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Federal Energy Management Program

DOE's Federal Energy Management Program and the Energy Policy Act of 2005

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Federal Energy Management Program Responsibilities

- Section 102 – Energy Management Requirements
- Section 103 – Energy Use Measurement and Accountability
- Section 104 – Procurement of Energy Efficient Products
- Section 109 – Federal Building Performance Standards
- Other Sections of Interest
- New Executive Order 13423



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Section 102 – Energy Management Requirements

- Mandate – 2% reduction per year in energy consumption per gross square foot for all Federal buildings as compared with the reported 2003 values



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Section 102 – Energy Management Requirements

- FEMP Activities
 - collect and track energy management reports from agencies for inclusion into DOE's report to Congress on progress towards meeting this goal



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Section 103 – Energy Use Measurement and Accountability

- Mandate – all Federal buildings, for the purpose of efficient use of energy and reduction in the cost of electricity used in such buildings, shall be metered



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Section 103 – Energy Use Measurement and Accountability

- FEMP Activity
 - FEMP Guidance for Electrical Metering in Federal Buildings

http://www1.eere.energy.gov/femp/pdfs/adv_metering.pdf



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Section 104 – Procurement of Energy Efficient Products

- Mandate – to meet the requirements of an agency for an energy-consuming product, the head of the agency shall procure an Energy Star product or a FEMP designated product



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Section 104 – Procurement of Energy Efficient Products

- FEMP Activities
 - FEMP Procurement Website
<http://www.eere.energy.gov/femp/procurement/>
 - Notice of Proposed Rulemaking



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Section 109 – Federal Building Performance Standards

- Mandate – New Federal buildings must achieve savings of at least 30% below ASHRAE Standard 90.1-2004 (for commercial buildings) or the 2004 IECC (for low-rise residential buildings) if cost-effective. Buildings must also use sustainable design principles for siting, design, and construction, if cost-effective.



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Section 109 – Federal Building Performance Standards

- FEMP Activities
 - Interim Final Rule on Energy Efficiency of December 4, 2006
 - Notice of Proposed Rulemaking on Sustainable Design
 - Training for Agencies



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Other Sections of Interest

- Section 105 – Energy Saving Performance Contracts - reauthorizes use of ESPC to 2016
- Section 203 – Federal Purchase Requirement – requires purchase of renewable energy starting at 3% in 2007
- Section 204 – Use of Photovoltaic Energy in Public Buildings – allows GSA to establish a PV energy commercialization program



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EO 13423 Strengthening Federal Environmental, Energy, and Transportation Management

- Signed January 24, 2007
- Confirms and strengthens many mandates in the Energy Policy Act of 2005
- Makes mandatory Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings



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EO 13423 Strengthening Federal Environmental, Energy, and Transportation Management

- FEMP Response
 - Coordinate legislatively mandated rules with new executive order
 - Update existing procurement and energy management information with new requirements



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Thank-You

- Questions?