



The Navy's Environmental Restoration Program in the Southwest

San Diego Environmental Professionals (SDEP)

May 2017

**Derral Van Winkle, PG
Environmental Remediation PLL
NAVFAC Southwest**



NAVFAC SW Leadership and Management



- Commanding Officer -- CAPT J.J. ADAMETZ
 - Executive Officer -- CAPT T.C. Liberatore
 - Business Director -- Ron Plaseied
 - Operations Officer -- CAPT T.J. DeWitt



- Environmental BLL / N45 Shore EV Program Manager – KATHY STEWART
 - EV1 Env. Compliance PLL -- Kathie Beverly
 - EV2 Env. Planning and Conservation PLL -- Lisa Talcott
 - EV3 Env. Restoration PLL -- Derral VanWinkle
 - EV4 Env. Resources and Assessment PLL -- Brian Gordon



Notes:

BLL – Business Line Leader
 PLL – Product Line Leader

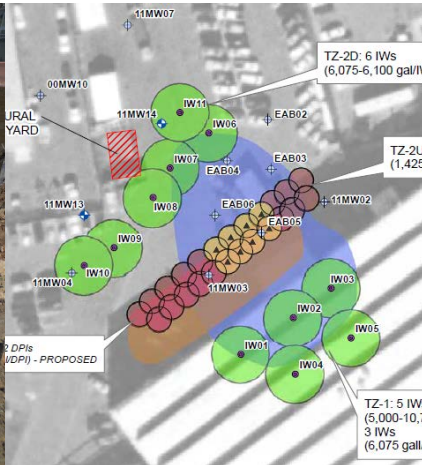


Environmental Quality Programs

- Environmental Compliance & Services
- Environmental Planning
- Environmental Assessments & Special Programs
- Natural and Cultural Resources including Marine Biology

Environmental Restoration Program

- Chemical, radiological, and munitions cleanup





EV1 - Environmental Compliance and Services



• Compliance

- Clean Air Act
- Clean Water Act - NPDES
- Safe Drinking Water Act

• Oil and Hazardous Substance Management

- Chemical and oil spill response and cleanup
- Hazardous and Industrial waste handling, transportation, storage and disposal
- Lead paint, PCB and asbestos abatement
- Oily waste pickup and recycling/disposal

• Environmental Management Systems

• Laboratory Services

• Non-hazardous waste (FKA sustainable solid waste)

• Technology Support

- NESDI
- ESTCP
- SERDP





EV2 – Environmental Planning and Conservation



- Planning-NEPA determination and documentation

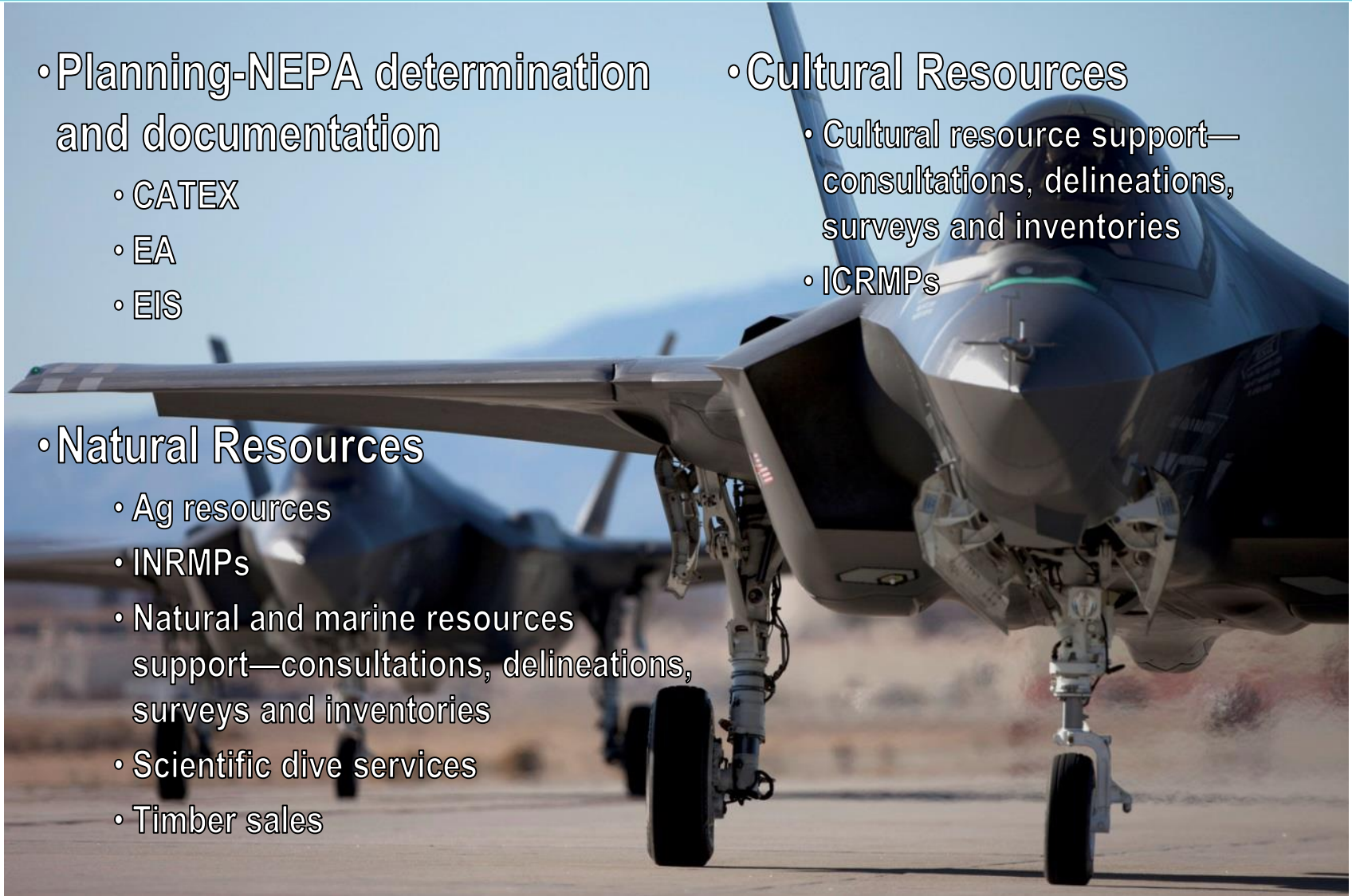
- CATEX
- EA
- EIS

- Cultural Resources

- Cultural resource support—consultations, delineations, surveys and inventories
- ICRMPs

