The Navy’s Environmental Program and Opportunities in the Southwest

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NAVFAC Southwest
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Regulatory Compliance Context

California has aggressive, multi-level air, water, and other media regulatory agencies, including:

- California Air Resources Board (ARB)
- County Air Pollution Control Districts (APCDs) or Regional Air Quality Management Districts (AQMDs)
- California Water Resources Control Board
- Regional Water Quality Control Boards (9 regional boards in CA)
- Dept of Toxic Substances Control (DTSC)
- California Certified Unified Program Agencies (CUPA) (general county and local agencies)
- California Dept of Public Health
- State Lands Commission
- California Coastal Commission
- California Integrated Waste Management Board

High number of environmental bills, rules, and permits proposed each year

Regulations, rules, and permits are more stringent than federal requirements requiring extensive and labor-intensive recordkeeping and reporting

Level of regulatory oversight is evidenced by the high number of inspection days, environmental permits, and reporting requirements

This regulatory context leads to high environmental compliance and conservation costs

Majority of SW Navy and Marine Corps installations are in California
**SW Environmental Business Line**

**Regulatory Climate**

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**Agency Inspection Days by Region**

- **Air Quality Inspections**
- **HAZ Waste Inspections**
- **USTs Inspections**
- **Solid Waste Inspections**
- **Drinking Water Inspections**
- **Wastewater Inspections**
- **CERCLA Inspections**
- **OTHER Inspections**

**Days at Installation**

- **NDW**
- **ML**
- **SE**
- **MW**
- **NW**
- **SW**
- **HI**
- **MAR**

**Regulatory program emphasis differs from Region to Region**

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**Conservation and Resource Management**

- **47 Federally Listed Species**
  - NPS Monterey - 4
  - NWS Seal Beach - 9
  - NAS El Centro – 2
  - NAWS China Lake - 3
  - NB Ventura County – 14
  - NAS Lemoore – 1
  - San Diego Metro / San Clemente Island – 35

- **80% of Navy’s Biological Opinions annually**
- **21 INRMPs, 16 in revision**
- **Development of Operation and Effect letters ensure compliance with Sikes Act on most installations during INRMP update**

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**NEPA/Environmental Planning**

**Number of CATEXs Produced (FY12)**

- **FY 13 Navy In Progress:**
  - 5 EIs, 2 NRSW
  - 25 EAs, 17 NRSW

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**Cultural Resources**

- **SW has the largest number of recorded and estimated sites Navy wide**
- **Major effort to record 10,700 estimated sites at San Clemente Island, China Lake, and Fallon**
- **Managing 18,000 range sites is challenging task**

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**Navy Archaeological Sites**

- **Estimated Unknown Archaeological Sites**
- **Recorded Archaeological Sites**

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**Agency Inspection Days by Region**

**Number of CATEXs Produced (FY12)**

**Cultural Resources**

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**Navy Archaeological Sites**

- **Estimated Unknown Archaeological Sites**
- **Recorded Archaeological Sites**

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**All Other Regions**

**NRSW**

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**Managing 18,000 range sites is challenging task**
Growth in the Southwest

- **Plant Replacement Value**
  - $29,748,445,150

- **Land Acreage**
  - 1,421,277

- **Ships and Aircraft**
  - 58 Surface Ships
  - 6 Submarines
  - 1 Aircraft Carriers
  - 576 Aircraft

- **Commands**
  - 617 Tenant Commands
  - 1 Hospital
  - 1 Research Graduate School

**Estimates for 2017:**

- **Ships and Aircraft**
  - 68 Surface Ships
  - 6 Submarines
  - 3 Aircraft Carriers
  - 584 Aircraft

- **Commands**
  - 634 Tenant Commands
  - 1 Hospital
  - 1 Research Graduate School

57% Increase in Projected Vessel Loading Expected by 2021
FY13 Project Execution $254M

BRAC $105M
ERN, $54M
EQ $95M
NR $7.5M
EC $85M
CR $2.5M

FY12 Successes
- 11 CNO Environmental Awards, 2 SECNAV, 1 SECDEF
- CA Governor’s Environmental and Economic Leadership Award
- USFWS Military Conservation Partnership Award
- City of San Diego Recycler of the Year
DON Environmental Budget ($M)

Distribution Chart:
PB14 Total = $1,115M

FY12 Executed | FY13 PresBud | FY14 PresBud

- $1,244
- $1,108
- $1,115

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<thead>
<tr>
<th>Category</th>
<th>FY12</th>
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**Environmental Quality Program ($M)**

### Some Current Issues:
- NPDES Storm Water Permitting
- Areas of Biological Significance
- Air Permitting at Small Arms Ranges
- Marine Coatings & Ships’ Forces
- NEPA

### Chart Data:

<table>
<thead>
<tr>
<th>Year</th>
<th>Previous FY</th>
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<tr>
<td>FY14</td>
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**Projected FY**
**ERN Program Goals:**
- Support Mission Requirements
- Achieve RIP for all High Priority IRP Sites FY14
- Achieve RC for 90% of IRP + MRP Sites FY18
- Achieve RC for 95% of IRP + MRP Sites FY21
ER,N IRP vs. MRP ($M) NAVFAC SW

<table>
<thead>
<tr>
<th>Year</th>
<th>MRP</th>
<th>IRP</th>
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<tr>
<td>FY 21</td>
<td>9</td>
<td>51</td>
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</tbody>
</table>
Southwest ER,N Requirements

Overall CTC: $766M
~54% IRP; ~46% MRP

ER,N Total Cost to Complete

Installation Restoration Cost to Complete
- Navy, $252
- MC, $160

Munitions Response Cost to Complete
- Navy, $306
- MC, $49
IRP Funding Requirements by SW Installation - Cost-to-Complete

