

DOE TEAM Status Report - OCTOBER 30, 2008

Site Name: EM Site Rollup Summary

TEAM Goal & Objective	Performance Metrics	Rating Scale	Annual Performance Criteria	EM Overall Score	EMCBC	PAD	PORTS	Hanford	SRS	WIPP	
<b>1. Increase energy efficiency</b>  Achieve 30% reduction in energy intensity OR reduce 3% annually by 2015, and installation of advanced electric metering by 2012 (baseline FY2003)	<b>Cumulative</b> building energy intensity reduction (compare current Fiscal Year energy intensity to FY2003 baseline year energy intensity)		<b>Reduce building energy intensity (BTU/GSF) by 30% by the end of FY 2015.</b>	<b>Energy Intensity (Cumulative) BTU/GSF</b>	<b>17%</b>	<b>-20%</b>	<b>-110%</b>	<b>9%</b>	<b>21%</b>	<b>17%</b>	<b>36%</b>
				FY 2003 (B)	757,553	1,124	18,616	82,680	121,286	407,647	126,200
		<b>GREEN</b>	Exceeds Expectations (Cumulative energy intensity reduced by > 30%) OR Meets Expectation (Cumulative energy intensity reduced = 30%)	FY04 - FY06	669,953	1,124	28,712	72,727	96,000	375,057	96,333
		<b>YELLOW</b>	Needs improvement (Cumulative energy intensity reduced < 30%)	FY07	629,040	1,349	39,166	74,829	95,542	337,596	80,558
		<b>RED</b>	Does not meet expectations (No Cumulative energy change or Cumulative energy intensity increase)	FY08	656,094	1,349	38,778	74,829	95,542	337,596	108,000
	<b>Annual</b> building energy intensity reduction (compare current Fiscal Year energy intensity to previous Fiscal Year energy intensity)		<b>Reduce building energy intensity (BTU/GSF) by 3% annually through the end of FY 2015.</b>	<b>Energy Intensity (Annual) BTU/GSF</b>	<b>11%</b>	<b>-21%</b>	<b>19%</b>	<b>-6%</b>	<b>10%</b>	<b>9%</b>	<b>27%</b>
				FY 2005 (B)	646,706	0	23,698	73,470	103,088	358,612	87,838
		<b>GREEN</b>	Exceeds Expectations (Annual energy intensity reduced > 3%) OR Meets Expectation (Annual energy intensity reduced = 3%)	FY06	704,507	4	48,153	70,299	106,037	370,388	109,626
		<b>YELLOW</b>	Needs improvement (Annual energy intensity reduced < 3%)	FY07	627,696	5	39,166	74,829	95,542	337,596	80,558
		<b>RED</b>	Does not meet expectations (No annual energy intensity change or Annual energy intensity increase)	FY08	654,750	5	38,778	74,829	95,542	337,596	108,000
<b>2. Renewable Energy (RE) Generation and Use</b>  50% of renewable energy consumption to come from "new renewable sources" (post 1998) - EO 13423  Use renewable energy 5% by 2010 and 7.5% by 2013 - EPAAct	Annual purchase of renewable energy		<b>Purchase 3% of facility electrical energy from renewable sources, 50% of which is from new renewable sources (placed into service after 1-1-1999).</b>	<b>RE % of Site MWH</b>	<b>35.7%</b>	<b>1.5%</b>	<b>7.9%</b>	<b>9.2%</b>	<b>9.4%</b>	<b>0.0%</b>	<b>7.7%</b>
		<b>GREEN</b>	Exceeds Expectations (> 3% of renewable energy purchased) OR Meets Expectation (= 3% of renewable energy purchased)	FY06	33.7%	1.0%	7.9%	9.5%	6.4%	0%	8.9%
		<b>YELLOW</b>	Needs improvement (< 3% of renewable energy purchased )	FY07	35.7%	1.5%	7.9%	9.2%	9.4%	0%	7.7%
		<b>RED</b>	Does not meet expectations (No renewable energy purchased)	FY08	35.7%	1.5%	7.9%	9.2%	9.4%	0%	7.7%
	Site Evaluation for on-site generation of renewable energy		<b>Site is planning to be evaluated for on-site renewable energy generation.</b>	<b>FY08</b>		<b>na</b>	<b>Plan Completed</b>	<b>Plan Drafted</b>	<b>Plan Completed</b>	<b>Plan Completed</b>	
			<b>Status</b>				<b>Dates</b>				
		<b>GREEN</b>	Exceeds Expectations - Plan in place and options being investigated OR Meets Expectation - Plan identified and drafted	Plan Submitted for approval		na	na	na	na	na	RFI Submitted
		<b>YELLOW</b>	Needs improvement - No plan identified	Plan Drafted		na	na	na	na	na	Mar-08
		<b>RED</b>	Does not meet expectations	Plan Identified		na	na	na	na	na	Mar-08

