

Federal Leadership in Environment, Energy and Economic Performance

On Oct. 5, 2009 the President signed Executive Order 13514 – Federal Leadership in Environmental, Energy, and Economic Performance, which increases federal requirements for sustainability with emphasis on reducing greenhouse gas emissions. This order is in addition to previous requirements under Executive Order 13423, including the DOE Transformational Energy Action Management (TEAM) initiative. The executive order lays out sweeping goals for the federal sector, and the Department of Energy has required development of site specific sustainability plans. Among other elements the order includes the following:

- **GREENHOUSE GAS REDUCTION:** Reduce greenhouse gas by 28 percent from the FY08 baseline by the end of FY20.
- **ENERGY EFFICIENCY:** Reduce energy intensity by 30 percent from the FY03 baseline by the end of FY15.
- **WATER CONSERVATION:** Reduce potable water consumption by 16 percent from the FY07 baseline by the end FY15 and 26 percent by the end FY20.
- **RENEWABLE ENERGY GENERATION/CONSUMPTION:** Meet or exceed the executive order consumption goal to generate or purchase 7.5 percent of renewable electricity by 2010.
- **SUSTAINABLE BULDINGS – NEW CONSTRUCTION AND MAJOR RENOVATIONS:** Achieve a LEED Gold standard for all new construction and major renovations over \$5 million. Comply with the “Guiding Principles” for Federal Leadership in High Performance and Sustainable Buildings for other construction.
- **SUSTAINABLE BULDINGS – CURRENT INVENTORY:** Ensure that 15 percent of the existing federal capital asset building inventory, as of the end of FY15, incorporates the sustainable practices in the “Guiding Principles.” Ultimately, ensure that all our buildings are energy and water efficient and provide a comfortable workplace.

To do all of this implies fundamental organizational change in terms of culture, process and management approach. These changes will involve paying close attention to the following:

- Reducing of overall energy use
- Increasing use of waste recycling
- Procuring Energy Star or Federal Energy Management Program-designated products when available
- Seeking conservation and energy reduction from vendors and sub contractors
- Rethinking expenditures for business travel and conferencing
- Intensifying our efforts to minimize waste and prevent pollution at the source
- Adopting landscape and land management processes that use less energy and water
- Continuing to use the [EPEAT program](#) to purchase energy efficient electronic equipment
- Using “smart building” technologies to optimize building and system operations
- Identifying opportunities to consolidate and dispose of existing inefficient assets