U.S. Department of Housing & Urban Development

2013 Strategic Sustainability Performance Plan

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STRATEGIC SUSTAINABILITY PERFORMANCE PLAN

Executive Summary

The Department of Housing & Urban Development (HUD) perceives deep connections between HUD's mission of creating strong, sustainable, inclusive communities and the sustainability goals of Executive Order 13514. While HUD has a relatively small directly managed federal footprint and owns no buildings, the Department envisions great opportunity to integrate sustainability with the agency mission. This document is an overview of HUD's strategies and implementation progress toward achieving its sustainability goals.

SECTION 1: VISION

HUD's mission is to create strong, sustainable, inclusive communities and quality affordable homes for all. HUD is working to strengthen the housing market to bolster the economy and protect consumers; meet the need for quality affordable rental homes; utilize housing as a platform for improving quality of life; build inclusive and sustainable communities free from discrimination; and transform the way HUD does business.

The connections between HUD's mission and HUD's operations are deep and meaningful, and progress towards the goals of this Sustainability Plan ultimately reflects the integrity of the Department's commitment towards its mission. HUD fully intends to implement its goals in order not only to reduce the agency's carbon footprint, but also to lay the framework for a sustainable future.

The Department expects that the coming year will bring more widespread collaboration with HUD program areas. This will be accomplished through new leadership and a renewed effort to further HUD's sustainability goals and accomplishments.

SECTION 2: LEADERSHIP

HUD's Deputy Secretary recently assumed the role of Senior Sustainability Officer (SSO). In the coming years, HUD looks forward to continuing to work on Administration priorities with new leadership from the Deputy Secretary.

The Department will continue to strive to fully integrate and link sustainability practices between different areas of HUD operations and embed them into appropriate program level contexts. HUD's Office of Sustainable Housing & Communities and the Office of Facilities Management Services both play key leadership roles in promoting and implementing sustainability. The ongoing and future collaboration with the new Senior Sustainability Officer will allow for meaningful evolution of current practices towards higher standards of sustainability.

SECTION 3: PERFORMANCE REVIEW

Goal 1: Greenhouse Gas (GHG) Reduction

Goal Description

Executive Order 13514 establishes that agencies will set a percentage reduction target for agency-wide reductions of scope 1 and 2 greenhouse gas emissions in absolute terms by fiscal year 2020, relative to a fiscal year 2008 baseline. These emissions refer to actions for both buildings and fleet vehicles. HUD's FY 2008 total Scope 1 and 2 emission baseline is 20,283 MTCO2. The FY 2020 goal for Scope 1 and Scope 2 is 10,671 MTC02, a reduction of 47.4 percent.

Executive Order 13514 also requires agencies to establish and report a percentage reduction target for agency-wide scope 3 greenhouse gas emissions in absolute terms by fiscal year 2020, relative to a fiscal year 2008 baseline. HUD's goal is to reduce agency-wide scope 3 greenhouse gas emissions by 16.2 percent by FY 2020.

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- Annual GHG Inventory and Energy Data Report
- OMB Scorecard
- DOE Annual Federal Fleet Report to Congress
- Climate Change Adaptation Plan
- Fleet Management Plan

b. EVALUATION MEASURES

- Progress toward achieving FY2020 goals for GHG reduction targets for Scopes 1, 2 & 3
- Facility energy intensity reduction
- Use of renewable energy
- Reduction in fleet petroleum use
- Indirect emissions such as Federal Commuting (Scope 3)

c. SUCCESSES

- Reduced Scope 1&2 GHG by 47.9% exceeding the FY 2020 goal
- Reduced Scope 3 GHG by 16.1% and on track to meet FY 2020 goals
- Completed Phase 2 & 3 of ESPC (HVAC and building envelope improvements)
- Completed domestic hot water connection to natural gas boiler; decommissioned purchased steam system.
- Provided training on new Energy Management Control System (EMCS) to the HUD Building Operations staff

d. CHALLENGES

- Additional funding needs for hazardous materials abatement needed to complete the ESPC. *Note- HUD has made great progress in reserving funding for this work, however the unexpected complexity of the abatement created additional funding requirements in every phase.
- HUD Law Enforcement exempted fleet vehicles
- Coordination of ESPC building improvements with building occupants- large occupant moves to swing spaces

e. LESSONS LEARNED

- HUD performed a hazardous materials survey to determine the level of abatement needed for the ESPC which proved to be inadequate- additional effort for upfront testing and investigative work would have prevented project schedule delays.

f. PLANNED ACTIONS

- Complete Phase #5 & 6 of the building HVAC retrofits, fan coil removal and building envelop improvements
- Complete commissioning and functional testing of the new HUD Headquarters boiler system
- Complete chiller control installation for HUD Headquarter's main chillers
- Turn over maintenance responsibility ESPC Phase #1-4 to HUD maintenance
- Develop policy on minimizing business travel
- Review Federal Commuter Survey and identify trends and/or opportunities
- Implement Capitol Bikeshare member subsidy program
- Perform feasibility research and collect vendor information for potential bikeshare station

Goal 2: Sustainable Buildings

Goal Description

E.O. 13514 requires that by FY 2015, 15 percent of agencies' new, existing, and leased buildings greater than 5,000 square feet meet the Guiding Principles. In order to meet the FY 2015 goal, agencies should have increased the percentage of conforming buildings by approximately 2 percent annually from their FY 2007 baseline. HUD's primary object in achieving this goal is to fully implement the sustainability guiding principles at HUD Headquarters building and to seek LEED accreditation.

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- EISA Section 432 Facility Evaluations/Project Reporting/Benchmarking
- OMB Scorecards
- Annual GHG Inventory and Energy Data Report

b. EVALUATION MEASURES

- Facility energy intensity reduction
- Use of renewable energy
- Percentage of owned and Federal Real Property Profile (FRPP) reported leased building that meet sustainability guiding principles

c. SUCCESSES

- HUD and GSA currently are completing a project that renovates approximately 30% of the 2nd floor of the HUD Headquarters building. The renovation includes an open space layout and will be LEED accredited.
- Complete installation of condensing boiler heating system and domestic hot water connection
- Phase 2 & 3 of ESPC (HVAC and building envelope improvements)

d. CHALLENGES

- HUD does not own any buildings and does not construct new federal buildings, nor does the agency report in FRPP. The agency does not make site selection decisions. HUD has requested that GSA include the sustainability guiding principles into all leases entered into on behalf of HUD.

e. LESSONS LEARNED

N/A- None at this time.

f. PLANNED ACTIONS

- HUD Facilities will work with GSA and the construction contractor to commission, accept, and occupy the aforementioned renovated space by 12/31/13.
- Train at least 50% of the Building Operations Staff on sustainability and energy management by 3/1/14.

Goal 3: Fleet Management

Goal Description

E.O. 13514 and the Energy Independence and Security Act of 2007 (EISA) require that by FY 2015 agencies reduce fleet petroleum use by 20 percent compared to a FY 2005 baseline. Agencies are expected to achieve at least a 2 percent annual reduction and a 30 percent reduction is required by FY 2020.

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- Annual GHG Inventory and Energy Data Report
- OMB Scorecard
- DOE Annual Federal Fleet Report to Congress
- Climate Change Adaptation Plan
- Fleet Management Plan

b. EVALUATION MEASURES

- Petroleum use reduction
- Alternative fuel use

c. SUCCESSES

- Right-sizing fleet- 58% of vehicles identified for replacement will be replaced with compact or sub-compact
- Exceeded fleet petroleum use reduction targets- 72.2% reduction

d. CHALLENGES

- Exemption of HUD Law Enforcement Vehicles- *Note- The agency SSO is committed to reviewing and validating current Law Enforcement Exemptions during the next reporting cycle.

e. LESSONS LEARNED

N/A- None at this time.

e. PLANNED ACTIONS

- Perform Vehicle Allocation Methodology (VAM) on eligible HUD Fleet.
- Implement a pilot shared vehicle program
- Replace eligible vehicles with high efficiency alternatives.
- Continue to promote the use of alternative fuels in all areas where available.

Goal 4: Water Use Efficiency and Management

Goal Description

HUD has set a goal to reduce its potable water consumption usage by 16% in FY 2015, and 26% in FY 2020 from a FY 2007 base year. HUD also will strive to reduce its Industrial, Landscaping, and Agricultural water consumption by 10% by FY 2015, and 20% by FY 2020.

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- OMB Scorecards
- EISA Section 432 Facility Evaluations/Project Reporting/Benchmarking
- Annual GHG Inventory and Energy Data Report

b. EVALUATION MEASURES

- Potable water reduction

c. SUCCESSES

- 15.7% reduction in potable water use intensity and on track for 2020 goal of 26% reduction.

d. CHALLENGES

- Regular process water drain downs for ESPC construction have contributed to excess water use.

e. LESSONS LEARNED

- Through the ESPC, HUD was able to complete water saving retrofits building wide. This also included large flush pedal style urinals that would have been difficult and cost prohibitive to replace. Through field testing/trials the ESPC contractor was able to find compatible flush kits and the agency was able to add the retrofits to the project.

f. PLANNED ACTIONS

- Perform commissioning, measurement and verification through utility bill analysis
- Perform feasibility assessment for water capture system.
- Perform Quality Assurance monitoring to ensure O&M contractors are tour building mechanical areas, immediately reporting and repairing leaks.

