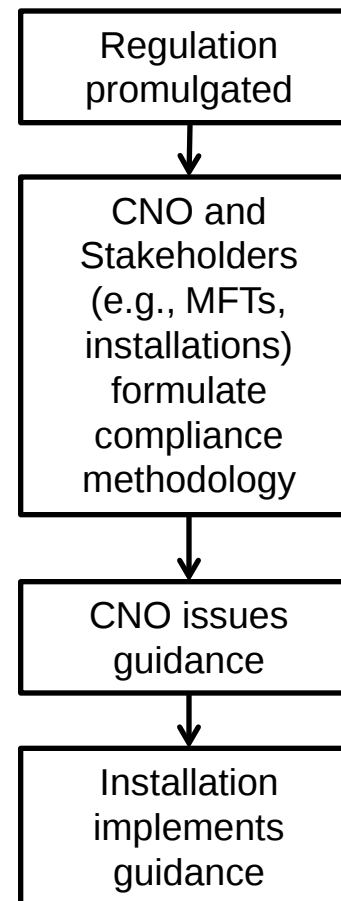
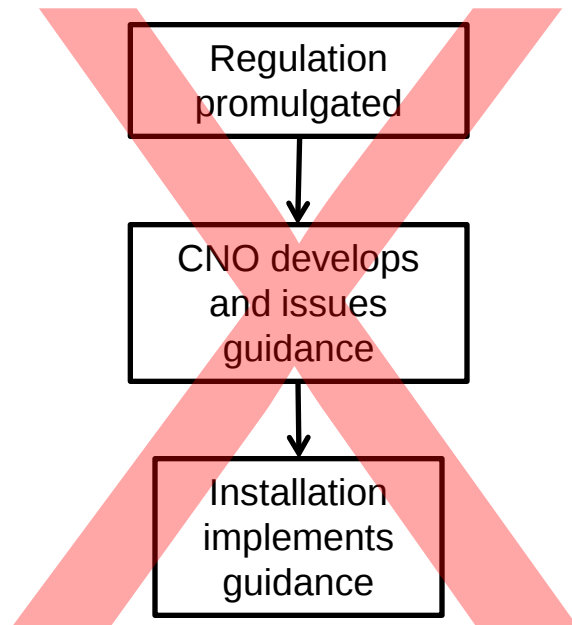


Complying with the Greenhouse Gas Mandatory Reporting Rule and Beyond: From Strategy to Action

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- Shift to an “enterprise-wide” approach
 - Methodologies for compliance now developed with input from stakeholders and made uniform across the Navy



Success Story – Greenhouse Gas Mandatory Reporting Rule



- **Stakeholders included:**

- CNO representatives (N45)
- Members of Media Field Team (MFT), including CNIC, HQ, Regional, Echelon III representatives
- Installation/FEC air media managers

- **Developed uniform response and methodology for compliance**

- Guidance issued by CNO 02 Dec 2009
- All installations collecting GHG data to determine reporting requirements
- Reporting conducted by individual installations
- Reported data rolled up into Navy-wide electronic module (EDMWeb)
 - Existing air emissions module modified to include GHG data
 - New user manual was issued in Sept 2010

