Department of Energy

Washington, DC 20585

SEP 10 2015

MEMORANDUM FOR DISTRIBUTION

FROM: MARK A. GILBERTSON
DEPUTY ASSISTANT SECRETARY FOR
SITE RESTORATION

SUBJECT: Executive Order 13693 - Planning for Federal Sustainability in the Next Decade

The purpose of this memorandum is to notify you that Office of Environmental Management (EM) sites are required to comply with President Obama's March 19, 2015, Executive Order (EO) 13693 - *Planning for Federal Sustainability in the Next* Decade. The Department of Energy (DOE) and other Federal agencies are required to increase efficiency and improve environmental performance through a combination of more efficient Federal operations such as those outlined in this EO (http://www.gpo.gov/fdsys/pkg/FR-2015-03-25/pdf/2015-07016.pdf).

This new EO supersedes EO 13514 and 13423 and adds new and/or increases existing sustainability goal levels. A summary of the updated goals as they compare to the existing ones is shown in Attachment 1. The Implementing Instruction for EO13693 (https://www.whitehouse.gov/sites/default/files/docs/eo_13693_implementing_instructions_june_10_2015.pdf) is provided to assist you with meeting the goals.

In addition to the new EO goals, the Secretary of Energy has committed to DOE reducing (Attachment 2) direct greenhouse gas emissions by 50 percent (compared to 40 percent as required by EO13693) over the next decade. While it will be a challenge to meet all the goals, I would like to emphasize that sustainability is recognized as an organizational goal at the highest level of EM management. EM has achieved significant results in past years and continuing your dedication and commitment on maintaining high performance on sustainability is appreciated. I recommend and request that you discuss the requirements of EO 13693 with your staff responsible for implementation, as well as, your project staff to highlight the importance of, and your commitment to integrating sustainability into all appropriate site activities. My office, in coordination with your site point-of-contacts, will discuss potential strategies to demonstrate compliance while minimizing any disruptions to the site's activities.

The DOE Strategic Sustainability Performance Plan, which establishes a foundation for DOE to meet the objectives of EO 13693, is currently under review by the Office of Management and Budget and the Council of Environmental Quality. Once it is approved, EM will formally deliver it to your office along with any required guidance.

If you have any questions, please contact me or Mr. Andrew Szilagyi, Director, Office of Deactivation and Decommissioning/Facility Engineering at (301) 903-4278.

Attachments:

1. Preliminary Analysis of EO 13693 – A Crosswalk
2. June 23, 2015, Memorandum from the Secretary of Energy

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Preliminary analysis of E.O. 13693 – Updates to existing requirements.
Many items still to be defined further by pending OMB/CEQ implementing guidance.

	Goal	Existing Goal Details	E.O. 13693 Status
GHGs	Scope 1&2 GHG	Reduce Scope 1&2 GHG emissions by 28% by FY 2020 compared to FY 2008.	Extended to FY 2025 with same baseline. New goal % and interim targets TBD. E.O. cites opportunity for 40% reduction over next 10 years.
GHGs	Scope 3 GHG	Reduce Scope 3 GHG emissions by 13% by FY 2020 compared to FY 2008.	Extended to FY 2025 with same baseline. New goal % and interim targets TBD. Reporting for newly solicited leases over 10,000 gross square feet now mandatory instead of optional.
Buildings	Energy Intensity	Reduce energy intensity of goal subject buildings by 30% by 2015 compared to FY 2003.	Extended to FY 2025 and baseline changed. Now -25% by FY 2025 compared to a FY 2015 baseline. Interim target of a 2.5% reduction each year.
Buildings	Renewable Electricity	Utilize 20% renewable electricity by FY 2020	Extended to FY 2025. Now 30% by FY 2025. Interim targets of 10% (FY16-17), 15% (FY18-19), 20% (FY20-21), 25% (FY22-23).
Buildings	Total Renewable Energy	N/A - New Goal.	Utilize 25% renewable energy (combined electric and thermal) by FY 2025. Interim targets of 10% (F16-17), 13% (FY18-19). 16% (FY20-21), 20% (FY22-23).
Buildings	Water Intensity	Reduce water intensity by 16% by FY 2015 compared to FY 2007.	Extended to FY 2025 with same baseline. Now -36% by FY 2025. Interim target of a 2% reduction each year. Install water meters and collect water balance data.
Buildings	ILA Water	Reduce ILA water use by 10% by FY 2015 compared to FY 2010.	Extended to FY 2025 with same baseline. Now -30% by FY 2025. Interim target of a 2% reduction each year.
Buildings	HPSB	Ensure 15% of applicable buildings meet all of the Guiding Principles by FY 2015.	Extended to FY 2025. New goal and interim targets % TBD, with guidance that it is 15% at a minimum.
Buildings	Net zero buildings	By FY 2030, achieve zero-net-energy in buildings entering planning process after FY 2020	Mentioned in EO. Original requirement remains. New requirement of identifying % of buildings that will be net-zero energy, water, or waste by FY 2025.
Buildings	Leases	N/A	All leases should include efficiency criteria as a selection factor, and require lessor to disclose carbon emissions or energy consumption for the portion occupied.
Buildings	Infrastructure Planning	Regional and local planning	Include transportation and transit considerations in new location planning, as well as optimized space utilization. Include appropriate electric vehicle charging infrastructure in new major building projects.
Fleet	Fleet GHG	N/A - New Goal.	Reduce fleet-wide per-mile GHG emissions from fleet vehicles by 30% by FY 2025 compared to FY 2014. Interim targets of 5% (by FY17) and 20% (by FY21).
Fleet	Zero Emission Passenger Cars	N/A - New Goal.	50% of new passenger vehicles shall be zero emission vehicles or plug-in hybrid vehicles by FY 2025. A double credit may be available for this goal, with details TBD. Interim target of 20% (FY20).
Fleet	Petroleum	Reduce fleet petroleum fuel use by 30% by FY 2020 compared to FY 2005.	Not mentioned. Awaiting CEQ guidance status of FY 2016-2020 targets and goal.
Fleet	Alt. Fuel	Increase fleet alternative fuel use by 159% by FY 2015 compared to FY 2005.	Not mentioned. Assumed retired when goal concludes in FY 2015.
Fleet	AFV	100% of passenger vehicles procured must be alternative fuel vehicles	Not mentioned. Assumed retired when goal concludes in FY 2015.
Fleet	Other Fleet Items	N/A	Determine optimum fleet inventory with emphasis on eliminating unnecessary vehicles. Include telematics in all new passenger vehicle acquisitions within two years.
Electronics	Data Centers	100% of data centers must be individually metered by FY 2015, with an average PUE of 1.4	Extended. Install advanced meters in all data centers by FY 2018. New PUE of 1.2-1.4 for new data centers and 1.5 for existing.

