

## EO 13693: Planning for Federal Sustainability for the Next Decade

The following chart summarizes the major provisions of Executive Order (EO) 13693, *Planning for Federal Sustainability for the Next Decade*, and how they differ from prior authorities. EO 13693 was issued 25 March 2015.

EO Section	EO 13693 Goals and Requirements	Goals and Requirements in Earlier Authorities
GHG emissions – Scopes 1 and 2	Agencies propose new FY25 goal within 90 days of EO (by 23 June 2015), with same baseline [§2]. The Federal-wide goal is a 40% reduction by FY25 [§1].	FY20 goal set by agencies relative to FY08 baseline [EO 13514]
GHG emissions – Scope 3	Agencies propose new FY25 goal within 90 days of EO (by 23 June 2015), to include leased space [§2]	FY20 goal set by agencies relative to FY08 baseline [EO 13514]
GHG emissions – mandatory Scope 3 GHG reporting for leases	The annual GHG inventory will include Scope 3 GHG for all leases over 10,000 GSF starting with FY16 reporting year [§3(h)(v)]	none
GHG emissions – supply chain	The seven largest Federal procuring agencies shall each include in their SSPP a plan to implement at least five new procurements annually in which the agency may include, as appropriate, contract requirements for vendors or evaluation criteria that consider contractor emissions and GHG emissions management practices. The plans shall be implemented as soon as practicable after any relevant administrative requirements have been met. [§15] (Based on total value of FY13 contracts awarded, reported in the FY14 SSPPs, the top 7 agencies are: DoD, DOE, HHS, VA, USACE, DHS, GSA.)	Consider reductions associated with vendors and contractors [EO 13514]
Energy – intensity (Btu/GSF)	Annually reduce 2.5% from <b>FY15</b> , from FY16 through FY25 [§3(a)(i)]	Reduce by 30% (3% annually) by FY15 (from FY03 baseline) [EISA 2007 and EO 13423]
Energy – data center efficiency	Install and monitor advanced energy meters in all data centers by FY18 [§3(a)(ii)(B)] Establish PUE target of ≤1.2–1.4 for new data centers and ≤1.5 for existing [§3(a)(ii)(C)]	Implement best management practices for energy-efficient management of servers and Federal data centers [EO 13514]
Energy – “clean energy” targets (renewable energy, including non- electric, and alternative energy)	10% in FY16–17 13% in FY18–19 16% in FY20–21 20% in FY22–23 25% by FY25 [§3(b)]	none (except for DoD, which under §2911(e)(2) is required to achieve 25% of total electricity as renewable energy by FY25, including non-electric forms)

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Energy – renewable electricity targets	10% in FY16–17 15% in FY18–19 20% in FY20–21 25% in FY22–23 30% by FY25 [§3(c)]	10% of annual electricity use in FY15, rising to 20% in FY20, per December 2013 Presidential Memo. EPACT was 7.5% by FY15.
Water – potable water intensity	Continue 2% annually from FY07 to achieve 36% reduction by FY25 [§3(f)(i)]	Reduce by 26% (2% annually) by FY20 (from FY07 baseline) [EO 13514]
Water – industrial, landscaping, agriculture water	Continue 2% annually from FY10 to achieve 30% reduction by FY25 [§3(f)(iii)]	Reduce by 20% (2% annually) by FY20 (from FY10 baseline) [EO 13514]
Water – metering and management	Improve agency water use efficiency and management by installing water meters and collecting and utilizing building and facility water balance data [§3(f)(ii)]	none
Fleet – inventory optimization	Determine the optimum fleet inventory with emphasis placed on eliminating unnecessary or non-essential vehicles, and report it the SSPP [§3(g)(i)]	Use low greenhouse gas emitting vehicles, including alternative fuel vehicles, and optimize the number of vehicles in the agency fleet [EO 13514]
Fleet – fuel use	Reduce GHG emissions per mile from the fleet, relative to the 2014 baseline: <ul style="list-style-type: none"> <li>• 4% by FY17</li> <li>• 15% by FY21</li> <li>• 30% by FY25</li> </ul> [§3(g)(ii)]	Reduce overall vehicle fuel petroleum use by 30% from FY05 to FY20 (2% annually) [EO 13514, EISA, EO 13423] Increase overall non-petroleum fuel use by 10% annually between FY05 and FY15 [EISA, EO 13423]
Fleet – zero emission vehicles	Zero-emission vehicles or plug-in hybrid vehicles account for 20% of all new passenger vehicle acquisitions by the end of CY20, and 50% by the end of CY25. (Heavier vehicles count double toward passenger vehicle goal) [§3(g)(v)]	none
Fleet – vehicle telematics	Include telematics in all new passenger/light duty vehicle acquisitions within two years from date of order [§3(g)(iii)]	none
Fleet – annual fleet reporting	Ensure that annual asset-level fleet data is accounted in agency Fleet Management System and as relevant, submitted to FAST, FMVRS, and FleetDASH [§3(g)(iv)]	various
Fleet – vehicle charging infrastructure	Plan for infrastructure to fuel zero emission vehicles or plug-in hybrid vehicles, and opportunities for vehicle-to-grid technology [§3(h)(vi)]	none

