

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE															FORM APPROVED OMB No. 0704-0188				
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) 2012 / 12 / 01				
b. LOCATION (Address and ZIP Code) Princeton, New Jersey					b. NUMBER DE-AC02-09CH11466					b. PHASE CD-3					b. TO (YYYYMMDD) 2012 / 12 / 31				
					c. TYPE M&O					c. EVMS ACCEPTANCE NO <input checked="" type="checkbox"/> YES (YYYYMMDD) 2011 / 12 / 20									
d. SHARE RATIO																			
5. CONTRACT DATA																			
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		83,089		0		0		83,089		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			83,089			83,089													
8. PERFORMANCE DATA																			
WBS (3) ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION				
	BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)	
	WORK SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)									
1.1 Torus Systems	633	309	435	-324	-126	16,186	14,801	17,331	-1,385	-2,530	0	0	0	22,782	25,502	-2,720			
1.2 Plasma Heating and Current T	488	303	292	-185	11	10,137	12,989	11,700	2,852	1,289	0	0	0	23,110	22,272	838			
1.3 Auxiliary Systems	0	0	-20	0	20	120	162	109	42	52	0	0	0	377	324	52			
1.4 Plasma Diagnostics	64	37	15	-27	22	1,458	1,388	1,520	-70	-133	0	0	0	1,972	2,105	-133			
1.5 Power Systems	223	88	141	-135	-53	4,162	3,804	3,718	-358	87	0	0	0	9,844	10,230	-385			
1.6 Central Instrumentation & Co	2	16	4	14	12	183	303	276	120	27	0	0	0	956	929	27			
1.7 Project Support & Integration	195	195	211	0	-16	9,999	9,999	8,847	0	1,152	0	0	0	14,505	13,352	1,152			
1.8 Site Preparation and Torus As	166	140	147	-26	-7	3,440	3,366	3,541	-74	-175	0	0	0	9,544	9,718	-175			
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
d. UNDISTRIBUTED BUDGET																			
e. SUBTOTAL	1,770	1,087	1,224	-683	-137	45,686	46,812	47,043	1,126	-231	0	0	0	83,089	84,433	-1,344			
f. MANAGEMENT RESERVE														0					
g. TOTAL	1,770	1,087	1,224	-683	-137	45,686	46,812	47,043	1,126	-231	0	0	0	83,089					
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																			
a. VARIANCE ADJUSTMENT																			
b. TOTAL CONTRACT VARIANCE																			
										1,126		-231		83,089		84,433		-1,344	

CLASSIFICATION (When Filled In)

Report Options

Criteria: WBS (3)

Calendar: 18 Required Set

Cost Sets: Scheduled, Performed, Actuals, Est. At Complete, , , Over target baseline

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) 12/1/2012	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD) 12/31/2012	
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20			

OBS (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)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
CS Center Stack	\$1,105.03	\$606.78	\$734.91	-498	-128	26,482	24,757	27,416	-1,725	-2,659	0	0	0	46,957	50,277	-3,320
NB Neutral Beam	\$541.97	\$356.89	\$362.44	-185	-6	12,717	15,569	13,472	2,852	2,097	0	0	0	26,720	25,074	1,646
PM Project Management	\$123.49	\$123.49	\$126.71	0	-3	6,486	6,486	6,156	0	331	0	0	0	9,412	9,082	331
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET																0
e. SUBTOTAL (Performance Measurement Baseline)	\$1,770.49	\$1,087.15	\$1,224.06	-683	-137	\$45,685.56	\$46,811.94	\$47,043.32	1,126	-231	\$0.00	\$0.00	\$0.00	83,089	\$84,433.18	-1,344
f. MANAGEMENT RESERVE																\$0.00
g. TOTAL	1,770	1,087	1,224	-683	-137	45,686	46,812	47,043	1,126	-231	0	0	0	83,089		

CLASSIFICATION (When Filled In)

Report Options
Criteria: OBS (2)
Calendar Set: 18 Required Set
Cost Sets: Scheduled, Performed, Actuals, Est. At Complete, , , Over target baseline

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) 2012 / 12 / 01	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD) 2012 / 12 / 31	
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20			

