National Aeronautics & Space Administration

January 2012 OMB Scorecard on **Sustainability/Energy**

Scope 1&2 GHG Emission Reduction Target

For Scope 1&2 GHG Reduction Target of 18.3% by 2020:
12% reduction in 2011 and on track

Score: **GREEN**

Scope 3 GHG Emission Reduction Target

For Scope 3 GHG Reduction Target of 12% by 2020:
10.7% reduction in 2011 and on track

Score: **GREEN**

Reduction in Energy Intensity

Reduction in energy intensity in goal-subject facilities compared with 2003:
18.1% and on track for 30% by 2015

Score: **GREEN**

Use of Renewable Energy

Use of renewable energy as a percent of facility electricity use:
Total of 6.1% from renewable electricity sources including at least 2.5% from new sources (thermal, mechanical, or electric)

Score: **GREEN**

Reduction in Potable Water Intensity

Reduction in potable water intensity compared with 2007:
28% and on track for 26% in 2020

Score: **GREEN**

Reduction in Fleet Petroleum Use

Reduction in fleet petroleum use compared to 2005:
18.7% and on track for 20% in 2015

Score: **GREEN**

Green Buildings

Sustainable green buildings:
6.73% of buildings sustainable
11.82% GSF of inventory sustainable

Score: **YELLOW**

Standards for Success — *Red Standard, Yellow Standard, Green Standard*

Scope 1&2 GHG Emission Reduction Target

GREEN: Achieved its 2011 Sustainability Plan proposed reduction for GHG Scopes 1&2 and is on track to achieve its 2020 target.

YELLOW: Achieved at least half of its 2011 Sustainability Plan proposed target for GHG Scopes 1&2.

RED: Did not achieve at least half of its 2011 Sustainability Plan proposed target for GHG Scopes 1&2 or did not provide trajectory for 2020.

Scope 3 GHG Emission Reduction Target

GREEN: Achieved its 2011 Sustainability Plan proposed reduction for GHG Scope 3 and is on track to achieve its 2020 target.

YELLOW: Achieved at least half of its 2011 Sustainability Plan proposed target for GHG Scope 3.

RED: Did not achieve at least half of its Sustainability Plan proposed target for GHG Scope 3 or did not provide trajectory for FY 2020.

Reduction in Energy Intensity

GREEN: Reduced energy intensity (Btu/GSF*) in EISA goal-subject facilities by at least 18 percent compared with 2003 and is on track for 30 percent reduction by 2015.

YELLOW: Reduced energy intensity (Btu/GSF) in EISA goal-subject facilities by at least 15 percent compared with 2003.

RED: Did not reduce energy intensity (Btu/GSF) in EISA goal-subject facilities by at least 15 percent compared with 2003.

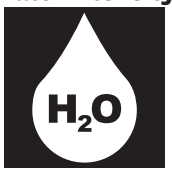
Use of Renewable Energy

GREEN: Uses at least 5 percent electricity from renewable sources as a percentage of facility electricity use & at least 2.5 percent of facility electricity use comes from new sources (post-1999). (Thermal and mechanical renewable can be included in the 2.5 percent new requirement, but not the 5 percent goal; i.e., an agency meets all new sources requirement with thermal or mechanical energy (2.5 percent) but would still need an additional 5 percent from renewable electricity sources.)

YELLOW: Uses at least 5 percent renewable energy from electric, thermal or mechanical sources to power facilities and equipment; but less than half was obtained from new sources (post-1999) or part of the requirement was met with thermal and mechanical renewable energy.

RED: Did not use at least 5 percent renewable energy from electric, thermal or mechanical sources to power facilities and equipment.

Reduction in Potable Water Intensity



GREEN: Reduced water intensity by at least 8 percent from final approved 2007 baseline and is on track for 26 percent reduction by 2020.

YELLOW: Reduced water intensity by at least 6 percent from final approved 2007 baseline.

RED: Did not reduce water intensity by at least 6 percent from final approved 2007 baseline.

Reduction in Fleet Petroleum Use

GREEN: Achieved a 12 percent reduction in petroleum use in its entire vehicle fleet compared to 2005 and is on track for 20 percent reduction by 2015.

YELLOW: Achieved at least 10 percent reduction in petroleum use in the entire vehicle fleet compared to 2005.

RED: Did not achieve at least 10 percent reduction in petroleum use in its entire vehicle fleet since 2005.

Green Buildings

GREEN: Demonstrates implementation of Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings (GP) for new, existing and leased buildings; and is on track to meet 15% goal by 2015 by reporting that at least 7% of buildings >5,000 GSF meet GP as reported in the Federal Real Property Profile (FRPP).

YELLOW: Incorporates Guiding Principles into all new design contracts for construction, major renovations and leases and at least 7 percent of GSF of its building inventory over 5,000 GSF meets GP as reported in FRPP.

RED: Cannot demonstrate compliance with GP on new construction, major renovations, or leases; and/or less than 7 percent of building inventory, either by number of buildings or GSF, over 5,000 GSF meets GP as reported in FRPP.

**GSF = Gross Square Footage*