

CONTRACT PERFORMANCE REPORT													FORM APPROVED						
FORMAT 1 - WORK BREAKDOWN STRUCTURE													OMB No. 0704-0188						
CLASSIFICATION (When Filled In)													DOLLARS IN Thousands of \$						
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD							
a. NAME Princeton University-Plasma Physics Lab				a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2011 / 05 / 01							
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011 / 05 / 31							
				c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)							
5. CONTRACT DATA																			
a. QUANTITY		b. NEGOTIA	c. ESTIMATED COST OF		d. TARGET PROFIT/	e. TARGET	f. ESTIMATED		g. CONTRACT	h. ESTIMATED CONTRACT		i. DATE OF OTB/OTS							
1		77,317	THORIZED UNPRICED WO		0	77,317	PRICE		0	CEILING		0							
6. ESTIMATED COST AT COMPLETION				7. AUTHORIZED CONTRACTOR REPRESENTATIVE															
		MANAGEMENT ESTIMATE		CONTRACT BUDGET		VARIANCE		a. NAME (Last, First, Middle Initial)			b. TITLE								
		AT COMPLETION		BASE				Ronald Strykowski			Project Manager								
		(1)		(2)		(3)		c. SIGNATURE			d. DATE SIGNED								
a. BEST CASE		0									(YYYYMMDD)								
b. WORST CASE		0																	
c. MOST LIKELY		0		77,317		77,317													
8. PERFORMANCE DATA																			
WBS[2]		CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAMMING			AT COMPLETION						
		BUDGETED COST		ACTUAL		BUDGETED COST		ACTUAL		ADJUSTMENTS									
		WORK	WORK	COST	VARIANCE	WORK	WORK	COST	VARIANCE		COST	SCHEDULE	BUDGET	BUDGETED	ESTIMATED	VARIANCE			
ITEM	(1)	SCHEDULED	PERFORMED	PERFORMED	SCHEDULE	COST	SCHEDULED	PERFORMED	PERFORMED	SCHEDULE	COST	VARIANCE	VARIANCE	(12a)	(12b)	(13)	(14)	(15)	(16)
1.1 Torus Systems		313	187	349	-127	-163	7,417	6,986	6,691	-432	294	0	0	0	0	0	18,268	17,975	293
1.2 Plasma Heating and Current Drive Systems		134	131	100	-3	31	4,471	4,298	4,083	-173	215	0	0	0	0	0	24,591	24,344	247
1.3 Auxiliary Systems		27	51	2	24	49	107	79	25	-28	55	0	0	0	0	0	377	321	56
1.4 Plasma Diagnostics		97	65	46	-32	19	612	541	622	-70	-81	0	0	0	0	0	1,785	1,871	-86
1.5 Power Systems		57	66	80	9	-14	2,128	2,035	1,843	-94	192	0	0	0	0	0	9,360	9,171	190
1.6 Central Instrumentation & Control		14	3	14	-11	-11	158	91	91	-66	0	0	0	0	0	0	918	918	0
1.7 Project Support & Integration		173	173	176	0	-4	4,856	4,856	4,440	0	416	0	0	0	0	0	14,371	13,955	416
1.8 Site Preparation and Torus Assembly		4	10	11	7	-1	70	86	74	16	12	0	0	0	0	0	7,648	7,636	12
b. Cost of Money		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																	0	0	0
e. Sub Total		820	686	779	-134	-93	19,819	18,972	17,869	-847	1,103	0	0	0	0	0	77,317	76,190	1,128
f. Management Resrv.																	0		
g. Total		820	686	779	-134	-93	19,819	18,972	17,869	-847	1,103	0	0	0	0	0	77,317		
9. Reconciliation to CBB																			
a. Variance Adjustment											0								
b. Total Contract Variance											-847	1,103					77,317	76,190	1,128

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES												DOLLARS IN Thousands of \$			FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME Princeton University-Plasma Physics Lab			a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2011/05/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011/05/31					
c. TYPE M&O			d. SHARE RATIO				c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)									
5. PERFORMANCE DATA																
OBS[2] ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