Goal 5: Pollution Prevention and Waste Reduction

Goal Description

E.O. 13514 requires that Federal agencies promote pollution prevention and eliminate waste. The E.O. requires agencies to minimize the use of toxic and hazardous chemicals and pursue acceptable alternatives. It also requires agencies to minimize waste generation through source reduction, increase diversion of compostable materials, and by the end of FY 2015 to divert at least 50% of non-hazardous and 50% of construction and demolition debris.

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- OMB Scorecards
- EISA Section 432 Facility Evaluations/Project Reporting/Benchmarking
- Annual GHG Inventory and Energy Data Report

b. EVALUATION MEASURES

- Non-hazardous Waste Diversion
- Construction and Demolition Waste Diversion

c. SUCCESSES

- Although not tracked, the HUD's ESPC contractor is salvaging and diverting construction and demolition waste as much as possible.
- HUD's comingle recycling program has been fundamental in diverting non-hazardous waste

d. CHALLENGES

- Opportunities to increase sorting and subsequently recycling will require contract modifications

e. LESSONS LEARNED

N/A- None at this time.

f. PLANNED ACTIONS

- Review and evaluate HUD maintenance refrigerant management program
- Coordinate with HUD Building Services division to reduce the use of chemicals (cleaners and pest management)

- Develop agency chemical inventory

Goal 6: Sustainable Acquisition

Goal Description

E.O. 13514 requires agencies to advance sustainable acquisition and ensure that 95 percent of applicable new contract actions meet federal mandates for acquiring products that are energy efficient, water efficient, biobased, environmentally preferable, non-ozone depleting, recycled content, or are non-toxic or less toxic alternatives, where these products meet performance requirements. To monitor performance, agencies perform quarterly reviews of at least 5 percent of applicable new contract actions to determine if sustainable acquisition requirements are included

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- OMB Scorecards
- Bio-Based Purchasing Strategy

b. EVALUATION MEASURES

- Demonstrate a 95% rate of compliance sustainable acquisition requirements for eligible contracts.

c. SUCCESSES

- 100% compliance for FY2012 3rd Quarter
- OCPO has mandated that all office supplies are purchased using Federal Strategic Sourcing Initiative (FSSI) vehicles which are biobased and green compliant. Currently achieving a 91% compliance rate for FSSI purchases of office supplies.

d. CHALLENGES

- HUD's previous Bio-base purchasing strategy did not adequately establish a baseline for compliance; accordingly the strategy has been revised and submitted as an attachment to this plan.

e. LESSONS LEARNED

- HUD uses intranet webpages to increase and maintain environmental purchasing/sustainable acquisition awareness.

f. PLANNED ACTIONS

- Complete compliance audits for Quarters 3 & 4
- Update environmental purchasing and sustainable acquisition intranet pages by July 31, 2013

Goal 7: Electronic Stewardship and Data Centers

Goal Description

E.O. 13514 requires agencies to promote electronics stewardship by: ensuring procurement preference for EPEAT-registered products; implementing policies to enable power management, duplex printing, and other energy-efficient features; employing environmentally sound practices with respect to the disposition of electronic products; procuring Energy Star and FEMP designated electronics; and, implementing best management practices for data center operations.

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- OMB Scorecards
- Sustainable Acquisition/Bio-Based Purchasing Strategy
- Data Center Consolidation

b. EVALUATION MEASURES

- Percentage of covered electronics that are FEMP designated and Energy Star Qualified
- Percentage of covered electronics that are EPEAT-registered
- Percentage of eligible equipment with power management enabled
- Percentage of eligible printing devices with duplex printing enabled
- Reduction in agency data centers

c. SUCCESSES

- Duplex printing is enabled on all networked printers
- Automated power management is enabled for all computers and printers across the Enterprise
- HUD IT Services contracts require EPEAT-registered and energy-efficient products

d. CHALLENGES

- HUD has fully outsourced its infrastructure via two fixed price, performance based managed services contracts. The data center resources are Contractor-Owned / Contractor-Operated (CO/CO)

e. LESSONS LEARNED

- N/A- None at this time.

f. PLANNED ACTIONS

- Verify electronics disposition practices and compliance with existing policies for environmentally sound disposition practices

- Perform compliance monitoring to ensure leased equipment is EPEAT-registered

Goal 8: Renewable Energy

Goal Description

E.O. 13514 requires that agencies increase use of renewable energy. Further, EPACT 2005 requires agencies to increase renewable energy use such that 7.5 percent of the agency's total electricity consumption is generated by renewable energy sources for FY 2013 and beyond. For FY 2012, the required target was 5 percent of an agency's total electricity consumption.

a. INTEGRATION

- Annual GHG Inventory and Energy Data Report
- OMB Scorecard
- Climate Change Adaptation Plan

b. EVALUATION MEASURES

- 5 % of total electricity purchases from qualified renewable energy sources; 7.5% for FY13 and beyond

c. SUCCESSES

- HUD participated in the GSA area wide utilities agreement which secures electricity pricing for multiple buildings in the region and includes REC purchases for the HUD Headquarters.

d. CHALLENGES

- HUD does not purchase energy for any of its other leased buildings.
- HUD does not have opportunities to use other federal sites for renewable energy production

e. LESSONS LEARNED

- HUD's planned Energy Conservation Measures (ECMs) to install Solar Photovoltaics and Solar Domestic Hot Water Heating were not allowed to move forward because the building roof does not have the structural capacity to support these systems.

f. PLANNED ACTIONS

- HUD will continue to participate in the GSA area wide utilities agreement which secures electricity pricing for multiple buildings in the region and includes REC purchases for the HUD Headquarters.

Goal 9: Climate Change Resilience

Goal Description

E.O. 13514 requires each agency to evaluate agency climate change risks and vulnerabilities to identify and manage the effects of climate change on the agency's operations and mission in both the short and long term.

a. INTEGRATION

The following agency policies, planning documents and/or related reporting documents are integrated with HUD's accomplishment of this goal:

- Climate Change Adaptation Plan
- Agency Emergency Response Procedures
- Agency Workforce Protocols

b. EVALUATION MEASURES

- Implementation of action items described in the agency Climate Change Adaptation Plan

c. SUCCESSES

- Successfully developed the HUD Climate Change Adaptation Plan which identifies regional climate vulnerabilities and lays the framework for future adjustments in operation that will be necessary for mitigating the risks associated with climate change.

d. CHALLENGES

- Coordination between multiple program offices and regions in order to properly identify and evaluate the potential effects of climate change on HUD's mission.

e. LESSONS LEARNED

- The development of a taskforce for the specific purpose of developing the Climate Change Adaptation Plan has been instrumental in accomplishing the agency's goals.

f. PLANNED ACTIONS

- Encourage environmental field staff to stay informed of different regional climate change initiatives.
- The Climate Change Task Force will utilize the information established by the HUD Climate Change Adaptation Plan to identify vulnerable communities. This information, along with relevant action items, will be included in the agency's update to the Climate Change Adaptation Plan.
- Assemble the Climate Change Task Force to evaluate the implementation status of pending actions established by the Climate Change Adaptation Plan and complete the 2013 update to the plan.

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Agency Climate Change Resilience

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HUD 2013 Fleet Management Plan

Size & Scope of Agency Operations

Table 1: Agency Size & Scope

Agency Size & Scope	FY 2011	FY 2012
Total Number of Employees as Reported in the President's Budget	9,665	9,014
Total Acres of Land Managed	0	0
Total Number of Buildings Owned	0	0
Total Number of Buildings Leased (GSA and Non-GSA Lease)	122	122
Total Buildings Gross Square Feet (GSF)	4,277,361	4,090,021
Operates in Number of Locations Throughout U.S.	108	82
Operates in Number of Locations Outside of U.S.	0	0
Total Number of Fleet Vehicles Owned	0	0
Total Number of Fleet Vehicles Leased	378	386
Total Number of Exempted-Fleet Vehicles (Tactical, Law Enforcement, Emergency, Etc.)	263	217
Total Amount Contracts Awarded as Reported in FPDS ($Millions)	1677	2177

Goal 1: Greenhouse Gas (GHG) Reduction

Agency Progress toward Scope 1 & 2 GHG Goals

E.O. 13514 requires each agency establish a Scope 1 & 2 GHG emission reduction target to be achieved by FY 2020. The red bar represents the agency's FY 2008 baseline. The green bar represents the FY 2020 target reduction. The blue bars represent annual agency progress towards achieving this target. The percentage at the top of each bar represents the reduction or increase from the FY 2008 baseline. A negative percentage value indicates that the emissions have decreased compared to the 2008 baseline.

