

CONTRACT PERFORMANCE REPORT																	
FORMAT-1 Work Breakdown Structure - Dollars in Thousand																	
1. Contractor				2. Contract				3. Program				4. REPORT PERIOD: 31 October 2010					
a. NAME Princeton University - Plasma Physics Laboratory				a. NAME Princeton University - Plasma Physics Laboratory				a. NAME: DOE-SC-OFES - NSTX Upgrade				a. FROM (YYYYMMDD): 20090101					
b. LOCATION (Address and ZIP Code): Princeton University, James Forrestal Campus US Route #1 North, Princeton New Jersey 08543				b. NUMBER: DE-AC02-09CH11466				b. PHASE: Execution Phase Post CD-1 (CD-1 Approved April 15, 2010)				b. TO (YYYYMMDD): 20101031					
				c. TYPE M&Q		d. SHARE RATIO		e. EVMS ACCEPTANCE									
5. CONTRACT DATA																	
a. Quantity		b. NEGOTIATED COST		c. EST COST AUTHORIZED UNPRICED WORK		d. TARGET/PROFIT/FEE		e. TARGET PRICE		f. ESTIMATED PRICE		g. CONTRACT CEILING		h. EST. CONTRACT CEILING		i. DATE OF OTB/OTS (YYYYMMDD)	
								7. AUTHORIZED CONTRACTOR REPRESENTATIVE:									
				MANAGEMENT EST AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, MI): Strykowski, Ronald, L				b. TITLE: Project Manager			
a. BEST CASE								c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)					
b. WORST CASE																	
c. MOST LIKELY																	
8. PERFORMANCE DATA																	
ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION			
	WORK SCHEDULED (2)	WORK PERFORMED (3)	ACTUAL COST WORK PERFORMED (4)	VARIANCE		WORK SCHEDULED (7)	WORK PERFORMED (8)	ACTUAL COST WORK PERFORMED (9)	VARIANCE		Cost Variance (12)	Schedule Variance (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)	
a. WORK BREAKDOWN STRUCTURE ELEMENT																	
1.1 Torus Systems	299.4	356.5	139.1	57.1	217.4	5096.4	5205.0	4917.9	108.6	287.1				18114.9	18114.9		
1.2 Plasma Heating and Current Drive Systems	68.8	85.9	54.9	17.1	31.0	3649.2	3655.9	3640.2	6.7	15.8				24675.2	24675.2		
1.3 Auxiliary Systems	11.6	0.0	0.0	-11.6	0.0	29.6	18.3	18.3	-11.3	0.0				376.4	376.4		
1.4 Plasma Diagnostics	31.3	81.2	30.4	49.9	50.7	283.2	304.9	247.6	21.7	57.3				1850.7	1850.7		
1.5 Power Systems	34.4	36.0	23.4	1.6	12.6	1444.1	1435.0	1430.9	-9.1	4.1				9410.1	9410.1		
1.6 Central Instrumentation & Control	0.6	0.7	1.1	0.1	-0.4	41.2	41.7	41.7	0.5	0.0				918.2	918.2		
1.7 Project Support & Integration	181.6	182.2	98.8	0.6	83.4	3563.9	3564.5	3481.1	0.6	83.4				14371.4	14371.4		
1.8 Site Preparation and Torus Assembly	3.9	3.5	0.0	-0.4	3.5	42.8	46.8	38.7	4.0	8.1				7647.5	7647.5		
TOTAL (PERFORMANCE MEASUREMENT BASELINE)	631.6	746.0	347.8	114.4	398.2	14150.4	14272.2	13816.3	121.8	455.8				77364.4	77364.4		

CONTRACT PERFORMANCE REPORT FORMAT-2 ORGANIZATIONAL CATEGORIES - Dollars in Thousand																
1. Contractor				2. Contract				3. Program				4. REPORT PERIOD: 31 October 2010				
a. NAME Princeton University - Plasma Physics Laboratory				a. NAME Princeton University - Plasma Physics Laboratory				a. NAME: DOE-SC-OFES - NSTX Upgrade				a. FROM (YYYYMMDD): 20090101				
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				c. TYPE M&Q		d. SHARE RATIO		e. EVMS ACCEPTANCE								
5. PERFORMANCE DATA																
ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		Cost Variance (12)	Schedule Variance (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
a. ORGANIZATIONAL CATEGORY																
Center-Stack	384.9	425.5	193.9	40.6	231.6	7029.4	7114.6	6818.9	85.2	295.8				38926.7	38926.7	
Neutral Beam	143.4	217.6	102.3	74.2	115.4	4444.0	4481.4	4372.6	37.4	108.9				29562.7	29562.7	
Project Management	103.3	102.9	51.6	-0.5	51.2	2677.0	2676.1	2624.9	-0.9	51.2				8875.0	8875.0	
TOTAL (PERFORMANCE MEASUREMENT BASELINE)	631.6	746.0	347.8	114.4	398.2	14150.4	14272.2	13816.3	121.8	455.8				77364.4	77364.4	

