



**Navy Perspective on Greenhouse
Gas/Climate Change and
E.O. 13514**

Presented by:

Jennifer Tabor

Navy Regional Environmental Coordinator

Senior Project Manager

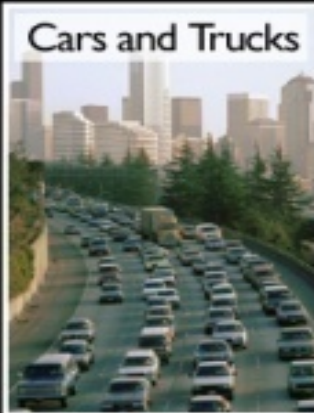
for Air Media



- **Greenhouse Gas (GHG) Mandatory Reporting Rule Overview**
 - **Greenhouse Gas is any gas that absorbs infrared radiation in the atmosphere.**
 - Greenhouse gases include, but are not limited to, water vapor, carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), ozone (O₃), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆).
- **Executive Order 15314**
 - **On October 5, 2009, President Obama signed Executive Order 13514, *Federal Leadership in Environmental, Energy, and Economic Performance*, to establish an integrated strategy towards sustainability in the federal government and to make reduction of greenhouse gas (GHG) emissions a priority for federal agencies.**



**Multiple
Sources of
Pollution**



Greenhouse Gas Mandatory Reporting Rule (GHG MRR)



- **GHG MRR 40 CFR part 98 applies to direct greenhouse gas emitters, fossil fuel suppliers, and industrial gas suppliers.**
 - **Threshold for reporting 25,000 metric tons or more of carbon dioxide equivalent (CO₂e) per year actual emissions.**
 - Navy facilities required to report in MIDLANT
 - Naval Station Norfolk
 - Naval Station Newport
 - Subbase New London
 - **Does not require control of GHGs**
- **Reporting and Recordkeeping requirements**
 - **Schedule: Initial reporting for 2010 due March 2011. Delayed to September 2011**
 - Report submitted through Greenhouse Gas Reporting Tool (e-GGRT)
 - **Monitoring Plan**
 - Includes: positions responsible for data collection, calculation methodology
 - Not required to submit to EPA

- **Challenges**

- Collecting data, not previously required. (e.g. fuel usage small boilers)

- **EPA expects nationwide emissions data will:**

- Provide a better understanding of where GHGs are coming from
 - Guide development of the policies and programs to reduce emissions.

- **EPA Finalizes Tailoring Rule on 3 June 2010 at 75 FR 31514**

- **Rule became effective 2 Aug 2010**

- **EPA finds Tailoring rule is necessary to limit impacts to largest sources of GHGs and phases in 2 steps between Jan 2011 and June 2013**

- Phases in declining emission thresholds. Each step is aimed at bringing more sources and modifications into the permitting programs over time.

- Step 1 (Jan 2011-Jun 2011)

- » Applies to new PSD Sources for Criteria Pollutants

- » BACT applies to 75K CO₂e GHG Equivalent

- » Title V Permit Requirements apply to existing Title V sources

- Step 2 (Jul 2011-June 2013)