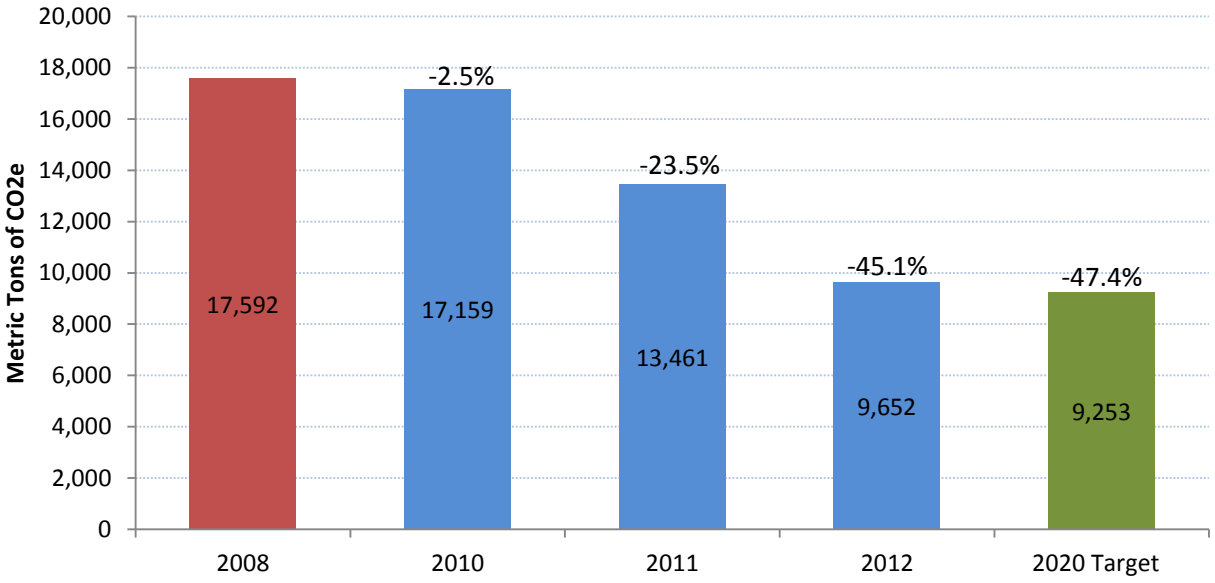

Metric Tons of CO2e
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
17,592
-2.5%
17,159
-23.5%
13,461
-45.1%
9,652
-47.4%
9,253
2008
2010
2011
2012
2020 Target

Table 1-1: Goal 1 Strategies - Scope 1 & 2 GHG Reductions

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Use the FEMP GHG emission report to identify/target high emission categories and implement specific actions to resolve high emission areas identified.	No	This is not considered a Top 5 strategy since HUD only reports energy for one building which is currently undergoing major energy improvements and retrofits.	
Ensure that all major renovations and new building designs are 30% more efficient than applicable code.	No	This is not considered a Top 5 strategy because HUD does not frequently perform new building designs or major renovations. The agency's efforts to reduce Scope 1&2 GHG Emissions are largely based on the completion of the HUD Headquarters ESPC.	
Implement in EISA 432 covered facilities all lifecycle cost effective ECMs identified.	Yes	Implement HUD Headquarters ESPC- ECMs that were identified in HUD's only covered facilty, the headquarters building, are being implemented as part of the HUD Headquarters ESPC.	1) Complete Phase #5 & 6 of the building HVAC retrofits, fan coil unit removal and building envelope improvements.
Reduce on-site fossil-fuel consumption by installing more efficient boilers, generators, furnaces, etc. and/or use renewable fuels.	Yes	Decommission Purchased Steam- HUD has installed a new condensing boiler system that provides hot water heating for both process water and domestic hot water. The installation was completed as part of the HUD Headquaters ESPC.	1) Complete commissioning and functional testing of the new HUD Headquarters boilers and hot water heating system. 2) Turn over operation and maintenance responsiblity to HUD's in house maintenance contractor.
Reduce grid-supplied electricity consumption by improving/upgrading motors, boilers, HVAC, chillers, compressors, lighting, etc.	Yes	Implement HUD Headquarters ESPC including improvements and upgrades for lighting, boilers, HVAC, chillers, compressors, lighting, etc.	1) Complete new chiller control installation for main building chillers. 2) Complete Phase # 5&6 of the building HVAC retrofits 3) Complete commissioning and functional

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
			testing for Phase #1-4 HVAC retrofits
Employ operations and management best practices for energy consuming and emission generating equipment.	Yes	Operation and Maintenance Best Practices- During the upcoming reporting period HUD will be transferring operation and maintenance responsiblity for the new boiler system and the office spaces with upgraded HVAC to the HUD in-house maintenance contractor	1) Provide maintenance manuals and operational guidelines to the O&M contractor and make contract changes as necessary to ensure compliance with new requirements.
Install building utility meters and benchmark performance to track energy and continuously optimize performance.	Yes	Integrate advanced meters with new Energy Management Control System (EMCS)	1) Connect advanced electric meters and new natural gas meter to the EMCS system.

Agency Progress towards Scope 3 GHG Goal

E.O. 13514 requires each agency establish a Scope 3 GHG emission reduction target to be achieved by FY 2020. The red bar represents the agency's FY 2008 baseline. The green bar represents the FY 2020 reduction target. The blue bars represent annual agency progress on achieving this target. The percentage at the top of each bar represents the reduction or increase from the FY 2008 baseline. A negative percentage value indicates that the emissions have been decreased compared to the FY 2008 baseline.

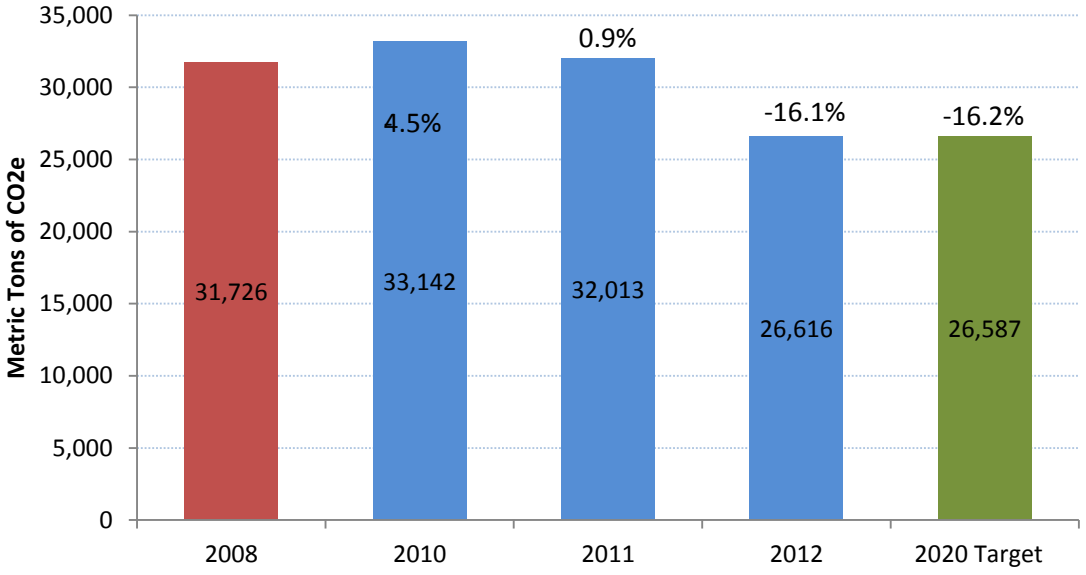

35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Metric Tons of CO2e
31,726
33,142
4.5%
32,013
0.9%
26,616
-16.1%
26,587
-16.2%
2008
2010
2011
2012
2020 Target

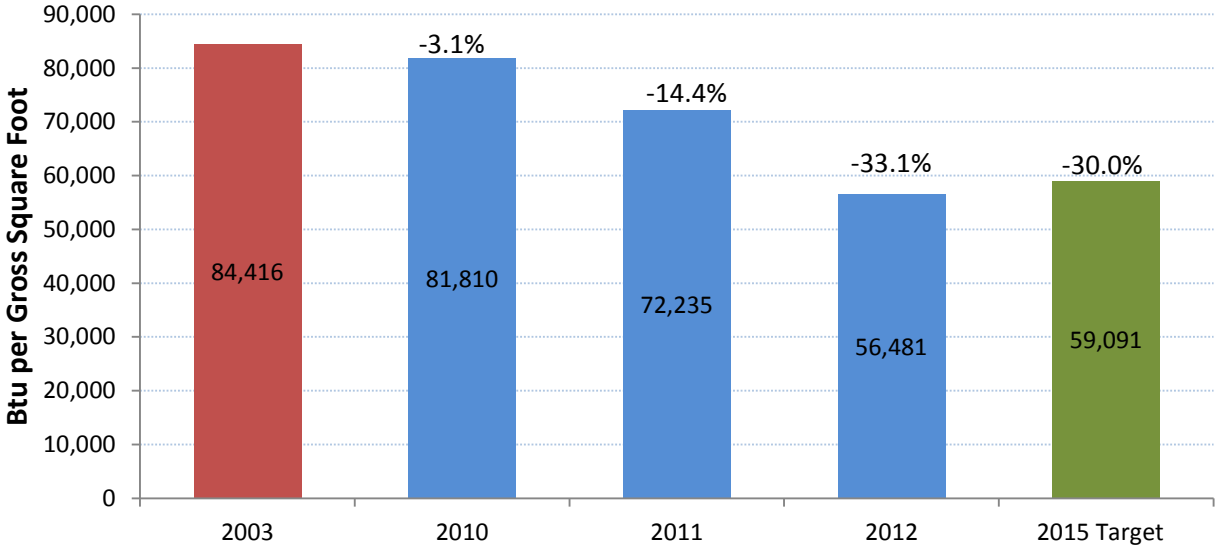
Table 1-2: Goal 1 Strategies - Scope 3 GHG Reductions

