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OVERVIEW
OF
EXECUTIVE ORDER 13514
*Federal Leadership in Environmental,
Energy, and Economic Performance*

REVISED DRAFT 10-08-09 srw

Overview

- Background of E.O. 13514
- Goals of the new E.O.
- Near-term deadlines of the new E.O.
- Agency and Site Responsibilities
- Near-term effects of the new E.O.

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BACKGROUND

Executive Order 13514

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- On October 5, the President signed the new E.O. establishing an integrated strategy towards sustainability in the Federal Government and making reduction of greenhouse gas (GHG) emissions a priority for agencies.
- The new E.O.:
 - establishes GHG emission reduction as an overarching, integrating performance metric for all Federal agencies;
 - requires a deliberative planning process, linked to budget allocations and scored by OMB, to ensure goal achievement.
- E.O. 13423 *Strengthening Federal Environmental, Energy, and Transportation Management* (January 29, 2007) is not revoked by the new E.O.; the requirements of that Order remain in effect.

E.O. 13514 Policy

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The Federal Government shall lead by example in creating a clean energy economy. Federal agencies shall:

- Increase energy efficiency;
- Measure, report and reduce their GHG emissions;
- Conserve and protect water resources;
- Eliminate waste, recycle, and prevent pollution;
- Leverage agency acquisition to foster markets for sustainable technologies and environmentally preferable materials, products and services;
- Design, construct, maintain, and operate high performance sustainable buildings in sustainable locations;
- Strengthen the vitality and livability of communities in which Federal facilities are located; and
- Inform Federal employees about and involve them in achieving these goals.

GHG Emissions

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- **SCOPE 1: Direct GHG emissions owned or controlled by Federal agency**

- Stationary External Combustion
- Stationary Internal Combustion
- Fleet Vehicles
- Fugitive Emissions

- **SCOPE 2: Direct GHG emissions from purchased utilities**

- Electricity
- Heat
- Steam

- **SCOPE 3: Indirect GHG emissions**

- Employee commuting
- Business travel
- Waste
- Production & transport of purchased material
- Other

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GOALS OF E.O. 13514

Goals of E.O. 13514

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- Section 2 of the E.O. identifies a series of “Goals for Agencies.”
- These are to be addressed by each agency in its *Strategic Sustainability Performance Plan*.
- In particular, the E.O. calls for each agency to establish targets for reduction of greenhouse gasses (GHG) by 2020.
- The Goals are listed on the following slide, and are discussed in more detail in a companion presentation.

Goals of E.O. 13514

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1. Reduce GHG emissions
2. Improve water use efficiency and management
3. Promote pollution prevention and eliminate waste
4. Advance regional and local integrated planning
5. Implement high performance sustainable building design, construction, operation and management, maintenance, and deconstruction
6. Advance sustainable acquisition
7. Promote electronics stewardship
8. Sustain environmental management systems

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NEAR-TERM DEADLINES

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Deadline: Within 30 Days

Secretary designates DOE's Senior Sustainability Officer



Deadline: Within 90 Days **DRAFT**

DOE submits

- FY 2008 DOE scope 1 and 2 GHG baseline
- 2020 reduction targets for scope 1 and 2 emissions