CS Center Stack	531	400	545	-131	-145	10,908	10,234	9,795	-674	439	0	0	0	39,894	39,463	432
NB Neutral Beam	187	183	126	-3	57	5,540	5,367	4,830	-173	537	0	0	0	28,548	27,980	569
PM Project Management	102	102	108	0	-6	3,371	3,371	3,244	0	127	0	0	0	8,875	8,747	127
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget														0	0	0
e. Sub Total	820	686	779	-134	-93	19,819	18,972	17,869	-847	1,103	0	0	0	77,317	76,190	1,128
f. Management Resrv.														0		
g. Total	820	686	779	-134	-93	19,819	18,972	17,869	-847	1,103	0	0	0	77,317		

CLASSIFICATION (When Filled In)																		
CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES										DOLLARS IN Thousands of \$			FORM APPROVED OMB No. 0704-0188					
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD							
a. NAME Princeton University-Plasma Physics Lab			a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2011/05/01							
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011/05/31							
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)											
5. PERFORMANCE DATA																		
OBS[3]	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION			
	BUDGETED COST		ACTUAL COST	VARIANCE			BUDGETED COST		ACTUAL COST	VARIANCE			COST VARIANCE	SCHEDULE VARIANCE	BUDGET	BUDGETED	ESTIMATED	VARIANCE
	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST								
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)		
1000 CSU Analytical Support (Titus)	14	15	7	1	9	182	146	117	-35	29	0	0	0	385	358	27		
1001 CS Plasma Facing Components (Tresemer)	56	93	60	37	33	723	699	597	-24	102	0	0	0	2,169	2,068	102		
1002 Passive Plate Analysis & Upgrade (Titus)	0	4	11	4	-7	251	242	224	-9	18	0	0	0	251	234	17		
1200 Structures & Supports (Smith)	75	28	96	-48	-69	2,225	2,129	2,189	-96	-59	0	0	0	3,554	3,613	-59		
1300 Center Stack (Chrzanowski)	19	19	12	0	7	335	335	276	0	59	0	0	0	1,063	1,005	59		
1301 Outer TF Coils (Chrzanowski)	0	0	0	0	0	20	20	20	0	0	0	0	0	338	338	0		
1302 Center Stack Assembly (Chrzanowski)	0	0	0	0	0	0	0	10	0	-10	0	0	0	990	1,000	-10		
1303 TF Joint Test Stand & Test (Kozub)	0	4	42	4	-38	353	348	187	-5	161	0	0	0	353	192	161		
1304 Inner TF Bundle (Chrzanowski)	112	0	49	-112	-49	913	781	536	-132	245	0	0	0	2,595	2,350	245		
1305 Ohmic Heating Coil (Chrzanowski)	37	7	38	-30	-30	1,632	1,535	1,664	-97	-129	0	0	0	4,556	4,684	-128		
1306 Inner PF Coils (Chrzanowski)	0	5	13	5	-8	175	157	196	-18	-39	0	0	0	669	707	-39		
1307 CS Casing Assembly (Chrzanowski)	0	11	23	11	-12	167	151	232	-16	-81	0	0	0	904	985	-81		
1310 CSU Magnets Systems (Chrzanowski)	0	0	0	0	0	442	442	442	0	0	0	0	0	442	442	0		
3200 Water Cooling System Mods (Denault)	17	15	1	-2	14	61	40	20	-21	21	0	0	0	195	175	21		
3300 Bakeout System Mods CSU (Raki)	1	4	0	4	4	5	4	0	0	4	0	0	0	79	75	4		
3400 Gas Delivery System Mods (Blanchard)	9	32	1	23	30	41	35	5	-6	30	0	0	0	102	72	31		
4100 Center Stack Diagnostics (Kaita)	31	23	10	-8	13	163	151	130	-12	21	0	0	0	836	813	22		
4500 MPTS VV Modification (Labik)	65	42	36	-24	6	448	390	493	-58	-102	0	0	0	949	1,058	-108		
5000 CSU Power Systems (Raki)	17	46	47	28	-2	1,343	1,331	1,260	-12	71	0	0	0	5,735	5,670	65		
5200 DCPS (Hatcher)	18	19	33	1	-13	406	331	278	-75	54	0	0	0	2,493	2,437	56		
5501 Coil Bus Runs (Smith)	22	1	0	-21	1	379	373	305	-6	68	0	0	0	1,131	1,063	68		
6100 Control Sys Data Acquisition (Sichta)	14	3	14	-11	-11	158	91	91	-66	0	0	0	0	918	918	0		
7200 Center Stack Management (Dudek)	19	19	43	0	-24	416	416	449	0	-33	0	0	0	1,539	1,572	-33		
