

PAD:

Subcommittee:

Agency: Nuclear Regulatory Commission

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Overview

Agency Policy Statement




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

U.S. NUCLEAR REGULATORY COMMISSION
CLIMATE CHANGE ADAPTATION POLICY STATEMENT
June 2, 2011

The U.S. Nuclear Regulatory Commission's (NRC) mission is to license and regulate the Nation's civilian use of byproduct, source, and special nuclear materials, to ensure adequate protection of public health and safety, to promote the common defense and security, and to protect the environment.

It is the policy of NRC to carry out its operations in such a way as to maintain a safe and healthy work environment for building occupants. The NRC will ensure that adequate building services are provided to maintain optimum operational readiness to conduct our mission. The NRC recognizes that planning for climate change in conjunction with meeting energy usage and greenhouse gas reduction targets will aid the Federal government in reducing the consequences of climate changes caused by our operations.

The NRC adaptation planning and implementation resources are integrated into the mission of the Office of Administration and will be directed through the Division of Facilities and Security. Actions taken will be done in coordination with other Federal agencies.


for Kathryn O. Greene
Senior Official for Climate Change
Adaptation Planning

CONTACT: Bahman Rowhani, ADM/DFS/FSB
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U.S. Nuclear Regulatory Commission

Agency Policy Statement

The U.S. Nuclear Regulatory Commission (NRC) is committed to protecting public health and safety by conducting our operations and activities in an environmentally responsible and sustainable manner. We recognize that reducing and, where possible, eliminating the environmental impacts of our activities is an important part of our mission as stewards of public health and safety. We view sustainability as a long-term approach to business planning and decision-making that balances our economic, environmental, and social responsibilities.

In support of our sustainability initiative, the NRC will:

- Meet or exceed all applicable local, state, and federal environmental laws and regulations;
- Continually enhance our business practices and services to minimize our environmental impact;
- Effectively manage the agency's ecological footprint by reducing the use of natural resources through source reduction and pollution prevention; and
- Protect and support the health and safety of our employees and the surrounding communities and ecosystems.

Greenhouse Gas Reduction Goals

Pursuant to Executive Order (EO) 13514, on January 4, 2010, the NRC submitted its GHG reduction targets for Scope 1 and 2 emissions. The NRC has committed to a reduction target of 4.4 percent by fiscal year (FY) 2020 and a Scope 3 reduction goal of 5 percent by FY 2020.

The FY 2020 target reduction is based on NRC's plan to consolidate a number of leased facilities that are not part of our current headquarters complex to a new 358,440 square foot Leadership in Energy and Environmental Design certified office building. The energy efficiency of the new building, aggressive energy reduction efforts in the existing headquarters facilities, and some changes in how we do business will help the NRC meet its FY 2020 reduction targets.

Summary of Accomplishments

During FY 2011, the agency implemented and continued a number of energy reduction projects. New variable frequency drives were installed on two of our existing chillers in One White Flint North (OWFN) building. This will allow us to operate at greater efficiencies throughout the year during part load conditions. In addition, the agency continues to expand the telework program to allow employees more opportunities to work at home, thereby reducing Scope 3 GHG due to commuting and waste water treatment. Currently, the agency is upgrading its restrooms with water saving toilets and faucets. When completed, the estimated water savings will be in the range of 10 to 15 percent.

Section 1: Organization and Scope (Update annually, as needed)

I. Sustainability and the Agency Mission

"The mission of the NRC is to license and regulate the Nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, promotes the common defense and security, and protect the environment."

Sustainability is inherent in the NRC's mission. The agency recognizes that the Earth's natural resources are not limitless, and we must do our part to preserve these resources for future generations. We must act today to maximize the many economic, environmental, and societal benefits that conservation, waste prevention, Greenhouse Gas (GHG) emissions reductions, recycling, and the purchase of environmentally preferable products can provide.

At the NRC, we view sustainability as a long-term business planning and decision-making objective that encompasses our economic, environmental, and social responsibilities.