- Natural Resources

- Ag resources
- INRMPs
- Natural and marine resources support—consultations, delineations, surveys and inventories
- Scientific dive services
- Timber sales





EV3 – Environmental Restoration



• Regulatory Compliance

- CERCLA
- RCRA
- Applicable state regulations

• ER,N/BRAC

• Program/Project Management

- IRP and MRP
- Policy and guidance development
- Execution
- Community relations and regulatory support
- Site investigation and cleanup

• Program/Project Management, cont.

- LUC development, management and tracking
- Clean-up technologies
- Environmental support for real estate
- Review of construction/maintenance projects
- Long term monitoring/management
- OCONUS investigation/cleanup
- Technical support—risk assessment, geology, chemistry, etc.

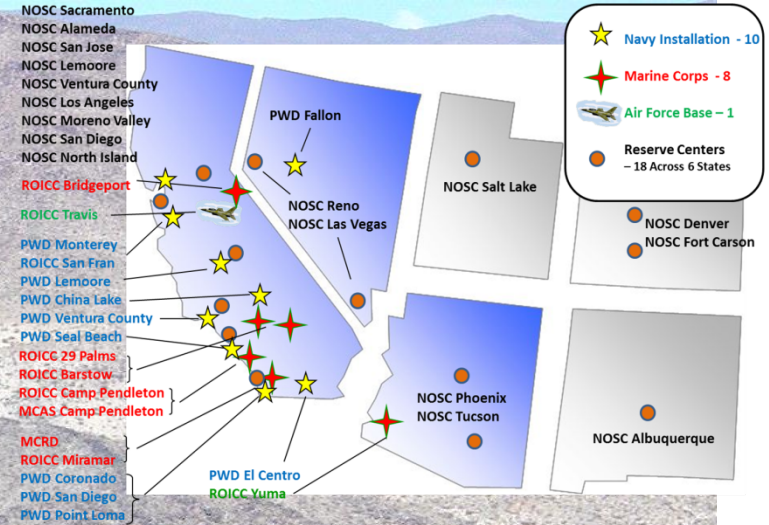




EV4 – Environmental Resources and Assessment



- Budget development
- Resource management
- Community management
- EMS management and consultation
- Metrics development and assessment
- Operational Range Sustainment
- Resource Allocation Plan support
- Environmental Quality and Environmental Restoration program analyses



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Recent Environmental and Sustainability Awards



CNO-SECNAV-SECDEF Environmental Awards

- 2016 – 2 Installation awards (NBPL and NAS Fallon) and 3 team awards
- 2015 – 1 Installation award at NAS Fallon and 2 team awards
- 2014 – 3 Installation awards (NBSD, NSA Monterey, and BRAC) and 2 team awards

U.S. General Services Administration

- 2015 - Achievement Award – Real Property Best Practices & Innovation

Harvard University, Kennedy Ash Center for Democratic Governance & Innovation

- 2015 - Innovations in American Government Award

San Diego County & Industrial Environmental Association

- 2015 – Sustainability Innovation Award
- 2014 – Sustainable Program Award

American Academy of Environmental Engineers and Scientists

- 2014 & 2016 - Excellence in Environmental Engineering and Science Award (Honor & Grand Prize)

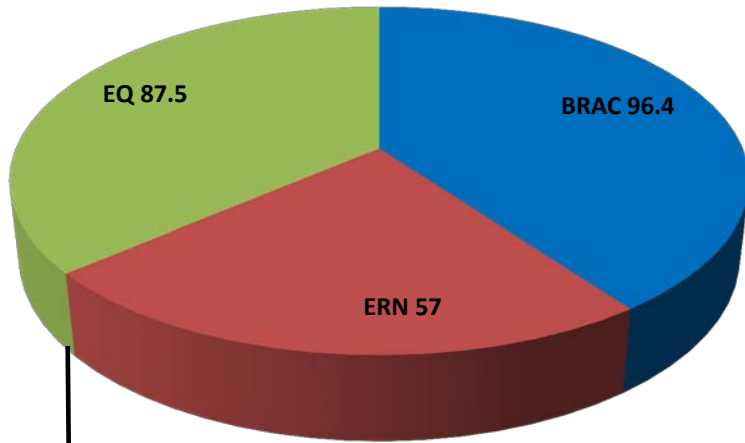




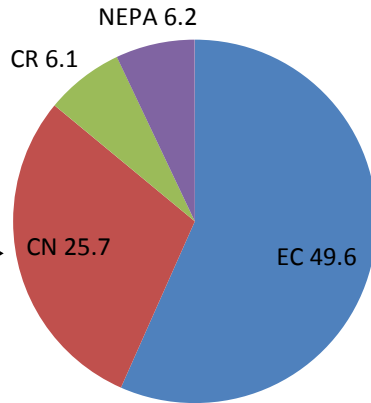
Environmental Program Execution (\$M)