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3. Petroleum Reduction/Alternative Fuel Use (Fleet)	DOE will require its entire fleet to operate their Alternative Fuel Vehicles (AFVs) exclusively on alternative fuels (Applicable only to those sites with a fleet of more than 20 vehicles)		75% increase in annual Alternative Fuel Vehicle (AFV) acquisition.	No. of AFVs	142%	191%	96%	108%	na	na	155%	
				No. of AFVs (B)	318	13	28	34	238	0	5	
		75% increase in annual AFV acquisition - EPAAct	GREEN	Exceeds Expectations (Annual Purchase of AFVs > 75%) OR Meets Expectation (Annual Purchase of AFVs = 75 %)	FY08	224	149	27	37	TBD	0	11
			YELLOW	Needs improvement (Annual Purchase of AFVs < 75%)	FY09	40	na	27	na	na	na	13
			RED	Does not meet expectations (Annual Purchase of AFVs = 0%)	FY10	6	na	6	na	na	na	na
		Reduce petroleum consumption by 2% annually through 2015 (baseline of 2005) - EO 13423		Reduce petroleum consumption by 2% annually through 2015.	Usage Reduction (mgal)	7%	na	na	45%	na	na	16%
					FY07 (B)	5,592.1	5,245.0	0.040	0.020	1.0	346.0	0.03
			GREEN	Exceeds Expectations (Annual petroleum reduction > 2%) OR Meets Expectation (Annual petroleum reduction = 2%)	FY08	5,219.1	4,873.0	0.042	0.011	TBD	346.0	0.02
			YELLOW	Needs improvement (Annual petroleum reduction < 2%)	FY09	0.04	na	0.042	TBD	TBD	TBD	TBD
			RED	Does not meet expectations (Annual petroleum reduction = 0% or Annual petroleum increase)	FY10	0.04	na	0.042	TBD	TBD	TBD	TBD
		Increase fleet non-petroleum fuel use by 10% annually (baseline of 2005) - EO 13423		Increase fleet non-petroleum fuel use by 10% annually.	(mgal)	7%	7%	na	na	na	20%	na
					FY05 (B)	5245.5	5245.0	0.0	0.0	0.1	0.436	0.0
			GREEN	Exceeds Expectations (Annual petroleum reduction > 10%) OR Meets Expectation (Annual petroleum reduction = 10%)	FY08	4873.4	4873.0	0.0	0.0	TBD	0.350	0.0
			YELLOW	Needs improvement (Annual petroleum reduction < 10%)	FY09	0.00	na	0.00	na	na	na	na
			RED	Does not meet expectations (Annual petroleum reduction = 0% or Annual petroleum increase)	FY10	0.00	na	0.00	na	na	na	na
Purchase plug-in hybrid (PIH) electric vehicles - EO 13423		Purchase plug-in hybrid (PIH) electric vehicles	No. of PIHs vehicles	na	na	na	na	na	na	na	na	
			Baseline # of PIHs	PIH not available through GSA. Goal not measured.								
	GREEN	Exceeds Expectations (Annual Purchase of PIHs > 75%) OR Meets Expectation (Annual Purchase of PIHs = 75 %)	FY08									
	YELLOW	Needs improvement (Annual Purchase of PIHs < 75%)	FY09									
	RED	Does not meet expectations (Annual Purchase of PIHs = 0%)	FY10									
100% use of alternative fuels in AFVs when available and cost-effective - EO 13423		100% use of alternative fuels in AFVs when available and cost-effective	Usage reduction (mgal)	936%	1004%	na	na	na	na	na	0%	
			FY07 (B)	14.4	13.5	0.0	0.0	0.1	0.8	0.0		
	GREEN	Exceeds Expectations (Annual alternative fuel increase > 10%) OR Meets Expectation (Annual alternative fuel increase = 10%)	FY08	149.0	149.0	0.0	0.0	TBD	TBD	0.0		
	YELLOW	Needs improvement (Annual alternative fuel increase < 10%)	FY09	na	na	na	na	na	na	na		
	RED	Does not meet expectations	FY10	na	na	na	na	na	na	na		

