

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											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 / 04 / 01						
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011 / 04 / 30						
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)										
5. CONTRACT DATA																	
a. QUANTITY		b. NEGOTIA COST	c. ESTIMATED COST OF HORIZED UNPRICED WO		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE		g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING			i. DATE OF OTB/OTS (YYYYMMDD)				
1		77,317	0		0	77,317	0		0	0							
6. ESTIMATED COST AT COMPLETION																	
		MANAGEMENT ESTIMATE AT COMPLETION		CONTRACT BUDGET BASE		VARIANCE		a. NAME (Last, First, Middle Initial)				b. TITLE					
		(1)		(2)		(3)		Ronald Strykowski				Project Manager					
a. BEST CASE		0						c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)					
b. WORST CASE		0															
c. MOST LIKELY		0		77,317		77,317											
8. PERFORMANCE DATA																	
WBS[2]		CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
		BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
ITEM (1)	SCHEDULED (2)	PERFORMED (3)	PERFORMED (4)	SCHEDULE (5)	COST (6)	SCHEDULED (7)	PERFORMED (8)	PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)	
1.1 Torus Systems	304	241	270	-63	-28	7,104	6,799	6,342	-305	457	0	0	0	18,268	18,050	218	
1.2 Plasma Heating and Current Drive Systems	163	22	80	-141	-58	4,336	4,167	3,983	-170	184	0	0	0	24,591	24,412	179	
1.3 Auxiliary Systems	23	0	0	-23	0	80	28	23	-52	6	0	0	0	377	375	2	
1.4 Plasma Diagnostics	19	12	62	-7	-50	515	476	576	-39	-100	0	0	0	1,785	1,901	-116	
1.5 Power Systems	111	168	56	57	113	2,071	1,968	1,762	-103	206	0	0	0	9,360	9,327	34	
1.6 Central Instrumentation & Control	6	9	13	4	-4	143	88	78	-55	11	0	0	0	918	916	2	
1.7 Project Support & Integration	173	173	164	0	8	4,684	4,684	4,264	0	420	0	0	0	14,371	14,141	230	
1.8 Site Preparation and Torus Assembly	4	5	14	2	-8	66	76	63	10	13	0	0	0	7,648	7,636	11	
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	802	631	659	-171	-28	18,999	18,287	17,090	-713	1,197	0	0	0	77,317	76,757	560	
f. Management Resrv.														0			
g. Total	802	631	659	-171	-28	18,999	18,287	17,090	-713	1,197	0	0	0	77,317			
9. Reconciliation to CBB																	
a. Variance Adjustment										0							
b. Total Contract Variance									-713	1,197				77,317	76,757	560	

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) 2011/04/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011/04/30					
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 WORK (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK (9)	VARIANCE		COST VARIANCE (12a)	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)						
CS Center Stack	485	454	449	-30	5	10,376	9,834	9,250	-543	584	0	0	0	39,894	39,772	123
NB Neutral Beam	215	74	100	-141	-25	5,354	5,184	4,705	-170	479	0	0	0	28,548	28,132	417
PM Project Management	102	102	110	0	-8	3,269	3,269	3,136	0	133	0	0	0	8,875	8,854	21
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	802	631	659	-171	-28	18,999	18,287	17,090	-713	1,197	0	0	0	77,317	76,757	560
f. Management Resrv.														0		
g. Total	802	631	659	-171	-28	18,999	18,287	17,090	-713	1,197	0	0	0	77,317		

