Attachment 2

PROPOSED ENERGY MANAGEMENT PERFORMANCE-BASED OBJECTIVES AND MEASURES FOR FY 2007/FY 2008

OVERVIEW

The first five Objectives listed below, with the accompanying Measures and Expectations, correspond to requirements of the National Energy Conservation Policy Act as amended by EPACT 2005 and are required for each site. **If you are unable to develop a measure in one of these areas, please provide a brief justification in your agreement.** The remaining Objectives, Measures, and Expectations listed below should be considered in developing your site-specific agreements.

OBJECTIVE 1 (Required)

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

MEASURE 1

Comprehensive Energy Management Program and Plan (CEMP) has been updated to include minimum requirements of DOE O 430.2A and major facilities contracts contain the Contractor Requirements Document (CRD) of DOE O 430.2A.

FY 2007 EXPECTATION 1

1. Energy requirements accomplished/requirements scheduled to be accomplished during the Fiscal Year in accordance with the CEMP $\geq$ 0.75.

Gradient:

Far exceed expectations	$\geq$ 0.95
Exceed expectations	$\geq$ 0.85
Meets expectations	$\geq$ 0.75
Needs improvement	< 0.75

FY 2008 EXPECTATION 1

1. Energy requirements accomplished/requirements scheduled to be accomplished during the Fiscal Year in accordance with the CEMP $\geq$ 0.75.

Gradient:

Far exceed expectations	$\geq$ 0.95
Exceed expectations	$\geq$ 0.85
Meets expectations	$\geq$ 0.75
Needs improvement	< 0.75

OBJECTIVE 2 (Required)

Energy Use Reductions and Green House Gas reductions show continuous improvement and are on target toward meeting the EPACT reduction target of 2 percent per year (accumulating to a 20 percent reduction in FY 2015 as compared to FY 2003).

MEASURE 2

((PY -CY) / PY) x 100 = percent reduction

where PY = previous year energy use per gross square foot and CY = current year energy use per gross square foot as reported in DOE's Energy Management System 4.

FY 2007 EXPECTATION 2

Energy use per gross square foot is 2 percent less than the previous year. Percentage change is to be negotiated between the DOE and the site. Site specific, cost effective expectations should be established.

Gradient:

Far exceed expectations	$\geq$ 4 percent
Exceed expectations	$\geq$ 3 percent
Meets expectations	$\geq$ 2 percent
Needs improvement	< 2 percent

FY 2008 EXPECTATION 2

Energy use per gross square foot is 2 percent less than the previous year. Percentage change is to be negotiated between the DOE and the site. Site specific, cost effective expectations should be established.

Gradient:

Far exceed expectations	$\geq$ 4 percent
Exceed expectations	$\geq$ 3 percent
Meets expectations	$\geq$ 2 percent
Needs improvement	< 2 percent

OBJECTIVE 3 (Required)

To the extent economically feasible and technically practicable, at least 3 percent of electricity purchases are from renewable energy sources. (This can include Renewable Energy Certificates).

Measure 3: (Green MWH/Green MWH + MWH) x 100 as reported in DOE's Energy Management System 4.

FY 2007 Expectation 3:

Green MWH purchased is equal to or greater than 3 percent of total MWH purchased.

Gradient:

Far exceed expectations	$\geq$ 5 percent
Exceed expectations	$\geq$ 4 percent
Meets expectations	$\geq$ 3 percent
Needs improvement	< 3 percent

FY 2008 Expectation 3:

Green MWH purchased is equal to or greater than 3 percent of total MWH purchased.

Gradient:

Far exceed expectations	$\geq$ 5 percent
Exceed expectations	$\geq$ 4 percent
Meets expectations	$\geq$ 3 percent
Needs improvement	< 3 percent

OBJECTIVE 4 (Required)

New buildings (scheduled for construction beginning in FY 2008) are designed (conceptual design, Title 1, and Title 2) to use 30 percent less energy than the ASHRAE 90.1 2004 standard, if life-cycle cost-effective.

MEASURE 4

Number of new buildings designed to use 30 percent less energy than ASHRAE 90.1 2004/ number of new buildings that are designed (conceptual design, Title 1 and Title 2).

FY 2007 Expectation 4

At least 50 percent of new buildings are designed to use 30 percent less energy than the ASHRAE 90.1 2004 standard.