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Buildings – net zero building <i>design</i>	Starting FY20 all new construction of Federal buildings >5,000 GSF that enters the planning process will be designed to achieve energy net-zero and, where feasible, water or waste net-zero by FY30 [§3(h)(i)]	All new buildings entering planning in 2020 or later designed to achieve zero-net-energy use by 2030 [EO 13514]
Buildings – net zero building <i>inventory</i>	Identify in the SSPP a new 2025 goal (no minimum goal stated) for % of buildings >5,000 GSF (number versus area not stated) that will be net-zero energy, water, <b>or</b> waste [§3(h)(iii)]	none
Buildings – Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings (GPs)	Identify in the SSPP a new 2025 goal (≥ 15% of existing buildings, measured as either number or area) that meet the revised GPs [§3(h)(ii)]. CEQ has 150 days (until 21 August 2015) to issue revised Guiding Principles [§4(f)].	15% of existing buildings to meet GPs by FY15 [EO 13514]
Buildings – mandatory lease clauses	All lease solicitations are to include energy efficiency criteria as a source selection factor or minimum performance standard, and a requirement for lessors to disclose carbon emissions or energy consumption for that portion of the building occupied by the agency [§3(h)(iv)]	Energy Star label required [EISA]
Buildings – climate resilient design	Include climate resilient design in operations, existing building projects and new buildings [§3(h)(viii)]	Agency climate change adaptation plans are to consider resilience in real property investments [EO 13653]
Transportation planning	In planning for new buildings or leases, include cost-effective strategies to optimize sustainable space usage and consider existing community transportation planning and infrastructure, including access to public transit [§3(h)(vi)]	Regional and local integrated planning [EO 13514]
Sustainable acquisition – statutorily mandated purchase preferences	Include in acquisitions to the maximum extent practicable the following products: (A) recycled content designated by EPA; (B) ENERGY STAR and FEMP-designated (EPEAT standard no longer cited by name); and (C) biobased [§3(i)(i)]	Where such products meet agency performance requirements, ensure that 95% of new contract actions are: energy-efficient (Energy Star or FEMP); water-efficient; biobased; environmentally preferable (e.g., certified by the Electronic Product Environmental Assessment Tool, EPEAT); non-ozone depleting; contain recycled content; non-toxic or less-toxic alternatives [EO 13514]
Sustainable acquisition – EPA programs	Purchase to the maximum extent practicable: SNAP (Significant New Alternative Policy) chemicals or other alternatives to ozone-depleting substances and high global warming potential hydrofluorocarbons, where feasible; WaterSense products and services; Safer Choice labeled products; SmartWay Transport partners and products [§3(i)(ii)]	