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Reduce employee business ground travel.	Yes	Promote minimizing business travel and the use of virtual teleconference (VTC).	1) Develop agency policy signed by Strategic Sustainability Officer (SSO) by 12/31/13
Reduce employee business air travel.	Yes	Promote minimizing business travel and the use of virtual teleconference (VTC).	1) Develop agency policy signed by Strategic Sustainability Officer (SSO) by 12/31/13
Develop and deploy employee commuter reduction plan.	No	This strategy will be implemented as part of the 2014 Sustainability Plan.	
Use employee commuting survey to identify opportunities and strategies for reducing commuter emissions.	Yes	Review recently corrected commuter surveys to identify trends or opportunities	1) Perform survey review and identify specific strategies (if any) by 12/31/13
Increase number of employees eligible for telework and/or the total number of days teleworked.	No	This is not currently a Top 5 strategy. HUD will be coordinating with its Telework Management Officers to develop strategies to increase telework.	
Develop and implement bicycle commuter program.	Yes	During the upcoming reporting period HUD will be working to develop a program that will provide subsidies for Capitol Bikeshare memberships.	1) Successful implementation of the HUD subsidy program for Capitol Bikeshare membership
Provide bicycle commuting infrastructure.	Yes	HUD is working to determine the feasibility of installing a bikeshare station at HUD in addition to the existing employee bicycle storage area.	1) Complete feasiblity research, collect vendor information, coordinate with GSA (building owner), and reserve necessary funding for bikeshare station.

Goal 2: Sustainable Buildings

Agency Progress toward Facility Energy Intensity Reduction Goal

E.O. 13514 Section 2 requires that agencies consider building energy intensity reductions. Further, the Energy Independence and Security Act of 2007 (EISA) requires each agency to reduce energy intensity 30 percent by FY 2015 as compared to the FY 2003 baseline. Agencies are expected to reduce energy intensity by 3 percent annually to meet the goal. The red bar represents the agency's FY 2003 baseline. The green bar represents the FY 2015 target reduction. The blue bars show annual agency progress on achieving this target. The percentage at the top of each bar represents the reduction or increase from the FY 2003 baseline. A negative percentage value indicates that the energy intensity has been decreased compared to the FY 2003 baseline.


Btu per Gross Square Foot
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
84,416
-3.1%
81,810
-14.4%
72,235
-33.1%
56,481
-30.0%
59,091
2003
2010
2011
2012
2015 Target

Agency Progress toward Total Buildings Meeting the Guiding Principles

E.O. 13514 requires that by FY 2015, 15 percent of agencies' new, existing, and leased buildings greater than 5,000 square feet meet the Guiding Principles. In order to meet the FY 2015 goal, agencies should have increased the percentage of conforming buildings by approximately 2 percent annually from their FY 2007 baseline. The green bar represents the FY 2015 target. The blue bars represent annual agency progress on achieving this target.

Figure 2-2

Table 2: Goal 2 Strategies – Sustainable Buildings

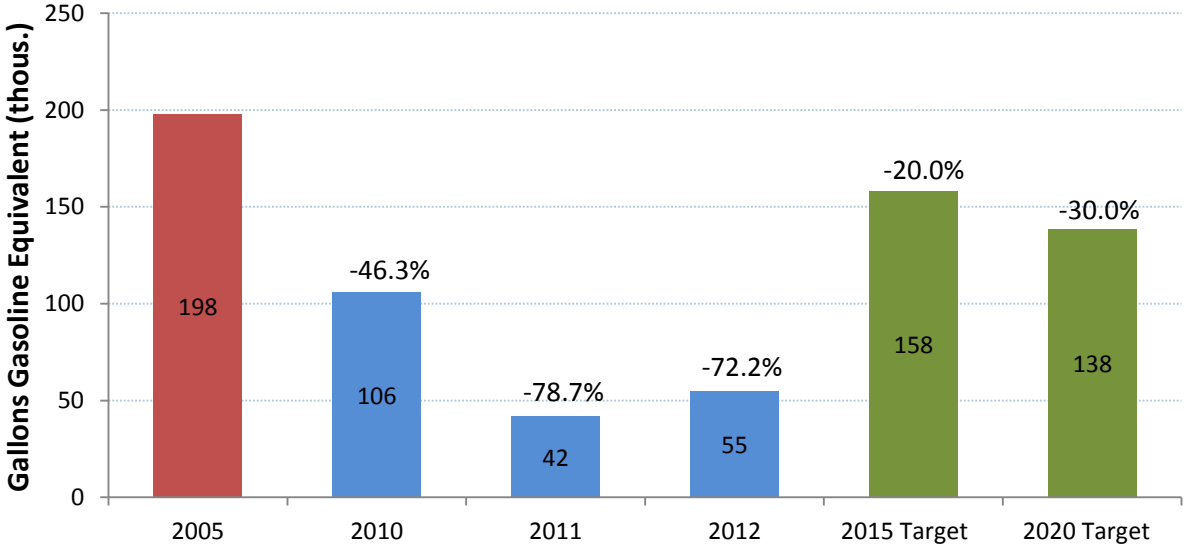
(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Incorporate green building specifications into all new construction and major renovation projects.	NA	HUD does not own any facilities, all buildings are GSA leases. HUD currently has a MOU in place with GSA to ensure that new leases entered on behalf of HUD include "green" lease language.	
Redesign or lease interior space to reduce energy use by daylighting, space optimization, sensors/control system installation, etc.	Yes	Through a coordinated effort between HUD and GSA, approximately 30% of the HUD Headquarters Building 2nd floor is currently being renovated. The renovated space will include an open space layout and will be LEED accredited.	1) HUD Facilities will work with GSA and the construction contractor to commission, accept, and occupy the space by 12/31/13.
Deploy CEQ's Implementing Instructions - Sustainable Locations for Federal Facilities.	NA	Agency has no plans to build or lease new facilities.	
Include in every construction contract all applicable sustainable acquisition requirements for recycled, biobased, energy efficient, and environmentally preferable products.	NA	HUD does not own any facilities, all buildings are GSA leases. HUD currently has an MOU in place with GSA to ensure that new leases entered on behalf of HUD include "green" lease language. HUD will request that GSA construction contracts entered for HUD facilities include sustainable acquisition requirements.	

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Develop and deploy energy and sustainability training for all facility and energy managers.	Yes	Provide training Operation and Maintenance Best Practices for HUD Building Operations personnel	1) Train at least 50% of the Building Operations Staff by 12/31/13.

Goal 3: Fleet Management

Agency Progress toward Fleet Petroleum Use Reduction Goal

E.O. 13514 and the Energy Independence and Security Act of 2007 (EISA) require that by FY 2015 agencies reduce fleet petroleum use by 20 percent compared to a FY 2005 baseline. Agencies are expected to achieve at least a 2 percent annual reduction and a 30 percent reduction is required by FY 2020. The red bar represents the agency's FY 2005 baseline. The green bars represent the FY 2015 and FY 2020 target reductions. The blue bars represent annual agency progress on achieving these targets. The percentage at the top of each bar represents the reduction or increase from the FY 2005 baseline. A negative percentage indicates an decrease in fleet petroleum use.


Gallons Gasoline Equivalent (thous.)
250
200
150
100
50
0
198
-46.3%
106
-78.7%
42
-72.2%
55
-20.0%
158
-30.0%
138
2005
2010
2011
2012
2015 Target
2020 Target

Agency Progress toward Fleet Alternative Fuel Consumption Goal

E.O. 13423 requires that agencies increase total alternative fuel consumption by 10 percent annually from the prior year starting in FY 2005. By FY 2015, agencies must increase alternative fuel use by 159.4 percent, relative to FY 2005. The red bar represents the agency's FY 2005 baseline. The green bar represents the FY 2015 target. The blue bars represent annual agency progress on achieving this target. The percentage at the top of each bar represents the reduction or increase from the FY 2005 baseline. A negative percentage indicates a decrease in fleet alternative fuel use.