Gradient:

Far exceeds expectations	= 100 percent
Exceeds expectations	≥ 75 percent
Meets expectations	≥ 50 percent
Needs Improvement	< 50 percent

FY 2008 Expectation 4

At least 75 percent of new buildings are designed to use 30 percent less energy than ASHRAE 90.1 2004.

Gradient:

Far exceeds expectations	= 100 percent
Exceeds expectations	≥ 87 percent
Meets expectations	≥ 75 percent
Needs Improvement	< 75 percent

OBJECTIVE 5 (Required)

Meter Buildings by 2012.

MEASURE 5

Establish a Site Metering Plan that identifies meters to be installed according to the guidelines of the DOE Metering Plan. Number of meters installed/total number of meters identified to be installed.

FY 2007 Expectation 5

Provide a metering plan and install at least 100 percent of the meters identified in the Site plan for 2007.

Gradient:

Far exceed expectations:	≥ 120 percent
Exceeds expectations:	≥ 110 percent
Meets expectations:	≥ 100 percent
Needs Improvement:	< 75 percent

FY 2008 Expectation 5

Provide a metering plan and install at least 100 percent of the meters identified in the plan for FY 2008.

Gradient:

Far exceed expectations:	≥ 120 percent
Exceeds expectations:	≥ 110 percent

Meets expectations: ≥ 100percent
Needs Improvement: < 75 percent

OBJECTIVE 6
Develop and Implement Water Efficiency Program and Plans.

MEASURE 6
Establish a Water Efficiency Program and Plan to implement at least four of the Best Management Practices (BMP) published by FEMP for facility planning processes and operations.

FY 2007 EXPECTATION 6
1. Provide potable water use for each site in the FY 2007 Annual Report to the President/Congress on Energy Management; and
2. Provide a Water Management Plan and demonstrates the implementation of at least four Best Management Practices at 20 percent of the total site facility square footage.

Gradient:
Far exceed expectations: ≥ 50 percent
Exceeds expectations: ≥ 30 percent
Meets expectations: ≥ 20 percent
Needs improvement: < 20 percent

FY 2008 EXPECTATION 6
1. Provide potable water use for each site in the FY 2008 Annual Report to the President/Congress on Energy Management; and
2. Provide a Water Management Plan and demonstrates the implementation of at least four Best Management Practices at 30 percent of the total site facility square footage.

Gradient:
Far exceed expectations: ≥ 60 percent
Exceeds expectations: ≥ 40 percent
Meets expectations: ≥ 30 percent
Needs improvement: < 30 percent

Note: Demonstrating implementation means identifying the operations and maintenance options of the BMP that have been put into practice and identifying retrofit/replacement options that have been installed as a result of audits.

OBJECTIVE 7

Increased use of alternatives to Energy Management Program funding.

MEASURE 7

Number of alternative financed projects under development. Alternatives include but are not limited to Energy Savings Performance Contracts (ESPC), utility contracts, or program office funding. Projects will be developed in accordance with DOE O 430.2A, HQ policies, ESPC rules (if applicable), and DOE legal opinions.

FY 2007 EXPECTATION 7

One ESPC, Utility Energy Savings Contract (UESC) or other financed project under development by the end of FY

Gradient:

Far exceed expectations	3
Exceed expectations	2
Meets expectations	1
Needs improvement	0

FY 2008 EXPECTATION 7

One additional ESPC, Utility Energy Savings Contract (UESC) or other financed project under development by the end of FY

Gradient:

Far exceed expectations	3
Exceed expectations	2
Meets expectations	1
Needs improvement	0

Note: Additional task orders awarded under a master agreement will count as additional alternative financed projects. If ESPC and UESC are not pursued, then energy efficiency projects from non-FEMP or non-Department of Energy, Energy Management Program derived sources are to equal $1,000,000 or greater for a "meets expectation" rating.

OBJECTIVE 8

Retro-commission buildings for improved energy efficiency and to qualify office buildings for receipt of the Energy Star Building label.

MEASURE 8

Number of buildings retro-commissioned and receiving the Energy Star Building Label.

FY 2007 EXPECTATION 8

1. Retro-commissioning of one building performed during the fiscal year; and
2. The Energy Star Building label is obtained during the fiscal year for at least one building.