Table 1: Size and Scope of Operations

Size and Scope of Operations	FY10 Number	FY11 Number	FY11 Comment
Total # Employees as Reported in the President's Budget	3018	3042	Correction made to FY10 total number of employees (number increased from 2752 to 3018)
Estimated # Onsite M&O Contractors in Government-owned Contractor-operated (GOCO) Facilities	0	0	
Total Acres Land Managed	5.2	5.2	
Total # Facilities Owned			
Total # Facilities Leased (GSA lease)	2	2	
Total # Facilities Leased (Non-GSA)			
Total Facility Gross Square Feet (GSF)	998000	998000	
Facility Gross Square Feet (GSF) Subject to Energy Intensity (Btu/GSF) Reduction Goal	998000	998000	Facility GSF corrected for both FY10 and FY11.
Facility Gross Square Feet (GSF) Excluded from Energy Intensity (Btu/GSF) Reduction Goal	0	0	
Operates in # of Locations Throughout U.S.	6	6	

Size and Scope of Operations	FY10 Number	FY11 Number	FY11 Comment
Operates in # of Locations Outside of U.S.	0	0	
Total # Fleet Vehicles Owned	0	1	
Total # Fleet Vehicles Leased	27	33	
Total # Exempted-Fleet Vehicles (Tactical, Emergency, Etc.)	0	1	
Total Discretionary Budget as Enacted for the Fiscal Year (\$MIL)	1070	1053	Total discretionary budget for FY10 corrected.
Total # New Contracts Awarded as Reported in FPDS	2805	2973	
Total Amount Contracts Awarded as Reported in FPDS (\$MIL)	228.65	206.40	
Total Amount Spent on Facility Energy Consumption (\$MIL)	3.1	3.3	Facility energy consumption for FY10 added.
Total Amount Spent on Mobility and Other Non-Facility Energy Consumption (\$MIL)		0.1	
Total Energy Intensity of Goal-Subject Buildings (Btu/GSF)	80645	74602	Total Energy Intensity for FY10 added
Total Gallons of Potable Water Consumed per GSF	22.6	21.6	Total Gallons potable water consumed added for FY10.
Industrial, Landscaping and Agricultural Water (Non-Potable) (Thous. Gal)	0	0	Total landscaping water use added

II. Greenhouse Gas Reduction Targets

Pursuant to Executive Order (EO) 13514, on January 4, 2010, the NRC submitted its GHG reduction targets for Scope 1 and 2 emissions. The NRC has committed to a reduction target of 4.4 percent by fiscal year (FY) 2020 and a Scope 3 reduction goal of 5 percent by FY 2020.

The FY 2020 target reduction is based on NRC's plan to consolidate a number of leased facilities that are not part of our current headquarters complex to a new 358,440 square foot Leadership in Energy and Environmental Design certified office building. The energy efficiency of the new building, aggressive energy reduction efforts in the

existing headquarters facilities, and some changes in how we do business will help the NRC meet its FY 2020 reduction targets.

III. Plan Implementation

The NRC created a sustainability cross-functional team with members from each of the agency's administrative service providers to coordinate implementation of the agency's Strategic Sustainability Performance Plan. This team represents all functions that have the authority to affect the procurement or use of outside services such as contracting and procurement, utility services, human resources, information technology (IT) service equipment, transportation services, and recycling and waste handling. Team meetings are held monthly to evaluate new project initiatives, strategic plans, and the performance of ongoing projects to ensure that our path for meeting the NRC's GHG reduction targets is appropriate. Team plans and findings are reported to management for evaluation, approval, and budget considerations.

Building energy managers, IT specialists, contracting officers, human relations specialists, and members of the Office of the Chief Financial Officer and the Office of Administration are tasked with implementing approved procedures, policies, and projects. The Office of Administration is responsible for staff notification, follow-up on implementation, measurement of progress, documentation, and reporting the results. Reports are evaluated by the team to ensure the desired results are met, and if not, recommend additional actions to be taken.