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											CLASSIFICATION (When Filled In)			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)							
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				2011/04/01							
				c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)							
												2011/04/30							
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 (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)									
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)			
1000 CSU Analytical Support (Titus)	5	2	12	-3	-10	168	131	111	-37	20	0	0	0	385	369	15			
1001 CS Plasma Facing Components (Tresemer)	51	69	25	19	44	667	606	537	-61	69	0	0	0	2,169	2,178	-8			
1002 Passive Plate Analysis & Upgrade (Titus)	0	3	8	3	-5	251	238	214	-13	24	0	0	0	251	230	21			
1200 Structures & Supports (Smith)	54	45	104	-9	-59	2,150	2,102	2,092	-48	10	0	0	0	3,554	3,590	-36			
1300 Center Stack (Chrzanowski)	24	24	25	0	-1	315	315	264	0	51	0	0	0	1,063	1,038	25			
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)	33	0	18	-33	-18	353	344	146	-9	198	0	0	0	353	155	198			
1304 Inner TF Bundle (Chrzanowski)	78	75	14	-3	61	801	781	487	-19	294	0	0	0	2,595	2,375	220			
1305 Ohmic Heating Coil (Chrzanowski)	52	12	26	-41	-14	1,595	1,527	1,626	-67	-99	0	0	0	4,556	4,648	-92			
1306 Inner PF Coils (Chrzanowski)	0	-4	22	-4	-26	175	152	183	-23	-31	0	0	0	669	695	-27			
1307 CS Casing Assembly (Chrzanowski)	6	15	16	9	-2	167	140	209	-28	-70	0	0	0	904	992	-88			
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)	5	0	0	-5	0	44	26	19	-19	7	0	0	0	195	189	7			
3300 Bakeout System Mods CSU (Raki)	2	0	0	-2	0	4	0	0	-4	0	0	0	0	79	80	-1			
3400 Gas Delivery System Mods (Blanchard)	17	0	0	-17	0	32	3	3	-29	-1	0	0	0	102	106	-4			
4100 Center Stack Diagnostics (Kaita)	0	0	-41	0	41	132	128	120	-4	8	0	0	0	836	827	8			
4500 MPTS VV Modification (Labik)	19	12	102	-7	-91	383	348	457	-35	-108	0	0	0	949	1,073	-124			
5000 CSU Power Systems (Raki)	21	22	28	1	-6	1,326	1,285	1,213	-41	73	0	0	0	5,735	5,694	42			
5200 DCPS (Hatcher)	40	41	28	2	13	388	312	245	-76	67	0	0	0	2,493	2,463	30			
5501 Coil Bus Runs (Smith)	51	105	0	54	105	357	372	305	14	67	0	0	0	1,131	1,169	-38			
6100 Control Sys Data Acquisition (Sichta)	6	9	13	4	-4	143	88	78	-55	11	0	0	0	918	916	2			
7200 Center Stack Management (Dudek)	19	19	35	0	-17	397	397	406	0	-9	0	0	0	1,539	1,568	-29			
8200 CS & Coil Sprt Structure Install (Viola)	4	5	14	2	-8	66	76	63	10	13	0	0	0	6,474	6,463	11			
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	2	0	-8	2	71	58	29	-13	29	0	0	0	84	57	27			
2420 2nd NBI Sources (Cropper)	0	0	0	0	0	0	0	0	0	0	0	0	0	1,094	1,094	0			
2425 BL Relocation (Denault)	4	3	1	-2	1	91	67	49	-24	18	0	0	0	1,860	1,844	16			
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	30	21	-9	9	231	208	114	-23	94	0	0	0	2,590	2,532	58			
2450 2nd NBI Services (Denault)	34	3	8	-31	-5	337	306	309	-31	-3	0	0	0	4,516	4,523	-6			
2460 2nd NBI Armor (Tresemer)	27	39	15	12	24	339	345	342	6	2	0	0	0	700	735	-35			
2470 2nd NBI Power (Raki)	5	5	11	0	-6	237	237	237	-1	-1	0	0	0	3,335	3,341	-6			
2475 2nd NBI Controls (Cropper)	35	-67	1	-103	-68	214	90	50	-124	40	0	0	0	2,089	1,980	109			
2480 2nd NBI/TVPS Duct (Denault)	8	5	4	-2	1	417	396	414	-22	-18	0	0	0	2,260	2,286	-26			
2485 Vacuum Pumping System (Blanchard)	1	2	19	1	-17	64	59	91	-5	-32	0	0	0	388	422	-34			
2490 NTC Equipment Relocations (Perry)	0	0	0	0	0	278	345	278	66	66	0	0	0	3,618	3,529	89			
7300 NB2 Management (Stevenson)	9	9	10	0	-1	343	343	277	0	65	0	0	0	1,450	1,395	55			
7400 Health Physics Support (Stevenson)	43	43	9	0	33	675	675	445	0	230	0	0	0	2,507	2,324	183			
7100 Project Management & Integration (Strykowski)	70	70	87	0	-17	1,885	1,885	1,820	0	65	0	0	0	5,812	5,825	-13			
7710 NSTX-U HP and Other Allocations (Strykowski)	32	32	23	0	9	1,380	1,380	1,312	0	67	0	0	0	2,985	2,952	33			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
e. Sub Total	802	631	659	-171	-28	18,999	18,287	17,090	-713	1,197	0	0	0	77,317	76,757	560			
f. Management Resrv.														0					
g. Total	802	631	659	-171	-28	18,999	18,287	17,090	-713	1,197	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) 2011/04/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011/04/30					
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO X 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 31MAY2011 (4)	+2 30JUN2011 (5)	+3 31JUL2011 (6)	+4 31AUG2011 (7)	+5 30SEP2011 (8)	+6 31OCT2011 (9)	30NOV2011 (10)	31DEC2011 (11)	31JAN2012 (12)	29FEB2012 (13)	31MAR2012 (14)			
PM Baseline (Beginning of Period)	18,197	802	820	758	539	589	413	839	786	893	938	969	688	0	77,317	
PM Baseline (End of Period)	18,999		820	758	539	589	413	839	786	893	938	969	688	0	77,317	
Management Reserve															0	
Total															77,317	