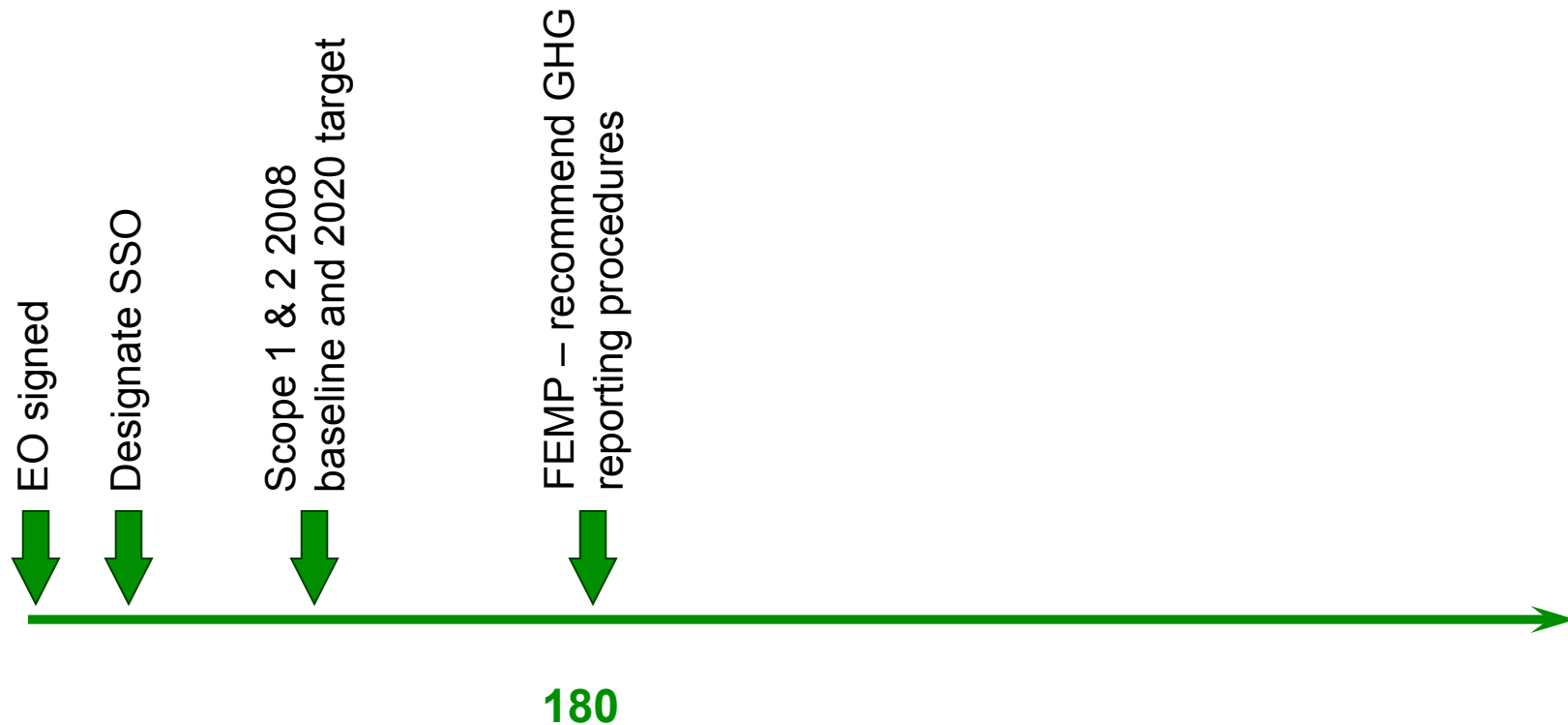


Near-Term Deadlines

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Deadline: Within 180 Days

- FEMP recommends greenhouse gas (GHG) reporting procedures for federal agencies.
- DOE issues guidance on Federal fleet management.



Deadlines: Within 240 Days **DRAFT**

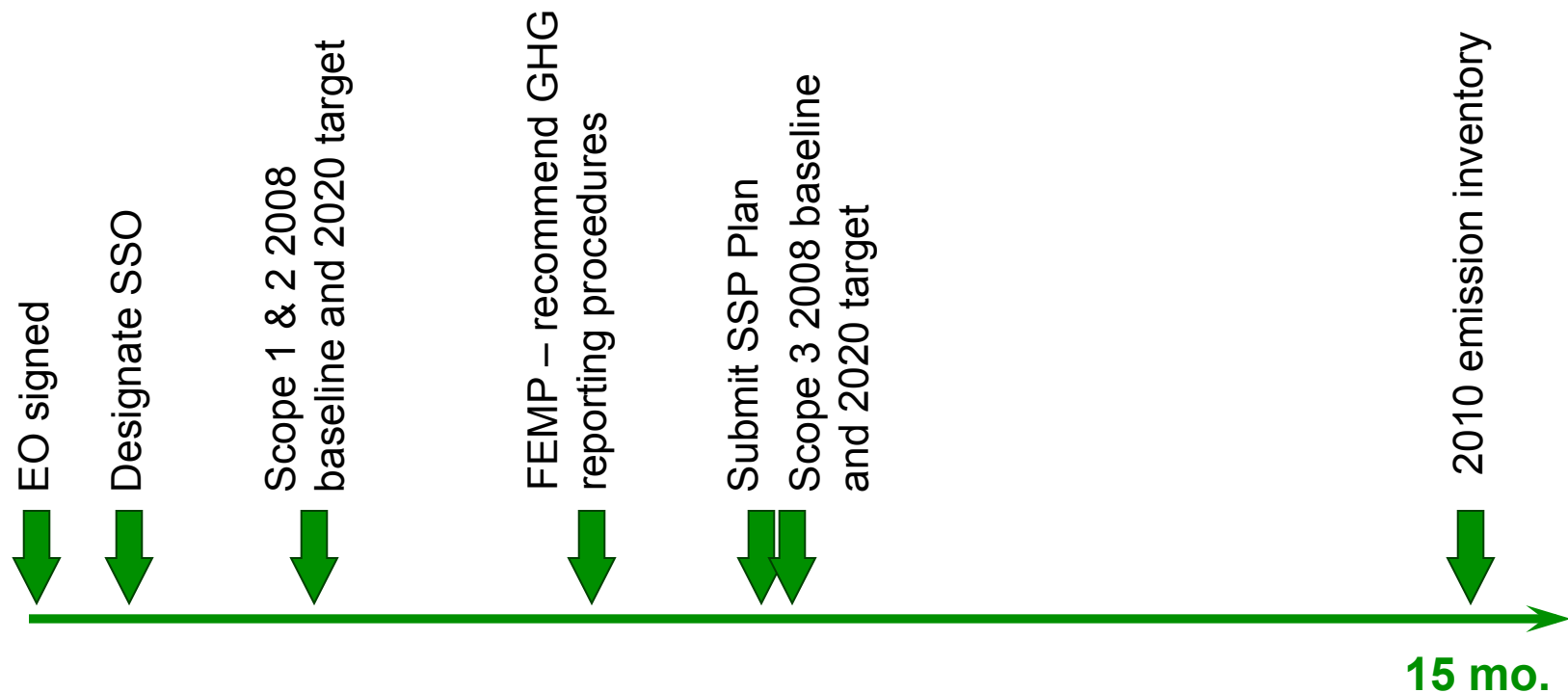
- DOE submits the Department's multi-year *Strategic Sustainability Performance (SSP) Plan*.
- DOE submits the Department's scope 3 GHG emission baseline for FY 2008, and DOE's 2020 reduction target for scope 3 emissions.