Table 2: Critical Planning Coordination

Originating Report / Plan	Scope 1 & 2 GHG Reduction	Scope 3 GHG Reduction	Develop and Maintain Agency Comprehensive GHG Inventory	High-Performance Sustainable Design/Green Buildings	Regional and Local Planning	Fleet Management	Water Use Efficiency and Management	Pollution Prevention and Waste Elimination	Sustainable Acquisition	Electronic Stewardship and Data Centers	Agency Specific Innovation
GPRA Strategic Plan	No	No	No	No	N/A	Yes	N/A	N/A	Yes	No	No
Agency Capital Plan	No	No	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A
A-11 300s	No	No	N/A	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A

Originating Report / Plan	Scope 1 & 2 GHG Reduction	Scope 3 GHG Reduction	Develop and Maintain Agency Comprehensive GHG Inventory	High-Performance Sustainable Design/Green Buildings	Regional and Local Planning	Fleet Management	Water Use Efficiency and Management	Pollution Prevention and Waste Elimination	Sustainable Acquisition	Electronic Stewardship and Data Centers	Agency Specific Innovation
Annual GHG Inventory and Energy Data Report	Yes	Yes	N/A	Yes	N/A	Yes	Yes	N/A	N/A	N/A	Yes
EISA Section 432 Facility Evaluations/Project Reporting/Benchmarking	Yes	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Budget	Yes	No	No	No	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Asset Management Plan / 3 Year Timeline	No	No	No	No	N/A	No	No	No	N/A	No	No
Circular A-11 Exhibit 53s	Yes	No	No	No	N/A	No	N/A	N/A	No	No	No
OMB Scorecards	No	No	No	No	No	No	No	No	No	No	No
DOE's Annual Federal Fleet Report to Congress and the President	Yes	Yes	Yes	N/A	No	Yes	N/A	N/A	N/A	N/A	N/A
Data Center Consolidation Plan	Yes	Yes	No	Yes	N/A	N/A	N/A	N/A	Yes	Yes	Yes

Originating Report / Plan	Scope 1 & 2 GHG Reduction	Scope 3 GHG Reduction	Develop and Maintain Agency Comprehensive GHG Inventory	High-Performance Sustainable Design/Green Buildings	Regional and Local Planning	Fleet Management	Water Use Efficiency and Management	Pollution Prevention and Waste Elimination	Sustainable Acquisition	Electronic Stewardship and Data Centers	Agency Specific Innovation
Environmental Management System	Yes	Yes	No	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A
Climate Change Adaptation Plan	Yes	Yes	Yes	No	No	Yes	N/A	N/A	Yes	Yes	N/A
Fleet Management Plan	Yes	Yes	Yes	No	No	Yes	N/A	N/A	No	N/A	No
Other (reports, policies, plans, etc.)											

IV. Evaluating Return on Investment

The NRC uses a simplified cost to savings formula with a maximum payback of 15 years for building energy savings projects. New procedures, initiatives, and strategic plans are evaluated differently. Initially we look at the desired results and determine if the effort will meet that goal, and compare the cost of the effort to the expected outcome. Then we determine how the procedure, initiative, or plan will affect our staff's ability to perform their work and if it has any negative impacts, such as an effect on the quality of employee work life or the surrounding community. All of these issues are reviewed with our management and employee union prior to calculating a return on investment (ROI).

V. Transparency

The NRC has a public and internal web page which will be used to communicate the agency's commitment, goals and progress toward meeting our energy and GHG reduction targets. Internal bulletins and notices are also used to inform staff of new policies, projects, and procedures.

Section 2: Performance Review & Annual Update (Update and Submit Annually)

I. Goal Performance Review and Planning

Goal 1: Greenhouse Gas Reduction and Maintenance of Agency Comprehensive Greenhouse Gas Inventory

Goal 1: Goal Description

Reduce energy and water usage at the facility. The agency expects to reduce facility energy intensity by 6 percent in 2020. The NRC is working towards reducing energy usage through new space management policies.