8200 CS & Coil Sprt Structure Install (Viola)	4	10	11	7	-1	70	86	74	16	12	0	0	0	6,474	6,462	12		
8250 Remove/Install Centerstack (Perry)	0	0	0	0	0	0	0	0	0	0	0	0	0	1,174	1,174	0		
2300 ECH Analysis (Titus)	10	10	0	-1	10	81	68	29	-13	39	0	0	0	84	45	39		
2420 2nd NBI Sources (Cropper)	1	0	0	-1	0	1	0	0	-1	0	0	0	0	1,094	1,094	0		
2425 BL Relocation (Denault)	5	8	1	3	7	96	75	50	-21	26	0	0	0	1,860	1,834	26		
2430 2nd NBI Decontamination (Stevenson)	0	0	0	0	0	2,057	2,057	2,070	0	-13	0	0	0	2,057	2,070	-13		
2440 2nd NBI Beamline (Denault)	39	25	27	-14	-2	270	234	141	-37	92	0	0	0	2,590	2,502	88		
2450 2nd NBI Services (Denault)	1	11	17	9	-7	338	317	326	-22	-10	0	0	0	4,516	4,525	-9		
2460 2nd NBI Armor (Tresemer)	25	19	14	-6	5	364	364	357	0	7	0	0	0	700	691	9		
2470 2nd NBI Power (Raki)	5	5	10	0	-5	242	242	248	0	-6	0	0	0	3,335	3,341	-6		
2475 2nd NBI Controls (Cropper)	26	26	5	0	21	240	116	55	-124	61	0	0	0	2,089	2,027	62		
2480 2nd NBI/TVPS Duct (Denault)	13	13	10	0	4	430	409	423	-21	-14	0	0	0	2,260	2,261	-1		
2485 Vacuum Pumping System (Blanchard)	7	7	15	-1	-9	71	65	106	-6	-41	0	0	0	388	428	-41		
2490 NTC Equipment Relocations (Perry)	0	7	0	7	7	278	351	278	73	73	0	0	0	3,618	3,526	92		
7300 NB2 Management (Stevenson)	9	9	13	0	-4	352	352	291	0	61	0	0	0	1,450	1,389	61		
7400 Health Physics Support (Stevenson)	43	43	12	0	30	717	717	457	0	260	0	0	0	2,507	2,247	260		
7100 Project Management & Integration (Strykowski)	70	70	76	0	-5	1,955	1,955	1,895	0	59	0	0	0	5,812	5,753	59		
7710 NSTX-U HP and Other Allocations (Strykowski)	32	32	32	0	0	1,411	1,411	1,344	0	67	0	0	0	2,985	2,918	67		
7900 Integrated System (Gentile)	0	0	0	0	0	5	5	4	0	1	0	0	0	78	77	1		
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
d. Undist. Budget																		
e. Sub Total	820	686	779	-134	-93	19,819	18,972	17,869	-847	1,103	0	0	0	77,317	76,190	1,128		
f. Management Resrv.														0				
g. Total	820	686	779	-134	-93	19,819	18,972	17,869	-847	1,103	0	0	0	77,317				

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME Princeton University-Plasma Physics Lab			a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2011/05/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011/05/31					
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input checked="" type="checkbox"/> YES (YYYYMMDD)									
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 77,317			b. NEGOTIATED CONTRACT CHANGES 0		c. CURRENT NEGOTIATED COST (a. + b.) 77,317			d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		e. CONTRACT BUDGET BASE (c. + d.) 77,317		f. TOTAL ALLOCATED BUDGET 77,317		g. DIFFERENCE (e. - f.) 0		
h. CONTRACT START DATE 2009 / 02 / 23			i. CONTRACT DEFINITIZATION DATE		j. PLANNED COMPLETION DATE 2020 / 12 / 31				k. CONTRACT COMPLETION DATE		l. ESTIMATED COMPLETION DATE 2020 / 12 / 31					
6. PERFORMANCE DATA																
ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDIS-TRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			SIX MONTH FORECAST						ENTER SPECIFIED PERIODS							
			+1 30JUN2011 (4)	+2 31JUL2011 (5)	+3 31AUG2011 (6)	+4 30SEP2011 (7)	+5 31OCT2011 (8)	+6 30NOV2011 (9)	31DEC2011 (10)	31JAN2012 (11)	29FEB2012 (12)	31MAR2012 (13)	30APR2012 (14)			
PM Baseline (Beginning of Period)	18,999	820	758	539	589	413	839	786	893	938	969	688	1,015	0	77,317	
PM Baseline (End of Period)	19,819		758	539	589	413	839	786	893	938	969	688	1,015	0	77,317	
Management Reserve															0	
Total															77,317	

