

CONTRACT PERFORMANCE REPORT													FORM APPROVED			
FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$			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) 2013 / 07 / 01			
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3					b. TO (YYYYMMDD) 2013 / 07 / 31			
				c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011 / 12 / 20								
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIA COST	c. ESTIMATED COST OF THORIZED 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	84,954	0	0	84,954	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 Strykowsky			b. TITLE Project Manager			
a. BEST CASE 0										c. SIGNATURE			d. DATE SIGNED (YYYYMMDD)			
b. WORST CASE 0																
c. MOST LIKELY 0			84,954			84,954										
8. PERFORMANCE DATA																
WBS[15]  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)						
1.1 Torus Systems	620	700	817	80	-116	20,825	19,733	22,797	-1,092	-3,064	0	0	0	23,811	27,965	-4,154
1.2 Plasma Heating and Current Drive Systems	1,368	469	680	-900	-211	15,315	15,803	15,207	488	596	0	0	0	23,472	23,036	436
1.3 Auxiliary Systems	0	0	8	0	-8	120	170	141	51	30	0	0	0	377	417	-40
1.4 Plasma Diagnostics	50	81	83	31	-2	1,920	1,726	1,959	-194	-234	0	0	0	1,972	2,293	-321
1.5 Power Systems	415	227	208	-188	19	5,421	5,168	5,168	-253	-1	0	0	0	10,047	10,154	-107
1.6 Central Instrumentation & Control	7	2	2	-5	1	214	348	316	134	32	0	0	0	956	937	19
1.7 Project Support & Integration	205	205	145	0	60	11,560	11,560	10,723	0	836	0	0	0	14,513	14,053	460
1.8 Site Preparation and Torus Assembly	333	417	159	83	258	5,576	5,181	4,954	-394	228	0	0	0	9,805	9,788	18
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	3,000	2,101	2,101	-899	1	60,951	59,690	61,266	-1,261	-1,576	0	0	0	84,954	88,643	-3,690
f. Management Reserv.																
g. Total	3,000	2,101	2,101	-899	1	60,951	59,690	61,266	-1,261	-1,576	0	0	0	84,954		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance										0				84,954	88,643	-3,690

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) 2013/07/01				
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2013/07/31				
				c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011/12/20								
5. PERFORMANCE DATA																
OBS[15]  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)						
1000 CSU Analytical Support (Dudek)	17	17	16	0	1	472	472	501	0	-29	0	0	0	705	734	-28
1001 CS Plasma Facing Components (Tresemer)	12	37	54	25	-17	1,949	1,816	1,529	-133	287	0	0	0	2,110	1,823	287
1002 Passive Plate Analysis & Upgrade (Atnafu)	0	0	5	0	-5	639	605	501	-34	104	0	0	0	639	1,135	-496
1200 Structures & Supports (Smith)	204	111	27	-93	84	3,673	3,699	4,367	26	-668	0	0	0	3,791	4,454	-664
1300 Center Stack (Chrzanowski)	141	141	129	0	12	1,882	1,882	2,083	0	-201	0	0	0	2,272	2,741	-470
1301 Outer TF Coils (Chrzanowski)	0	44	62	44	-18	471	471	485	0	-15	0	0	0	471	485	-15
1302 Center Stack Assembly (Chrzanowski)	46	23	12	-22	11	327	78	60	-249	18	0	0	0	845	871	-27
1303 TF Joint Test Stand & Test (CLOSED)	0	0	0	0	0	353	353	225	0	128	0	0	0	353	225	128
1304 Inner TF Bundle (Chrzanowski)	0	205	205	205	1	2,779	2,986	3,085	207	-98	0	0	0	3,566	3,664	-98
1305 Ohmic Heating Coil (Chrzanowski)	129	104	285	-25	-181	5,866	5,417	7,799	-449	-2,382	0	0	0	6,411	8,966	-2,555