**Princeton Plasma Physics Laboratory
NSTX Upgrade Project (October 2010)
Cost Performance Report (\$K)
By OBS**

	Cumulative							Current Month							BAC	EAC	BAC-EAC
	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	BCWS	BCWP	ACWP	SPI	CPI	SV	CV			
Center Stack																	
BLANCHARD	3	3	3	1.09	1.00	0.2	(0.0)	-	-	-	-	-	-	-	102	102	0
CHRZANOWSKI	2,624	2,648	2,546	1.01	1.04	24.2	101.6	119	133	61	1.11	2.16	13.6	71.2	11,531	11,531	0
DENAULT	27	16	16	0.58	1.00	(11.5)	(0.0)	12	-	-	-	-	(11.6)	-	195	195	0
DUDEK	249	249	246	1.00	1.01	(0.3)	3.2	28	27	24	0.98	1.14	(0.6)	3.2	1,540	1,540	0
KAITA	92	92	99	1.00	0.93	(0.2)	(7.0)	-	-	7	-	-	-	(6.6)	836	836	0
KOZUB	121	171	90	1.41	1.90	50.0	80.8	41	94	11	2.27	8.85	52.3	83.0	353	353	0
PERRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,173	1,173	0
RAKI	1,237	1,236	1,235	1.00	1.00	(1.2)	0.8	13	8	13	0.63	0.62	(4.6)	(4.8)	8,336	8,336	0
SICHTA	41	42	42	1.01	1.00	0.5	0.0	1	1	1	1.18	0.63	0.1	(0.4)	918	918	0
SMITH	1,873	1,885	1,859	1.01	1.01	12.0	25.4	68	95	48	1.38	1.99	26.2	46.9	4,554	4,554	0
TITUS	311	320	270	1.03	1.19	9.2	50.1	44	25	8	0.57	2.96	(19.1)	16.7	729	729	0
TRESEMER	409	407	375	1.00	1.09	(1.7)	32.7	56	41	22	0.73	1.87	(15.3)	18.9	2,186	2,186	0
VIOLA	43	47	39	1.09	1.21	4.0	8.1	4	4	-	0.90	-	(0.4)	3.5	6,474	6,474	0
	7,029	7,115	6,819	1.01	1.04	85.2	295.8	385	426	194	1.11	2.19	40.6	231.6	38,927	38,927	0
Neutral Beam																	
CROPPER	14	24	10	1.67	2.41	9.5	13.8	6	11	1	1.85	8.38	5.2	9.9	3,183	3,183	0
DENAULT	375	370	358	0.98	1.03	(5.6)	11.4	28	24	8	0.89	2.98	(3.1)	16.2	8,955	8,955	0
LABIK	191	213	149	1.11	1.43	21.9	64.3	31	81	24	2.59	3.41	49.9	57.4	1,015	1,015	0
PERRY	278	278	278	1.00	1.00	(0.1)	(0.0)	-	-	-	-	-	-	-	3,618	3,618	0
PRINISKI	675	684	696	1.01	0.98	9.1	(11.4)	8	29	27	3.59	1.05	20.7	1.4	3,444	3,444	0
RAKI	215	216	214	1.00	1.01	1.1	2.5	2	2	-	0.98	-	(0.0)	1.7	3,335	3,335	0
STEVENSON	2,695	2,696	2,668	1.00	1.01	1.6	28.2	69	70	42	1.02	1.69	1.7	28.8	6,014	6,014	0
	4,444	4,481	4,373	1.01	1.02	37.4	108.9	143	218	102	1.52	2.13	74.2	115.4	29,563	29,563	0
Management																	
GENTILE	4	4	4	0.96	1.00	(0.1)	(0.0)	0	-	-	-	-	(0.1)	-	78	78	0
STRYKOWSKY	2,673	2,672	2,621	1.00	1.02	(0.7)	51.2	103	103	52	1.00	1.99	(0.4)	51.2	8,797	8,797	0
	2,677	2,676	2,625	1.00	1.02	(0.9)	51.2	103	103	52	1.00	1.99	(0.5)	51.2	8,875	8,875	0
TOTAL	14,150	14,272	13,816	1.01	1.03	121.8	455.8	632	746	348	1.18	2.15	114.4	398.2	77,364	77,364	0