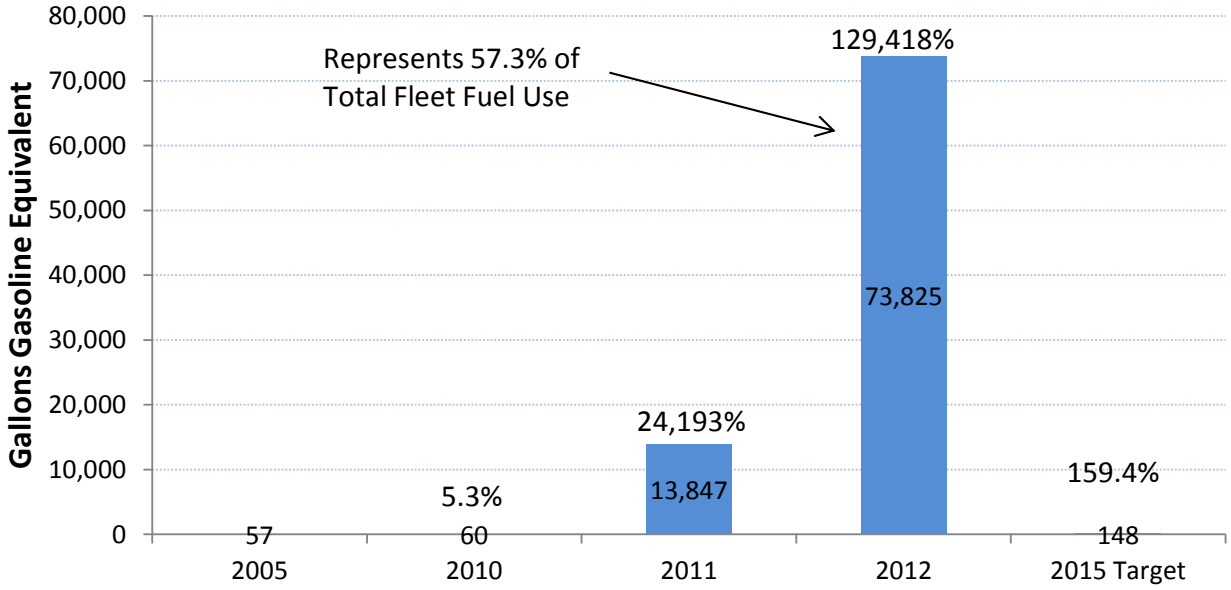

Gallons Gasoline Equivalent
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Represents 57.3% of
Total Fleet Fuel Use
129,418%
73,825
24,193%
13,847
5.3%
159.4%
57
60
148
2005
2010
2011
2012
2015 Target

Table 3: Goal 3 Strategies – Fleet Management

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Optimize/Rightsize the composition of the fleet (e.g., reduce vehicle size, eliminate underutilized vehicles, acquire and locate vehicles to match local fuel infrastructure).	Yes	Perform Vehicle Allocation Methodology (VAM) on eligible HUD Fleet.	1) Complete VAM by 12/31/13
Reduce miles traveled (e.g., share vehicles, improve routing with telematics, eliminate trips, improve scheduling, use shuttles, etc.).	Yes	Implement a pilot shared vehicle program	1) Complete 90 day pilot program with ZipCar by 9/30/13
Acquire only highly fuel-efficient, low greenhouse gas-emitting vehicles and alternative fuel vehicles (AFVs).	Yes	Replace eligible vehicles with high efficiency alternatives.	1) During FY14 vehicles that are eligible for replacement will be replaced with high efficiency or alternative fuel vehicles.
Increase utilization of alternative fuel in dual-fuel vehicles.	NA	The agency is currently exceeding its goals for alternative fuel use. HUD will continue to promote the use of alternative fuels in all areas where available.	
Use a Fleet Management Information System to track fuel consumption throughout the year for agency-owned, GSA-leased, and commercially-leased vehicles.	No	HUD is using the GSA Fleet Drive-thru management system	
Increase GSA leased vehicles and decrease agency-owned fleet vehicles, when cost effective.	NA	All agency fleet vehicles are currently leased.	

Goal 4: Water Use Efficiency & Management

Agency Progress toward Potable Water Intensity Reduction Goal

E.O. 13514 requires agencies to reduce potable water intensity by 2 percent annually through FY 2020 compared to an FY 2007 baseline. A 16 percent reduction is required by FY 2015 and a 26 percent reduction is required by FY 2020. The red bar represents the agency's FY 2007 baseline. The green bars represent the FY 2015 and FY 2020 target reductions. The blue bars represent annual agency progress on achieving these targets. The percentage at the top of each bar represents the reduction or increase from the FY 2007 baseline. A negative percentage value indicates that portable water use intensity has decreased compared to the FY 2007 baseline.

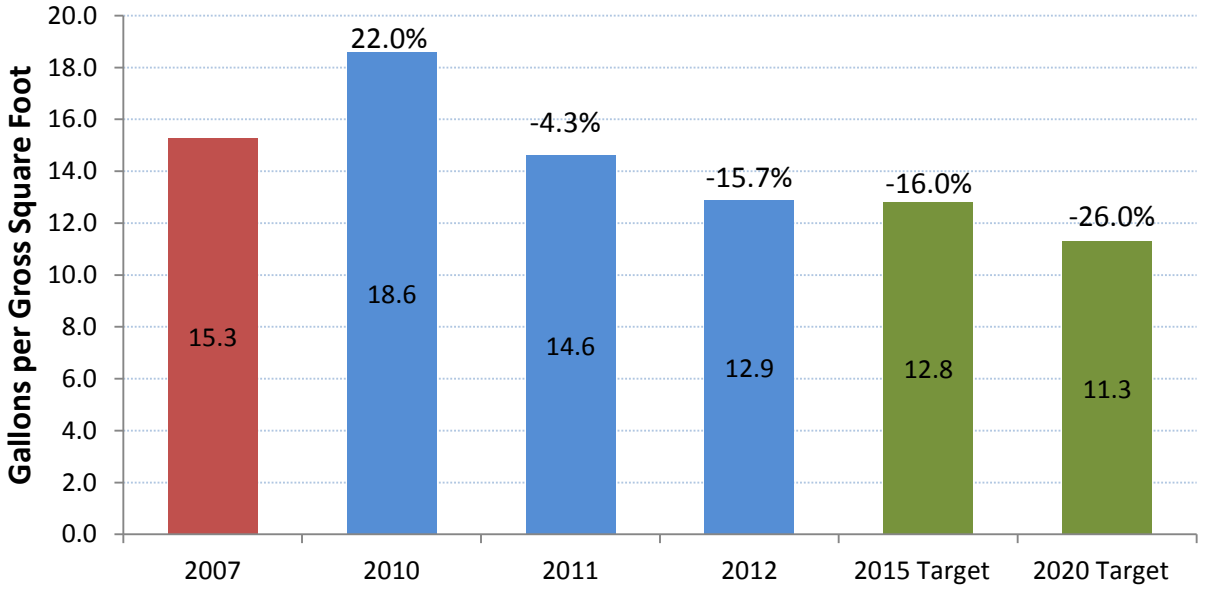

Gallons per Gross Square Foot
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
15.3
22.0%
18.6
-4.3%
14.6
-15.7%
12.9
-16.0%
12.8
-26.0%
11.3
2007
2010
2011
2012
2015 Target
2020 Target

Table 4: Goal 4 Strategies – Water Use Efficiency & Management

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Purchase and install water efficient technologies (e.g., Waterwise, low-flow water fixtures and aeration devices).	NA	HUD has already performed a building wide retrofit of water fixtures with low flow water savings devices.	1) Perform commissioning, measurement and verification through bill analysis by 12/31/13.
Develop and deploy operational controls for leak detection including a distribution system audit, leak detection, and repair programs.	Yes	HUD onsite operation and maintenance personnel are responsible for daily tours to detect and repair leaks.	1) Perform Quality Assurance monitoring to ensure O&M contractors are touring building mechanical areas, immediately reporting and repairing leaks.
Design, install, and maintain landscape to reduce water use.	NA	The agency has minimal landscaping at its only leased facility. HUD will work with GSA to explore the possibility of installing replacement landscaping that requires minimal watering such as Xeriscaping.	
Design and deploy water closed-loop, capture, recharge, and/or reclamation systems.	No	This is not a considered a top priority. During the next reporting cycle HUD will determine the feasibility of installing a water capture system at the HUD Headquarters Facility.	1) Perform feasibility assessment for water capture system by 3/1/14.
Install meters to measure and monitor industrial, landscaping, and agricultural water use.	NA	Irrigation water is already metered at the HUD Headquarters facility.	

Goal 5: Pollution Prevention & Waste Reduction

Agency Progress toward Pollution Prevention & Waste Reduction

E.O. 13514 requires that Federal agencies promote pollution prevention and eliminate waste. The E.O. requires agencies to minimize the use of toxic and hazardous chemicals and pursue acceptable alternatives. It also requires

agencies minimize waste generation through source reduction, increase diversion of compostable materials, and by the end of FY 2015 divert at least 50% of non-hazardous and 50% of construction and demolition debris.

