

CLASSIFICATION (When Filled In)																				
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 / 10 / 01									
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD)  2011 / 10 / 31									
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)													
5. CONTRACT DATA																				
a. QUANTITY	b. NEGOTIATED 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	78,281	0	0	78,281	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										c. SIGNATURE			d. DATE SIGNED (YYYYMMDD)							
b. WORST CASE 0																				
c. MOST LIKELY 0			78,281			78,281														
8. PERFORMANCE DATA																				
WBS[2]  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 (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)				
	SCHEDULED (2)	PERFORMED (3)		SCHEDULE (5)	COST (6)	SCHEDULED (7)	PERFORMED (8)		SCHEDULE (10)	COST (11)										
1.1 Torus Systems	200	106	250	-94	-144	7,976	7,726	8,274	-250	-548	0	0	0	19,050	20,106	-1,056				
1.2 Plasma Heating and Current Drive Systems	143	389	147	246	242	4,949	5,519	5,050	569	468	0	0	0	23,593	24,336	-744				
1.3 Auxiliary Systems	0	2	10	2	-8	120	112	59	-8	53	0	0	0	377	325	52				
1.4 Plasma Diagnostics	8	81	42	72	39	834	791	836	-42	-45	0	0	0	1,785	1,958	-173				
1.5 Power Systems	77	19	30	-59	-11	2,330	2,224	2,060	-106	164	0	0	0	9,360	9,831	-471				
1.6 Central Instrumentation & Control	1	7	6	6	1	119	133	125	15	8	0	0	0	918	912	6				
1.7 Project Support & Integration	199	324	226	125	98	5,906	5,906	5,283	0	624	0	0	0	14,371	13,747	624				
1.8 Site Preparation and Torus Assembly	300	299	61	-1	238	384	404	173	20	231	0	0	0	8,827	8,812	15				
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																			
e. Sub Total	928	1,226	772	299	455	22,618	22,815	21,861	197	955	0	0	0	78,281	80,027	-1,746				
f. Management Resrv.	0																			
g. Total	928	1,226	772	299	455	22,618	22,815	21,861	197	955	0	0	0	78,281						
9. Reconciliation to CBB																				
a. Variance Adjustment											0									
b. Total Contract Variance											197		955		78,281			80,027		-1,746

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) 2011/10/01				
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466		b. PHASE CD-2		c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)			b. TO (YYYYMMDD) 2011/10/31					
			c. TYPE M&O		d. SHARE RATIO										

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	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST						
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)						
CS Center Stack	605	581	429	-24	152	12,324	11,952	12,130	-372	-179	0	0	0	41,856	43,563	-1,707
NB Neutral Beam	198	520	165	322	355	6,370	6,939	5,958	569	981	0	0	0	27,550	27,912	-362