Goal 1: Agency Lead

Cynthia A. Carpenter, Senior Sustainability Officer

Goal 1: Staff Resources

Currently a full-time Federal employee is dedicated to managing the NRC fleet of leased vehicles and the existing shuttle services. The other duties for Scope 1 and 2 are handled as collateral duties.

Goal 1: Baseline

Description	Baseline Year	Baseline Value	Comments
Total scope 1&2 GHG emissions (comprehensive) MTCO ₂ e	2008	13800	
Total scope 1&2 GHG emissions (subject to agency scope 1&2 GHG reduction target) MTCO ₂ e	2008	13800	
Total scope 3 GHG emissions (comprehensive) MTCO ₂ e	2008	21552	
Total scope 3 GHG emissions (subject to agency scope 3 GHG reduction target) MTCO ₂ e	2008	21552	

Goal 1: Planning/Status Table

GHG Emissions	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Verification	FY11 Target Status	FY12 Target Status	Comments
Total scope 1&2 GHG emissions	14047	11970	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	Yes	On track	

GHG Emissions	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Verification	FY11 Target Status	FY12 Target Status	Comments
(comprehensive) (MTCO ₂ e) ACTUAL													
Total scope 1&2 GHG emissions (subject to agency scope 1&2 GHG reduction target) (MTCO ₂ e) TARGET	14007	13446	12980	12391	11896	11420		...		N/A	N/A	N/A	
Total scope 1&2 GHG emissions (subject to agency scope 1&2 GHG reduction target) (MTCO ₂ e) ACTUAL	14008	11915	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	Yes	On track	
Overall agency scope 1&2 GHG reduction (reduced from FY08 base year) (%) TARGET	1.5	1.5	1.5	1.5	1.5	4.4		...	4.4	N/A	N/A	N/A	FY 11 through 14 cells were blank, target percentages were input.

GHG Emissions	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Verification	FY11 Target Status	FY12 Target Status	Comments
Overall agency scope 1&2 GHG reduction (reduced from FY08 base year) (%) ACTUAL	-1.5	13.7	N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	Yes	On track	Note: A negative indicates an increase.
Total scope 3 GHG emissions (comprehensive) (MTCO2e) ACTUAL	23836	20847	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	Yes	On track	
Total scope 3 GHG emissions (subject to agency scope 3 GHG reduction target) (MTCO2e) TARGET	23730	23130	22550	21990	21440	20900		...		N/A	N/A	N/A	
Total scope 3 GHG emissions (subject to agency scope 3 GHG reduction target) (MTCO2e) ACTUAL	23726	20741	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	Yes	On track	
Overall agency scope	2.5	2.5	2.5	2.5	2.5	2.5		...	5	N/A	N/A	N/A	Goal for

GHG Emissions	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Verification	FY11 Target Status	FY12 Target Status	Comments
3 GHG progress (reduced from FY08 base year) (%) TARGET													FY10 was corrected (actual percentage populated the cell)
Overall agency scope 3 GHG progress (reduced from FY08 base year) (%) ACTUAL	-10.2	3.6	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	Yes	On track	Note: A negative indicates an increase.
Other, as defined by agency TARGET	N/A							...		N/A	N/A	N/A	
Other, as defined by agency ACTUAL	N/A							...	N/A	N/A	N/A	N/A	