Overall CTC: $766M
~54% IRP; ~46% MRP
~63% Navy: 37% Marine Corps

$0 $20,000,000 $40,000,000 $60,000,000 $80,000,000

YUMA
TWENTYNINE PALMS
SPAWARSYSCEN
SEAL BEACH
SAN PEDRO
NTC
SAN DIEGO NISE-WEST
MCRD
SAN DIEGO CA...
SAN DIEGO CA AUXLNDFLD
PORT HUENEME
NBSD
NBPL
NBC
PT MUGU
MIRAMAR
LOS ANGELES CA NMCRC
LEMOORE
IMPERIAL BEACH
FALLON
FALLBROOK
EL CENTRO
DIXON
CORONADO NAVPHIBASE
CHINA LAKE
CAMP PENDLETON
BRIDGEPORT CA MWTC
BARSTOW
MORRIS DAM
MRP Funding Requirements by SW Installation - Cost-to-Complete

MRP CTC $355M
NBSD San Diego Bay UXO 100
~72% of MRP Budget
*Note Graph on Right Does not include NBSD
NAVFAC SW ERN RC Metric Projection

Cumulative Number of Sites Achieving RC versus Goals

- **EOFY 18**: 90% of Sites RC (1003 sites)
- **EOFY 21**: 95% Sites RC (1059 sites)

**Response Complete Goals (1048 IRP and 67 MRP):**
- 90% IRP and MRP by 2017 (exceed FY18 goal)
- 95% IRP and MRP by 2019 (exceed FY21 goal)
Installation Restoration CTC Focus
Optimization / Green and Sustainable Remediation

- Optimization efforts leading to more effective and efficient remediation solutions
- Achieved cost avoidance of $177M over last 7 years

<table>
<thead>
<tr>
<th>Optimization Study Cost</th>
<th>Optimization Remedy Implement Cost</th>
<th>Actual Cost Avoidance</th>
<th>Potential Cost Avoidance</th>
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</thead>
<tbody>
<tr>
<td>$16,532,813 (599 sites)</td>
<td>$18,964,422</td>
<td>$177,602,506</td>
<td>$352,775,248</td>
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ROI of 5.0 (Actual Cost) or 9.9 (Potential Cost)

• Expanded optimization program to include Green and Sustainable Remediation (GSR)
Munitions Response CTC Focus

- Terrestrial: Remedial Investigation focus over next several years
  - Support technology transfer of new advanced sensors and algorithms into mainstream use

- Underwater: Expanded Wide Area Assessment
BRAC Program Management Office
West Program ($M)

<table>
<thead>
<tr>
<th>Previous FY</th>
<th>Current FY</th>
<th>Projected FY</th>
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Environmental Contract Capacities

<table>
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<tr>
<th>PROGRAM</th>
<th>FY12 Execution</th>
<th>FY13 Planned Execution</th>
<th>Current Contract Capacities</th>
<th>FY13-15 Planned Solicitations</th>
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<tbody>
<tr>
<td>Restoration/BRAC</td>
<td>$217M</td>
<td>$159M</td>
<td>$1,027M</td>
<td>$270M</td>
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<tr>
<td>Compliance/ORC</td>
<td>$93 M</td>
<td>$73M</td>
<td>$156M</td>
<td>$200M</td>
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<td>NEPA/NCR</td>
<td>$15M</td>
<td>$22M</td>
<td>$51M</td>
<td>$165M</td>
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<td><strong>TOTALS</strong></td>
<td><strong>$325M</strong></td>
<td><strong>$254M</strong></td>
<td><strong>$1,309M</strong></td>
<td><strong>$635M</strong></td>
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** Data contained herein is based on the best available information and is subject to change.
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# SW EV Procurements Currently Underway

<table>
<thead>
<tr>
<th>Contract Type</th>
<th>Scope</th>
<th>Location of Work</th>
<th>Contract Capacity/Duration</th>
<th>Type</th>
<th>RFP Date</th>
<th>Projected Award Date</th>
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<tbody>
<tr>
<td><strong>Environmental Restoration</strong></td>
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<tr>
<td>Remedial Action Contract (RAC) – Single Award IDIQ; Cost Plus Award Fee</td>
<td>Restoration</td>
<td>SW AOR</td>
<td>$100M/5 yrs</td>
<td>Small Business</td>
<td>June 2011</td>
<td>1st Qtr FY14</td>
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<td><strong>Environmental Compliance</strong></td>
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<td>A-E Compliance Single Award IDIQ; Fixed Price</td>
<td>Storm Water-incidental potable water, wastewater, groundwater, water quality</td>
<td>NAVFAC Wide</td>
<td>$30M/5 yrs</td>
<td>Small Business</td>
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<td>8(a) CERCLA/RCRA Single Award IDIQ; Fixed Price</td>
<td>Compliance</td>
<td>SW AOR</td>
<td>$20M/5 yrs</td>
<td>Small Business</td>
<td>March 2013</td>
<td>3rd Qtr FY14</td>
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<tr>
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<td>NEPA Infrastructure</td>
<td>SW AOR</td>
<td>$30M/5 yrs</td>
<td>Small Business</td>
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<td>SW AOR</td>
<td>$30M/5yrs</td>
<td>Small Business</td>
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## SW EV Planned Procurements

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<td>4th Qtr FY14</td>
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<td>Restoration 8(a) EMAC</td>
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<td>Restoration SB EMAC</td>
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• Listing of expected NAVFAC Environmental Contract Opportunities
  • NAVFAC Webpage: www.navfac.navy.mil

• Small Business Program Office Webpage: https://smallbusiness.navfac.navy.mil

• Federal Business Opportunities: www.fedbizops.gov
Questions?