PM Project Management	125	125	177	0	-52	3,924	3,924	3,772	0	152	0	0	0	8,875	8,552	323
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	928	1,226	772	299	455	22,618	22,815	21,861	197	955	0	0	0	78,281	80,027	-1,746
f. Management Resrv.														0		
g. Total	928	1,226	772	299	455	22,618	22,815	21,861	197	955	0	0	0	78,281		

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) 2011/10/01							
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-2				b. TO (YYYYMMDD)							
c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO X YES (YYYYMMDD)				2011/10/31							
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)	5	6	7	1	-1	212	211	151	-1	60	0	0	0	385	764	-379			
1001 CS Plasma Facing Components (Tresemer)	23	3	0	-20	-3	894	884	724	-11	160	0	0	0	2,169	1,986	183			
1002 Passive Plate Analysis & Upgrade (Dudek)	0	-4	0	-4	-4	251	245	295	-6	-50	0	0	0	251	331	-80			
1200 Structures & Supports (Smith)	2	19	66	17	-47	2,292	2,235	2,570	-57	-334	0	0	0	3,554	4,033	-479			
1300 Center Stack (Chrzanowski)	21	21	20	0	1	438	438	367	0	71	0	0	0	1,063	989	74			
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)	23	0	0	-23	0	23	0	10	-23	-10	0	0	0	990	994	-4			
1303 TF Joint Test Stand & Test (Kozub)	0	0	0	0	0	353	353	225	0	128	0	0	0	353	225	128			
1304 Inner TF Bundle (Chrzanowski)	61	2	82	-59	-79	879	815	975	-65	-160	0	0	0	3,377	3,369	7			
1305 Ohmic Heating Coil (Chrzanowski)	64	56	58	-8	-2	1,829	1,755	2,007	-74	-252	0	0	0	4,556	4,953	-397			
1306 Inner PF Coils (Chrzanowski)	0	0	13	0	-13	175	167	222	-8	-54	0	0	0	669	721	-53			
1307 CS Casing Assembly (Chrzanowski)	0	2	3	2	-2	167	160	267	-7	-107	0	0	0	904	969	-65			
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	2	0	-2	74	68	37	-6	32	0	0	0	195	181	14			
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	2	8	2	-6	41	39	23	-2	16	0	0	0	102	71	32			
4100 Center Stack Diagnostics (Kaita)	0	57	2	57	56	183	240	145	-57	95	0	0	0	836	821	15			
4500 MPTS VV Modification (Labik)	0	8	24	40	15	651	551	691	-100	-140	0	0	0	949	1,137	-188			
5000 CSU Power Systems (Raki)	39	8	10	-31	-2	1,472	1,396	1,377	-76	19	0	0	0	5,735	5,957	-222			
5200 DCPS (Hatcher)	38	11	20	-27	-9	477	447	371	-30	76	0	0	0	2,493	2,402	92			
5501 Coil Bus Runs (Smith)	0	0	0	0	0	380	380	312	0	68	0	0	0	1,131	1,472	-341			
6100 Control Sys Data Acquisition (Sichta)	1	7	6	6	1	119	133	125	15	8	0	0	0	918	912	6			
7200 Center Stack Management (Dudek)	19	68	30	49	38	561	561	603	0	-41	0	0	0	1,539	1,619	-81			
8200 CS & Coil Supt Struct Install (Perry)	218	217	61	-1	156	302	322	173	20	149	0	0	0	5,929	5,929	0			
8210 Field Supervision & Oversight (Perry)	82	82	0	0	82	82	82	0	0	82	0	0	0	1,727	1,727	0			
8250 Remove/Install Centerstack (Perry)	0	0	0	0	0	0	0	0	0	0	0	0	0	1,171	1,157	15			