Goal 1: Progress Questions

Goal 1: Question 1

Strategy Category	FY11 Contribution	GHG Category Target in Place (for primary and secondary categories)	Formal Strategies Implemented Related to Target (for primary or secondary categories)	Results	Comments
Facility Energy Intensity	Primary	Yes	Yes	Met/Exceeded target	
Renewable Energy	None/Insignificant	N/A	N/A	N/A	
Space Management	None/Insignificant	N/A	N/A	N/A	
Fleet Petroleum Use	Primary	Yes	Yes	Met/Exceeded target	
Fleet Alternative Fuel Use	Primary	Yes	Yes	Met/Exceeded target	
Optimizing Fleet Size	Secondary	Yes	Yes	Not tracked	
Fugitive Emissions	Minor	N/A	N/A	N/A	
Landfills, Wastewater Treatment	None/Insignificant	N/A	N/A	N/A	
Other (describe in comments)	N/A	N/A	N/A	N/A	
Other (describe in comments)	[Please Choose]	[Please Choose]	[Please Choose]	[Please Choose]	

Goal 1: Question 2

For which of the following activities does the agency...	Federal employee commuting	Federal employee business air travel	Federal employee business ground travel	Contracted solid waste disposal	Contracted wastewater disposal	Other (describe in comments)	Comments
...have an identified and specific target for actions to satisfy scope 3 emissions reduction goals?	Yes	No	Yes	Yes	Yes	N/A	

For which of the following activities does the agency...	Federal employee commuting	Federal employee business air travel	Federal employee business ground travel	Contracted solid waste disposal	Contracted wastewater disposal	Other (describe in comments)	Comments
...have identified and specific strategies for achieving scope 3 emissions reductions?	Yes	No	No	Yes	Yes	N/A	
...have identified and specific metrics to measure progress towards the scope 3 target?	Yes	Yes	Yes	Yes	Yes	N/A	
...show measured progress towards scope 3 emissions reductions?	Yes	Yes	Yes	Yes	No	N/A	

Goal 1: Challenges/Justification

ID	Title	Description	First Related Goal (if applicable)	Second Related Goal (if applicable)	Third Related Goal (if applicable)
1	Renewable Energy	We have found that the purchase of renewable energy and associated equipment does not have a favorable pay-back. Because of this, we have been unable to purchase renewable energy.	N/A	N/A	N/A

Goal 1: Best Practices/Highlights

ID	Title	Description
1	Installed Variable Frequency Drives on two chillers	This has allowed energy savings by increasing the efficiency of the chillers.
2	Installed Power Conditioning in our facilities	We installed power conditioning equipment on our facilities incoming power supply. This improves the quality of power throughout the building and increases the amount of useful power transferred.

Goal 1: Planning

Goal 1: Strategies

ID	Description	Strategy Type	Time-frame	Scale	Suc- cess Met- rics: FY12	Suc- cess Met- rics: FY13	First Related Goal	Second Re- lated Goal	Com- ments
1	Lighting Ret- rofit	Infrastruc- ture/Settings Change	Out-year	Facility Level			1: Greenhouse Gas Reduction	[Please Choose]	
2	Upgrade the Energy Man- agement Sys- tem	Infrastruc- ture/Settings Change	FY13- Out-year	Facility Level			1: Greenhouse Gas Reduction	[Please Choose]	

Goal 2: Buildings, ESPC Initiative Schedule, and Regional & Local Planning**Goal 2: Goal Description**

Reduce the agency Scope 3 GHG production by 5 percent in 2020

Goal 2: Agency Lead

Cynthia A. Carpenter, Senior Sustainability Officer

Goal 2: Staff Resources

Currently there is no full time person responsible for this activity. These duties are handled as collateral duties.

Goal 2: Baseline

Description	Baseline Year	Baseline Value	Comments
Energy Intensity (Btu/GSF)	2003	76278	