FY16 \$241 M

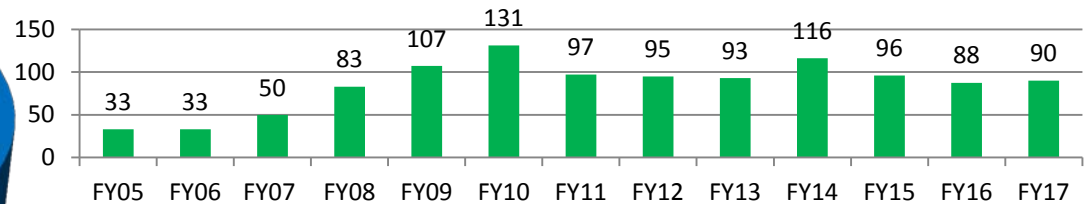


**EQ
Detail**



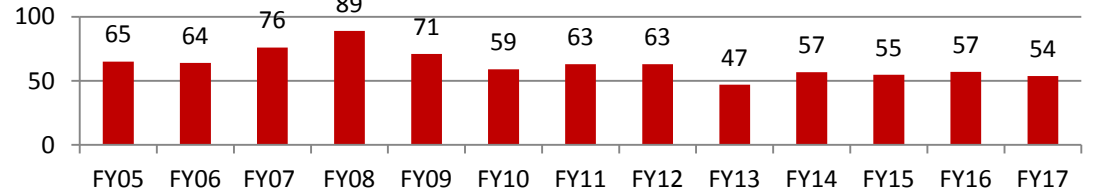
Environmental Quality (\$M)

FY17 Projected



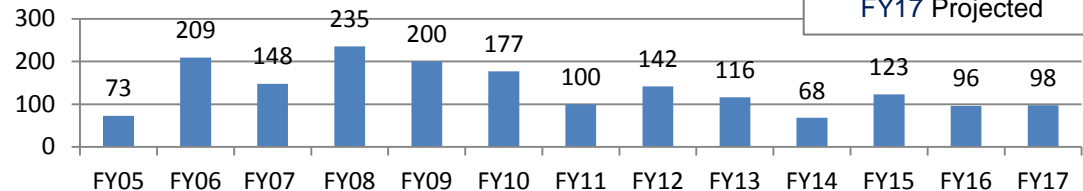
Environmental Restoration (\$M)

FY17 Projected



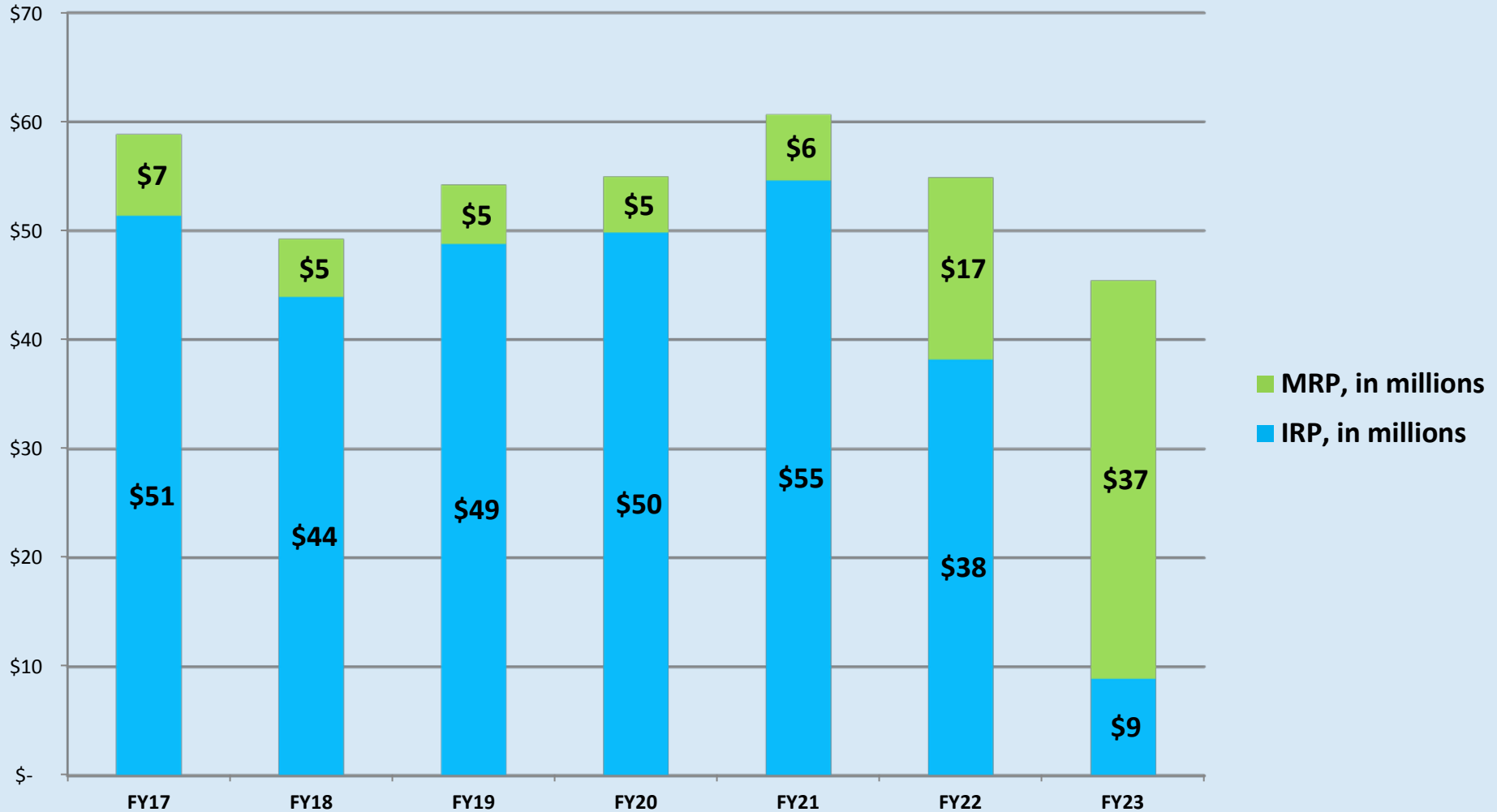
Base Realignment and Closure (\$M)