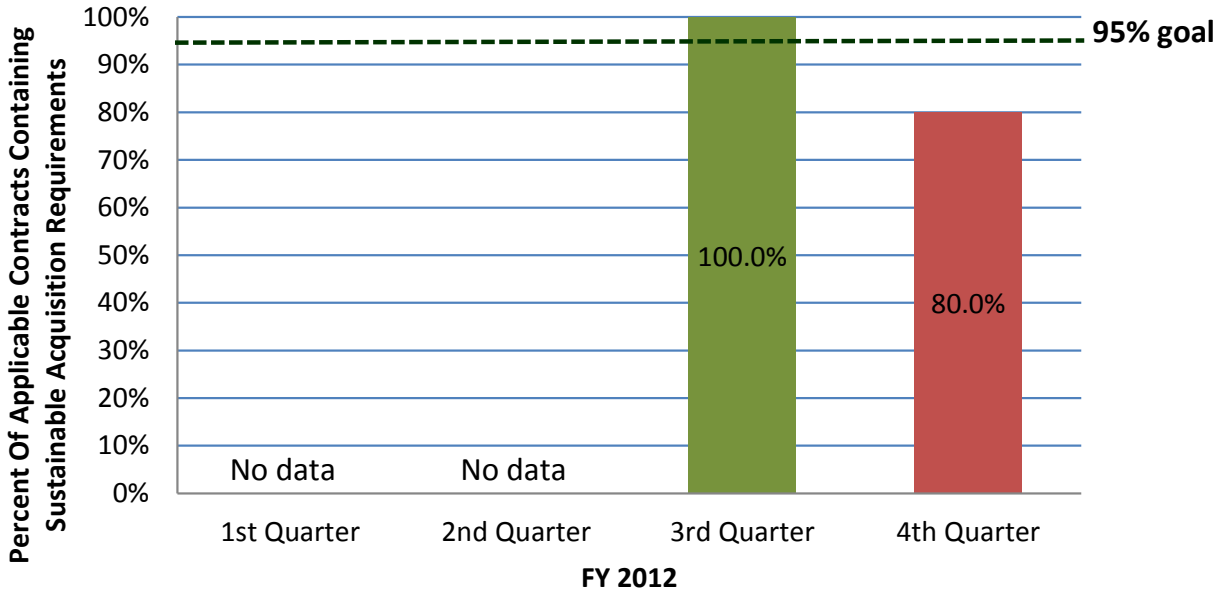
Table 5: Goal 5 Strategies – Pollution Prevention & Waste Reduction

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Eliminate, reduce, or recover refrigerants and other fugitive emissions.	Yes	Review and evaluate refrigerant monitoring program	1) Perform complete review of the refrigerant recovery and monitoring program. 2) Implement corrective actions by 3/1/2014.
Reduce waste generation through elimination, source reduction, and recycling.	Yes	HUD currently uses a comingle recycling system	1) Review current comingle recycling for opportunities to improve by 12/31/13 2) Review waste stream for waste reduction opportunities by 3/1/14
Implement integrated pest management and improved landscape management practices to reduce and eliminate the use of toxic and hazardous chemicals/materials.	Yes	HUD will work with its Building Services division to implement integrated pest management practices	1) Review current pest managment practices and develop an imprvement plan by 3/1/14.
Establish a tracking and reporting system for construction and demolition debris elimination.	No	HUD performs minimal construction in the HUD Headuarters building. HUD will coordinate with its Space Management Division on the feasiblity of implementing a tracking system for waste created by minor space alterations performed by the agency.	
Develop/revise Agency Chemicals Inventory Plans and identify and deploy chemical elimination, substitution, and/or management opportunities.	Yes	HUD will develop a Chemical Inventory Plan	1) Develop Chemical Inventory Plan by 3/1/14.

Goal 6: Sustainable Acquisition

Agency Progress toward Sustainable Acquisition Goal

E.O. 13514 requires agencies to advance sustainable acquisition and ensure that 95 percent of applicable new contract actions meet federal mandates for acquiring products that are energy efficient, water efficient, biobased, environmentally preferable, non-ozone depleting, recycled content, or are non-toxic or less toxic alternatives, where these products meet performance requirements. To monitor performance, agencies perform quarterly reviews of at least 5 percent of applicable new contract actions to determine if sustainable acquisition requirements are included.


Percent Of Applicable Contracts Containing Sustainable Acquisition Requirements
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
95% goal
100.0%
80.0%
No data
No data
1st Quarter
2nd Quarter
3rd Quarter
4th Quarter
FY 2012

Federal Procurement Data System Standard Reports on Biopreferred Procurement Actions

The Federal Procurement Data System (FPDS) is used by federal agencies to record and manage contract actions. On the pie chart below, the blue area represents the total number of contract actions reported by the agency in FPDS in FY 2012 that are "applicable" to the sustainable procurement requirements. Applicable contract actions are new domestic contracts, task and delivery orders, excluding weapons systems and those actions that are unlikely to use biobased products (e.g., research and social development contracts, education and training, social services, and the lease or rental of equipment). The green area represents the total number of applicable contract actions that the agency reported in FPDS as containing biobased product requirements.

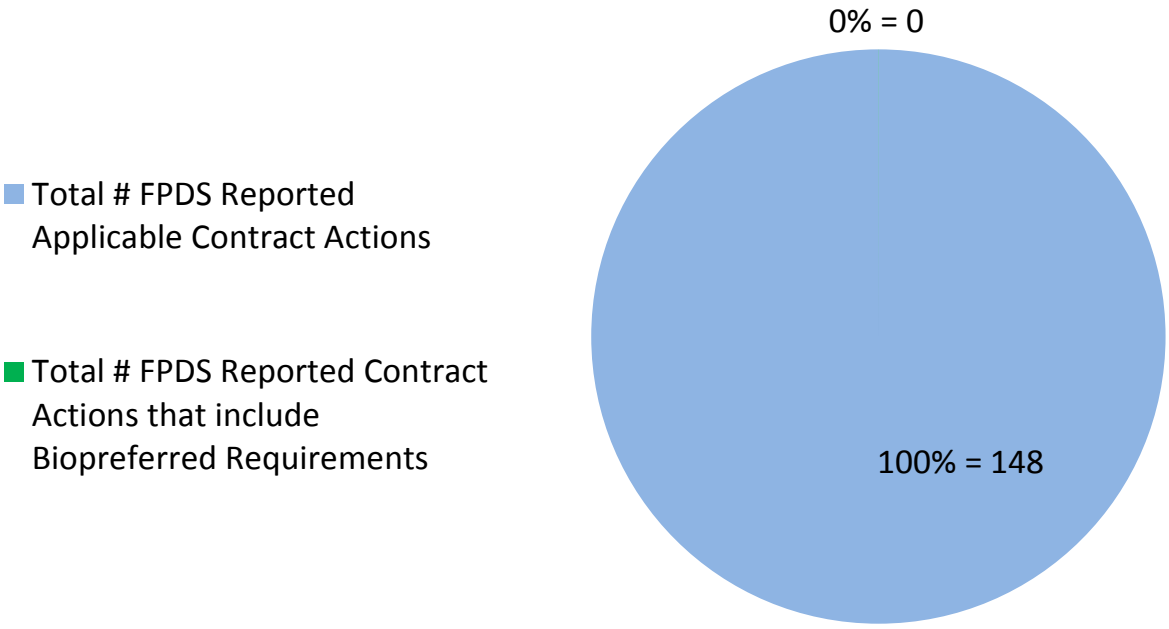

0% = 0
Total # FPDS Reported Applicable Contract Actions
Total # FPDS Reported Contract Actions that include Biopreferred Requirements
100% = 148

Table 6: Goal 6 Strategies – Sustainable Acquisition

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Update and deploy agency procurement policies and programs to ensure that federally-mandated designated sustainable products are included in all relevant procurements and services.	Yes	HUD intends to maintain compliance through centralizing, updating and maintaining its intranet Web pages on Environmental Consciousness throughout HUD to reflect all requirements listed in HUD's APP plan with various links to recycled content products, environmental preferable products, biobased products and energy conservation products and others	The Web pages have been updated and are in the process of being reviewed. They will be uploaded by July 31, 2013
Deploy corrective actions to address identified barriers to increasing sustainable procurements with special emphasis on biobased purchasing.	No	OCPO has not identified any barriers at this time.	
Include biobased and other FAR sustainability clauses in all applicable construction and other relevant service contracts.	Yes	Include FAR requirements for energy efficient, biobased and other relevant sustainability factors in all new contract actions, as appropriate.	OCPO's Risk Management and Compliance Unit will perform quarterly reviews beginning July 1, 2013 to ensure the appropriate clauses are contained in contracts requiring biobased and sustainable products. The first review will establish the baseline and incremental improvements will be established thereafter, e.g. 10% per quarter until full compliance is achieved.
Review and update agency specifications to include and encourage biobased and other designated green products to	Yes	CPO COs, during Interagency Acquisition Team meetings, will discuss necessary specification updates regarding biobased and green products. OCPO will encourage acquisition staff	OCPO will seek to achieve training of 25% of the appropriate acquisition staff during FY13.

