

Jefferson Lab
Energy Management Performance Agreement
FY 2003 & FY 2004

The Department of Energy (DOE) Order 430.2A, "Departmental Energy and Utilities Management," issued April 15, 2002, requires that DOE energy management processes include performance agreements developed by DOE field elements with their contractors. This performance agreement for FY 2003 and FY 2004 was developed for the mission at Jefferson Lab using a graded approach.

Jefferson Lab will provide a self-assessment of performance against this agreement in conjunction with the annual Self Assessment of Contract Performance. The DOE Site Office will prepare an annual assessment report based on review of the Laboratories self-assessment and other inputs to provide an overall evaluation of performance. The report for each fiscal year will be completed no later than March 15th of the following year.

The assessment will be based on the following objectives, measures, and expectations:

Objective 1

Energy Management initiatives are managed consistent with a Comprehensive Energy Management Program and Plan (CEMP) that includes the applicable requirements of Department of Energy (DOE) O 430.2A, *Departmental Energy and Utilities Management*.

Measure 1

A Comprehensive Energy Management Program and Plan (CEMP) has been updated to include applicable requirements of DOE O 430.2A.

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|-----------------------------|--|---|
| <u>FY 2003 Expectations</u> | Energy (requirements accomplished)/(requirements scheduled) to be accomplished during the Fiscal Year in accordance with the CEMP. | Far exceed expectations ≥ 0.95 Exceed expectations ≥ 0.85 Meets expectations ≥ 0.75 Needs improvement < 0.75 |
| | Updated CEMP | Far exceed expectations: by February 28, 2003. Exceed expectations: by March 15, 2003. Meets expectations: by March 31, 2003. Needs improvement: after March 31, 2003. |
| <u>FY 2004 Expectations</u> | Energy (requirements accomplished)/(requirements scheduled) to be accomplished during the Fiscal Year in accordance with the CEMP. | Far exceed expectations ≥ 0.95 Exceed expectations ≥ 0.85 Meets expectations ≥ 0.75 Needs improvement < 0.75 |

Objective 2

Energy use reductions are on target toward meeting the DOE, energy efficiency leadership goals consistent with DOE O 430.2A.

Measure 2

$((PY - CY) / PY) \times 100$ = percent reduction where PY = previous year energy use per gross square foot in the Industrial and Laboratory category and CY = current year energy use per gross square foot in the Industrial and Laboratory category as reported in DOE's Energy Management System 4. *The rating shall be adjusted for degree-day variation, mission growth and maintenance activities.*

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|-----------------------------|---|-------------------------|-------------|
| <u>FY 2003 Expectations</u> | Adjusted Energy use per gross square foot is "x" percent less than the previous year. | Far exceed expectations | ≥ 2.5 |
| | | Exceed expectations | ≥ 1.33 |
| | | Meets expectations | ≥ 1.0 |
| | | Needs improvement | < 1.0 |
| <u>FY 2004 Expectations</u> | Adjusted Energy use per gross square foot is "x" percent less than the previous year. | Far exceed expectations | ≥ 3 |
| | | Exceed expectations | ≥ 2 |
| | | Meets expectations | ≥ 1.33 |
| | | Needs improvement | < 1.33 |

Objective 3

Develop and implement water efficiency program and plan.

Measure 3

The number of implemented water efficiency practices.

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|-----------------------------|--|-------------------------|------------|
| <u>FY 2003 Expectations</u> | "x" water efficiency practices will be implemented or sustained this year. | Far exceed expectations | $x \geq 3$ |
| | | Exceed expectations | $x \geq 2$ |
| | | Meets expectations | $x \geq 1$ |
| | | Needs improvement | $x < 1$ |
| <u>FY 2004 Expectations</u> | "x" water efficiency practices will be implemented or sustained this year. | Far exceed expectations | $x \geq 3$ |
| | | Exceed expectations | $x \geq 2$ |
| | | Meets expectations | $x \geq 1$ |
| | | Needs improvement | $x < 1$ |

Objective 4

Lab use of alternatives to Energy Management Program funding

Measure 4

Level of Lab funding used for energy conservation projects

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|-----------------------------|---|-------------------------|--------------------|
| <u>FY 2003 Expectations</u> | The Lab will spend "x" dollars of non-Energy Management Program funding for energy conservation projects this year. | Far exceed expectations | $x \geq \$500,000$ |
| | | Exceed expectations | $x \geq \$400,000$ |
| | | Meets expectations | $x \geq \$300,000$ |
| | | Needs improvement | $x < \$300,000$ |
| <u>FY 2004 Expectations</u> | The Lab will spend "x" dollars of non-Energy Management Program funding for energy conservation projects this year. | Far exceed expectations | $x \geq \$500,000$ |
| | | Exceed expectations | $x \geq \$400,000$ |
| | | Meets expectations | $x \geq \$300,000$ |
| | | Needs improvement | $x < \$300,000$ |

Objective 5

Application of sustainable design principles to new building

Measure 5

Sustainable design principles, including energy efficiency, are applied to all new building designs

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|-----------------------------|--|-------------------------|-------------|
| <u>FY 2003 Expectations</u> | Sustainable design principles have been applied to "x" percent of new buildings $\geq 10,000$ gross square feet as evidenced by the submission to FEMP of Energy Efficiency/Sustainable Design Reports after completing Title II design. | Far exceed expectations | $x \geq 90$ |
| | | Exceed expectations | $x \geq 80$ |
| | | Meets expectations | $x \geq 70$ |
| | | Needs improvement | $x < 70$ |
| <u>FY 2004 Expectations</u> | Sustainable design principles have been applied to "x" percent of new buildings $\geq 10,000$ gross square feet as evidenced by the submission to FEMP of Energy Efficiency/Sustainable Design Reports after completing Title II design. | Far exceed expectations | $x \geq 90$ |
| | | Exceed expectations | $x \geq 80$ |
| | | Meets expectations | $x \geq 70$ |
| | | Needs improvement | $x < 70$ |