Near-Term Deadlines

Within 15 Months

DOE establishes and reports its (first annual) comprehensive GHG emission inventory for FY 2010.



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AGENCY AND SITE RESPONSIBILITIES

DOE's Senior Sustainability Officer

- Prepares agency-wide GHG inventory.
- Develops DOE targets for GHG emissions reductions.
- Prepares and implements the *Strategic Sustainability Performance (SSP) Plan* in coordination with appropriate offices and organizations including
 - General Counsel
 - Chief Information Officer
 - Chief Acquisition Officer
 - Chief Financial Officer
 - Senior Real Property Officers.
- Submits the SSP Plan to CEQ and OMB for their approval.
- Monitors DOE's performance and progress in implementing the Plan and reports to CEQ and OMB.
- Reports annually to the Secretary on adequacy and effectiveness of DOE's SPP Plan to implement the E.O.

Strategic Sustainability Performance Plan

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The SSP Plan shall

- Include a policy statement committing DOE to compliance with environmental and energy statutes, regulations, and Executive Orders.
- Achieve the goals and targets in Section 2 of the E.O., including DOE's GHG reduction targets;
- Be integrated into DOE's strategic planning and budget process;
- Identify DOE activities, policies, plans, procedures and practices that are relevant to DOE's implementation of the E.O., and develop new ones where necessary;
- Identify specific DOE goals, a schedule, milestones, and approaches for achieving results; and quantifiable metrics for DOE implementation of the E.O.
- Incorporate actions for achieving progress metrics identified by OMB and CEQ

SSP Plan (cont.)

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The SSP Plan shall (cont.):

- Take into consideration environmental measures as well as economic and social benefits and costs in evaluating projects and activities based on lifecycle return on investment;
- Outline planned actions to make available information about DOE's progress and performance in achieving the E.O. goals on a publicly available Federal Website;
- Evaluate DOE climate change risks and vulnerabilities to manage their effects on DOE operations and missions in the short- and long-term;
- Identify in annual updates opportunities for improvement and evaluation of past performance to expand or extend projects with net lifecycle benefits and reassess or discontinue under-performing projects.

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Linking the SSP Plan and the Budget

- OMB will review and approve each agency's SSP Plan and each annual update.
- Where feasible, this review will be concurrent with OMB's review and evaluation of the agency's budget request.
- OMB will approve and issue instructions to the heads of agencies concerning budget and appropriations matters relating to implementation of E.O. 13514.

Environmental Management Systems

The E.O. specifically directs agencies to sustain environmental management, including:

- continuing the implementation of formal environmental management systems at all appropriate organizational levels, and
- ensuring these systems are appropriately implemented and maintained to achieve the performance necessary to meet the goals of the E.O.

To meet this goal, each DOE EMS should include objectives and measurable targets that will support the achievement of the specific goals and targets contained in DOE's SSP Plan.

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EFFECTS

Effects on Current Reporting

- There should be no change in DOE's reporting for FY09 (EMS and Pollution Prevention).
- Once OMB develops new metrics the Department will revisit our internal reporting procedures.

Effect on Contractors and Vendors

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- Within 180 days of issuance of E.O. 13514, the General Services Administration (GSA) shall provide recommendations to CEQ and OMB's Office of Federal Procurement.
- These recommendations will address the feasibility of
 - Working with the Federal vendor and contractor community to provide information to assist Federal agencies in tracking and reducing scope 3 GHG emissions
 - Requiring contractors and vendors to register with a voluntary registry or organization for reporting GHG emissions;
 - Requiring contractors [and subcontractors] to develop and make available their GHG inventory and description of efforts to mitigate GHG emissions
 - Use of Federal purchasing preferences or other incentives for products manufactured using processes that minimize GHG emissions
 - Other options to encourage sustainable practices and reduce GHG emissions

Conclusion

- DOE faces several challenging near-term deadlines:
 - Preparing our GHG inventories
 - Establishing our GHG reduction targets
 - Developing our *Strategic Sustainability Performance Plan*
- Our longer-term challenge will be to meet our GHG reduction targets and other goals.

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