

Cross Agency Priority Goal

Quarterly Progress Update

Climate Change (Federal Actions)

Federal Government energy consumption and energy efficiency

Goal leaders: Michael Boots, Acting Chair, Council on Environmental Quality; Dan Tangherlini, Administrator, General Services Administration



FY2014 Quarter 2

Goal Statement

More than double Federal government consumption of electricity from renewable sources to 20% by 2020 and improve energy efficiency at Federal facilities including \$4 billion in performance contracts by 2016 as part of the wider strategy to reduce the Federal Government's direct greenhouse gas emissions by 28 percent and indirect greenhouse gas emissions by 13 percent by 2020 (2008 baseline).

Urgency

- On December 5, 2013 President Obama signed a Presidential Memorandum directing the federal government to consume at least 20 percent of its electricity from renewable sources by 2020.
- In May 2014, President Obama challenged federal agencies to enter into an additional \$2 billion in performance contracts for building energy efficiency for a total commitment of \$4 billion worth of performance contracts by the end of 2016.
- In 2010, President Obama announced a Federal Government-wide target of a 28 percent reduction by 2020 in direct GHG emissions, such as those from fuels and building energy use, and a target 13 percent reduction by 2020 in indirect GHG emissions.

Vision

- The US government must lead by example. Experience shows that reductions in GHG emissions and increased consumption of renewable energy are both possible while continuing to deliver the mission and may increase mission readiness.

Progress update

Status – FY2013 data

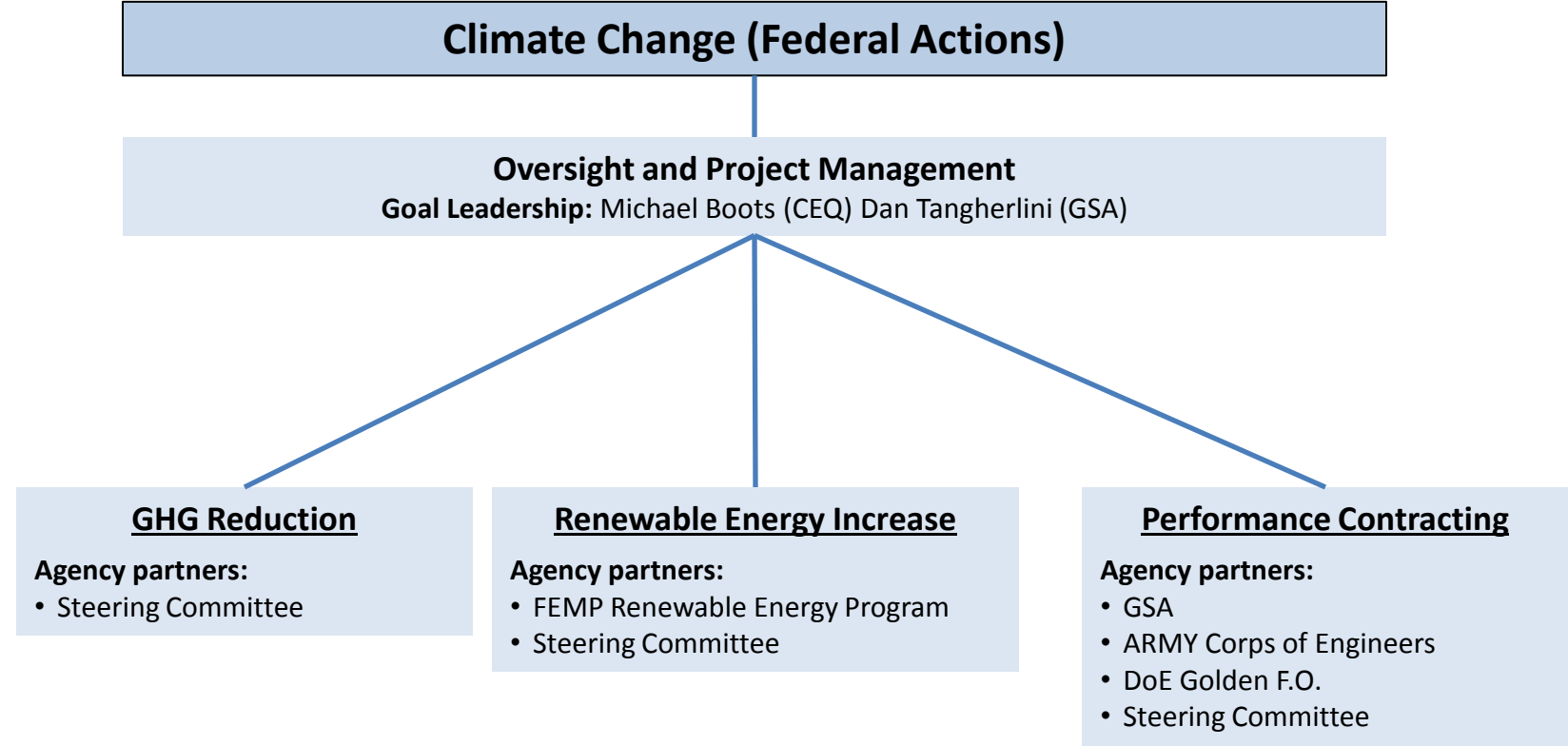
- Renewable Energy goal of 7.5% was exceeded (9.2% of total electricity use)
- Direct Greenhouse Gas (GHG) emissions declined 17.2% from FY08; Goal is 28% by 2020
- Indirect GHG emissions decreased 19.8% since FY08; Goal is 13% by 2020
- 2011 Performance Contracting Challenge resulted in \$2.7 billion in proposed projects with \$1.4 billion awarded by December, 2013. The new challenge is \$4 billion total, including the \$2.7 billion, by 2016

