

# NESDI FY13 Needs Solicitation Yields Twenty Priority Needs

## Annual Process Once Again Successful at Tapping into Unresolved Environmental Needs

**THE NAVY ENVIRONMENTAL** Sustainability Development to Integration (NESDI) program's Fiscal Year (FY) 2013 needs collection process yielded 58 submittals from across the Navy. After a thorough review by program personnel, a solicitation for proposals has been executed to address 20 needs determined to be priorities by personnel from the program's management team—the Technology Development Working Group (TDWG)—and resource sponsor—the Chief of Naval Operations Energy and Environmental Readiness Division (N45). Successful proposals will result in new projects beginning in FY13 and beyond.

Each year the NESDI program executes a formal process for collecting outstanding environmental needs from the

- the Naval Facilities Engineering Command (NAVFAC)
- the Space and Naval Warfare Systems Command (SPAWAR)
- Commander, Naval Installations Command (CNIC)

Once needs were compiled, the TDWG met to consider all of the needs—determining whether a need was valid (within the scope of the NESDI program, not already being addressed by the program, etc.). The TDWG then ranked those needs based on the program's investment priorities. A need can be considered by the NESDI program if it falls within one of the following Navy Environmental Enabling Capabilities (EEC):

Each year the NESDI program executes a formal process for collecting outstanding environmental needs from the Fleet.

Fleet. Fleet personnel or their representatives actively participated to identify and document various operational challenges. After a thorough review by the TDWG, 20 needs were selected as the basis for new projects. The TDWG is comprised of technical experts from the following Navy System Commands:

- the Naval Air Systems Command (NAVAIR)
- the Naval Sea Systems Command (NAVSEA)

### 1. Range Sustainment (EEC-2)

Investments in innovations that address environmental impacts and restrictions at Navy ranges to ensure that Naval training ranges and munitions testing/manufacturing ranges are fully available and efficiently utilized.

### 2. Ship-to-shore Interface (EEC-4)

Investments in innovative techniques to manage ship hazardous material/waste offload to shore facilities.



3. **Weapon System Sustainment (EEC-3)**

Investments in Fleet maintenance operations with the overall objectives of reducing the cost of compliance and increasing mission readiness.

4. **Air and Port Operations (EEC-4)**

Investments that address issues pertaining to air and port operations that ensures Fleet readiness.

### Fleet Operational Needs

THE FOLLOWING 20 priority Fleet operational needs (with environmental solutions) resulted from the program's validation, consolidation and ranking process for FY13.

NO.	NEED	COMMAND	TITLE
1.	N-0847-13	NAVFAC	Reduce Wastewater Treatment Plant Salinity
2.	N-0861-13	NAVFAC	Compliance Options Study For National Pollutant Discharge Elimination System (NPDES) for Cooling Water Intake Structures at Existing Facilities
3.	N-0862-13	NAVSEA	NPDES Clean Sampling Techniques
4.	N-0867-13	NAVFAC	Infrastructures Reducing Storm Water Fees
5.	N-0869-13	NAVFAC	Demonstration of Sustainable Remedy For Treating Low pH Aquifer Contaminated with Continuing Source of Chlorinated Ethenes Tetrachloroethene and Trichloroethene from Closed Landfill
6.	N-0870-13	NAVSEA	Biological Fouling Reduction To Ships Cooling Water Systems
7.	N-0871-13	NAVAIR	Low-Volatile Organic Compound and Low-Hazardous Air Pollutant Wipe Solvent and Paint Thinner Demonstration/Validation
8.	N-0874-13	NAVFAC	Alternative Treatment Technology to Pump and Treat for Munitions Constituent-Contaminated Groundwater
9.	N-0876-13	NAVFAC	Improved Methods and Tools for Remedy Selection at Contaminated Sediment Sites
10.	N-0878-13	NAVAIR	Replace Lead Moldings for Sheet Metal Forming with New Technology
11.	N-0880-13	NAVAIR	Filtering Aqueous Plating and Cleaning Shop Chemicals to Extend Bath Life
12.	N-0883-13	NAVAIR	Ultra High Pressure Water Jet System Equipment Procurement and Related Installation
13.	N-0887-13	NAVSEA	Drydock Sediment Management
14.	N-0895-13	NAVAIR	Elimination of Hexavalent Chromium from Aircraft Structural Adhesive Bonding
15.	N-0898-13	NAVSEA	Develop Process and Equipment for Wholesale Removal of Rubber Coating on Submarines
16.	N-0899-13	NAVAIR	De-Painting of Naval Aircraft—Alternative to Chemical/Media Removal Technology
17.	N-0900-13	NAVSEA	Develop Process and Equipment to Capture Smoke Plume from Oxy-Fuel Cutting Torch During Ship Demolition
18.	N-0902-13	NAVAIR	Revised Chromium National Emission Standards for Hazardous Air Pollutants Housekeeping Compliance
19.	N-0906-13	NAVFAC	Autonomous Underwater Vehicle Monitoring of Marine Environment Contaminants in Harbors and Waterways Impacted by Naval Operations
20.	N-0907-13	NAVFAC	Effective Operation and Maintenance of Storm Water Best Management Practices/Low Impact Development

## TDWG Membership

MEMBERS OF THE NESDI program's TDWG can be contacted at the following phone numbers and email addresses:

NAME	COMMAND	PHONE	EMAIL
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Needs that pose significant operational risk to the Fleet and fit the program's investment priorities were the most highly ranked.

### 5. Regulatory and Base Operations (EEC-5)

Investments in cost effective methods for identifying, analyzing and managing environmental constraints related to current and projected regulatory impacts.

Once the TDWG had completed its rankings, those preliminary rankings were passed along to the appropriate subject matter experts at N45. Once N45 had reviewed and approved the TDWG's preliminary rankings, Leslie Karr, the NESDI program manager, then published a request for pre-proposals to address the Navy shoreside priority environmental needs.

### Priority Fleet Needs

Needs that pose significant operational risk to the Fleet and fit the program's investment priorities were the most highly ranked. Need submitters with needs that were not highly ranked by the NESDI program in FY13

were contacted and given comments to strengthen future submissions.

The deadline for pre-proposals that address the program's priority needs was 14 November 2012. These pre-proposals will be evaluated and ranked by a representative of each of the program's Functional Working Groups and the TDWG. The call for full proposals was issued on 13 December 2012.

For more information about the FY13 priority needs as well as other information about the NESDI program, visit the program's web site at [www.nesdi.navy.mil](http://www.nesdi.navy.mil). 

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### CONTACT

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