FY17 Projected





ER,N Controls – EOY FY16



Data from MDY FY17 Budget Guidance

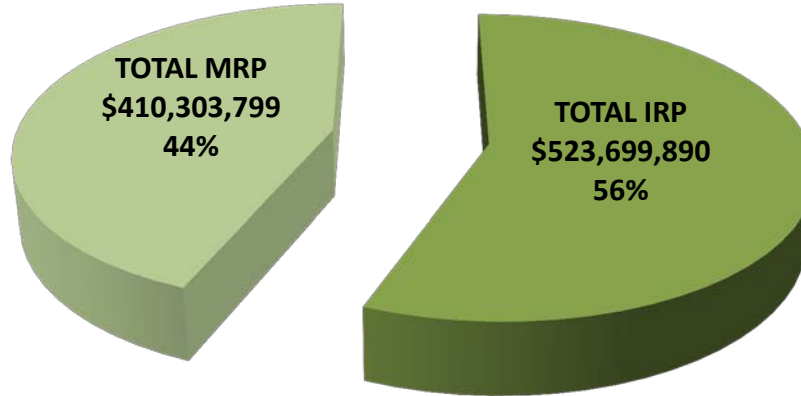


ER,N Requirements



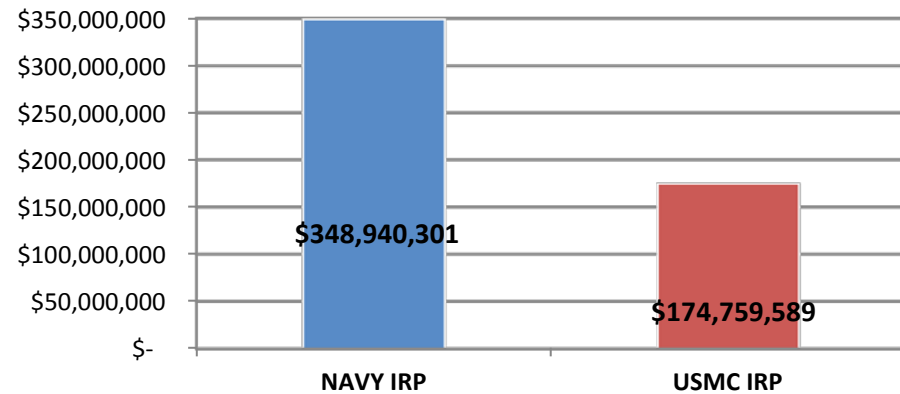
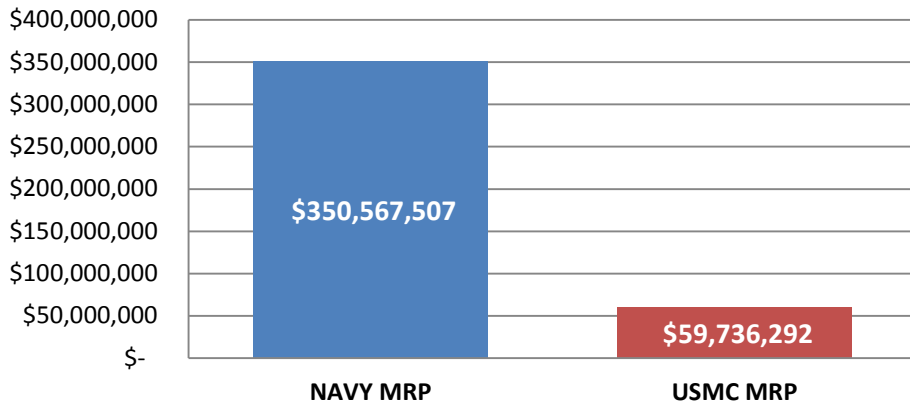
**Overall CTC
\$934 M**

Cost to Complete by IRP and MRP



MRP Cost to Complete (Navy v. USMC)

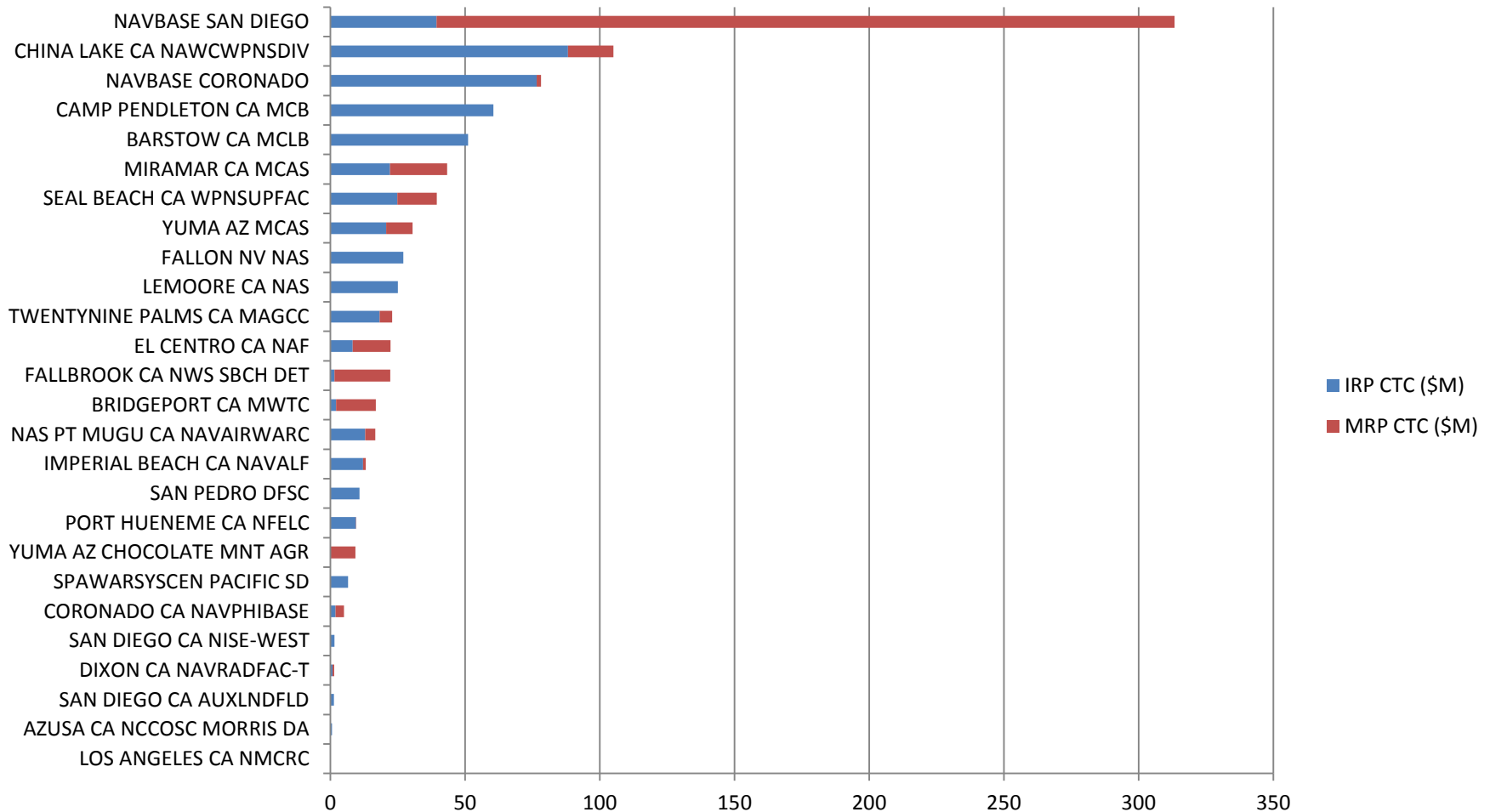
IRP Cost to Complete (Navy v. USMC)