Progress Q2, FY2014

- Renewable Energy Guidance being drafted by DoE with broad comment and input from Federal agencies.
- Charette on Deep Energy Retrofits held with all Energy Savings Companies (ESCOs) on the DoE Master ESPC contract to review lessons learned and to develop suggestions for the next phase of the performance contracting challenge. Draft guidance completed in May, final to be issued in June, 2014
- Several meetings hosted by CEQ to identify and address challenges in achieving the performance contracting goals, concept being developed for a center of excellence to aid agencies.
- Major procurement for the largest ever Federal renewable energy/solar installation, completed jointly by DoD and GSA in Georgia.
- GHG scorecards issued by OMB

Action Plan Summary

Sub-goal	Major Actions to achieve Impact (lead agency)	Key indicators
GHG emissions: Reduce GHG emissions by the Federal government for Scope 1 and 2 by 28% by 2020	<ul style="list-style-type: none"> • Reduce GHG direct and indirect emissions (all reporting agencies) • Track GHG emissions (DoE & all reporting agencies) • Provide training for agencies in reduction techniques (DoE and GSA) • Provide training for facility managers (DoE & GSA & DoD) • Provide best practices for health care facilities (VA) 	GHG emissions inventory
Renewable Energy: Increase renewable energy consumed by the Federal government to 20% by 2020	<ul style="list-style-type: none"> • Implement renewable energy efforts at Federal facilities (all agencies where feasible) • Issue revised renewable energy guidance (DoE) • Provide procurement support for acquisition of renewable energy (GSA) • Provide guidance and advice regarding potential renewable energy projects (DoE) 	kWh renewable energy as a percent of total electrical consumption
ESPCs and UESCs: Improve energy and water efficiency in Federal building assets through the use of Energy Savings Performance Contracts (ESPCs) or Utility Energy Service Contracts (UESCs)	<ul style="list-style-type: none"> • Extend and expand 2011 Administration performance contracting goal (CEQ) • Provide guidance on deep retrofits using ESPCs and UESCs (GSA with DoE) • Provide procurement support to agencies (GSA with DoE) 	Public indicator: Total investment in energy conservation improvements



Governance: The over-arching governance is the same for all three sub-goals, and the participation at the team lead and agency partner level represents the varying specific tasks in the work plan. The co-leads will utilize the Interagency Steering Committee on Federal Sustainability to support and provide additional feedback for this goal.