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
enable meeting sustainable acquisition goals.		to attend targeted training regarding biobased and green products so they can knowledgeably advise their program offices.	
Use Federal Strategic Sourcing Initiatives, such as Blanket Purchase Agreements (BPAs) for office products and imaging equipment, which include sustainable acquisition requirements.	Yes	OCPO has mandated that all office supplies are purchased using FSSI vehicles which are biobased and green compliant. OCPO conducts monthly sampling to ensure compliance with this mandate.	HUD is currently at 91% compliance on using FSSI for office supplies. We will seek to improve 10% over the next 12 months.
Report on sustainability compliance in contractor performance reviews.	No	To facilitate contract compliance, OCPO intends to partner with industry to further facilitate compliance by issuing a flyer to contractors (and request they notify subcontractors,) who are potential users of biobased and other greening materials in performance of HUD contracts, that identifies the statutory and regulatory requirements. OCPO developed a flyer and is working on putting together a mailing list to ensure that it goes to the appropriate vendors.	It is anticipated that it will be issued sometime in the 4th quarter of FY 2013.

Goal 7: Electronic Stewardship & Data Centers

Agency Progress toward EPEAT, Power Management & End of Life Goals

E.O. 13514 requires agencies to promote electronics stewardship by: ensuring procurement preference for EPEAT-registered products; implementing policies to enable power management, duplex printing, and other energy-efficient features; employing environmentally sound practices with respect to the disposition of electronic products; procuring Energy Star and FEMP designated electronics; and, implementing best management practices for data center operations.

EPEAT	POWER MANAGEMENT	END-OF-LIFE	COMMENTS

EPEAT:

	95% or more Monitors and PCs/Laptops purchased in FY2012 was EPEAT Compliant Agency-wide
	85-94% or more Monitors and PCs/Laptops purchased in FY2012 was EPEAT Compliant Agency-wide
	84% or less Monitors and PCs/Laptops purchased in FY2012 was EPEAT Compliant Agency-wide

Power Management:

	100% Power Management Enabled Computers, Laptops and Monitors Agency-wide
	90-99% Power Management Enabled Computers, Laptops and Monitors Agency-wide
	89% or less Power Management Enabled Computers, Laptops and Monitors Agency-wide

End-of-Life:

	100% of Electronics at end-of-life disposed through GSA Xcess, CFL, Unicor or Certified Recycler (R2, E-Stewards)
	100% of Electronics at end-of-life disposed through GSA Xcess, CFL, Unicor and/or non-Certified Recycler
	Less than 100% of Electronics at end-of-life disposed through GSA Xcess, CFL, Unicor or non-Certified Recycler

Table 7: Goal 7 Strategies – Electronic Stewardship & Data Centers

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Identify agency "Core" and "Non-Core" Data Centers.	NA	Since 2005, HUD has operated in a fully outsourced infrastructure mode with two vendors providing consolidated departmental IT operations in hosting, storage, data transport, user environments and systems integration. HUD has achieved its goal of consolidation and does not plan further consolidation of its existing base of contracts and the contractors have no plans to consolidate their efforts	
Consolidate 40% of agency Non-Core Data Centers.	NA	HUD has fully outsourced its infrastructure via two fixed price, performance based managed services contracts. The data center resources are Contractor-Owned / Contractor-Operated (CO/CO).	
Optimize agency Core Data Centers across total cost of ownership metrics.	NA	Same as above.	
Ensure that power management, duplex printing, and other energy efficiency or environmentally preferable options and features are enabled on all eligible electronics and monitor compliance.	Yes	HUD IT Services contracts require EPEAT-registered and energy-efficient products. HUD will include EPEAT requirements in new infrastructure contracts when purchasing energy-consuming products covered by EPEAT.	1) Duplex Printing – Duplex printing is enabled on all networked printers that are reducing paper consumption and energy usage. 2) Power management - Automated power management is enabled for all computers and printers across the Enterprise. Automated power management provides remote management of power, ensuring less consumption when not needed and

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
			thus lower electricity consumption levels.
Update and deploy policies to use environmentally sound practices for disposition of all agency excess or surplus electronic products, including use of certified eSteward and/or R2 electronic recyclers, and monitor compliance.	Yes	Ensure existing policies are followed	1) Review property dispositions to verify compliance with HUD's affirmative procurement policy allowing only certified recyclers
Ensure acquisition of 95% EPEAT registered and 100% of ENERGY STAR qualified and FEMP designated electronic office products.	Yes	HUD IT Services contracts require EPEAT-registered and energy-efficient products. HUD will include EPEAT requirements in new infrastructure contracts when purchasing energy-consuming products covered by EPEAT.	1) Ensure that all leased equipment is EPEAT certified through random compliance monitoring

Goal 8: Renewable Energy

Agency Renewable Energy Percentage of Total Electricity Usage

E.O. 13514 requires that agencies increase use of renewable energy. Further, EPACT 2005 requires agencies to increase renewable energy use such that 7.5 percent of the agency's total electricity consumption is generated by renewable energy sources for FY 2013 and beyond. For FY 2012, the required target was 5 percent of an agency's total electricity consumption.

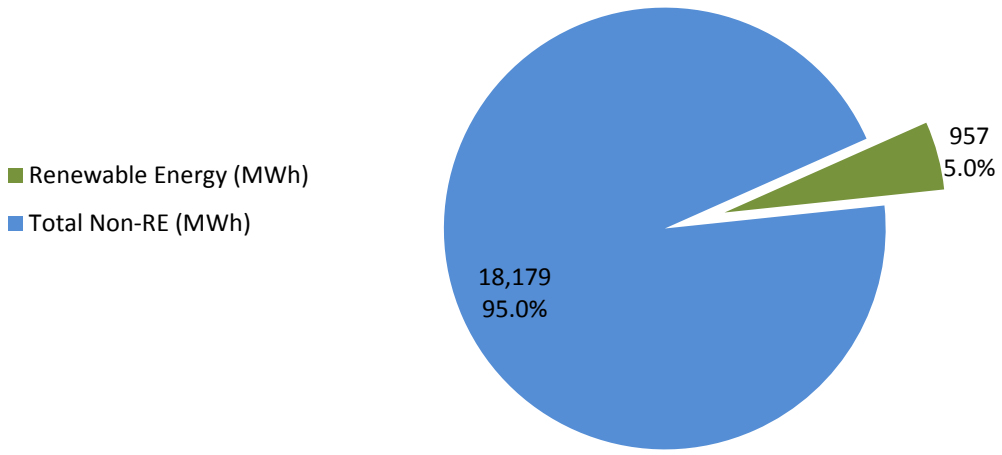

Renewable Energy (MWh)
Total Non-RE (MWh)
957
5.0%
18,179
95.0%

Table 8: Goal 8 Strategies – Renewable Energy

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Purchase renewable energy directly or through Renewable Energy Credits (RECs).	NA	HUD will continue to participate in the GSA areawide utilities agreement which secures electricity pricing for multiple buildings in the region and includes REC purchases for the HUD Headquarters. HUD does not purchase energy for any of its other buildings which are leased and managed through GSA.	
Install onsite renewable energy on federal sites.	NA	HUD does not own any federal sites.	
Lease land for renewable energy infrastructure.	NA	HUD does not own any land that can be leased.	
Develop biomass capacity for energy generation.	NA	HUD does not have any feasible opportunities to implement this strategy.	
Utilize performance contracting methodologies for implementing ECMs and increasing renewable energy.	NA	HUD's planned ECMs to install Solar Photovoltaics and Solar Domestic Hot Water Heating were not allowed to move forward because the building roof does not have the structural capacity to support these systems.	
Work with other agencies to create volume discount incentives for increased renewable energy purchases.	NA	HUD will continue to participate in the GSA areawide utilities agreement which secures electricity pricing for multiple buildings in the region and includes REC purchases for the HUD Headquarters. HUD does not purchase energy for any of its other buildings which are leased and managed through GSA.areawide utilities agreement which secures electricity pricing for multiple buildings in the region and includes REC pur-	

(A) Will the agency implement the following strategies to achieve this goal?	(B) Top 5? Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
		chases for the HUD Headquarters. HUD does not purchase energy for any of its other leased buildings.	

Goal 9: Climate Change Resilience

Agency Climate Change Resilience

E.O. 13514 requires each agency to evaluate agency climate change risks and vulnerabilities to identify and manage the effects of climate change on the agency's operations and mission in both the short and long term.

