

The background of the slide is a close-up, slightly blurred photograph of the American flag. The stars and stripes are clearly visible, with the stars in the upper left and the stripes extending towards the bottom right. The colors are vibrant, with a deep red, a bright white, and a dark blue field for the stars.

U.S. GOVERNMENT PROCUREMENT OF ENERGY EFFICIENT PRODUCTS

World Bank Workshop on Public Procurement of
Energy Efficient Products

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Impact of U.S. Government Purchases

- In 2010, USA consumed 100 Quad Btu
- US Gov't consumed 1.1Quad Btu (1%)
- US Gov't annually spends \$20B on energy
- \$7B of that for facilities
- \$500B on goods and services
- Of USG energy consumption
 - 30-40% Standard Buildings
 - 60% Vehicles & Equipment
 - >10% Other

US Gov't is high volume purchaser for certain products and if it were a country would rank in top 10

U.S. Government Requirements

- Policies since 1991
- 7 E.O.s, 3 laws, 2 FAR clauses, and 1 rule address Federal procurement of energy-efficient products
- EE Procurement Mandatory in 2005 (FEMP-designated and ENERGY STAR)
- Policy Foundation:
 - EPAAct 1992 and 2005
 - EISA 2007
 - E.O. 13514 (2009), 13423 (2007), and 13221 (2001)
 - Federal Acquisition Regulation (FAR) 23.2 and 52.223-15

Federal Procurement Mandates

- Recycled/Recovered Materials
- Biobased/Biopreferred
- Energy Efficient
- Non-ozone depleting
- Alternative fuels
- Ability One
- Small and Small Disadvantaged Businesses
- Federal Prisons

OMB Scorecard: It's working!



Getting Results

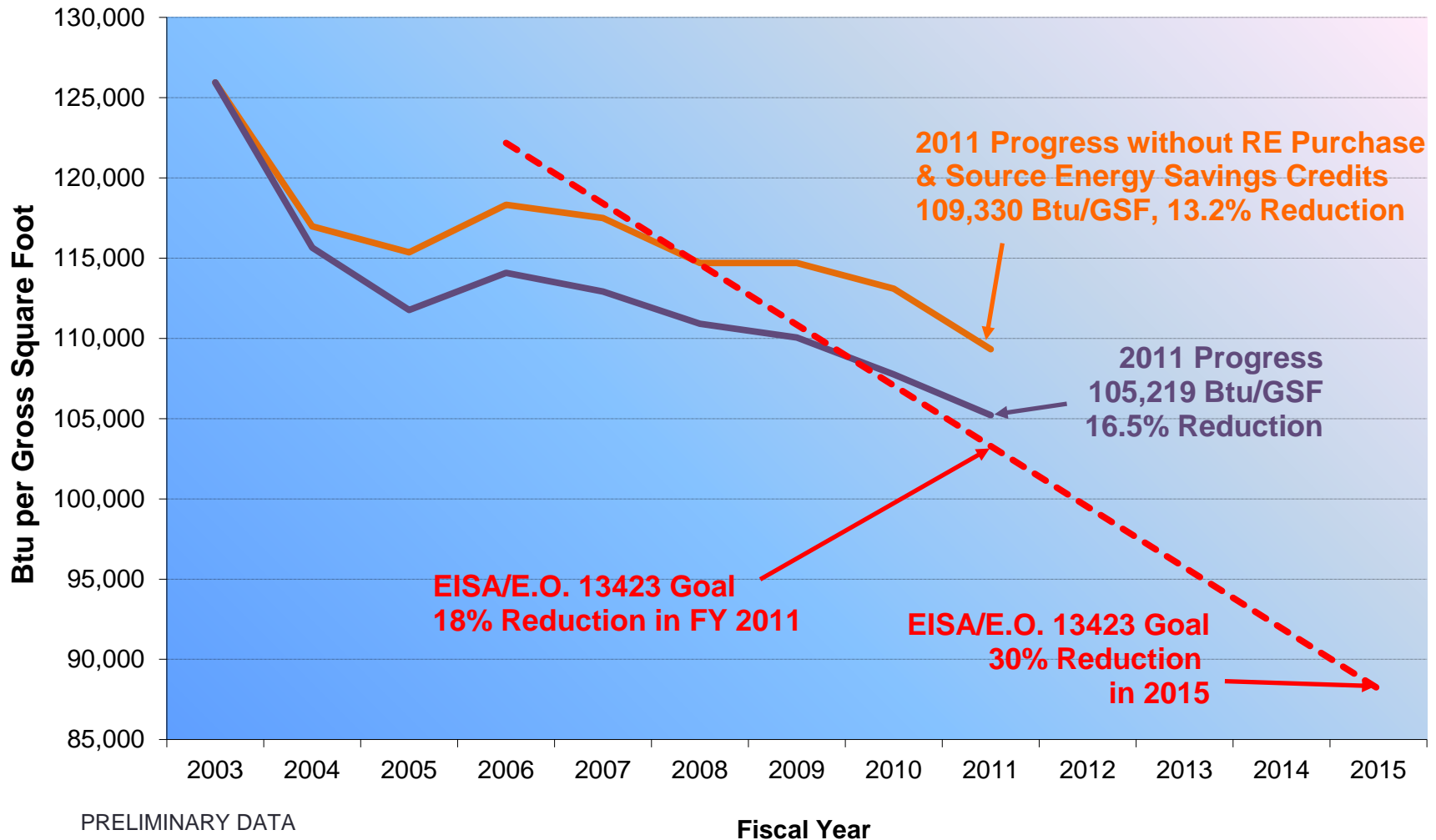
- ✓ Clear priorities, goals and senior ownership
- ✓ Data-driven reviews of Agency progress
- ✓ Relentless follow-up
- ✓ Full transparency
- ✓ Biannual Scorecards on Sustainability
- ✓ Key Progress Milestones
 - Sustainable Acquisition
 - Procurement of Renewable Energy
 - Energy Intensity Reductions
 - Green IT/Data Center Consolidations

