATION</u>	<u>PROJECT NO</u>	<u>AUTH AMT</u>	<u>TITLE</u>
MCB CAMP PENDLETON	PE10E30442M	\$1M-5M	GAS CONTROL & COLLECTION AT THE LANDFILLS
	PE1109M	\$1M-5M	REPAIR SOUTHERN PERIMETER FENCE (FIRE DAMAGE 2008) (OCO)
	PE1115M	\$500K-\$1M	REPLACE ROOF DINING FACILITY, BLDG 520430
	PE1117M	\$500K-\$1M	REPLACE 41 AREA SWITCHGEAR
	PE1121M	\$1M-5M	4 KV TO 12 KV CONVERSION, 63 AREA
	PE1125M	\$250K-\$500K	DEMOLISH BUILDING 14127
	PE1160M	\$250K-\$500K	INSTALL FIRE SUPPRESSION SYSTEMS AT CDC, BLDG. 51570
	PE1181M	\$500K-\$1M	REPAVE ASH ROAD
	PE1198R	\$500K-\$1M	PERSONNEL HYGIENE FACILITY RANGE 314
	PE30444M	\$15M-\$20M	CORRECTIVE ACTION AT PHASE I LAS PULGAS LANDFILL
PE9907M	\$5M-\$10M	RPR BEQ 210636	
MCRD SAN DIEGO	SD0708M	\$1M-5M	BUILDING 30 REPAIRS
	SD0813M	\$1M-5M	GTF RPR HEADS EMERGENCY TROOP HSG BLDG 3 (OCO)
	SD0817M	\$1M-5M	GTF RPR HEADS EMERGENCY TROOP HSG BLDG 7
	SD0904M	\$0K-\$250K	DEMOLISH BUILDING 114 (OCO)
	SD0954M	\$500K-\$1M	DEMOLISH BUILDING 608
	SD1008M	\$1M-5M	REPLACE WINDOWS AT B16 MCX WAREHOUSE/RETAIL (BS26)
	SD1053R	\$500K-\$1M	GTF CONSTRUCT MALE PUBLIC TOILET PARADE FIELD
	SD1103M	\$500K-\$1M	REPLACE STEAM & CONDENSATE PIPING @ MCRD

# FY10 Facility Sustainment, Restoration & Modernization Projects



<u>LOCATION</u>	<u>PROJECT NO</u>	<u>AUTH AMT</u>	<u>TITLE</u>
MCAGCC TWENTYNINE PALMS	TP0531M	\$1M-5M	REPAIR HTHW PIPING SYSTEM; 3RD STREET
	TP0930R	\$500K-\$1M	MOTORIZED SWITCHES MAINSIDE ELECTRICAL DISTRIBUTION SYSTEM (OCO)
	TP0938M	\$1M-5M	SVC & RPR OF BMP STORMWATER MGNT - N MAINSIDE
	TP0947M	\$1M-5M	SVC & RPR OF BMP STORM WATER MGMT - SOUTH MAINSIDE
	TP0980R	\$250K-\$500K	GTF MP PLATOON ADMIN (I MEF) INTERIM LAYDOWN
	TP0981R	\$500K-\$1M	GTF MP REORG (III MEF) MP MWD PLATOON INTERIM SITE
	TP09ENR45R	\$250K-\$500K	TRACRS WATER AND ELECTRICITY
	TP09ENV85R	\$0-\$250K	RELOCATE AST B-2045
	TP1077R	\$250K-\$500K	INSTALL SCADA MAINSIDE WATER TANKS
	TP1090R	\$250K-\$500K	MAIN GATE SECURITY IMPROVEMENTS
	TP1111R	\$250K-\$500K	BEQ LIFE-HEALTH-SAFETY-CONSTRUCT LAUNDRY FAC (1400 NORTH AREA )
	TP1112R	\$250K-\$500K	BEQ LIFE-HEALTH-SAFETY-CONSTRUCT LAUNDRY FAC (1400 SOUTH AREA )
	TP1117M	\$250K-\$500K	DEMO FACILITY 1725
	TP1121R	\$0K-\$250K	FITNESS AREA ADDITION AT CW FIRE STATION
	TP1124M	\$250K-\$500K	REPAVE GRIFFIN ROAD BTWN 1ST AND 3RD
	TP6215EA53	\$1M-5M	CAMP WILSON FOTW ASSESSMENT AND CLOSURE

# FY10 Facility Sustainment, Restoration & Modernization Projects



<u>LOCATION</u>	<u>PROJECT NO</u>	<u>AUTH AMT</u>	<u>TITLE</u>
MCAS YUMA	YU0211M	\$1M-5M	REPLACE LIGHTING/SIGNAGE, TAXIWAY A, B, K & L
	YU0522M	\$1M-5M	REPAIR SHOULDERS - TAXIWAY A, K & L
	YU0523M	\$1M-5M	REPAIR ASPHALT SHOULDERS, TAXIWAY D (GWOT-0)
	YU0727M	\$1M-5M	SPALL REPAIR RUNWAY 3L/21R (FY08 GWOT)
	YU0818M	\$1M-5M	REPAIR RUNWAY 3R/21L
	YU0912R	\$500K-\$1M	INSTALL GEN. CONTAINMENT PAD FOR MWSS 371 (OCO)
	YU1005M	\$500K-\$1M	REPAIR 12.47KV ELECTRICAL DISTRIBUTION AT BMGR (OCO)
	YU1028R	\$500K-\$1M	CONSTRUCT GROUND SUPPORT EQUIPMENT FACILITY, CALA (OCO)
	YU1118M	\$250K-\$500K	REPLACE BMGR RANGE TOWER 3022
	YU1119M	\$250K-\$500K	REPLACE BMGR RANGE TOWER 3023
	YU1120M	\$250K-\$500K	REPLACE BMGR RANGE TOWER 3026
	YU1125M	\$1M-5M	REPLACE STATION FIRE ALARM REPORTING SYSTEM
	YU1127M	\$250K-\$500K	REPLACE BMGR RANGE TOWER 3027

# FY10 Facility Sustainment, Restoration & Modernization Projects



<u>LOCATION</u>	<u>PROJ NO</u>	<u>AUTH AMT</u>	<u>TITLE</u>
NB CORONADO	4KWJR	\$0-\$250K	MODIFY CURRENT AC UNIT
	DE09-0186	\$5M-\$10M	NAVAL OPERATION SUPPORT CTR, PHOENIX
	DE09-0186	\$5M-\$10M	CONSOLIDATE (2) SERIES 270 WAREHOUSES
NAS LEMOORE	RM783-08	\$1M-\$5M	WATER TREATMENT PLANT UPGRADES
NB VENTURA CO	RM405-07	\$1M-\$5M	RPL WATER STORAGE TANKS, PH II
NB SAN DIEGO	TBF4N	\$1M-\$5M	RPR WOMBLE STREET