Work plan

Purpose

- Mitigate the effects of Federal government operations on climate change

Barriers/Challenges

- As GHG reductions are achieved, identifying and pursuing additional reductions will require continued interagency coordination and effort. Performance contracting efforts will likewise require interagency focus to identify and resolve common process barriers.
- Renewable energy production on Federal property may be limited by the location of existing property.

Milestone Summary

Key Milestones	Milestone Due Date	Milestone status	Last quarter	Owner
Extend and expand initial ESPC/UESC challenge to Federal agencies	May 2014	Completed	N/A	CEQ
Provide guidance and assistance to agencies based on monthly reports of President's Performance Contracting Challenge (PPCC) performance by agencies	Monthly	On track	N/A	DoE/FEMP & CEQ
Provide deep energy retrofit guidance for use with ESPCs and UESCs	5/31/14	Draft complete, final expected by 6/30/14	N/A	GSA (w/FEMP)
Provide updated training on energy reduction	As needed	On track	N/A	DoE/FEMP
Issue revised guidance for renewable energy goals based on the Presidential Memorandum	June 5, 2014	In Process	N/A	DoE/FEMP
Pilot the provision of procurement support for ESPCs UESCs	6/30/14	On track	N/A	GSA (with DoE/FEMP + CEQ

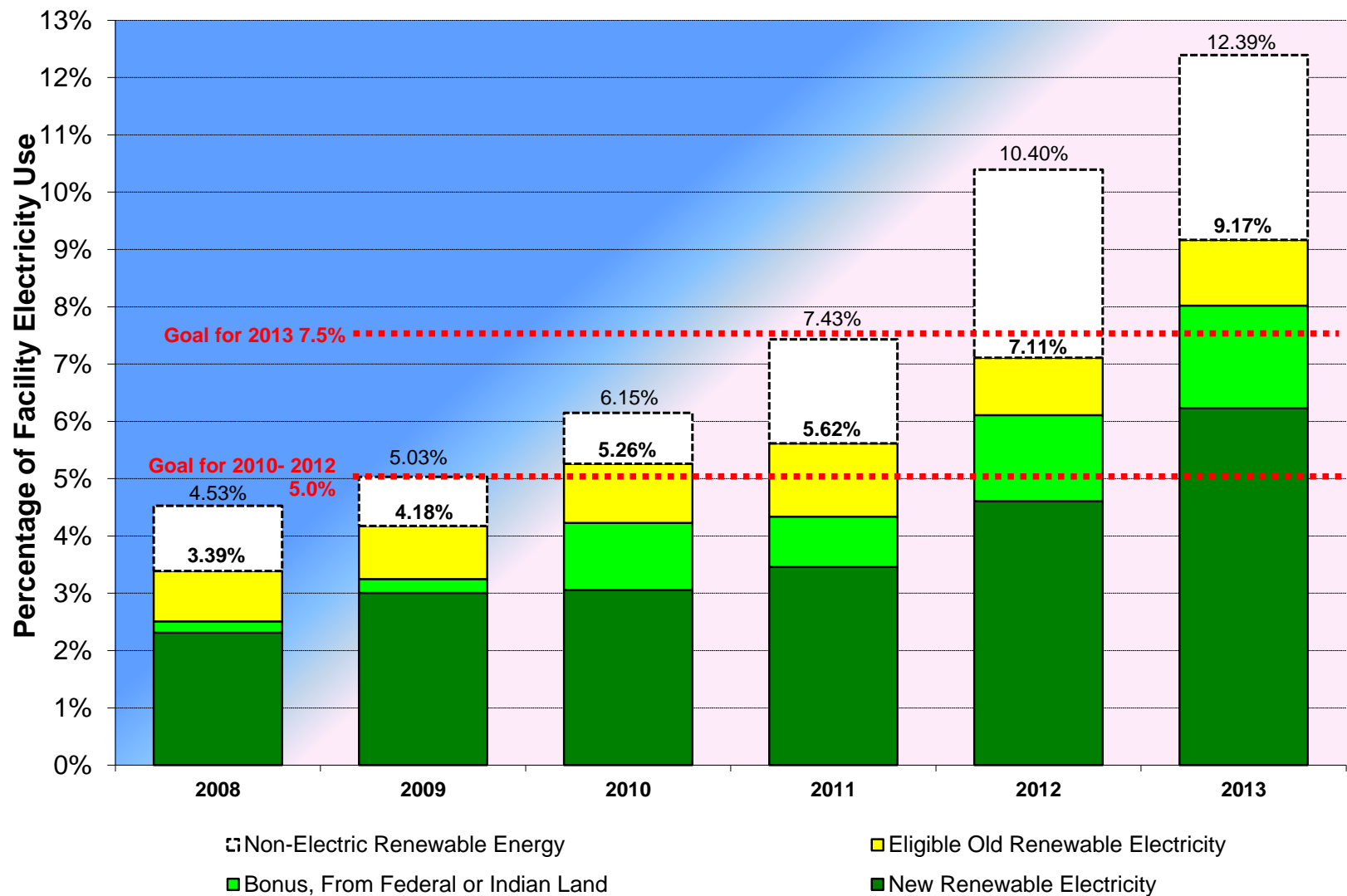
Work plan (cont.)