1306 Inner PF Coils (Chrzanowski)	72	0	8	-72	-8	611	380	542	-231	-162	0	0	0	824	986	-162
1307 CS Casing Assembly (Chrzanowski)	0	18	14	18	3	1,361	1,131	1,176	-230	-45	0	0	0	1,384	1,438	-54
1310 CSU Magnets Systems (CLOSED)	0	0	0	0	0	442	442	442	0	0	0	0	0	442	442	0
3200 Water Cooling System Mods (Atnafu)	0	0	0	0	0	74	68	38	-6	30	0	0	0	195	165	31
3300 Bakeout System Mods CSU (Raki)	0	0	0	0	0	5	55	44	50	11	0	0	0	79	138	-59
3400 Gas Delivery System Mods (Blanchard)	0	0	8	0	-8	41	48	59	7	-12	0	0	0	102	114	-12
4100 Center Stack Diagnostics (Kaita)	47	23	34	-24	-11	792	695	559	-97	136	0	0	0	836	700	135
4500 MPTS VV Modification (Labik)	3	58	49	55	9	1,128	1,031	1,400	-97	-369	0	0	0	1,137	1,593	-456
5000 CSU Power Systems (Raki)	114	77	30	-37	47	2,699	3,122	2,622	422	500	0	0	0	5,736	5,192	544
5200 DCPS (Hatcher)	180	121	143	-59	-22	1,729	1,412	1,918	-317	-506	0	0	0	2,406	2,913	-507
5501 Coil Bus Runs (Atnafu)	121	29	35	-92	-6	993	634	629	-359	6	0	0	0	1,906	2,050	-144
6100 Control Sys Data Acquisition (Sichta)	7	2	2	-5	-1	214	348	316	134	32	0	0	0	956	937	19
7200 Center Stack Management (Dudek)	19	19	26	0	7	1,256	1,256	1,125	0	131	0	0	0	1,624	1,493	131
8200 CS & Coil Supt Struct Install (Perry)	287	271	131	-16	140	4,371	4,017	4,115	-354	-98	0	0	0	7,156	7,254	-98
8210 Field Supervision & Oversight (Perry)	46	46	27	0	19	995	995	837	0	158	0	0	0	1,426	1,268	158
8250 Remove/Install Centerstack (Perry)	0	99	0	99	99	210	169	2	-41	167	0	0	0	1,223	1,266	-43
2300 ECH Analysis (CLOSED)	0	0	0	0	0	84	84	29	0	55	0	0	0	84	29	55
2420 2nd NBI Sources (CLOSED)	48	0	0	-48	0	81	99	61	19	38	0	0	0	99	61	38
2425 BL Relocation (Cropper)	0	5	72	5	-67	1,803	1,584	1,130	-219	454	0	0	0	1,803	1,349	454
2430 2nd NBI Decontamination (CLOSED)	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 (Cropper)	75	24	7	-51	18	1,979	1,901	1,486	-78	415	0	0	0	1,979	1,564	414
2450 2nd NBI Services (Cropper)	653	339	336	-314	3	2,222	2,711	2,487	489	224	0	0	0	4,950	4,727	223
2460 2nd NBI Armor (Tresemer)	16	0	5	-16	-5	506	652	876	146	-224	0	0	0	761	984	-224
2470 2nd NBI Power (Raki)	174	4	119	-170	-115	1,130	1,105	1,234	-24	-128	0	0	0	3,335	3,623	-288
2475 2nd NBI Controls (Cropper)	91	0	3	-91	-3	1,919	1,682	1,352	-237	330	0	0	0	2,611	2,281	330
2480 2nd NBI/TVPS Duct (Blanchard)	253	63	83	-190	-20	1,597	1,778	2,156	181	-378	0	0	0	2,094	2,472	-378
2485 Vacuum Pumping System (Blanchard)	0	0	12	0	-12	90	291	359	201	-67	0	0	0	388	455	-67
2490 NTC Equipment Relocations (Perry)	59	34	43	-26	-9	1,847	1,857	1,968	10	-110	0	0	0	3,311	3,421	-109
7300 NB2 Management (Stevenson)	22	22	14	0	8	805	805	699	0	107	0	0	0	1,103	996	107
7400 Health Physics Support (Stevenson)	33	33	-48	0	81	2,143	2,143	1,632	0	512	0	0	0	2,449	1,937	512
7100 Project Management & Integration (Strykowski)	95	95	78	0	17	4,939	4,939	5,160	0	-221	0	0	0	6,412	7,010	-598
7710 NSTX-U HP and Other Allocations (Strykowski)	35	35	75	0	-39	2,407	2,407	2,104	0	303	0	0	0	2,847	2,545	302
7900 Integrated System (Gentile)	0	0	0	0	0	9	9	4	0	5	0	0	0	78	73	5
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	3,000	2,101	2,101	-899	1	60,951	59,690	61,266	-1,261	-1,576	0	0	0	84,954	88,643	-3,690
f. Management Resrv.																