OBS[2]Totals:	605	581	429	-24	152	12,324	11,952	12,130	-372	-179	0	0	0	41,856	43,563	-1,707			
NB Neutral Beam																			
2300 ECH Analysis (Titus)	0	0	0	0	0	84	82	29	-2	54	0	0	0	84	42	42			
2420 2nd NBI Sources (Cropper)	0	5	3	5	2	4	12	20	8	-8	0	0	0	99	100	-1			
2425 BL Relocation (Denault)	0	0	2	0	-2	101	95	56	-6	39	0	0	0	1,860	2,162	-302			
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)	82	24	31	-58	-7	569	478	285	-91	194	0	0	0	2,590	2,456	133			
2450 2nd NBI Services (Denault)	0	26	11	26	15	352	383	439	31	-56	0	0	0	4,516	4,697	-180			
2460 2nd NBI Armor (Tresemer)	0	11	13	11	-3	392	412	410	20	2	0	0	0	700	720	-20			
2470 2nd NBI Power (Raki)	2	2	4	0	-2	252	252	266	0	-15	0	0	0	3,335	3,571	-236			
2475 2nd NBI Controls (Cropper)	0	60	20	60	40	248	494	293	246	202	0	0	0	2,089	2,203	-115			
2480 2nd NBI/TVPS Duct (Denault)	0	1	3	1	-2	460	457	467	-3	-10	0	0	0	2,260	2,185	75			
2485 Vacuum Pumping System (Blanchard)	0	8	8	8	1	90	107	144	16	-38	0	0	0	388	421	-34			
2490 NTC Equipment Relocations (Perry)	59	252	52	193	199	340	689	572	349	117	0	0	0	3,615	3,710	-95			
7300 NB2 Management (Stevenson)	10	88	15	78	73	480	480	379	0	101	0	0	0	1,450	1,405	45			
7400 Health Physics Support (Stevenson)	45	42	3	-2	39	940	940	529	0	412	0	0	0	2,507	2,171	336			
OBS[2]Totals:	198	520	165	322	355	6,370	6,939	5,958	569	981	0	0	0	27,550	27,912	-362			
PM Project Management																			
7100 Project Management & Integration (Strykowski)	82	82	144	0	-62	2,330	2,330	2,445	0	-115	0	0	0	5,812	5,865	-53			
7710 NSTX-U HP and Other Allocations (Strykowski)	44	44	34	0	10	1,589	1,589	1,323	0	266	0	0	0	2,985	2,626	359			
7900 Integrated System (Gentile)	0	0	0	0	0	6	6	4	0	2	0	0	0	78	61	17			
OBS[2]Totals:	125	125	177	0	-52	3,924	3,924	3,772	0	152	0	0	0	8,875	8,552	323			
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	928	1,226	772	299	455	22,618	22,815	21,861	197	955	0	0	0	78,281	80,027	-1,746			
f. Management Resrv.																			
g. Total	928	1,226	772	299	455	22,618	22,815	21,861	197	955	0	0	0	78,281					

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) 2011/10/01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466		b. PHASE CD-2		b. TO (YYYYMMDD) 2011/10/31									
			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 963		c. CURRENT NEGOTIATED COST (a. + b.) 78,281			d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		e. CONTRACT BUDGET BASE (c. + d.) 78,281		f. TOTAL ALLOCATED BUDGET 78,281		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 30NOV2011 (4)	+2 31DEC2011 (5)	+3 31JAN2012 (6)	+4 29FEB2012 (7)	+5 31MAR2012 (8)	+6 30APR2012 (9)	31MAY2012 (10)	30JUN2012 (11)	31JUL2012 (12)	31AUG2012 (13)	30SEP2012 (14)			