Milestone Summary				
Key Milestones	Milestone Due Date	Milestone status	Last quarter	Owner
Increase pilot for use of the Facility Management Institute (FMI) in facility manager training	9/30/14	On track	N/A	GSA
Provide target-setting guidance to participating/reporting agencies	TBD	On track	N/A	DoE/FEMP
Provide procurement support vehicle for Federal agencies seeking procurement of renewable energy, based on the GSA/Army joint model used at Ft. Huachuca	TBD	On track	N/A	GSA
Provide best practices for GHG reduction in health care facilities	TBD	On track	N/A	VA
Provide advice and guidance about potential renewable energy projects	TBD	On track	N/A	DoE/FEMP

Key indicators

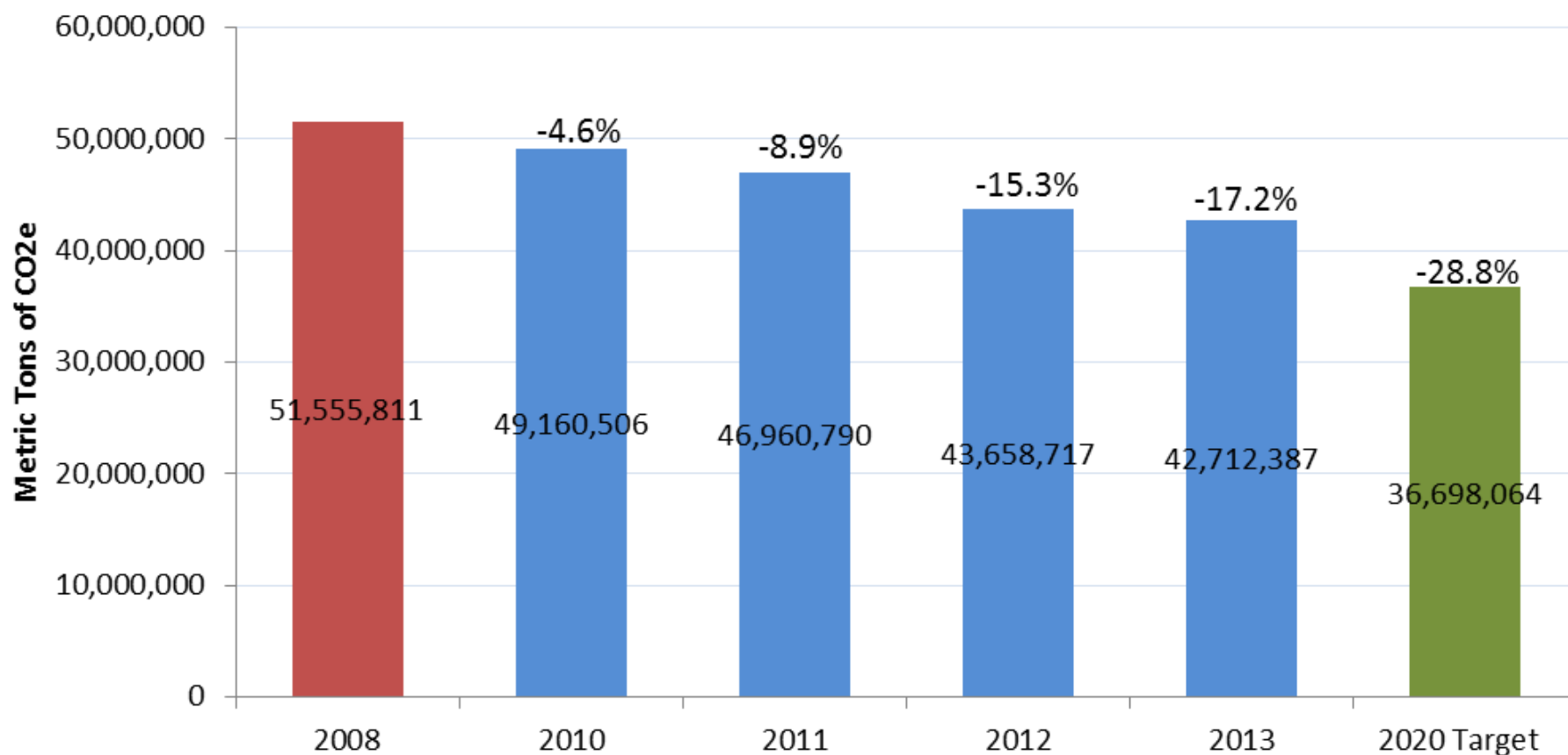
Key Implementation Data						
Indicator	Source	Baseline	Target	Frequency	Latest data	Trend
GHG emissions	DoE/FEMP	2008 (see attached chart)	-28% by 2020	Annual	2013	Down
Renewable Energy Consumed as % of total electricity consumed	DOE/FEMP	2008 (see attached chart)	+20% by 2020	Annual	2013	Up
Contract award amounts for Presidents Performance Contracting Challenge	OMB	\$2 billion (see attached chart)	<u>additional</u> \$2 billion by 2016	Annual	12/2013	Up

Renewable Energy Use, FY 2008 to FY 2013



Targeted Scope 1&2 GHG Emissions, FY 2008 - FY 2013

Federal Agency Progress toward Scope 1 & 2 Greenhouse Gas Goals



Federal Commitments to the President’s Performance Contracting Challenge

Agency	Total Commitment (\$Millions)
Department of Agriculture	37.5
Department of Commerce	12.0
Department of Defense	2,200.0
Department of Energy	275.0
Department of Homeland Security	73.2
Department of the Interior	20.0
Department of Justice	367.0
Department of Labor	3.0
Department of State	10.9
Department of Transportation	40.6
Environmental Protection Agency	5.6
General Services Administration	344.5
Department Health and Human Services	92.6
National Archives and Records Administration	15.6
National Aeronautics and Space Administration	73.9
Office of Personnel Management	2.0
Smithsonian Institution	14.6
Social Security Administration	20.0
Department of Treasury	27.6
Tennessee Valley Authority	22.5
Army Corps of Engineers	5.0
Department of Veterans Affairs	320.0

Additional background
on these commitments
may be found at
[OFEE.gov](https://www.ofee.gov)