- **Solution allows for:**

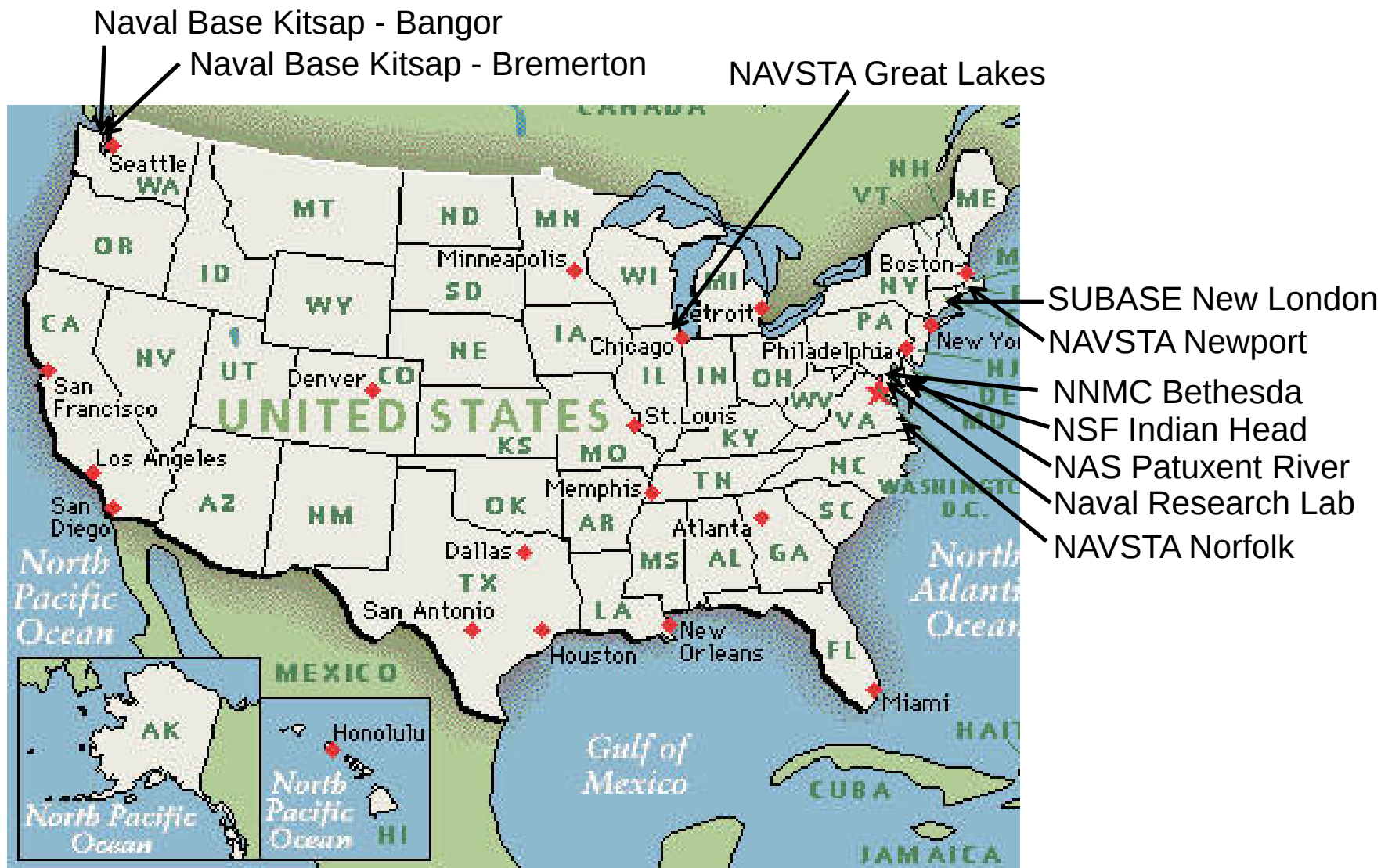
- Standardized methodologies for collecting and reporting
- Data in a single location for easy access, review, use, and communication horizontally and vertically

Where is the U.S. Navy in the GHG MRR process?



- All Navy installations began collecting GHG data on 01 Jan 2010.
- There will be ten installations subject to the reporting rule for 2010.
- All affected personnel (e.g., air media managers) have attended the EPA webinar(s) related to the GHG reporting tools (e-GGRT).
- Certificates of representation submitted, as applicable
- The modified air module has been implemented and affected personnel have been trained on its use.
- **RESULT:** All 10 affected installations are prepared to report GHG data on-time to the EPA and internally

U.S. Navy Installations Subject to the GHG MRR



DON Energy Program for Security and Independence



- Issued in October 2010
- Commits Navy and Marine Corps to five energy goals:
 - Energy efficient acquisition
 - Green fleet
 - Reduction of non-tactical petroleum use (reduced by 50% in commercial vehicle fleet by 2015)
 - Increased alternative energy ashore
 - Increased alternative energy use DON-wide
- By 2020:
 - DON will produce at least 50% of shore-based energy requirements from alternative sources
 - 50% of DON installations will be net-zero
 - 50% of total (ashore and afloat) DON energy consumption will come from alternative sources

How will the Navy get there?



- **Energy considerations in new contracts and selection of contractors**
- **Definition of formal roles and responsibilities, planning, programming, budgeting, and reporting for energy initiatives**
- **Science and Technology Development**
- **Behavioral and cultural changes**
- **Strategic partnerships**

What are the hurdles?



- **Technology maturity**
- **Resource availability**
- **Alternative fuel availability**
- **Business process transformation**
- **Data management**

- **~450 energy projects in FY 11; > 500 scheduled for FY12**
 - Focus on reducing production of energy and reducing energy consumption
 - Include projects to retrofit existing facilities as well as new construction [Retro-commissioning (RCX)]
- **Navy and Marine Corps Energy Project Management Guide issued Mar 2011**
 - Standardizes process for developing and executing energy and water efficiency improvement projects, including life cycle cost analysis
 - Includes samples of emails, letters, templates, checklists, etc. for the entire project process
- **OPNAV Instruction 4100.5E**
 - Currently in draft (will replace 4100.5D and 4100.6B)
 - Provides CNO policy, objectives and guidance, and responsibilities for Navy Shore Energy Management

- **Goals have been set**
 - Installation, Regional, and Global
 - Approach has become cross-business line (Ops, PW/Util, AM, CI, EV) versus unilateral
 - Tiger Teams

- **Development of tools to meet the goals**
 - DUERS
 - CIRCUITS
 - eROI

- **Programs being implemented**
 - GHG reporting
 - Energy projects

QUESTIONS?