Goal 2: Planning/Status Table

Buildings	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Veri- fication	FY11 Target Status	FY12 Target Status	Com- ments
Energy intens- ity reduction (% reduced from FY03 base year) TARGET	15	18	21	24	27	30		...		N/A	N/A	N/A	
Energy intens- ity reduction (% reduced from FY03 base year) PLAN	1	3.5	3.5	0.33	0.33	0.33		...		N/A	N/A	N/A	
Energy intens- ity reduction (%) ACTUAL	-5.7	2.2	N/A	N/A	N/A	N/A	N/A	...	N/A	Meas- ured	No	Un- sure/no mid- year data avail- able	
Renewable electricity (%) TARGET	5	5	5	7.5	7.5	7.5	7.5	...	7.5	N/A	N/A	N/A	
Renewable electricity (%) PLAN	0	0	0	0	0	0	0	...		N/A	N/A	N/A	
Renewable electricity (%) ACTUAL	0	0.0	N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	Yes	N/A	
% renewable energy that is new.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	

Buildings	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Veri- fica- tion	FY11 Target Status	FY12 Target Status	Com- ments
Owned build- ings meeting guiding prin- ciples (%) TARGET	N/A	N/A						...		N/A	N/A	N/A	
Owned build- ings meeting guiding prin- ciples (%) ACTUAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	
FRPP-Report- ed leased buildings meeting guid- ing principles (%) TARGET								...		N/A	N/A	N/A	
FRPP-Report- ed leased buildings meeting guid- ing principles (%) ACTUAL			N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	[Please Choose]	[Please Choose]	
Total build- ings meeting guiding prin- ciples (%) TARGET								...		N/A	N/A	N/A	
Total build- ings meeting guiding prin- ciples (%) ACTUAL			N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	

Buildings	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Veri- fica- tion	FY11 Target Status	FY12 Target Status	Com- ments
% EISA covered facilities that have an energy manager		100.0	N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	
% EISA covered facilities evaluated through June 2012		N/A		N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	
% appropriate buildings metered for electricity		100.0	N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	
% metered buildings that are (or are part of) EISA covered facilities that has been benchmarked through June 2012		N/A		N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	
Other, as defined by agency TARGET								...		N/A	N/A	N/A	
Other, as defined by agency ACTUAL			N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	

Goal 2: Progress Questions

Sustainable Federal Locations

Below, either link to or attach the agency memo or policy document in the appropriate box.

Principles for Sustainable Federal Location Decisions - Site Selection and Lease Procurement

This Principle does not apply to the U.S. Nuclear Regulatory Commission. NRC facilities are provided by the General Services Administration.

Site Selection and Lease Procurement

Below, either link to or attach the agency procedures document in the appropriate box.

Principles for Sustainable Federal Location Decisions - Facility Requirements

This Principle does not apply to the U.S. Nuclear Regulatory Commission. NRC facilities are provided by the General Services Administration.

Facility Requirements

i. Agency Experience (Sept 2011- June 2012)

ID	Facility Name	Facility Location [Zip Code]	Facility Function (HQ, customer service, etc.)	Facility Size (sq ft.)	Facility Size (# of Employees)	Change Type	Date of Change [MM/YY]	Successes, Challenges, and Impacts to Workplace Requirements	Comments
						[Please Choose]			

ii. Near-term Planning (FY12-FY13)

iii. Medium-term Planning (FY14-FY16)

Goal 2: Challenges/Justification

ID	Title	Description	First Related Goal (if applicable)	Second Related Goal (if applicable)	Third Related Goal (if applicable)
1	Travel	A sizable level of the NRC's mission requires our employee's to perform site inspection of nuclear power plants which requires a significant amount of air and ground travel. The NRC is looking at these requirements as well as other travel performed by the agency to evaluate which types of travel may be averted with the use of video teleconferencing and Web-based training.	1: Greenhouse Gas Reduction	3: Fleet Management	N/A

Goal 2: Best Practices/Highlights**Goal 2: Planning****Performance Contracting Commitment Table**

Performance Contracting Investment	Value
Total Agency Commitment (\$)	0
Total Estimated Project Value (\$)	0

ESPC Planning Phase Table

Action	Due Date (M/DD/YY or MM/DD/YY)	Complete (Yes/No)	Lead (Name)
Identify sites and project investment			
Engage FEMP Financing Specialist			
Identify team and educate on roles			
Identify internal approvals or issues			
Develop full implementation schedule			

Project Implementation Phase Table Part 1

Project Implementation Phase Table Part 2

ESPC Comments

The NRC currently does not have any ESPC projects planned.