Data from NORM Living Budget 4/2017



Cost to Complete by Installation



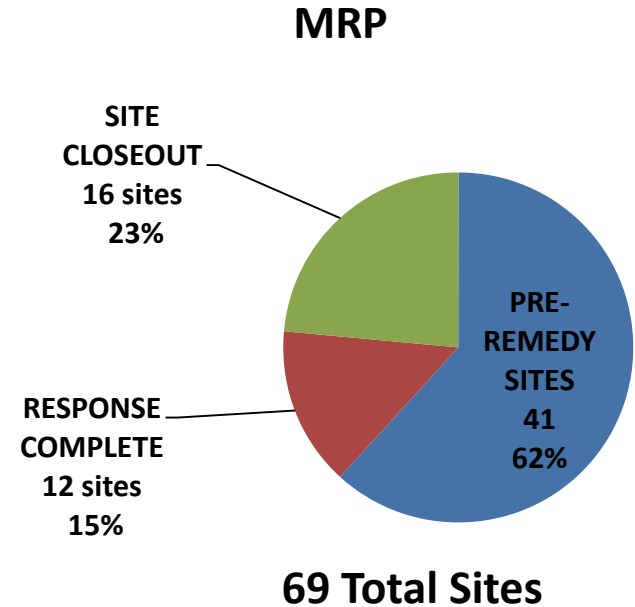
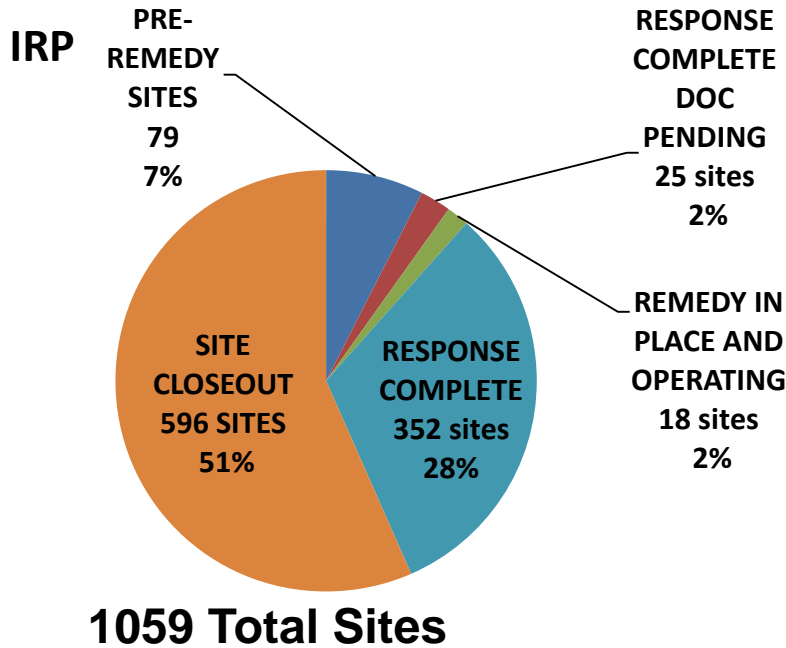


Snapshot of the SW ER,N Program



EOY FY2016

Phase	Southwest
Site Closure + Response Complete no additional remediation; (ex of sites RC but not SC - landfills/UXO)	87%
Remedy-in-Place and sustained operation achieved while Remedial Action Objective yet to be met	3%
Active sites are those in the investigation/study phase including decision document and remedial design.	10%