Gradient:

Far exceed expectation	≥ 3
Exceed expectation	≥ 2
Meets expectation	≥ 1
Needs improvement	< 1

FY 2008 EXPECTATION 8

1. Retro-commissioning of one additional building performed during the fiscal year; and
2. The Energy Star Building label is obtained during the fiscal year for at least one building.

Gradient:

Far exceed expectation	≥ 3
Exceed expectation	≥ 2
Meets expectation	≥ 1
Needs improvement	< 1

Note: Sites may apply for DEMP Retrofit Project Support funds for cost-effective retrofit projects.

OBJECTIVE 9

Purchases of energy efficient products including Energy Star, FEMP designated and low standby power devices.

MEASURE 9

Percentage of products purchased that are available as energy efficient products.

FY 2007 EXPECTATION 9

Products that are available as energy efficient are procured.

Gradient:

Far exceeds expectation	$\geq$ 100 percent
Exceeds expectation	$\geq$ 80 percent
Meets expectation	$\geq$ 75 percent
Needs improvement	$<$ 50 percent

FY 2008 EXPECTATION 9

Products that are available as energy efficient are procured.

Gradient:

Far exceeds expectation	≥ 100 percent
Exceeds expectation	≥ 80 percent
Meets expectation	≥ 75 percent
Needs improvement	< 50 percent

Note: A list of device types and specific products within the type having recommended low standby levels can be found at http://oahu.lbl.gov/. A list of Energy Star and FEMP designated product categories can be found at http://www1.eere.energy.gov/femp/pdfs/eep_productfactsheet.pdf

OBJECTIVE 10

Control electric, steam, gas, and water demand to control costs and mitigate supply disruptions.

MEASURE 10

Peak Load Management/Emergency Conservation Plans are developed/updated as part of the CEMP to minimize the effects of supply disruptions and control costs.

FY 2007 EXPECTATION 10

1. An Assessment of Load and Energy Reduction Techniques (ALERT) assessment and training conducted at the site; and
2. A Site Specific Peak Load Management/Emergency Conservation Plan is updated
3. Develop work plans to implement peak Load Management/ Emergency Conservation Plans and Alert Assessments recommendations by end of FY.
4. Demonstrate that total costs for demand charges and/or actual peak demand is reduced from the previous year at the site; and
5. Work plan items from Alert Assessments/Peak Load Management Plans accomplished/work plan items scheduled to be accomplished > 0.50.

Gradient:

Far exceed expectation	≥ 90 percent
Exceed expectation	≥ 75 percent
Meets expectation	≥ 50 percent
Needs improvement	< 50 percent

FY 2008 EXPECTATION 10

Work plan items from Alert Assessments/Peak Load Management Plans accomplished/work plan items scheduled to be accomplished > 0.75.

Gradient:

Far exceed expectation	= 100 percent
Exceed expectation	≥ 90 percent
Meets expectation	≥ 75 percent
Needs improvement	< 75 percent

OBJECTIVE 11

Application of sustainable design principles to new buildings.

MEASURE 8

Sustainable design principles, including energy efficiency, are applied to all new building designs (i.e., Conceptual Design, Title I, and Title II).

FY 2007 EXPECTATION 11

1. Sustainable design principles are applied to all new building designs as evidenced by the submission to FEMP of Energy Efficiency/Sustainable Design Reports for buildings of 10,000 gross square feet or greater, after completion of Title II Design; and
2. Demonstrate that at least one new building design will be Leadership in Energy and Environmental Design (LEED) certified by having a site register the project with the U.S. Green Buildings Council during the fiscal year and before Title I Design begins.

Gradient:

Far exceed expectations	3 Registered
Exceed expectations	2 Registered
Meets expectations	1 Registered
Needs improvement	0 Registered

FY 2008 EXPECTATION 11

1. Sustainable design principles are applied to all new building designs as evidenced by the submission to FEMP of Energy Efficiency/Sustainable Design Reports for buildings of 10,000 gross square feet or greater, after completion of Title II Design; and
2. Demonstrate that at least one new building design will be Leadership in Energy and Environmental Design (LEED) certified by having a site register the project with the U.S. Green Buildings Council during the fiscal year and before Title I Design begins.

Gradient:

Far exceed expectations	3 Registered
Exceed expectations	2 Registered
Meets expectations	1 Registered
Needs improvement	0 Registered

Note: If no Conceptual Designs or Title I Designs are developed during the performance period, then these performance expectations will receive no rating.