	Power Management	100% of applicable computers and monitors must utilize power management features.	Mentioned in EO. Awaiting further guidance on targets.
	Electronics Recycling	100% of electronics waste must be recycled through certified recyclers.	Mentioned in EO. Awaiting further guidance on targets.
Other	Performance Contracting	Achieve DOE's commitment to FY 2016 Federal $4 billion performance contracting goal	Goal remains through FY 2016 and extended past that. New targets for FY 2017 and beyond TBD.
	Climate Change	Remove barriers to climate resilient investment and produce Climate Change Adaptation Plan.	Identify climate impacts and take steps to include in operational planning, or calculate cost of inaction and include cost in decision making. Include climate resilient design in operations, existing building projects and new buildings.
	Sustainable Procurement	95% of eligible contracts must include appropriate sustainable acquisition clauses.	Mentioned in EO with increased number of product categories. EPEAT no longer noted specifically. 95% BioPreferred and biobased procurement requirements implemented, with annual targets required until 95% is met. Purchase cleaner alternative to HFCs where feasible and transition to equipment that uses safer alternatives.
	Supply Chain GHG	N/A – New Goal.	Identify and implement as least five new procurements annually which include consideration of supply chain GHGs. Plans should identify evaluation criteria, performance period, and contract clauses that will encourage suppliers to manage and reduce GHGs.
	Waste Diversion	Divert at last 50% of non-hazardous solid waste and 50% of non-hazardous construction and demolition materials and debris	Mentioned in EO. Unchanged.

The Secretary of Energy
Washington, DC 20585

June 23, 2015

The Honorable Shaun Donovan
Director, Office of Management and Budget
Old Executive Office Building
17th Street & Pennsylvania Avenue, NW
Washington, DC 20500

Ms. Christina Goldfuss
Managing Director, Council on Environmental Quality
The White House
1600 Pennsylvania Avenue, NW
Washington, DC 20500

Dear Mr. Donovan and Ms. Goldfuss:

In accordance with Section 2 of Executive Order 13693, dated March 19, 2015, the Department's percentage reduction targets for agency wide reductions of scope 1 and 2 and scope 3 greenhouse gas emissions by the end of fiscal year 2025 are set at 50 percent and 25 percent, respectively. These reductions are relative to an FY 2008 baseline.

FY 2008 Scope 1&2 GHG Baseline:	4,695,942 mtCO2e
FY 2025 Scope 1&2 GHG Target:	2,347,971 mtCO2e
FY 2008 Scope 3 GHG Baseline:	801,391 mtCO2e
FY 2025 Scope 3 GHG Target:	601,044 mtCO2e

If you require any additional information, please contact John Shonder, Director, Sustainability Performance Office, at 202-586-8645.

Sincerely,

Ernest J. Moniz