Office Secretary of Defense Planning Guidance Goals

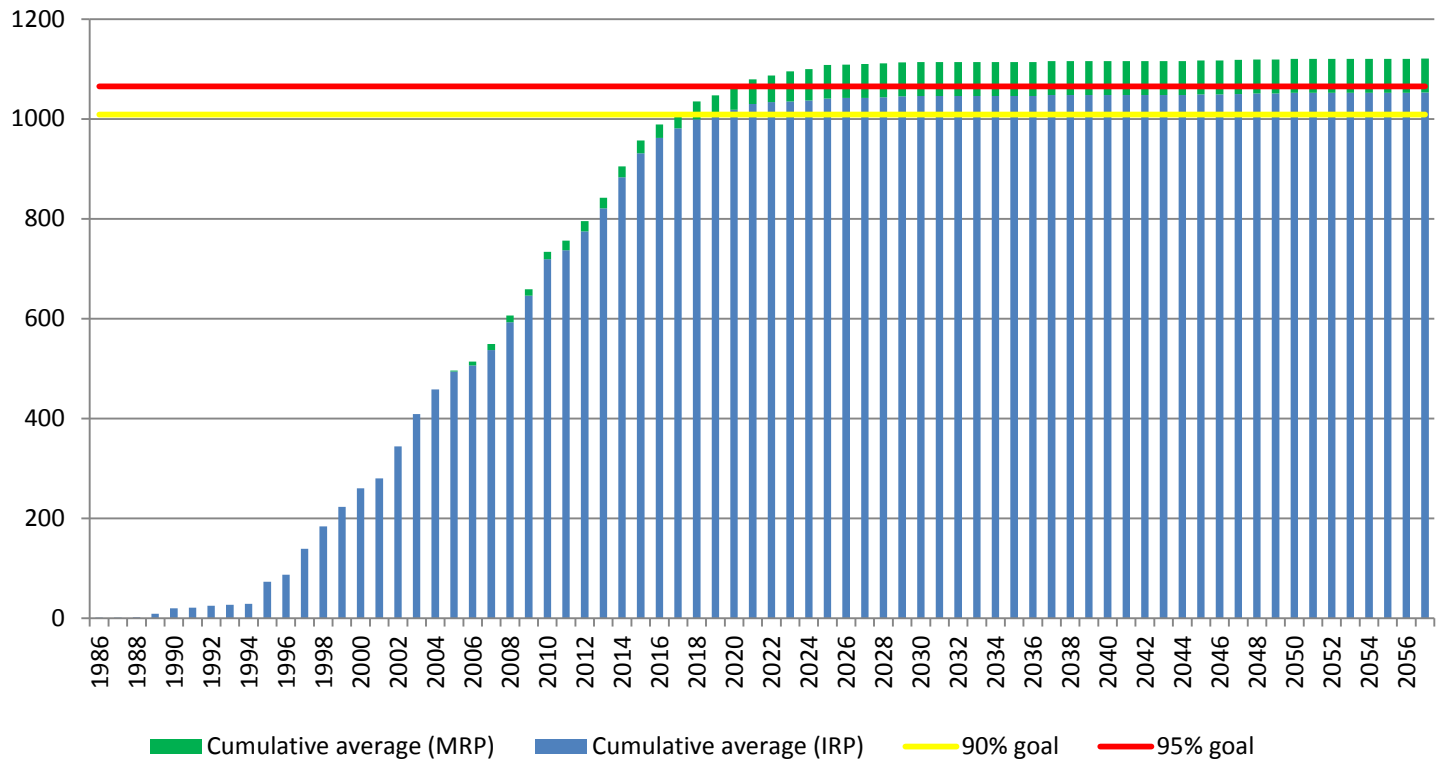


Total SW Sites	Sites Remaining to reach RC	EOY FY 18 % Projection	FY to reach 90%	EOY FY 21 % Projection	FY to reach 95%	Sites Remaining after EOY FY 21
1128	151	91%	2018	95%	2021	62

DPG Goals:

- 90% Sites RC by FY18 (yellow line)
- 95% Sites RC by FY21 (red line)

RC metric tied to RC document with Agency concurrence





Challenge Areas – Environmental Restoration



•Emerging Contaminants

- Perfluorinated Compounds (PFC's)
 - PFOS/PFOA
- Vapor Intrusion
- Asbestos
- Lead
- 1,4-Dioxane



•O&M / LTM

- Enhanced Optimization Review

•Munitions Program

- Underwater Evaluations
- Risk Assessment

•Sediment Cleanup

•Radiation Evaluation/Cleanup

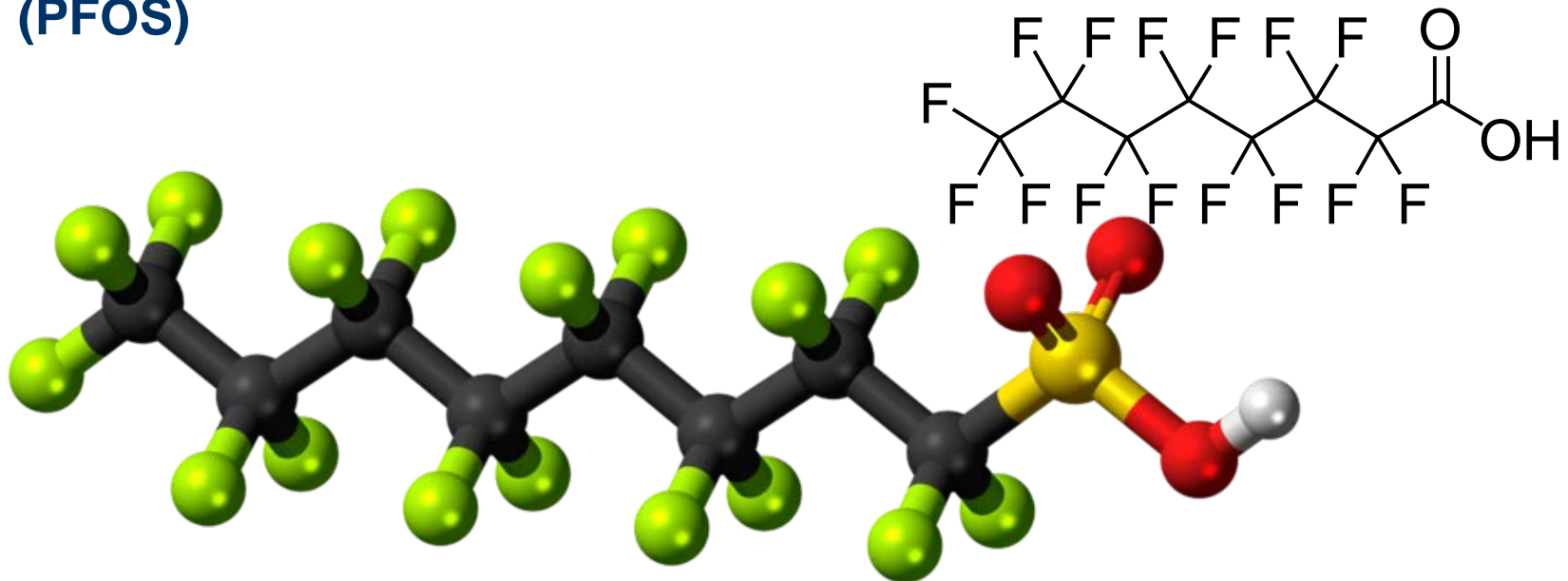
- BRAC
- ER,N – Historical Radiological Assessments (HRAs)