PM Baseline (Beginning of Period)	22,069	839	786	893	938	969	688	1,037	930	984	1,094	1,580	1,261	0	77,317	
ECP004															963	
PM Baseline (End of Period)	22,618		959	1,295	1,189	1,280	1,327	1,172	1,060	1,155	1,260	1,500	1,188	0	78,281	
Management Reserve															0	
Total															78,281	

EVM Data as of:		10/30/2011		PEP		PEP Variance Threshold (>10% AND >\$50K) exceeded which requires CPR5 submission at WBS Level 2																			
Thousands of \$				PM		Internal variance requiring a VAR																			
WBS[2] OBS[3]	BCWS	BCWP	ACWP	Current Period		Cumulative to Date						At Completion			% Spent	% Complete	FY 2011/2012								
				SV	CV	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	TCPI	BAC			EAC	VAC	BCWS	BCWP	ACWP	SPI	CPI	SV	CV
<b>1.1 Torus Systems</b>																									
1000 CSU Analytical Support (Dudek)	5	6	7	1	-1	212	211	151	-1	60	1.00	1.39	0.28	385	764	-379	0.18	0.52	148	135	87	0.91	1.56	-13	48
1001 CS Plasma Facing Components (Tresemer)	23	3	0	-20	3	894	884	724	-11	160	0.99	1.22	1.02	2,169	1,986	183	0.36	0.41	550	527	371	0.96	1.42	-23	156
1002 Passive Plate Analysis & Upgrade (Dudek)	0	-4	0	-4	-4	251	245	295	-6	-50	0.98	0.83	0.16	251	331	-80	0.91	0.99	81	50	125	0.62	0.40	-30	-74
1200 Structures & Supports (Smith)	2	19	66	17	-47	2,292	2,235	2,570	-57	-334	0.98	0.87	0.90	3,554	4,033	-479	0.61	0.62	663	619	943	0.93	0.66	-45	-324
1300 Center Stack (Chrzanowski)	21	21	20	0	1	438	438	367	0	71	1.00	1.19	1.00	1,063	989	74	0.33	0.39	305	279	234	0.91	1.19	-27	45
1301 Outer TF Coils (Chrzanowski)	0	0	0	0	0	20	20	20	0	0	1.00	1.00	1.03	338	330	8	0.06	0.06	0	0	0	-0.04	0.42	0	0
1302 Center Stack Assembly (Chrzanowski)	23	0	0	-23	0	23	0	10	-23	-10	0.00	0.00	1.01	990	994	-4	0.01	0.00	23	0	10	0.00	0.00	-23	-10
1303 TF Joint Test Stand & Test (Kozub)	0	0	0	0	0	353	353	225	0	128	1.00	1.57	0.00	353	225	128	1.06	1.00	273	274	145	1.00	1.89	1	129
1304 Inner TF Bundle (Chrzanowski)	61	2	82	-59	-79	879	815	975	-65	-160	0.93	0.84	1.07	3,377	3,369	7	0.26	0.63	551	490	647	0.89	0.76	-61	-157
1305 Ohmic Heating Coil (Chrzanowski)	64	56	58	-8	-2	1,829	1,755	2,007	-74	-252	0.96	0.87	0.95	4,556	4,953	-397	0.39	0.37	460	397	638	0.86	0.62	-63	-241
1306 Inner PF Coils (Chrzanowski)	0	0	13	0	-13	175	167	222	-8	-54	0.95	0.75	1.00	669	721	-53	0.29	0.25	76	73	122	0.95	0.59	-4	-50
1307 CS Casing Assembly (Chrzanowski)	0	2	3	2	-2	167	160	267	-7	-107	0.96	0.60	1.06	904	969	-65	0.27	0.18	73	67	173	0.92	0.39	-6	-106
1310 CSU Magnets Systems (Chrzanowski)	0	0	0	0	0	442	442	442	0	0	1.00	1.00	0.00	442	442	0	1.00	1.00	0	0	0	0.10	5.13	0	0
<b>WBS[2]Totals:</b>	<b>200</b>	<b>106</b>	<b>250</b>	<b>-94</b>	<b>-144</b>	<b>7,976</b>	<b>7,726</b>	<b>8,274</b>	<b>-250</b>	<b>-548</b>	<b>0.97</b>	<b>0.93</b>	<b>0.96</b>	<b>19,050</b>	<b>20,106</b>	<b>-1,056</b>	<b>0.39</b>	<b>0.46</b>	<b>3,204</b>	<b>2,911</b>	<b>3,495</b>	<b>0.91</b>	<b>0.83</b>	<b>-293</b>	<b>-584</b>