What is Green?

(FY11 OMB Scorecard)

- Meet agency-specific GHG annual target reductions
- Reduce energy intensity 18% (2003)
- Reduce fleet petroleum use 12% (2005)
- Reduce water intensity 8% (2007)
- Purchase 5% renewable power/half from new sources (>1999)
- Report 5% of buildings as sustainable (>5,000 gsf)
- On Track for:
 - Demonstrate 95% Sustainable Acquisition
 - Purchase EPEAT-registered electronics
 - Enable Energy Star features on computers
 - Consolidate Data Centers

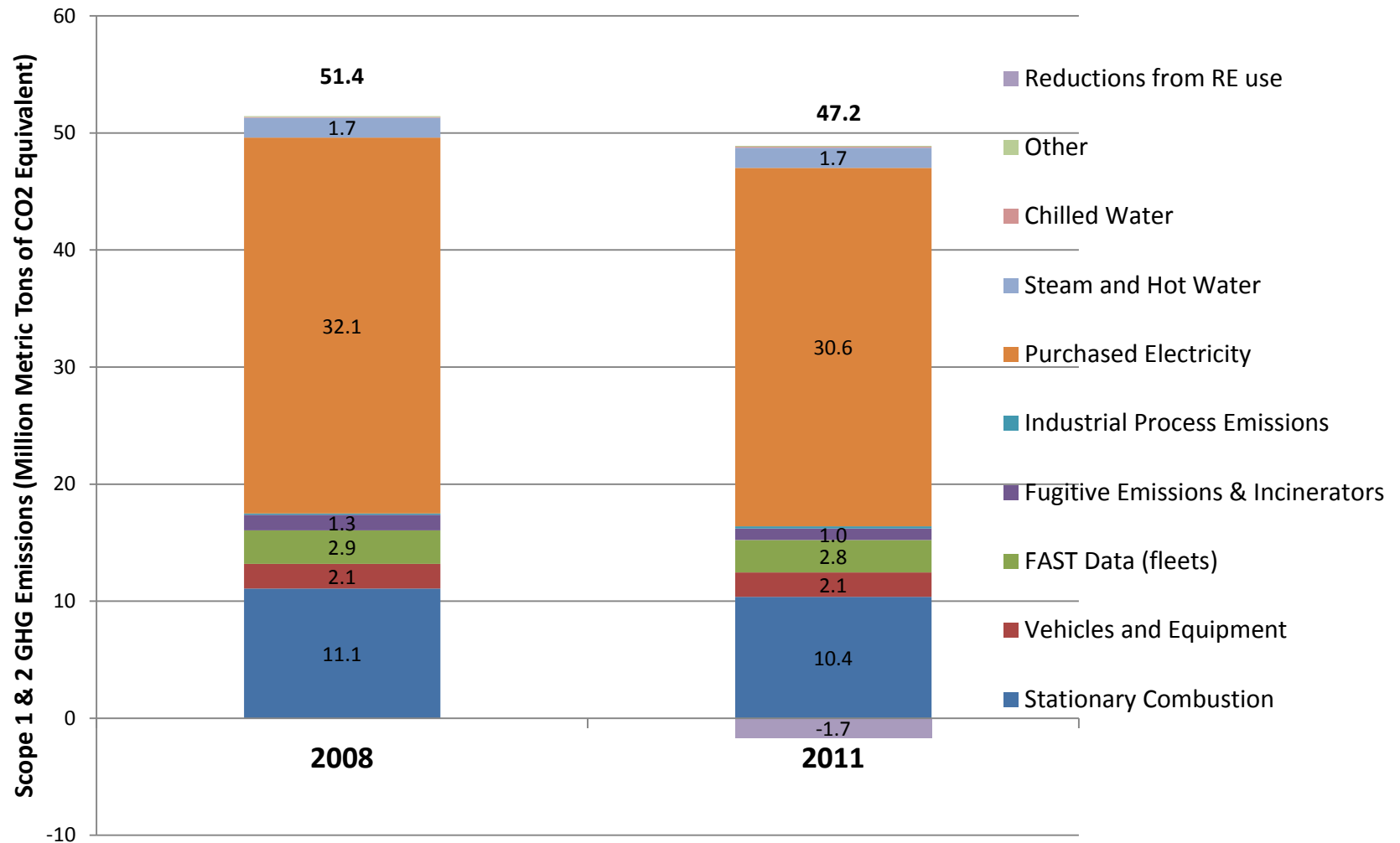
U.S. Government Progress toward Facility Energy Efficiency Goals



Federal Investment

- Presidential goal for \$2B in 24 months
- Performance based contracting
 - ESPC
 - UESC
- Strategies for Success
 - Monthly reporting by agencies
 - Tracked by White House
 - Interim Milestones
 - High-level attention

Targeted Scope 1&2 GHG Emissions



PRELIMINARY DATA

Success Story

- FEMP Standby requirements are now the defaults for ENERGY STAR products in 10 categories

Energy Efficiency Requirements for Low Standby Power Product Categories	
Product Category	Purchasing Requirements
Cordless phones	
Desktop computers, workstations, and docking stations	Buy products rated 1 watt or less in the Standby Power Data Center
Fax/printer machines	
All other product types	
Microwave ovens	Buy products rated 2 watts or less in the Standby Power Data Center
Consumer audio	
Copiers	
Displays and computer monitors	
DVD players	
Laptop and integrated computers	Buy ENERGY STAR-qualified products ¹
Multifunction imaging devices	
Printers	
Scanners	
Televisions (TVs)	
TV/VCR/DVD combos	