What Are Perfluorinated Compounds PFCs?



- Non-native fluorinated surfactants
- Hydrophobic/oleophilic “tail”
- Hydrophilic group on end of chain
- Hydrogen in carbon chain is replaced by fluorine
- Range from 4 to 12 carbons
- Polyfluorooctanoic acid (PFOA)/perfluorooctane sulfonate (PFOS)

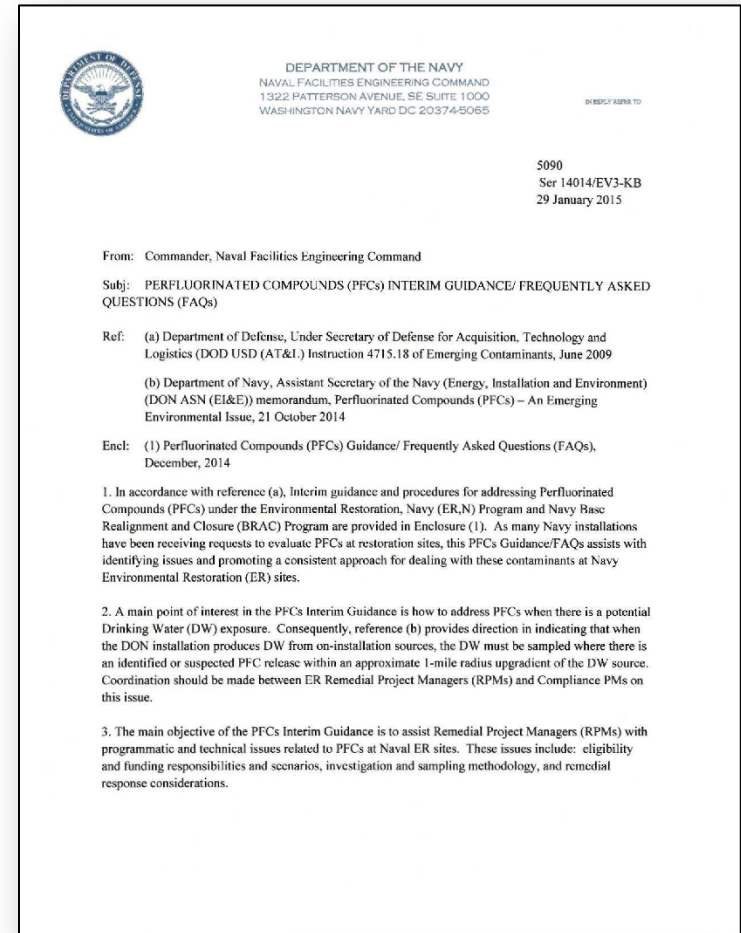


Testing aqueous film forming foam (AFFF) fire fighting systems inside a hanger





- **Finalized/Issued: January 29, 2015**
- **Objective: Assist RPMs with issues related to PFCs (PFASs) at ER sites to promote a consistent approach across Navy installations**
- **Issues Addressed:**
 - **Funding responsibilities: BRAC, ERN***
 - **Investigation and sampling methodology**
 - **Remediation considerations**
- **Focus on Drinking Water (DW)**
 - ***Past release as substantiated by the CSM**
- **Document being updated for 2017 release**



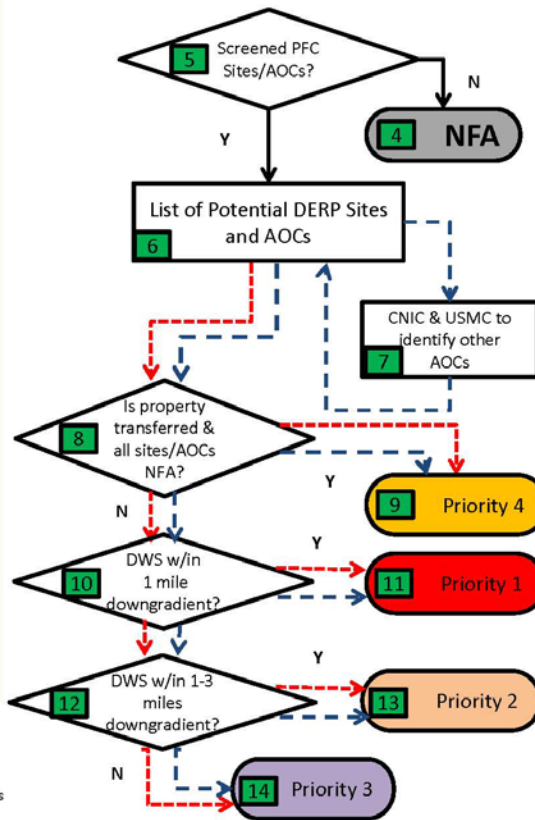
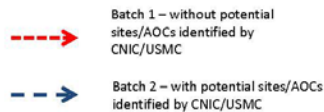
NAVFAC Process for Prioritizing PFC/PFAS Sampling

Phase 2 – Site/AOC Validation, Prioritization and Gap Analysis

- Managers and RPMs to validate sites/AOCs progressing from Phase 1
- Prioritize sites/AOCs based on property ownership status, response status, and distance to drinking water sources
- CNIC and USMC to review validated sites/AOC lists per installation with potential release mechanisms and identify additional sites/AOCs for prioritization
- May include limited sampling of groundwater.