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Sustainable acquisition – environmentally preferable purchasing	Purchase to the maximum extent practicable products or services that meet EPA specifications, standards, or labels, or criteria developed or adopted by certain voluntary consensus standards bodies [see §3(i)(iii) for details]	
Sustainable acquisition – BioPreferred and biobased	Until 95% biobased purchasing achieved, report in the SSPP a target for the number and dollar value of biobased product and service contracts to be awarded [§3(i)(iv)]	Procurement preference for highest bio-based content [Farm Bill/Agricultural Act]
Solid waste diversion	Same, but specifies that non-hazardous waste includes compostable material [§3(j)(ii),(iii)]	Divert 50% of non-hazardous solid waste in FY15, and 50% of construction debris [EO 13514]
Toxic and hazardous chemicals and materials	Substantively the same (“Reduce or minimize the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed of, particularly where such reduction will assist the agency in pursuing agency GHG emission reduction targets”) [§3(j)(iv)]	Reduce quantity of toxic & hazardous chemicals and materials acquired, used, or disposed. Increase agency use of acceptable alternative chemicals and processes in keeping with the agency's procurement policies; and decrease agency use of chemicals where such decrease will assist the agency in achieving GHG targets [EO 13514]
Performance contracting	Fulfill existing commitments through FY16 then, beginning for 2017, set and report annual agency targets in the SSPP [§3(k)]	2011 President’s Performance Contracting Challenge
Electronics Stewardship – features on equipment	Same	Establish and implement policies to enable power management, duplex printing, and other energy-efficient or environmentally sustainable features on all eligible agency electronic products [EO 13514]
Electronics Stewardship – sustainable procurement	Environmentally sustainable procurement as per §3(i)	EPEAT, ENERGY STAR, FEMP-designated [EO 13514]
Electronics Stewardship – disposition	Same	Employ environmentally sound practices with respect to the agency’s disposition of all agency excess or surplus electronic products [EO 13514]
Agency Chief Sustainability Officer – designation	Designate a Chief Sustainability Officer within 45 days of issuance (8 May 2015); must be a senior civilian officer of the USG compensated at ES-IV or above [§7(a)]	Senior Sustainability Officer is chosen from among the agency’s “senior management officials” [EO 13514]
Agency Chief Sustainability Officer – internal meetings	Meet quarterly with those within the agency responsible for implementing the EO [§9(e)]	none

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Lessor or contractor operation of agency buildings or vehicles	Ensure that leases and contracts for lessor or contractor operation of Government-owned buildings or vehicles facilitate the agency's compliance with this order [§7(d)]	none
Sustainable employee commuting and travel	Consider developing policies to promote sustainable commuting and work-related travel practices for Federal employees (including workplace vehicle charging and telecommuting) [§7(f)]	Consider implementing strategies and accommodations for transit, travel, training, and conferencing that actively support lower-carbon commuting and travel by agency staff [EO 13514]
Awards to recognize excellence	Foster outstanding performance and excellence in agency efforts to implement this order through opportunities such as agency leadership award programs [§7(h)]	Administer the Presidential leadership awards program to recognize exceptional and outstanding agency performance [EO 13514]
Climate Change Resilience – Cost Considerations	Calculate the potential cost of not taking into account agency vulnerabilities to climate change, and consider that cost in agency decision-making [§13]	Cost considerations not explicitly addressed this way in EO 13653
Strategic Sustainability Performance Plan (SSPP)	Submit an annual SSPP from FY15 through FY25 [§14]	Submit an annual SSPP from FY11 through FY21 [EO 13514]
Notification of Exemptions	Notify CEQ of exemptions to this EO by 30 days from issuance (24 April 2015) [§18(d)]	N/A
Revocations	EO revoked two prior sustainability EOs and part or all of four Presidential Memoranda. Except as noted elsewhere in this document, revocations would generally have little effect as their requirements are consolidated and restated in this draft. [§16]	N/A