

Enclosure 3

FY 2003 Federal Agency Energy Scorecard

Department/Agency Name		Contact Name and Phone	
U.S. Nuclear Regulatory Commission		Ken McDow 301-415-1712	
Name of Senior Energy Official		Signature of Senior Energy Official	
Michael L. Springer			

Did your agency . . .	Yes	No	Anticipated Submittal Date
<input type="checkbox"/> 1. Submit its FY 2003 energy report to OMB and DOE by January 1, 2004 (Sec. 303)?	x		1/1/04
<input type="checkbox"/> 2. Submit a FY 2004 Implementation Plan by January 1, 2004 (Sec. 302)?	x		1/1/04
Did your agency . . .	Yes	No	Comments
* <input type="checkbox"/> 3. Implement or continue to use renewable energy projects at Federal installations or facilitate the siting of renewable generation on Federal land in FY 2003 (Sec. 204)? (Report all self-generated renewable energy from projects installed after 1990; refer to Table 1-7 on the Energy Management Data Report)		x	If yes, how many projects and how much energy generated? (Specify unit: MWH or MMBtu) Solar - _____ Wind - _____ Thermal ¹ - _____ Biomass - _____ Other RE - _____
** 4. Purchase energy generated from new renewable energy sources in FY 2003 (Sec. 204)? ²		x	If yes, how much: _____ MWH or _____ MMBtu
*** <input type="checkbox"/> 5. Invest direct FY 2003 appropriations in projects contributing to the goals of the Order (Sec. 301)?		x	If yes, how much: \$ _____
*** <input type="checkbox"/> 6. Specifically request funding necessary to achieve the goals of the Order in its FY 2005 budget request to OMB (Sec. 301)? (Refer to OMB Circular A-11, Section 25.5, Table 2)		x	If yes, how much: \$ _____
*** <input type="checkbox"/> 7. Perform energy audits of 10% of its facility space during the fiscal year (Sec. 402)?		x	What percentage of facility space was audited during the FY? ___% % How much facility space has been audited since 1992? <u>100</u> %

¹ Examples are geothermal, solar thermal, and geothermal heat pumps. Thermal energy from geothermal heat pumps should be determined as follows: Thermal energy = Total geothermal heat transferred - electrical energy used.

² "New" renewable energy means sources developed after 1990.

³ Investment value includes design, materials, labor, overhead, and profit but excludes contractor's financing costs and government's administration costs. Using investment value allows comparison with other traditional execution methods such as appropriated and working capital funded projects.

<p><input type="checkbox"/> 8. Issue to private-sector energy service companies (ESCOs) any energy savings performance contract (ESPC) task orders (Sec. 403(a))? (Refer to Table 2-2 on the Energy Management Data Report)</p>	<p>Total investment value³: \$ Cumulative guaranteed cost savings: \$</p>	<p>x</p>	<p>How many? _ Annual savings (MMBtu): _ Annual savings guaranteed: \$ Contracts award value: \$</p>
---	--	----------	--

³ Investment value includes design, materials, labor, overhead, and profit but excludes contractor's financing costs and government's administration costs. Using investment value allows comparison with other traditional execution methods such as appropriated and working capital funded projects.

Did your agency	Yes	No	Comments
***** Q9. Issue any utility energy services contract (UESC) task orders (Sec. 403(a))? (Refer to Table 2-3 on the Energy Management Data Report)		X	How many? _ Annual savings (MMBtu): _ Total investment value ² : \$ _ Cumulative cost savings: \$ _ Contracts award value: \$ _
Q10. Incorporate energy efficiency requirements into relevant acquisitions (Sec. 403(b)(3))?	X		
***** Q11. Adopt and apply the sustainable design principles (e.g., Whole Building Design Guide, Leadership in Energy and Environmental Design (LEED)) to the siting, design, and construction of new facilities or major (budget line item) renovations begun in FY 2003 (Sec. 403(d))?		X	Number of new building design/construction projects in FY 2003: _ Number of these projects that can or will be certified under LEED: _
2. Provide training to appropriate personnel ⁴ on energy management (Sec. 406(d))?	X		Number of appropriate personnel trained: <u>1</u> Total number of appropriate personnel: _
Q13. Implement any additional management tools (Sec. 406)?	X		Check all that apply: Awards: _ Performance Evaluations: _ Showcase Facilities: _ Number of Showcase Facilities designated in fiscal year: _
Q14. Establish Water Management Plans (WMPs) and implement at least 4 Best Management Practices (BMPs) in at least 10% of agency facilities (Sec. 207,503(f))?	X		Number of facilities with WMPs and 4 BMPs: <u>2</u> Number of facilities in agency inventory: <u>2</u>

NOTE: Provide additional information if a "No" reply is used for any of the questions above.
 OVEN/IWEN OVEN/IWEN OVEN/IWEN OVEN/IWEN

Release enter data from annual energy report pertinent to performance toward the goals of Executive Order 13123	Base Year	Previous Year (2002)	Current Year (2003)	% Change (Current vs Base)
15. Site Energy Efficiency Improvement Goals (Sec. 202). 1985 Base Year	Btu/Ft ² 123.8/106.1	Btu/Ft ² 114.7/98.7	Btu/Ft ² 123.4/103.5	% .3/-2.4
16. Source Energy Use (Sec. 206). 1985 Base Year	N/A BBtu	N/A BBtu	N/A BBtu	%
17. Industrial/Energy Intensive Facilities Goals (Sec. 203). 1990 Base Year	N/A Btu/unit	N/A Btu/unit	N/A Btu/unit	%
18. Water Conservation Goal (Sec. 207). 2000 Base Year	22.72 MGal	22.01 N/A	28.35 MGal	20 + %
19. Renewable Energy (Sec. 204) Energy used from self-generation and RE purchases	N/A	BBtu	BBtu	N/A

Abbreviation Key: Btu/Ft² = British thermal units per gross square foot
 Btu/unit = British thermal units per unit of productivity (or gross square foot when such a unit is inappropriate or unavailable)
 MGal = Million gallons
 MMBtu = Million British Thermal Units

⁴ Appropriate personnel include the agency energy management team as well as Federal employees and on-site contractors who are energy or facility managers, operations and maintenance workers, design personnel, procurement and budget staff, and legal counsel.

- * Renewable energy is not commercially available and there is no Federal land available where NRC could facilitate the siting of renewable generation to serve the NRC's White Flint North Complex.
- ** There are no commercial renewable energy sources available.
- *** NRC planned to use the DOE, Energy Savings Performance Contract (ESPC) in FY03. The contract provides an alternative financing mechanism in which no capital funding by Federal agencies is required. The DOE contractor conducts a comprehensive energy audit and incurs all project cost. The contractor is paid from the savings achieved as a result of implementing energy conservation projects. We plan to use the ESPC in FY04 to perform energy audits and implement cost effective energy conservation projects.
- **** No utility energy service contracts (UESC) were available in FY03.
- ***** NRC is not responsible for the design or construction of new facilities. No major renovations at NRC's White Flint North Complex were performed in FY03.