g. Total	3,000	2,101	2,101	-899	1	60,951	59,690	61,266	-1,261	-1,576	0	0	0	84,954		

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a. NAME Princeton University-Plasma Physics Lab			a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD) 2013/07/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011/12/20			b. TO (YYYYMMDD) 2013/07/31						
c. TYPE M&O			d. SHARE RATIO													
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	1,446	1,447	1,302	1	145	35,332	33,583	36,461	-1,749	-2,878	0	0	0	48,593	53,048	-4,455
NB Neutral Beam	1,423	524	646	-900	-122	18,264	18,752	17,538	488	1,215	0	0	0	27,024	25,968	1,056
PM Project Management	131	131	153	0	-22	7,355	7,355	7,268	0	87	0	0	0	9,337	9,628	-290
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	3,000	2,101	2,101	-899	1	60,951	59,690	61,266	-1,261	-1,576	0	0	0	84,954	88,643	-3,690
f. Management Resrv.														0		
g. Total	3,000	2,101	2,101	-899	1	60,951	59,690	61,266	-1,261	-1,576	0	0	0	84,954		

CONTRACT PERFORMANCE REPORT											DOLLARS IN		Thousands of \$		FORM APPROVED	
FORMAT 3 - BASELINE															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) 2013/07/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		c. EVMS ACCEPTANCE NO YES X (YYYYMMDD) 2011/12/20				b. TO (YYYYMMDD) 2013/07/31					
			c. TYPE M&O		d. SHARE RATIO											
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 77,317			b. NEGOTIATED CONTRACT CHANGES 7,636		c. CURRENT NEGOTIATED COST (a. + b.) 84,954			d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0			e. CONTRACT BUDGET BASE (c. + d.) 84,954		f. TOTAL ALLOCATED BUDGET 84,954		g. DIFFERENCE (e. - f.) 0	
h. CONTRACT START DATE 2009 / 02 / 23				i. CONTRACT DEFINITIZATION DATE			j. PLANNED COMPLETION DATE 2015 / 09 / 29			k. CONTRACT COMPLETION DATE			l. ESTIMATED COMPLETION DATE 2015 / 09 / 29			
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 31AUG2013 (4)	+2 30SEP2013 (5)	+3 31OCT2013 (6)	+4 30NOV2013 (7)	+5 31DEC2013 (8)	+6 31JAN2014 (9)	28FEB2014 (10)	31MAR2014 (11)	30APR2014 (12)	31MAY2014 (13)	30JUN2014 (14)			
PM Baseline (Beginning of Period)	57,951	2,987	2,629	2,247	3,142	2,350	1,642	2,256	1,946	1,986	1,653	1,431	1,175	0	84,908	
ECP-092															46	
PM Baseline (End of Period)	60,951		2,641	2,252	3,146	2,353	1,644	2,259	1,949	1,986	1,653	1,431	1,175	0	84,954	
Management Reserve															0	
Total															84,954	