OBJECTIVE 12: DEMP Retrofit Projects and Model Programs are completed in accordance with the schedules provided in the funding letters and DEMP funds are costed in a timely fashion.

MEASURE 12: Status reports are provided in May and November of each year that the project or model program remains incomplete and the reports indicate that the project or model program will be completed in accordance with the planned schedule.

FY 2007 EXPECTATION 12:
Status reports are provided in May and November. Percentage of retrofit projects and model programs that are completed in accordance with the schedule provided in the funding letter:

Gradient

Far exceeds expectations	≥	100 percent
Exceeds expectations	≥	90 percent
Meets expectations	≥	80 percent
Needs Improvement	<	80 percent

FY 2008 EXPECTATION 12:
Status reports are provided in May and November. Percentage of retrofit projects and model programs that are completed in accordance with the schedule provided in the funding letter:

Gradient

Far exceeds expectations	≥	100 percent
Exceeds expectations	≥	90 percent
Meets expectations	≥	80 percent
Needs Improvement	<	80 percent

OBJECTIVE 13: Conduct energy and water audits to identify cost effective retrofit projects that save energy, water, and operations and maintenance expenses.

MEASURE 13: Energy and water audits are conducted on a regular basis and the site maintains a backlog of cost effective energy and water projects to be accomplished in the future.

FY 2007 EXPECTATION 13: Percentage of building square footage that was audited during the fiscal year to identify cost effective energy and water projects:

Gradient

Far exceeds expectations	≥	30 percent
Exceeds expectations	≥	20 percent
Meets expectations	≥	10 percent
Needs Improvement	<	10 percent

FY 2008 EXPECTATION 13:
(A) Number of cost effective energy and water retrofit projects that have been identified and remain on a backlog to be accomplished in the future:

Gradient

Far exceeds expectations	≥	6
Exceeds expectations	≥	3
Meets expectations	≥	2
Needs Improvement	<	2

(B) Percentage of building square footage that was audited during the fiscal year to identify cost effective energy and water projects:

Gradient

Far exceeds expectations	≥	30 percent
Exceeds expectations	≥	20 percent
Meets expectations	≥	10 percent
Needs Improvement	<	10 percent

OBJECTIVE 14 Increase use of off-grid generation systems.

MEASURE 14**:** Number of off-grid generation systems (solar hot water, solar electric, solar outdoor lighting, small wind turbines, fuel cells, and other off-grid alternatives) where such systems are life cycle cost-effective and offer other benefits.

FY 2007 EXPECATION 14: Evaluate applications for the use of off-grid generation and if cost effective, submit at least one off-grid generation system to the Federal Energy Management Program (FEMP) for potential funding.

Gradient:

Far Exceeds Expectation	>3
Exceeds Expectation	>2
Meets Expectation	≥ 1
Needs Improvement	None

FY 2008 EXPECTATION 14: At least one additional cost effective off-grid generation system is submitted to FEMP for potential funding.

Gradient:

Far Exceeds Expectation	>4
Exceeds Expectation	>2
Meets Expectation	≥ 1
Needs Improvement	None

OBJECTIVE 15: Effectively measure and manage the energy consumption for each of the site's major buildings and operations and establish an incentive program for reducing energy consumption in these facilities.

MEASURE 15: Electrical consumption data is available for all major buildings and operations and a program is established to periodically alert users of their energy consumption and ways to reduce this consumption for each of these buildings and operations.

FY 2007 EXPECATION 15: Annual metered electrical data is available for all major buildings and operations of greater than 50,000 gross square feet.

FY 2008 EXPECTATION 15: A recharge program (billing in accordance with actual energy use) for electrical consumption or other method is established to alert users of their energy consumption and means for reducing this consumption, for each of the major buildings or operations of greater than 50,000 gross square feet.

OBJECTIVE 16: Designate exemplary new and existing facilities with significant public access and exposure as showcase facilities in order to highlight the energy or water efficiency and renewable energy improvements at those facilities.

MEASURE 16: Number of new and existing facilities accepted by the Federal Energy Management Program as Showcase facilities. See http://www.eere.energy.gov/femp/docs/showcase_criteria04.rtf for selection criteria, the submission form, and points of contact.

FY 2007 XPECTATION 16: At least one facility is accepted by the Federal Energy Management as a Showcase facility.

FY 2008 EXPECTATION 16: At least one additional facility is accepted by the Federal Energy Management as a Showcase facility.