Sustainable Federal Locations: Siting Plan

N/A

Goal 2: Strategies

Goal 3: Fleet Management

Goal 3: Goal Description

Reduce the amount of petroleum use by 30% in FY 2020 by optimizing the number of vehicles in NRC's fleet and utilizing alternative fuel vehicles.

Goal 3: Agency Lead

Cynthia A. Carpenter, Senior Sustainability Officer

Goal 3: Staff Resources

Currently a full-time Federal employee is dedicated to managing the NRC fleet of leased vehicles and the existing shuttle services.

Goal 3: Baseline

Description	Baseline Year	Baseline Value	Comments
Petroleum Use (GGE)	2005	9418	
Alternative Fuel Use (GGE)	2005	3921	

Goal 3: Planning/Status Table

Fleet Management	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Verification	FY11 Target Status	FY12 Target Status	Comments
Petroleum use reduction (% reduction from FY05 base year) TARGET	10	12	14	16	18	20	22	...	30	N/A	N/A	N/A	
Petroleum use reduction (% reduction from FY05 base year) PLAN	100	100	100	100	100	100		...		N/A	N/A	N/A	
Petroleum use reduction (% reduction from FY05 base year) ACTUAL	100	100	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	Yes	On track	
Alternative fuel use in fleet (% increase from FY05 base year) TARGET	61	77	95	114	136	159	159	...	159	N/A	N/A	N/A	
Alternative fuel use in fleet (% increase from FY05 base year) PLAN	100	100	100	100	100	100		...		N/A	N/A	N/A	
Alternative fuel use in fleet (% increase from FY05 base year) ACTUAL	100	100	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	Yes	On track	
Total conventional fuel vehicles (#) TARGET	N/A	N/A	15	5	5	5		...		N/A	N/A	N/A	

Fleet Management	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Verification	FY11 Target Status	FY12 Target Status	Comments
Total conventional fuel vehicles (#) ACTUAL	N/A	0	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	N/A	N/A	
Total alternative fuel vehicles (#) TARGET	N/A	N/A	23	30	30	30		...		N/A	N/A	N/A	
Total alternative fuel vehicles (#) ACTUAL	N/A	33	N/A	N/A	N/A	N/A	N/A	...	N/A	Measured	N/A	On track	
Reduction in Executive fleet vehicles larger than a midsize sedan or that do not comply with the alternative fueled vehicle requirements (#) TARGET	N/A	N/A						...		N/A	N/A	N/A	
# Executive fleet vehicles larger than a midsize sedan or that do not comply with alternative fueled vehicle requirements as posted on the agency website ACTUAL	N/A	0	N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	
Other, as defined by agency TARGET								...		N/A	N/A	N/A	

Fleet Management	FY10	FY11	FY12	FY13	FY14	FY15	FY16	...	FY20	FY11 Data Verification	FY11 Target Status	FY12 Target Status	Comments
Other, as defined by agency ACTUAL			N/A	N/A	N/A	N/A	N/A	...	N/A	N/A	N/A	N/A	

Goal 3: Progress Questions

Goal 3: Question 1

Does the agency have an anti-idling policy for fleet vehicles?	Link to policy if publicly available	Comments
No		

Goal 3: Challenges/Justification

Goal 3: Best Practices/Highlights

Goal 3: Planning

Goal 3: Strategies

ID	Description	Strategy Type	Time-frame	Scale	Success Metrics: FY12	Success Metrics: FY13	First Related Goal	Second Related Goal	Comments
1	Optimize the number of vehicles required for NRC's Fleet	Review/Analysis	FY12-FY13	National			1: Greenhouse Gas Reduction	2: Buildings, ESPC, and Regional/Local Planning	