Table 9: Goal 9 Strategies – Climate Change Resilience

(A) Will the agency implement the following strategies to achieve this goal?	(B) Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Ensure climate change adaptation is integrated into both agency-wide and regional planning efforts, in coordination with other Federal agencies as well as state and local partners, Tribal governments, and private stakeholders.	Yes	HUD's Climate Change Task Force will utilize HUD's existing network of Regional Sustainability Officers (RSO) at regional and field locations to accomplish this strategy.	1) Establish and conduct quarterly meetings with RSOs by 12/31/13 2) Identify specific agency planning efforts that require climate consideration (i.e. high flood hazard development)
Update agency emergency response procedures and protocols to account for projected climate change, including extreme weather events.	Yes	HUD plans to work with GSA (where applicable) and HUD designees to update emergency response procedures to account for climate change.	1) Develop agency wide instruction for emergency response planning updates by 12/31/13

(A) Will the agency implement the following strategies to achieve this goal?	(B) Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Ensure workforce protocols and policies reflect projected human health and safety impacts of climate change.	Yes	Evaluate current policy and protocols for possible linkages with Climate Change and incorporate consideration for health and safety impacts as necessary.	1) The HUD Climate change Task Force will work with Regional Sustainability and/or Safety Officers to update policies and protocols.
Update agency external programs and policies (including grants, loans, technical assistance, etc.) to incentivize planning for, and addressing the impacts of, climate change.	Yes	HUD's Climate Change Task Force will work with appropriate program areas to accomplish this strategy and include actions in the Climate Change Adaptation Plan update.	1) Update the Climate Change Adaptation Plan by 10/1/13 (tentative).
Ensure agency principals demonstrate commitment to adaptation efforts through internal communications and policies.	Yes	The Climate Change Task Force will work with the SSO to ensure that awareness and commitment to adaptation efforts are priority.	
Identify vulnerable communities that are served by agency mission and are potentially impacted by climate change and identify measures to address those vulnerabilities where possible.	Yes	HUD's Climate Change Adaptation Plan identifies regions throughout the nation that are susceptible to the effects of climate change.	1) The Climate Change Task Force will utilize the information established by the HUD Climate Change Adaptation Plan to identify vulnerable communities. This information, along with relevant action items, will be included in the agency's update to the Climate Change Adaptation Plan.
Ensure that agency climate adaptation and resilience policies and programs reflect best available current climate change science, updated as necessary	Yes	HUD will use its Climate Change Task Force to accomplish this strategy	1) Update the existing Climate Change Adaptation Plan and relevant policies.

(A) Will the agency implement the following strategies to achieve this goal?	(B) Yes/No/NA	(C) Strategy Narrative	(D) Specific targets/metrics to measure strategy success including milestones to be achieved in next 12 months
Design and construct new or modify/manage existing agency facilities and/or infrastructure to account for the potential impacts of projected climate change.	NA	All agency facilities are leased through GSA. HUD does not construct new buildings or perform major renovations. However, notably HUD is performing energy efficiency upgrades to its headquarters building which is the only building the agency has authority to operate.	
Incorporate climate preparedness and resilience into planning and implementation guidelines for agency-implemented projects.	NA		

U.S. Department of Housing & Urban Development
Biobased Purchasing Strategy

Version 2013

On February 21, 2012, President Obama signed a Memorandum, *Driving Innovation and Creating Jobs in Rural America through Biobased and Sustainable Product Procurement. The memorandum requires all federal agencies to undertake a number of activities to increase their purchase of biobased products.*

The following information is submitted as Appendix C, Biobased Purchasing Strategy for the Department of Housing and Urban Development (HUD):

HUD *is moving to implement the Presidential Memorandum requirements.* The HUD Office of Chief Procurement Officer (OCPO) has, through its Federal Procurement Data System (FPDS) Independent Validation and Verification (IV&V) reviews, looked at the Affirmative Procurement Plan (APP) compliance within HUD's acquisitions. The results of the Affirmative Procurement Plan have been forwarded to the Office of Federal Procurement Policy along with the FPDS IV&V results.

HUD established its baseline for biobased contracting through its quarterly audits of green purchasing for the 1st and 2nd quarters of FY 2013. Quarterly audits for the 1st and 2nd quarters were in 100% compliance with FAR Part 23, Executive Order 13423 and HUD's affirmative action plan. OCPO's Risk Management and Compliance Unit will perform quarterly reviews beginning July 1, 2013 to ensure the appropriate clauses are contained in contracts requiring biobased and sustainable products. This review will establish HUD's baseline and incremental improvement targets will be developed as a result.

In terms of ensuring a knowledgeable workforce, HUD intends to maintain compliance through centralizing, updating and maintaining its intranet Web pages on Environmental Consciousness throughout HUD to reflect all requirements listed in HUD's APP plan with various links to recycled content products, environmental preferable products, biobased products and energy conservation products and others. The Web pages have been updated and are in the process of being reviewed. They will be uploaded by July 31, 2013.

OCPO Office of Policy, Systems and Risk Management issued a signal on June 6, 2013 to inform CPO staff about the new electronic product environmental assessment tool (EPEAT) registered products that will help staff meet the requirements in Federal Acquisition Regulation (FAR) Subpart 23.7 and Executive Order (EO) 13514, Federal Leadership in Environmental, Energy, and Economic Performance. In addition to personal computers (PCs), laptops, and monitors, two new product categories have been added to the list of EPEAT registered products – televisions and imaging equipment (e.g., fax machines, printers, copiers, etc.).

HUD will also encourage staff to take green purchasing training as part of their continuous learning requirements. HUD's OCPO Risk Management and Compliance Unit has identified several courses through the Defense Acquisition University (DAU) and the Federal Acquisition Institute (FAI) These courses offer an overview of the policies, requirements and best practices for purchasing sustainable products and services.

As a result of these efforts, HUD expects the acquisition workforce to be more educated and have the necessary at-hand resources to maintain compliance.

HUD will ensure that staff includes biobased and other FAR sustainability clauses in all relevant service contracts. We will also ensure compliance through our annual FPDS IV&V reviews, as well as the quarterly assessments conducted by our Risk Management and Compliance Unit.

HUD has mandated that all office supplies will be purchased using Federal Strategic sourcing initiatives vehicles which include sustainable acquisition requirements. OCPO monitors compliance through monthly reviews of our Government-wide purchase card transactions.

Finally, HUD intends to partner with industry to further facilitate compliance by issuing a flyer to contractors (and request they notify subcontractors,) who are potential users of biobased and other greening materials in performance of HUD contracts, that identifies the statutory and regulatory requirements. The flyer has been developed and we are working on putting together a mailing list ensure that it goes to the appropriate vendors. It is anticipated that it will be issued sometime in the 4th quarter of FY 2013.

U.S. Department of Housing & Urban Development
Fleet Management Plan

Version 2013

On May 24, 2011, the President issued a Presidential Memorandum-Federal Fleet Performance. In it, the President stated that the Federal Government has "a responsibility to American citizens to lead by example and contribute to meeting our national goals of reducing oil imports by 2025 and putting one million advanced vehicles on the road by 2015."

From the direction of the President, the General Services Administration (GSA) was instructed to complete a Vehicle Allocation Methodology (VAM). The purpose of the VAM is to achieve a Federal fleet that is comprised of smaller more efficient, less greenhouse gas (GHG) emitting vehicles that operate primarily on alternative fuels by the year of 2015. GSA provided Housing and Urban Development (HUD) with the following recommendations based on the results of the VAM:

Subsequently, the following recommendations were made based on the information submitted in the VAM report:

- Review and validate exemptions and consider drastic reductions of vehicles exempted from the VAM studies.
- Seek fleet reductions in excess of the 9 percent, and incorporate exempt vehicles in the right sizing of the fleet.
- Utilize the Department of Energy (DOE) tools to increase the use of alternative fuel.
- Look for opportunities to use share fleet on demand services.

In an effort to achieve the goals established in Executive Order 13423 and Executive Order 13514, HUD will incorporate the GSA recommendations to ensure that we meet the goals. HUD is currently in the process of reviewing exempted vehicles and implementing a reduction strategy that will not only reduce the amount of vehicles but also reduce the size of larger vehicles that produce greater GHG emissions.

As of last year HUD has a reduction of 50 vehicles to our overall fleet, which is a 11% reduction. The Department will increase that reduction to accomplish an overall 15% reduction, by 2015. To accomplish this goal, HUD will have to reduce its total fleet by an additional 10 vehicles. HUD will utilize the recommendations outlined by GSA to achieve the 15% reduction goal.

Currently HUD has a total of 385 vehicles, (213- Law Enforcement, 4- Secretary, 168-Office of Field Resources and Administration (OFAR). This represents an overall fleet reduction of 4% when compared to 2012. HUD is on track to exceed its overall percentage reduction goal FY 2015.

HUD has now included the reduction of HUD OIG vehicles, currently there is a 5% reduction in the OIG. HUD's Strategic Sustainability Officer (SSO) is committed to reviewing and validating current Law Enforcement Exemptions during the upcoming reporting cycle.

HUD recently updated its VAM counts (see table below). The updated figures include the OFAR vehicles only.

Car Type	Electric	Gas	Alternative Fuel
LD Mini Van 4 x 2		1	25
LD Pick up 4 x 2			1
LD SUV 4 x 2			14
LD SUV 4 x 4	4	1	
LD Van 4 x 2			1
Sedan Compact	21	11	40
Sedan Midsize		1	23
Sedan Subcompact		23	2

Based on the information gathered, there are a total of 37 gas vehicles, 25 electric vehicles, and 106 alternative fuel vehicles. HUD will address the 37 gas vehicles by conducting another VAM study for those vehicles. The overall outcome of the study will demonstrate the need of the vehicle as well as if the vehicle is able to use an alternative fuel.

Currently HUD is working with Zip Cars to conduct a 90 day car sharing pilot. The program is scheduled to start the end of June 2013.

HUD‘s fleet mission still stands, we are committed to ensuring that the fleet not only meets the requirements outlined in the executive orders but to exceed the requirements. In a collaborative effort with GSA, and FEMP we believe that we will be able to achieve the milestones that have been established.