

SUSTAINABILITY/ENERGY SCORECARD
LEADERSHIP IN ENVIRONMENTAL, ENERGY & ECONOMIC PERFORMANCE
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FY 2010 STATUS (As of July 1, 2011)		PLANNED ACTIONS	PROGRESS
 Green	<ul style="list-style-type: none"> For Scope 1&2 GHG Reduction Target of 18.3% by 2020: <u>X</u> On track, 6.5% reduction in 2010 (G) ___ ≥ half of planned reduction (Y) 	<p><u>Actions taken since January 1, 2011:</u></p> <ul style="list-style-type: none"> Submitted GHG inventories. Submitted Sustainability Plan w/budget data. Distributed \$48M to Centers for energy related construction/recapitalization projects. Installed 6 solar-assisted charging stations. Activated 2 AF ASTs at GRC and MSFC. Updated Sustainable Handbook for Facilities. Performed energy/water Functional Reviews at 5 Centers. Awarded \$6.2M ESPC project at NASA Jet Propulsion Laboratory (CA). Completed comprehensive evaluations on 65.7% GSF of covered facilities. 61% of FY11 Q2 reviewed contracts complied with sustainable acquisition requirements. Met Electronic Stewardship goals. Certified 1st LEED-EB bldg at MSFC; constructed 2nd LEED Platinum facility at LaRC. <p><u>Planned actions for next six months:</u></p> <ul style="list-style-type: none"> Perform one energy/water Functional Review. Update FED Sustainable Building Implementation Plan. Pilot and review re-designed Sustainable Facilities Training Course for employees. Achieve 3rd LEED Platinum building at KSC. Complete construction of 4th LEED Platinum building at ARC. Revise Real Property Inventory to include 5000 to 10,000 GSF facilities. Complete comprehensive evaluations on 75% of covered facilities. Review ≥5% applicable FY11 Q4 contract actions to demonstrate 95% compliance with sustainable acquisition goal; revise NASA Form NF 1707 to improve screening for sustainable acquisition requirements; add new field in NASA's contract writing system to better track GPP requirements; increase training opportunities for buying green; identify other corrective actions as needed. Report sustainable buildings in FRPP. 	<ul style="list-style-type: none"> NASA Status remains green on Scope 1&2 and 3, as it is on track for achieving its targeted reductions. NASA Progress went from green to yellow for actions taken as it was not able to complete comprehensive evaluations on 75% of covered facilities. However, NASA did complete planned fleet actions and is fully compliant with electronic stewardship goals. NASA Progress is green for planned actions as it identified solid actions to address energy intensity reductions, evaluate 75% of its buildings, and increase its inventory of sustainable buildings. NASA led the interagency team to update GHG Guidance and Technical Support Document on estimating fugitive emissions from Scopes 1&2 and Scope 3 GHG and recently held biannual Agency-wide Facilities Conference with sessions on sustainable facilities, low- and net-zero design strategies OMB approves NASA's Sustainability Plan as submitted.
 Green	<ul style="list-style-type: none"> For Scope 3 GHG Reduction Target of 12% by 2020: <u>X</u> On track, 15.7% reduction in 2010 (G) ___ behind schedule (Y) 		
 Yellow	<ul style="list-style-type: none"> Reduction in energy intensity in goal-subject facilities compared with 2003: ___ at least 15% and on track for 30% by 2015 (G) <u>X</u> 13.1% (Y) 		
 Green	<ul style="list-style-type: none"> Use of renewable energy as a percent of facility electricity use: <u>X</u> Total of 6.4% from renewable electricity sources including 2.5% from <u>new</u> sources (thermal, mechanical, or electric) (G) ___ 5% from any renewable electricity source (Y) 		
 Green	<ul style="list-style-type: none"> Reduction in potable water intensity compared with 2007 is at least: <u>X</u> 8.9% and on track for 26% in 2020 (G) ___ 4% (Y) 		
 Green	<ul style="list-style-type: none"> Reduction in fleet petroleum use compared to 2005 is at least: <u>X</u> 19.5% and on track for 20% by 2015 (G) ___ ≥8% (Y) 		
 Yellow	<ul style="list-style-type: none"> Sustainable green buildings: 4.4% of buildings sustainable 5.0% GSF of inventory sustainable 		
	 Yellow ↓		
	 Green		



Agency:

- Achieved its 2010 Sustainability Plan proposed reduction for GHG Scopes 1&2 and is on track to achieve agency's 2020 target.
- Achieved its 2010 Sustainability Plan proposed reduction for GHG Scope 3 and is on track to achieve its 2020 target.
- Reduced energy intensity (Btu/GSF*) in EISA goal-subject facilities by at least 15 percent compared with 2003 and is on track for 30 percent reduction by 2015.
- 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% new requirement, but not the 5% 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.)*
- Reduced water intensity by at least 6 percent from final approved 2007 baseline and is on track for 20 percent reduction by 2015.
- Achieved a 10 percent reduction in petroleum use in its entire vehicle fleet compared to 2005 and/or is on track for 20 percent reduction by 2015.
- 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 5% of buildings >5,000 GSF meet GP as reported in the Federal Real Property Profile (FRPP).

Agency:

- Achieved at least half of its Sustainability Plan proposed target in FY 2010 for GHG Scopes 1&2.
- Did not achieve its Sustainability Plan proposed reduction for 2010 GHG Scope 3 but developed base year and 2010 Scope 3 inventory.
- Reduced energy intensity (Btu/GSF) in EISA goal-subject facilities by at least 12 percent compared with 2003.
- 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.
- Reduced water intensity by at least 4 percent from final approved 2007 baseline.
- Achieved at least 8 percent reduction in petroleum use in the entire vehicle fleet compared to 2005.
- Incorporates Guiding Principles into all *new* design contracts for construction, major renovations and leases and at least 5 percent of GSF of its building inventory over 5,000 GSF meets GP as reported in FRPP.

*GSF= Gross Square Footage

Agency:

- Did not achieve at least half of its Sustainability Plan proposed target in FY 2010 for GHG Scopes 1&2.
- Did not develop a base year or 2010 GHG inventory for Scope 3 or provide planned target for FY 2020.
- Did not reduce energy intensity (Btu/GSF) in EISA goal-subject facilities by at least 12 percent compared with 2003.
- Did not use at least 5 percent renewable energy from electric, thermal or mechanical sources to power facilities and equipment.
- Did not reduce water intensity by at least 4 percent from final approved 2007 baseline.
- Did not achieve at least 8% reduction in petroleum use in its entire vehicle fleet since 2005.
- Cannot demonstrate compliance with GP on new construction, major renovations, or leases; and/or less than 5% of building inventory, either by number of buildings or GSF, over 5,000 GSF meets GP as reported in FRPP.