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4. Sustainable Building Standards	Establish energy efficient procurement and design standards (exemptions for NC include buildings past stage CD-1 and less than \$5M. Exemptions for EB include less than 1000 sq ft, outgranted beyond 2015, and disposition before 2015)	Implementation of Sustainable Building Standards activity listed below:		EM Assessment Complete	17% of Applicable GSF							
		(1) All new construction (NC) and major renovations to achieve not less than LEED Gold certification (EM had NOT identified any new construction CD 1 or less)		% GSF Assessed	na	13%	66%	16%	16%	13%		
		(2) For existing buildings (EB), 15% of inventory (by area) must comply with HPSB guiding principles		Data uploaded to FIMS	100%	100%	100%	100%	100%	100%		
		(3) Installation of advanced electric metering systems at all department sites in accordance with the DOE metering plan for site monitoring of electric energy		Average HPSB GP Score*	na	19%	48%	75%	31%	45%		
		* Note: The score shown is the average Guiding Principle (GP) score for each site's applicable facility. The GP score is the % of GPs that the facility could potentially meet. Currently only Richland and ORP's score meet LEED certification levels (to be verified). EM is conducting internal audit of sites self assessment scores using SBAT tool. EM Program has submitted its DRAFT Executable Plan to included sustainability assessment results. EM will have to invest \$250M RPV in estimated funding to implement sustainability to meet HPSB Guiding Principles.										
5. Improve Water Conservation - Monitor, baseline, and implement Department wide plan by FY 2008 to reduce water consumption in excess of 16% by 2016 or reduce water intensity by 2% annually through 2016	Cumulative site water reduction (compare current Fiscal Year water consumption to FY2007 baseline year water consumption)	Reduce water consumption by 16% by the end of FY2016.		Cumulative Reduction	1%	na	2%	0%	na	na	0%	
		FY07 (B)		24.81	0	12.00	9.31	45.3	326	3.5		
		FY08		24.54	0	11.76	9.28	TBD	TBD	3.5		
		FY09		0	0	na	na	na	na	na		
		FY10		0	na	na	na	na	na	na		
	Annual site water reduction (compare current Fiscal Year water consumption to previous Fiscal Year water consumption)	Reduce water consumption by 2% annually.		FY08 Usage reduction (mgal)	1%	na	2%	0%	na	na	0%	
		FY07 (B)		24.81	0	12.00	9.31	45.3	326.0	3.5		
		FY08		24.54	0	11.76	9.28	TBD	TBD	3.5		
		FY09		24.54	0	na	na	na	na	na		
		FY10		24.54	na	na	na	na	na	na		
6. Incorporate Sustainable Environmental Practices in Acquisitions	Site progress on incorporating green acquisition objectives and measurable targets in Site EMS	Incorporate Green Acquisition objectives and measurable targets into the Site EMS (dependent upon status of DOE agency plans).		Status (Y/N)								
		FY08 Status										
		GREEN Exceeds OR Meets expectations (EMS being revised to incorporate objectives and targets with completion date of 12-31-08)			Y	Y	Y	N	Y	Y		
		YELLOW Needs Improvement (EMS not being revised to incorporate objectives and targets)			na	N	na	N	N	na		
		RED Does not meet expectations			na	N	na	N	N	na		
7. Reduce Toxic and Hazardous Material Use, Divert Solid Waste to Recovery, Increase Recycling	Site progress on aligning its Environmental Management System (EMS) with the requirements of EO 13423	Revise EMS to align with requirements of EO 13423; completion date is 12-31-2008 (dependent upon status of DOE agency plans).		Status (Y/N)								
		FY08 Status										
		GREEN Exceeds OR Meets expectations (EMS being revised with completion date of 12-31-08)			Y	Y	Y	N	Y	Y		
		YELLOW Needs Improvement (EMS not being revised)			na	N	na	N	N	na		
		RED Does not meet expectations			na	N	na	N	N	na		
8. Reduce the Environmental and Energy Impact of its Electronic Equipment Purchase (≥95% EPEAT Electronics), Use, and Disposal	Site progress on incorporating electronics stewardship activities required by EO 13423 as objectives and measurable targets in Site EMS	Incorporate the Electronics Stewardship objectives and measurable targets into the Site EMS (dependent upon status of DOE Agency plans).		Status (Y/N)								
		FY08 Status										
		GREEN Exceeds OR Meets expectations (EMS being revised to incorporate objectives and targets with completion date of 12-31-08)			Y	Y	Y	N	Y	Y		
		YELLOW Needs Improvement (EMS not being revised to incorporate objectives and targets)			na	N	na	N	N	na		
		RED Does not meet expectations			na	N	na	N	N	na		

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