

FY 2006 Federal Agency Energy Scorecard

Department/Agency Name	Contact Name and Phone
Department of Defense	CDR Brad Hancock, (703) 571-9074
Name of Senior Energy Official	Signature of Senior Energy Official
Kenneth J. Krieg	 JAN 15 2007

Did your agency . . .	Yes	No	Anticipated Submittal Date																								
1. Submit its FY 2006 energy report to OMB and DOE by January 1, 2007 (Sec. 303)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	< December 31, 2006																								
2. Submit a FY 2007 Implementation Plan by January 1, 2007 (Sec. 302)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	< December 31, 2006																								
Did your agency . . .	Yes	No	Comments																								
3. Implement or continue to use renewable energy projects at Federal installations or facilitate the siting of renewable generation on Federal land in FY 2006 (Sec. 204)? (Report all self-generated renewable energy from projects installed after 1990; refer to Table 1-7 on the Energy Management Data Report)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, how many projects and how much energy generated? (Specify unit: MWH or MMBtu) <table style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th></th> <th># Projects</th> <th>Energy</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>Solar</td> <td style="text-align: right;">106</td> <td style="text-align: right;">8689.1</td> <td style="text-align: right;">MWH</td> </tr> <tr> <td>Wind</td> <td style="text-align: right;">10</td> <td style="text-align: right;">15,810.8</td> <td style="text-align: right;">MWH</td> </tr> <tr> <td>Thermal¹</td> <td style="text-align: right;">9453</td> <td style="text-align: right;">2,616,364.9</td> <td style="text-align: right;">MWH</td> </tr> <tr> <td>Biomass</td> <td style="text-align: right;">2</td> <td style="text-align: right;">25,378.2</td> <td style="text-align: right;">MMBtu</td> </tr> <tr> <td>Other RE</td> <td style="text-align: right;">69</td> <td style="text-align: right;">150,711.7</td> <td style="text-align: right;">MMBtu</td> </tr> </tbody> </table>		# Projects	Energy	Unit	Solar	106	8689.1	MWH	Wind	10	15,810.8	MWH	Thermal ¹	9453	2,616,364.9	MWH	Biomass	2	25,378.2	MMBtu	Other RE	69	150,711.7	MMBtu
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4. Purchase energy generated from new renewable energy sources in FY 2006 (Sec. 204)? ² (Refer to Table 1-6 on the Energy Management Data Report)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, how much: <u>1,213,782.0</u> MWH and <u>1,601,786.1</u> MMBtu																								
5. Invest direct FY 2006 appropriations in projects contributing to the goals of the Order (Sec. 301)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, how much: <u>\$158,791.8K</u>																								
6. Specifically request funding necessary to achieve the goals of the Order in its FY 2008 budget request to OMB (Sec. 301)? (Refer to OMB Circular A-11, Section 25.5, Table 2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, how much: <u>\$443,791.0K</u>																								
7. Perform energy audits of 10% of its facility space during the fiscal year (Sec. 402)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	What percentage of facility space was audited during the FY? <u>13.3</u> % How much facility space has been audited since 1992? ³ <u>154.8</u> %																								
8. Issue to private-sector energy service companies (ESCOs) any energy savings performance contract (ESPC) delivery orders (Sec. 403(a))? (Refer to Table 2-2 on the Energy Management Data Report)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	How many? <u>19</u> Annual savings (MMBtu): <u>1,325,805.8</u> Total investment value ⁴ : <u>\$232,277.7K</u> Cumulative guaranteed cost savings: <u>\$429,134.5K</u> Award value: <u>\$586,494.4K</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 Should be greater than 100% if all facility space has been audited at least once since 1992.

4 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
9. Issue any utility energy services contract (UESC) delivery orders (Sec. 403(a))? (Refer to Table 2-3 on the Energy Management Data Report)	X		How many? <u>17</u> Annual savings(MMBtu): <u>424,245.6</u> Total investment value ⁴ : <u>\$68,384.7K</u> Cumulative cost savings: <u>\$72,742.3K</u> Award value: <u>\$97,473.8K</u>
10. Incorporate energy efficiency requirements into relevant acquisitions (Sec. 403(b)(3))?	X		
11. 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 2005 (Sec. 403(d))?	X		Number of new building (or major renovation) design/construction projects in FY 2006 ⁵ : <u>599</u> Number of these projects that can or will be certified under LEED ⁵ : <u>247</u>
12. Provide training to appropriate personnel ⁶ on energy management (Sec. 406(d))?	X		Number of appropriate personnel trained: <u>3200</u> Total number of appropriate personnel: <u>8871</u>
13. Implement any additional management tools (Sec. 406)?	X		Check all that apply: Awards: <u>X</u> Performance Evaluations: <u>X</u> Showcase Facilities: <u>X</u> Number of Showcase Facilities designated in fiscal year: <u>3</u>
14. Establish Water Management Plans (WMPs) and implement at least 4 Best Management Practices (BMPs) in at least 30% of agency facilities (Sec. 207, 503(f))?	X		Number of facilities with WMPs and 4 BMPs: <u>324</u> Number of facilities in agency inventory: <u>797</u>

5 Count projects only once, regardless of phase. For example, if in FY 2006, your agency had 10 new building or major renovation projects, of which 2 can be LEED certified, then report 10 and 2, respectively, in the spaces provided. If the project was designed and reported on in response to this question in a previous year, do not report it as a new project in FY 2006, even if construction commenced or continued in FY 2006.

6 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.

	Base Year (2003)	Previous Year (2005)	Current Year (2006)	% Change (Current vs. Base)
15. Site Energy Efficiency Improvement Goals (EPACT).	113,509.6 Btu/Ft ²	103,371.7 Btu/Ft ²	107,212.7 Btu/Ft ²	-5.5 %
16. Sec. 205. Petroleum-Based Fuel Use in Facilities (E.O. Sec. 205).	33,160.3 BBtu	27,377.5 BBtu	25,546.6 BBtu	-23.0 %
17. Source Energy Use (E.O. Sec. 206).	453,270.1 BBtu	452,234.8 BBtu	443,264.5 BBtu	-2.2 %
18. Water Consumption (E.O. Sec. 207).	162,096.2 MGal	124,293.2 MGal	114,115.9 MGal	-29.6 %
19. Renewable Energy from self-generation and RE purchases (E.O. Sec. 204)	3,266.6 BBtu	8,353.6 BBtu	9,631.3 BBtu	194.8 %

Abbreviation Key: Btu/Ft² = British thermal units per gross square foot

MGal = Million gallons

MMBtu = Million British Thermal Units

BBtu = Billion British Thermal Units

RE = Renewable energy

N/A = Not applicable