Status/Schedule:

- Block 6: Initial list is due 15 June 2016 to DASN(E)
- Block 7: A continuous process; initial validated AOCs to be added to the list by 22 July 2016 with additional sites added as discovered.
- Blocks 11, 13, 14, and 9: Potential sites/AOCs list due to DASN(E):
 - Batch 1: 01 August 2016
 - Batch 2: 15 August 2016
- Additional AOCs from CNIC & USMC will be prioritized as they are identified.



Business Rules:

- Block 5: FEC RPMs to confirm/refute PFC sites/AOCs based on available data on site history and site operations. RPM is to provide the supporting documentation of "negative" response. For example, a "burn pit" site/AOC for debris disposal and not associated with fire-fighting training can be eliminated. Because some of the required information pertains to on-base and off-base drinking water sources, the RPM will need to coordinate with Environmental Compliance, Public Work, and local municipalities.
- Block 7: Additional areas that have the potential for PFC releases will be identified by facility operations personnel (i.e. hanger, crash site, storage area). Coordinate and work closely with RPMs to identify and validate new potential AOCs.
- Block 8: Could be identified from NORM, NIRIS, Delayed Disposal Report, Military Fire & Crash Training Sites Table, BRACMIS, Flash Card, real estate, & other databases
- Block 10: DWS (Navy, public, and private wells) are located within 1 mile downgradient of sites/AOCs.
- Block 12: DWS (Navy, public, and private wells) are or may be located within 1 - 3 miles downgradient of sites/AOCs.
- Blocks 9, 11, 13, and 14: Refer to rules under Phase 3.



Environmental Contracts



PROGRAM	FY16 Actual Execution	FY17 Planned Execution	Contract Capacity (active)	Capacity (procurements underway)
ER,N and BRAC	\$153 M	\$156 M	\$320 M	\$650 M
Compliance/ORC/ Services	\$50 M	\$90M	\$442 M	\$30 M
NEPA, Natural & Cultural Resources	\$38 M		\$261 M	\$70 M
TOTALS	\$241 M	\$246 M	\$1 B	\$750 M



* ORC – operational range clearance

** Data contained herein is based on the best available information and is subject to change



NAVFAC SW Environmental Procurements Underway



Title	Scope	Type	Duration	Capacity	RFP	Est. Award Date
EV Lab Services	Services	FP, UR, Single	5 yr	\$30 M	Issued	Q3 FY17
CERCLA/RCRA	Restoration	FP, SB, Single	5 yr	\$75 M	Issued	Q4 2017
EMAC III	Restoration	FP, MAC	5 yr	\$240 M	Industry Day 5/3	Q1 FY18
CR MASC	Cultural Res	MAC	5 yr	\$30 M	Q1 FY18	Q1 FY18
Admin Record	Restoration	FP, Single	5 yr	\$4 M	Q3 FY17	Q1 FY18
8(a) EMAC	Restoration	FP, SB, MAC	5 yr	\$95 M	Q4 FY17	Q1 FY18
MARAC	Restoration	CP, MAC	5 yr	\$240 M	Q4 FY17	Q4 FY18



NAVFAC SW Environmental Planned Procurements



Title	Scope	Type	Duration	Capacity	RFP Date	Est. Award Date
NR MAC	Natural Resources	FP, MAC	5 yr	\$40 M	TBD	TBD

** Data contained herein is based on the best available information and is subject to change



- **NAVFAC SW has specific protocol and a process for contractors to follow when submitting visit requests.**

- **Protocol was developed to**

- 1) Provide industry representatives with a fair and equal opportunity to contact the command
- 2) Ensure minimal disruption to the Navy mission.

- **The Contractor Visit Protocol can be found in the NAVFAC SW Public Web Site at the following link:**

https://www.navfac.navy.mil/navfac_worldwide/atlantic/fecs/southwest/contact_us/KTR_Visit_POC.html

Process for Requesting Visit to NAVFAC SW



- **To request a contractor call/visit, personal visit, or social call, send an e-mail to the command's Contractor Visit Coordinator at NAVFAC_SW_Contractor_Visit_Coordinator@navy.mil with the following information:**
 - **A Biographies for all personnel who will be visiting NAVFAC Southwest**
 - **The individuals you would like to meet with at NAVFAC Southwest.**
 - **Specific dates and times you are available.**
 - **Identify whether you need base access (N/A for 1220 Pacific Hwy Complex)**
 - **list of specific topics you wish to discuss.**
- **After this information is received, we will then contact the contractor to coordinate details of the visit. Please allow at least one week to coordinate visits.**
- **Considerations in scheduling a meeting will be:**
 - **If the contractor is involved in an ongoing procurement/solicitation (or any stage of an active acquisition).**
 - **Discussion of specific procurements or project information, whether pending or anticipated.**
 - **Discussion of potential acquisition vehicles, source selection methodologies, etc.**
 - **If the contractor is involved in a dispute with NAVFAC or another entity of the US.**
 - **If the contractor requests a visit more than once in a six month period.**



More Information



- **Projected NAVFAC Environmental Contract Opportunities**
www.navfac.navy.mil
- **Small Business Program Office**
<https://smallbusiness.navfac.navy.mil>
- **Federal Business Opportunities**
www.fedbizops.gov
- **Navy Electronic Commerce Online (NECO)**
<https://www.neco.mil>



Any Questions?