<b>1.2 Plasma Heating and Current Drive Systems</b>																									
2300 ECH Analysis (Titus)	0	0	0	0	0	84	82	29	-2	54	0.98	2.86	0.14	84	42	42	0.65	0.98	58	58	2	1.00	31.28	0	56
2420 2nd NBI Sources (Cropper)	0	5	3	5	2	4	12	20	8	-8	3.24	0.61	1.09	99	100	-1	0.02	0.00	4	12	20	3.24	0.61	8	-8
2425 BL Relocation (Denault)	0	0	2	0	-2	101	95	56	-6	39	0.94	1.70	0.84	1,860	2,162	-302	0.03	0.05	60	54	13	0.90	4.33	-6	42
2430 2nd NBI Decontamination (Stevenson)	0	0	0	0	0	2,057	2,057	2,070	0	-13	1.00	0.99	0.00	2,057	2,070	-13	1.00	1.00	18	18	30	0.99	0.59	0	-12
2440 2nd NBI Beamline (Denault)	82	24	31	-58	-7	569	478	285	-91	194	0.84	1.68	0.97	2,590	2,456	133	0.10	0.12	528	438	244	0.83	1.79	-91	194
2450 2nd NBI Services (Denault)	0	26	11	26	15	352	383	439	31	-56	1.09	0.87	0.97	4,516	4,697	-180	0.09	0.08	86	117	173	1.36	0.68	31	-56
2460 2nd NBI Armor (Tresemer)	0	11	13	11	-3	392	412	410	20	2	1.05	1.01	0.93	700	720	-20	0.54	0.57	120	140	137	1.17	1.02	20	3
2470 2nd NBI Power (Raki)	2	2	4	0	-2	252	252	266	0	-15	1.00	0.95	0.93	3,335	3,571	-236	0.07	0.08	38	37	53	0.97	0.70	-1	-16
2475 2nd NBI Controls (Cropper)	0	60	20	60	40	248	494	293	246	1.99	1.69	0.83	2,089	2,203	-115	0.12	0.11	240	484	284	2.02	1.70	244	200	
2480 2nd NBI/TVPS Duct (Denault)	0	1	3	1	-2	460	457	467	-3	-10	0.99	0.98	1.05	2,260	2,185	75	0.21	0.20	106	116	113	1.10	1.03	11	4
2485 Vacuum Pumping System (Blanchard)	0	8	8	8	1	90	107	144	16	-38	1.18	0.74	1.01	388	421	-34	0.32	0.25	47	62	103	1.33	0.61	16	-41
2490 NTC Equipment Relocations (Perry)	59	252	52	193	199	340	689	572	349	117	2.03	1.20	0.93	3,615	3,710	-95	0.14	0.11	62	411	294	6.67	1.40	349	117
<b>WBS[2]Totals:</b>	<b>143</b>	<b>389</b>	<b>147</b>	<b>246</b>	<b>242</b>	<b>4,949</b>	<b>5,519</b>	<b>5,050</b>	<b>569</b>	<b>468</b>	<b>1.12</b>	<b>1.09</b>	<b>0.94</b>	<b>23,593</b>	<b>24,336</b>	<b>-744</b>	<b>0.19</b>	<b>0.19</b>	<b>1,366</b>	<b>1,947</b>	<b>1,465</b>	<b>1.43</b>	<b>1.33</b>	<b>581</b>	<b>482</b>
<b>1.3 Auxiliary Systems</b>																									
3200 Water Cooling System Mods (Denault)	0	0	2	0	-2	74	68	37	-6	32	0.92	1.87	0.88	195	181	14	0.19	0.35	58	52	21	0.90	2.51	-6	32
3300 Bakeout System Mods CSU (Raki)	0	0	0	0	0	5	5	0	0	5	1.00	0.00	1.02	79	73	6	0.00	0.06	5	5	0	1.00	#DIV/0!	0	5
3400 Gas Delivery System Mods (Blanchard)	0	2	8	2	-6	41	39	23	-2	16	0.95	1.72	1.32	102	71	32	0.20	0.36	39	36	20	0.94	1.81	-2	16
<b>WBS[2]Totals:</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>2</b>	<b>-8</b>	<b>120</b>	<b>112</b>	<b>59</b>	<b>-8</b>	<b>53</b>	<b>0.93</b>	<b>1.89</b>	<b>1.00</b>	<b>377</b>	<b>325</b>	<b>52</b>	<b>0.15</b>	<b>0.29</b>	<b>102</b>	<b>94</b>	<b>41</b>	<b>0.92</b>	<b>2.29</b>	<b>-8</b>	<b>53</b>
