

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 / 09 / 01								
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2			b. TO (YYYYMMDD) 2011 / 09 / 30								
5. CONTRACT DATA			c. TYPE M&O				d. SHARE RATIO			c. EVMS ACCEPTANCE NO <input checked="" type="checkbox"/> YES (YYYYMMDD)								
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	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				7. AUTHORIZED CONTRACTOR REPRESENTATIVE														
MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Ronald Strykowski		b. TITLE Project Manager										
a. BEST CASE		0		0		c. SIGNATURE		d. DATE SIGNED (YYYYMMDD)										
b. WORST CASE		0		0														
c. MOST LIKELY		0		77,317		77,317												
8. PERFORMANCE DATA																		
WBS[2] ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION				
	BUDGETED COST		ACTUAL COST		VARIANCE		BUDGETED COST		ACTUAL COST		VARIANCE							
	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)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)		
1.1 Torus Systems	64	202	954	138	-752	8,154	7,620	8,023	-534	-404	0	0	0	18,268	19,986	-1,718		
1.2 Plasma Heating and Current Drive Systems	84	445	431	362	15	4,807	5,130	4,903	323	226	0	0	0	24,591	25,302	-711		
1.3 Auxiliary Systems	0	1	0	1	1	120	110	49	-10	61	0	0	0	377	310	67		
1.4 Plasma Diagnostics	48	40	57	-8	-16	825	710	795	-115	-84	0	0	0	1,785	1,881	-96		
1.5 Power Systems	32	17	11	-15	6	2,253	2,205	2,030	-47	175	0	0	0	9,360	9,790	-430		
1.6 Central Instrumentation & Control	1	16	12	15	4	118	126	119	8	7	0	0	0	918	900	18		
1.7 Project Support & Integration	181	183	-649	2	832	5,708	5,582	5,057	-125	526	0	0	0	14,371	13,791	580		
1.8 Site Preparation and Torus Assembly	4	8	23	4	-15	85	105	112	20	-7	0	0	0	7,648	7,995	-348		
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	413	912	839	499	73	22,069	21,589	21,089	-480	500	0	0	0	77,317	79,955	-2,638		
f. Management Resrv.														0				
g. Total	413	912	839	499	73	22,069	21,589	21,089	-480	500	0	0	0	77,317				
9. Reconciliation to CBB																		
a. Variance Adjustment										0								
b. Total Contract Variance									-480	500				77,317	79,955	-2,638		

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) 2011/09/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011/09/30					
			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	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	168	303	1,070	135	-767	12,097	11,370	11,702	-727	-331	0	0	0	39,894	42,472	-2,577
NB Neutral Beam	138	502	445	364	56	6,172	6,419	5,793	247	627	0	0	0	28,548	28,846	-298
PM Project Management	107	107	-677	0	784	3,799	3,799	3,595	0	204	0	0	0	8,875	8,638	237
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	413	912	839	499	73	22,069	21,589	21,089	-480	500	0	0	0	77,317	79,955	-2,638
f. Management Resrv.														0		
g. Total	413	912	839	499	73	22,069	21,589	21,089	-480	500	0	0	0	77,317		