- » Applies Requirements to New GHG Sources over 100K CO₂e GHG Equivalent

- **States required to submit plans to comply by 2 Aug 2010**

- Some say they have the authority and will comply

- Some say they need to get the authority from their state legislatures

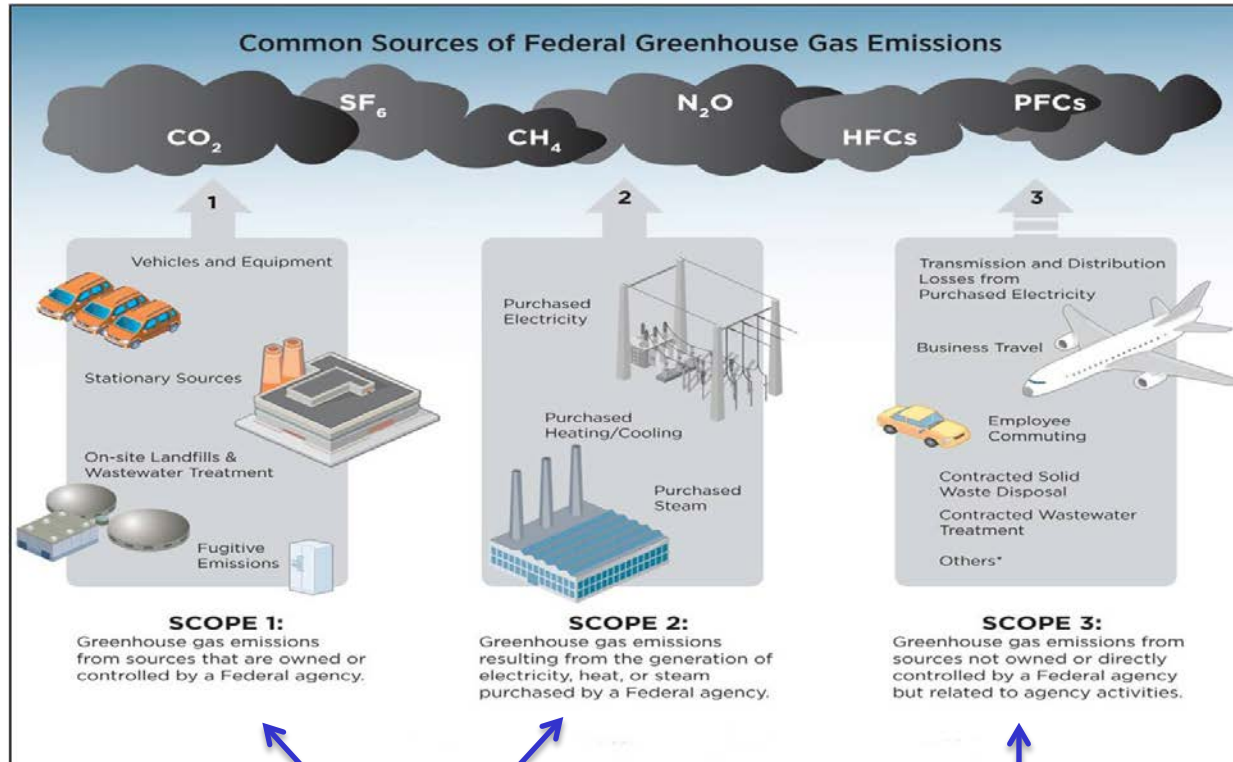
- Some say EPA has no authority to do this (e.g.-Texas)

- **Litigation Pending**

- **Executive Order 13514 (5 Oct 2009, 74 FR 52117) requires:**
 - **Agencies to determine and report FY 2010 GHG Emissions NLT 31 Jan 11**
 - **Establishes Energy Reduction Goals of Reducing Energy Consumption by 2% annually through FY2020**
 - **Council of Environmental Quality (CEQ) Chair Issued reporting Guidance on 6 Oct 2010**
 - **Agencies Required to Issue Sustainability Performance Plans**
 - DOD Guidance Finalized Dec 2010
 - Requires 34% Reduction in Scope 1 & 2 Emissions
 - Requires 13.5% Reduction in Scope 3 Emissions

- **Sets sustainability goals and directs improved performance for all Federal agencies**
 - **Measure, manage, and reduce GHG emissions by 2020**
 - **30% reduction in vehicle fleet petroleum use by 2020**
 - **26% improvement in water efficiency by 2020**
 - **50% recycling and waste diversion by 2015**
 - **95% of all applicable contracts meet sustainability reqts**

DoD GHG Reduction Targets



34%
Reduction Target

13.5%
Reduction Target

FY2020 Reduction targets (FY2008 baseline)

- **Navy effort**

- **Each Region is required to take steps to meet the sustainability goals**

- Cross Functional Teams (CFTs) have been set up to develop efforts to meet goals
 - NAVFAC Midlant CFT meets quarterly with NAVFAC Midlant CO and reports out progress with meeting the sustainability goals
 - » Utilities (building energy usage by square foot)
 - » Transportation (Vehicle fuel reduction and alternative fuel)
 - » Environmental (Pollution Prevention, Air Program, Green Procurement)
 - » Construction (Building design and renovation- LEED)
 - GHG data sources include, but not limited to:
 - Annual energy reports
 - Fuel usage reports like the Navy Energy Usage Reporting System (NEURS) for tactical vehicles and FAST system for commercial fleet
 - Facility Title V reporting materials
 - solid waste and diversion reporting

- **Navy effort**

- Each region reports their performance up through to **Secretary of the Navy.**

- Performance from all the services is rolled up to DoD.