<b>1.4 Plasma Diagnostics</b>																									
4100 Center Stack Diagnostics (Kaita)	0	57	2	57	56	183	240	145	57	95	1.31	1.65	0.88	836	821	15	0.18	0.22	91	149	53	1.63	2.79	57	95
4500 MPTS VV Modification (Labik)	8	24	40	15	-17	651	551	691	-100	-140	0.85	0.80	0.89	949	1,137	-188	0.54	0.56	531	476	566	0.90	0.84	-55	-90
<b>WBS[2]Totals:</b>	<b>8</b>	<b>81</b>	<b>42</b>	<b>72</b>	<b>39</b>	<b>834</b>	<b>791</b>	<b>836</b>	<b>-42</b>	<b>-45</b>	<b>0.95</b>	<b>0.95</b>	<b>0.89</b>	<b>1,785</b>	<b>1,958</b>	<b>-173</b>	<b>0.39</b>	<b>0.40</b>	<b>622</b>	<b>625</b>	<b>619</b>	<b>1.00</b>	<b>1.01</b>	<b>3</b>	<b>6</b>
<b>1.5 Power Systems</b>																									
5000 CSU Power Systems (Raki)	39	8	10	-31	-2	1,472	1,396	1,377	-76	19	0.95	1.01	0.95	5,735	5,957	-222	0.23	0.24	333	254	238	0.76	1.07	-80	16
5200 DCPS (Hatcher)	38	11	20	-27	-9	477	447	371	-30	76	0.94	1.21	1.01	2,493	2,402	92	0.14	0.17	394	364	287	0.92	1.27	-30	76
5501 Coil Bus Runs (Smith)	0	0	0	0	0	380	380	312	0	68	1.00	1.22	0.65	1,131	1,472	-341	0.21	0.34	196	219	127	1.12	1.72	23	91
<b>WBS[2]Totals:</b>	<b>77</b>	<b>19</b>	<b>30</b>	<b>-59</b>	<b>-11</b>	<b>2,330</b>	<b>2,224</b>	<b>2,060</b>	<b>-106</b>	<b>164</b>	<b>0.95</b>	<b>1.08</b>	<b>0.92</b>	<b>9,360</b>	<b>9,831</b>	<b>-471</b>	<b>0.21</b>	<b>0.24</b>	<b>923</b>	<b>836</b>	<b>653</b>	<b>0.91</b>	<b>1.28</b>	<b>-87</b>	<b>184</b>
<b>1.6 Central Instrumentation &amp; Control</b>																									
6100 Control Sys Data Acquisition (Sichta)	1	7	6	6	1	119	133	125	15	8	1.12	1.06	1.00	918	912	6	0.13	0.14	78	92	85	1.18	1.09	14	8
<b>WBS[2]Totals:</b>	<b>1</b>	<b>7</b>	<b>6</b>	<b>6</b>	<b>1</b>	<b>119</b>	<b>133</b>	<b>125</b>	<b>15</b>	<b>8</b>	<b>1.12</b>	<b>1.06</b>	<b>1.00</b>	<b>918</b>	<b>912</b>	<b>6</b>	<b>0.13</b>	<b>0.14</b>	<b>78</b>	<b>92</b>	<b>85</b>	<b>1.18</b>	<b>1.09</b>	<b>14</b>	<b>8</b>
<b>1.7 Project Support &amp; Integration</b>																									
7200 Center Stack Management (Dudek)	19	68	30	49	38	561	561	603	0	-41	1.00	0.93	0.96	1,539	1,619	-81	0.35	0.32	339	339	380	1.00	0.89	0	-41
7300 NB2 Management (Stevenson)	10	88	15	78	73	480	480	379	0	101	1.00	1.27	0.95	1,450	1,405	45	0.26	0.27	279	280	179	1.00	1.57	0	101
7400 Health Physics Support (Stevenson)	45	42	3	-2	39	940	940	529	0	412	1.00	1.78	0.95	2,507	2,171	336	0.23	0.36	554	554	142	1.00	3.89	0	412
7100 Project Management & Integration (Strykowski)	82	82	144	0	-62	2,330	2,330	2,445	0	-115	1.00	0.95	1.02	5,812	5,865	-53	0.38	0.39	923	923	1,038	1.00	0.89	0	-115
7710 NSTX-U HP and Other Allocations (Strykowski)	44	44	34	0	10	1,589	1,589	1,323	0	266	1.00	1.20	1.07	2,985	2,626	359	0.46	0.52	426	426	161	1.			