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) 2011/09/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD) 2011/09/30					
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)									
5. PERFORMANCE DATA																
OBS[2] OBS[3] 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																
1000 CSU Analytical Support (Dudek)	4	16	9	12	7	207	206	145	-2	61	0	0	0	385	760	-375
1001 CS Plasma Facing Components (Tresemer)	18	55	37	36	18	871	880	723	9	157	0	0	0	2,169	1,874	295
1002 Passive Plate Analysis & Upgrade (Dudek)	0	3	8	3	-5	251	249	295	-2	-46	0	0	0	251	335	-84
1200 Structures & Supports (Smith)	0	9	727	9	-718	2,290	2,216	2,504	-74	-287	0	0	0	3,554	4,015	-461
1300 Center Stack (Chrzanowski)	20	20	28	0	-8	416	416	346	0	70	0	0	0	1,063	980	83
1301 Outer TF Coils (Chrzanowski)	0	0	0	0	0	20	20	20	0	0	0	0	0	338	330	8
1302 Center Stack Assembly (Chrzanowski)	0	0	0	0	0	0	0	10	0	-10	0	0	0	990	994	-4
1303 TF Joint Test Stand & Test (Kozub)	0	0	1	0	-1	353	353	225	0	128	0	0	0	353	224	129
1304 Inner TF Bundle (Chrzanowski)	14	16	83	3	-67	1,196	812	893	-384	-80	0	0	0	2,595	3,369	-775
1305 Ohmic Heating Coil (Chrzanowski)	8	82	56	74	26	1,765	1,699	1,949	-66	-250	0	0	0	4,556	4,963	-407
1306 Inner PF Coils (Chrzanowski)	0	0	6	0	-6	175	167	209	-8	-41	0	0	0	669	718	-49
1307 CS Casing Assembly (Chrzanowski)	0	1	0	1	1	167	159	263	-8	-105	0	0	0	904	981	-77
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)	0	0	0	0	0	74	68	35	-6	33	0	0	0	195	159	36
3300 Bakeout System Mods CSU (Raki)	0	0	0	0	0	5	5	0	0	5	0	0	0	79	73	6
3400 Gas Delivery System Mods (Blanchard)	0	1	0	1	1	41	37	14	-4	23	0	0	0	102	78	24
4100 Center Stack Diagnostics (Kaita)	0	0	-1	0	1	183	183	144	0	39	0	0	0	836	789	47
4500 MPTS VV Modification (Labik)	48	40	57	-8	-17	642	527	651	-115	-124	0	0	0	949	1,092	-143
5000 CSU Power Systems (Raki)	24	7	8	-16	0	1,433	1,389	1,367	-45	22	0	0	0	5,735	5,976	-241
5200 DCPS (Hatcher)	8	9	6	1	4	439	436	351	-3	85	0	0	0	2,493	2,350	144
5501 Coil Bus Runs (Smith)	0	0	-3	0	3	380	380	312	0	68	0	0	0	1,131	1,464	-333
6100 Control Sys Data Acquisition (Sichta)	1	16	12	15	4	118	126	119	8	7	0	0	0	918	900	18
7200 Center Stack Management (Dudek)	19	19	13	0	7	543	494	573	-49	-79	0	0	0	1,539	1,610	-71
8200 Field Supervision & Oversight (Perry)	4	8	23	4	-15	85	105	112	20	-7	0	0	0	6,474	6,839	-365
8250 Remove/Install Centerstack (Perry)	0	0	0	0	0	0	0	0	0	0	0	0	0	1,174	1,157	17
OBS[2]Totals:	168	303	1,070	135	-767	12,097	11,370	11,702	-727	-331	0	0	0	39,894	42,472	-2,577
NB Neutral Beam																
2300 ECH Analysis (Titus)	0	0	0	0	0	84	82	29	-2	54	0	0	0	84	29	55
2420 2nd NBI Sources (Cropper)	0	3	13	3	-10	4	7	17	3	-10	0	0	0	1,094	1,085	9
2425 BL Relocation (Denault)	0	0	0	0	0	101	95	54	-6	41	0	0	0	1,860	2,144	-285
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)	79	141	27	62	114	487	454	253	-33	201	0	0	0	2,590	2,499	91
2450 2nd NBI Services (Denault)	0	0	41	0	-41	352	357	428	5	-71	0	0	0	4,516	4,683	-167
2460 2nd NBI Armor (Tresemer)	0	6	17	6	-10	392	401	396	10	5	0	0	0	700	702	-2
2470 2nd NBI Power (Raki)	2	2	0	0	1	250	250	263	0	-12	0	0	0	3,335	3,574	-240
2475 2nd NBI Controls (Cropper)	0	216	201	216	15	248	434	272	186	162	0	0	0	2,089	2,118	-29
2480 2nd NBI/TVPS Duct (Denault)	0	8	13	8	-5	460	456	465	-4	-8	0	0	0	2,260	2,210	50
2485 Vacuum Pumping System (Blanchard)	0	9	11	9	-2	90	98	136	8	-38	0	0	0	388	399	-11
2490 NTC Equipment Relocations (Perry)	3	59	107	56	-48	281	437	520	156	-82	0	0	0	3,618	3,787	-169
7300 NB2 Management (Stevenson)	10	10	3	0	7	470	392	364	-78	28	0	0	0	1,450	1,415	35
7400 Health Physics Support (Stevenson)	45	47	12	2	34	896	898	526	2	372	0	0	0	2,507	2,130	378
OBS[2]Totals:	138	502	445	364	56	6,172	6,419	5,793	247	627	0	0	0	28,548	28,846	-298
PM Project Management																
7100 Project Management & Integration (Strykowski)	73	73	-675	0	748	2,249	2,249	2,302	0	-53	0	0	0	5,812	5,865	-53
7710 NSTX-U HP and Other Allocations (Strykowski)	33	33	-2	0	35	1,545	1,545	1,289	0	256	0	0	0	2,985	2,713	272
7900 Integrated System (Gentile)	0	0	0	0	0	6	6	4	0	2	0	0	0	78	60	18
OBS[2]Totals:	107	107	-677	0	784	3,799	3,799	3,595	0	204	0	0	0	8,875	8,638	237
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	413	912	839	499	73	22,069	21,589	21,089	-480	500	0	0	0	77,317	79,955	-2,638
f. Management Resrv.																
g. Total	413	912	839	499	73	22,069	21,589	21,089	-480	500	0	0	0	77,317		

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) 2011/09/01						
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2			b. TO (YYYYMMDD) 2011/09/30						
			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 31OCT2011 (4)	+2 30NOV2011 (5)	+3 31DEC2011 (6)	+4 31JAN2012 (7)	+5 29FEB2012 (8)	+6 31MAR2012 (9)	30APR2012 (10)	31MAY2012 (11)	30JUN2012 (12)	31JUL2012 (13)	31AUG2012 (14)			
PM Baseline (Beginning of Period)	21,656	413	839	786	893	938	969	688	1,037	930	984	1,094	1,580	0	77,317	
ECP-003															0	
PM Baseline (End of Period)	22,069		839	786	893	938	969	688	1,025	914	984	1,094	1,580	0	77,317	
Management Reserve															0	
Total															77,317	