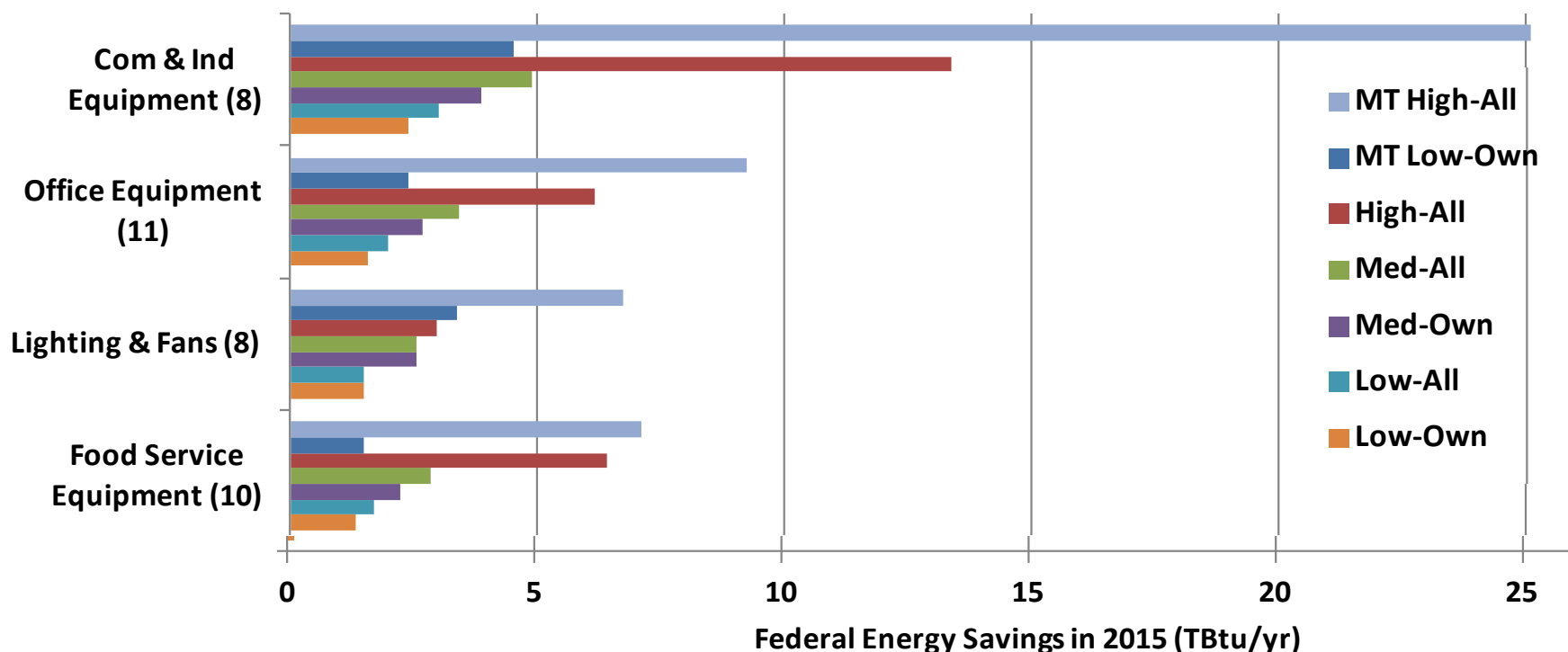
¹ For these categories, FEMP has determined that greater than 80% of ENERGY STAR-qualified products meet or exceed a 1-watt standby power requirement.

Compliance Monitoring

- FedBizOps reviews found few compliant contracts
 - 7% compliance in 2008
 - 46% compliance in 2010
- Increase in compliance attributable to:
 - automated contract writing systems
 - emphasis on 95% sustainable acquisition
 - OMB Scorecards – 5% quarterly reviews
- Past Performance – Product delivery compliance still unknown in most agencies

Savings Potential

- The U.S. Government alone could be saving over \$1B/year (56 Tbtu/year and 7 million tons CO2/year)



Best Practices

- Coordinate programs
 - Recommend ENERGY STAR for many standby power categories
 - Use common testing standards within DOE
 - Coordinate with other specification-setting organizations
- Life-cycle cost savings analysis integral to FEMP-designated and ENERGY STAR guiding principles

Challenges and Continuous Improvement

- Policies are not enough (but they help)
- Need to make purchasing easy (provide tools)
- Clarify what compliance looks like (Scorecards)
- Share Successes and Best Practices (working groups)
- Celebrate Heroes
- Make it the Norm not an add-on (part of doing business)

Next Step: Integrating Compliance+ into the Federal Government

- Target product-level market (facilities with product-specific needs not large enough to qualify for ENABLE, UESCs, or ESPCs)
- Educate facility managers through O&M training
- Educate procurement officials through mandatory training
- Integrate utility financed opportunities into existing procurement systems??
- Incorporate FAR 52.223-15 into ESPCs and other relevant contracts and develop reporting
- Demonstrate Continuous Improvement in Scorecard Reviews

QUESTIONS?
