

## Learner's Guide

### Executive Order 13514 – Federal Leadership in Environmental, Energy, and Economic Performance

Instructor:

Leslie Gillespie-Marthaler

The White House Council on Environmental Quality

FEMP Content Expert:

Chris Tremper

Program #1

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**Seminar:**  
**Executive Order 13514 –**  
**Federal Leadership in Environmental, Energy, and Economic Performance**

Background on the FEMP First Thursday Seminars

The First Thursday seminars are designed for Federal Energy Managers but are open to anyone whose scope of responsibility involves influencing decisions to increase energy efficiency, conserve water resources, and meet other Federal sustainability goals.

There are three ways to participate in the seminars.

1. Live streaming video available on the day of the event over the internet to a desktop computer or via a projection system in a conference room;
2. Digital and Analog Satellite downlink technology for group showings; and,
3. Archived streaming video available after the event over the internet on a desktop computer or via a projection system in a conference room.

To learn more about accessing specific seminars, access <http://www.femp.energy.gov/training>.

**Introduction to the Seminar “Executive Order 13514 –**  
**Federal Leadership in Environmental, Energy, and Economic Performance”**

The seminar “Executive Order 13514 – Federal Leadership in Environmental, Energy, and Economic Performance” is being offered live on Thursday, February 4, 2010 at 1:30 p.m. Eastern Time. For access and other course information, access: <http://www.femp.energy.gov/training>

The seminar is designed to give you up-to-date information on Executive Order 13514 though much of the implementing guidelines will still be under development at the time of the seminar.

The seminar will last 90 minutes.

**Learner Objectives**

After completing this seminar and within your scope of responsibility:

1. You will understand the Goal Areas as outlined in Executive Order 13514;
2. Give an explanation of the purpose and national benefits of Executive Order 13514;
3. Begin the discussion process to meet the goals of Executive Order 13514; and
4. Share your learning with other decision makers within your facility and agency.

## Asking Questions

At the end of each seminar, there will be an opportunity for you to ask questions. You will be able to email, fax, or ask questions by phone. The phone, fax, and email information will be posted on the screen during the seminar.

During the live broadcast, ask questions by either:

- dialing the toll free number 800-775-3728,
- faxing questions to 865-381-0554,
- or by sending an email to [FTS@energyworkshops.org](mailto:FTS@energyworkshops.org).

## Upon Seminar Completion

Each participant who signs a Roster will be sent an email with a link to the seminar evaluation and the open book quiz. If you do not have a Roster, they are available at <http://www.femp.energy.gov/training>. Please sign the Roster and scan/email to [ruleb@tds.net](mailto:ruleb@tds.net) or Fax to 865-381-0554. Upon completion of the evaluation and the open book quiz, you will be able to print a course completion certificate for your records.

## Resources for Your Use

Following are some quick and useful references concerning Executive Order 13514.

View Executive Order 13514 at <http://www.fedcenter.gov/Bookmarks/index.cfm?id=13641>

A summary of E.O. 13514 completed by the DOE Energy Efficiency and Renewable Energy Program can be accessed at <http://www1.eere.energy.gov/femp/regulations/eo13514.html>.

The “Sustainability Crosswalk” aligns goals and targets from E.O. 13514, E.O. 13423, and statutes, in order to assist federal managers in identifying current requirements. It can be accessed at <http://www1.eere.energy.gov/femp/docs/sustainabilitycrosswalk.doc>.

## Definitions in Executive Order 13514

For reference during the seminar, the following definitions are provided in Executive Order 13514.

### **absolute greenhouse gas emissions -**

total greenhouse gas emissions without normalization for activity levels and includes any allowable consideration of sequestration.

### **alternative fuel vehicle -**

vehicles defined by section 301 of the Energy Policy Act of 1992, as amended (42 U.S.C. 13211), and otherwise includes electric fueled vehicles, hybrid electric vehicles, plug-in hybrid electric vehicles, dedicated alternative fuel vehicles, dual fueled alternative fuel vehicles, qualified fuel cell motor vehicles, advanced lean burn technology motor vehicles, self-propelled vehicles such as bicycles and any other alternative fuel vehicles that are defined by statute.

**construction and demolition materials and debris -**

materials and debris generated during construction, renovation, demolition, or dismantling of all structures and buildings and associated infrastructure;

**divert, diverting -**

redirecting materials that might otherwise be placed in the waste stream to recycling or recovery, excluding diversion to waste-to-energy facilities;

**energy intensity -**

energy consumption per square foot of building space, including industrial or laboratory facilities;

**environmental -**

environmental aspects of internal agency operations and activities, including those aspects related to energy and transportation functions.

**excluded vehicles and equipment -**

any vehicle, vessel, aircraft, or non-road equipment owned or operated by an agency of the Federal Government that is used in:(i) combat support, combat service support, tactical or relief operations, or training for such operations; (ii) Federal law enforcement (including protective service and investigation);(iii) emergency response (including fire and rescue); or (iv) spaceflight vehicles (including associated ground-support equipment).

**greenhouse gases -**

carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride.

**renewable energy -**

energy produced by solar, wind, biomass, landfill gas, ocean (including tidal, wave, current, and thermal), geothermal, municipal solid waste, or new hydroelectric generation capacity achieved from increased efficiency or additions of new capacity at an existing hydroelectric project.

**scope 1 -**

direct greenhouse gas emissions from sources that are owned or controlled by the Federal agency.

**scope 2 -**

direct greenhouse gas emissions resulting from the generation of electricity, heat, or steam purchased by a Federal agency.

**scope 3 -**

greenhouse gas emissions from sources not owned or directly controlled by a Federal agency but related to agency activities such as vendor supply chains, delivery services, and employee travel and commuting.

**sustainability, sustainable -**

to create and maintain conditions, under which humans and nature can exist in productive harmony, that permit fulfilling the social, economic, and other requirements of present and future generations.

**water consumption intensity -**

water consumption per square foot of building space.

**zero-net-energy building -**

a building that is designed, constructed, and operated to require a greatly reduced quantity of energy to operate, meet the balance of energy needs from sources of energy that do not produce greenhouse gases, and therefore result in no net emissions of greenhouse gases and be economically viable.

**Other Terminology Used in This Seminar**

**The Council on Environmental Quality (CEQ)** coordinates Federal environmental efforts and works closely with agencies and other White House offices in the development of environmental policies and initiatives. CEQ was established within the Executive Office of the President by Congress as part of the National Environmental Policy Act of 1969 (NEPA) and additional responsibilities were provided by the Environmental Quality Improvement Act of 1970. The current CEQ chairman, Nancy Sutley, was appointed by President Barack Obama on the 15th December, 2008[1] and confirmed by the Senate on the 22nd January 2009.

**The Office of the Federal Environmental Executive (OFEE)** is responsible for promoting sustainability and environmental stewardship throughout Federal government operations. Created by Executive Order in 1993, the Office is housed at the President's Council on Environmental Quality, administered by EPA, and steward to the interagency Steering Committee on Federal Sustainability. Michelle Moore serves as Federal Environmental Executive, and is responsible for promoting sustainability and environmental stewardship throughout the federal government's operations.

**Handouts**

You may also want to print a copy of the handouts for this seminar. You can access the handouts at <http://www.femp.energy.gov/training>