OBS (3)	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)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
ITEM (1)																
1000 CSU Analytical Support (Dudek)	13	13	19	0	-6	357	357	395	0	-39	0	0	0	705	744	-39
1001 CS Plasma Facing Components (Tresemer)	107	-19	12	-126	-31	1,440	1,329	1,106	-111	223	0	0	0	2,107	1,884	224
1002 Passive Plate Analysis & Upgrade (Atnafu)	0	0	1	0	-1	442	428	450	-14	-22	0	0	0	442	654	-211
1200 Structures & Supports (Smith)	158	36	9	-122	27	2,987	3,331	4,148	344	-817	0	0	0	3,765	4,582	-817
1300 Center Stack (Chrzanowski)	58	58	106	0	-48	1,077	1,077	1,186	0	-109	0	0	0	1,778	1,887	-109
1301 Outer TF Coils (Chrzanowski)	51	31	31	-20	0	194	163	196	-31	-34	0	0	0	471	504	-34
1302 Center Stack Assembly (Chrzanowski)	26	0	0	-26	0	236	27	29	-208	-2	0	0	0	872	874	-2
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)	172	30	27	-142	3	2,472	2,205	2,372	-267	-168	0	0	0	3,610	3,778	-168
1305 Ohmic Heating Coil (Chrzanowski)	132	120	176	-12	-56	4,732	3,901	5,399	-830	-1,498	0	0	0	6,009	7,507	-1,498
1306 Inner PF Coils (Chrzanowski)	-155	0	0	155	0	289	305	446	16	-141	0	0	0	843	984	-141
1307 CS Casing Assembly (Chrzanowski)	70	39	53	-31	-14	1,166	884	937	-282	-53	0	0	0	1,384	1,437	-53
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	-21	0	21	74	68	38	-6	30	0	0	0	195	165	31
3300 Bakeout System Mods CSU (Raki)	0	0	0	0	0	5	55	39	50	16	0	0	0	79	63	17
3400 Gas Delivery System Mods (Blanchard)	0	0	1	0	-1	41	39	33	-2	6	0	0	0	102	97	5
4100 Center Stack Diagnostics (Kaika)	34	0	2	-34	-2	524	565	445	41	120	0	0	0	836	716	120
4500 MPTS VV Modification (Labik)	30	37	13	7	24	934	823	1,075	-111	-253	0	0	0	1,137	1,389	-253
5000 CSU Power Systems (Raki)	57	54	65	-3	-11	2,211	2,436	2,311	225	124	0	0	0	5,735	6,083	-348
5200 DCPs (Hatcher)	134	31	55	-104	-24	1,448	877	969	-570	-92	0	0	0	2,523	2,614	-92
5501 Coil Bus Runs (Atnafu)	31	4	21	-28	-18	504	491	437	-13	54	0	0	0	1,586	1,532	54
6100 Control Sys Data Acquisition (Sichta)	2	16	4	14	12	183	303	276	120	27	0	0	0	956	929	27
7200 Center Stack Management (Dudek)	18	18	14	0	4	933	933	920	0	13	0	0	0	1,482	1,469	14
8200 CS & Coil Supt Struct Install (Perry)	117	108	114	-9	-6	2,645	2,614	2,929	-31	-315	0	0	0	7,094	7,409	-315
8210 Field Supervision & Oversight (Perry)	32	32	33	0	-1	681	681	610	0	71	0	0	0	1,426	1,355	71
8250 Remove/Install Centerstack (Perry)	17	0	0	-17	0	114	70	2	-44	68	0	0	0	1,023	954	69
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)	0	0	0	0	0	4	99	61	95	38	0	0	0	99	61	38
2425 BL Relocation (Atnafu)	74	66	14	-9	52	1,251	1,062	748	-188	315	0	0	0	1,803	1,488	315
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)	79	30	47	-50	-17	1,504	1,708	1,248	204	460	0	0	0	1,979	1,519	460
2450 2nd NBI Services (Atnafu)	15	34	58	18	-24	720	1,330	1,259	610	71	0	0	0	4,506	4,676	-170
2460 2nd NBI Armor (Tresemer)	27	18	22	-9	-4	419	618	772	199	-154	0	0	0	761	915	-154
2470 2nd NBI Power (Raki)	72	2	22	-70	-21	486	1,046	843	560	204	0	0	0	3,335	3,343	-8
2475 2nd NBI Controls (Cropper)	118	49	8	-69	-40	1,168	1,499	1,272	331	227	0	0	0	2,611	2,384	228
2480 2nd NBI/TVPS Duct (Blanchard)	46	97	70	52	27	777	1,572	1,613	796	-40	0	0	0	1,952	1,992	-40
2485 Vacuum Pumping System (Blanchard)	0	0	1	0	-1	90	169	237	79	-68	0	0	0	388	456	-69
2490 NTC Equipment Relocations (Perry)	56	8	50	-48	-42	1,578	1,744	1,549	166	195	0	0	0	3,535	3,340	195
7300 NB2 Management (Stevenson)	20	20	21	0	-1	658	658	597	0	61	0	0	0	1,103	1,042	61
7400 Health Physics Support (Stevenson)	34	34	49	0	-15	1,923	1,923	1,175	0	748	0	0	0	2,507	1,760	748
7100 Project Management & Integration (Strykowski)	87	87	107	0	-20	4,310	4,310	4,392	0	-82	0	0	0	6,412	6,494	-82
7710 NSTX-U HP and Other Allocations (Strykowski)	36	36	19	0	17	2,168	2,168	1,759	0	409	0	0	0	2,922	2,513	409
7900 Integrated System (Gentile)	0	0	0	0	0	8	8	4	0	4	0	0	0	78	74	4
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL (Performance Measurement Baseline)	1,770	1,087	1,224	-683	-137	45,686	46,812	47,043	1,126	-231	0	0	0	83,089	84,433	-1,344
f. MANAGEMENT RESERVE														0		
g. TOTAL	1,770	1,087	1,224	-683	-137	45,686	46,812	47,043	1,126	-231	0	0	0	83,089		

CLASSIFICATION (When Filled In)

Baseline

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													FORM APPROVED							
DOLLARS IN Thousands of \$											OMB No. 0704-0188									
The public reporting burden for this collection of information is estimated to average 5.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.																				
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) 2012 / 12 / 01											
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466			b. PHASE CD-3			b. TO (YYYYMMDD) 2012 / 12 / 31											
			c. TYPE M&O			d. SHARE RATIO			c. EVMS ACCEPTANCE NO <input type="checkbox"/> X <input checked="" type="checkbox"/> YES (YYYYMMDD)			2011 / 12 / 20			2012 / 12 / 31					
5. CONTRACT DATA																				
a. ORIGINAL NEGOTIATED COST 77,317			b. NEGOTIATED CONTRACT CHANGES 5,772			c. CURRENT NEGOTIATED COST (a. + b.) 83,089			d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0			e. CONTRACT BUDGET BASE (c. + d.) 83,089			f. TOTAL ALLOCATED BUDGET 0			g. DIFFERENCE (e. - f.) 83,089		
h. CONTRACT START DATE (YYYYMMDD) 2009/02/23			i. CONTRACT DEFINITIZATION DATE (YYYYMMDD)			j. PLANNED COMPLETION DATE (YYYYMMDD) 2015/09/29			k. CONTRACT COMPLETION DATE (YYYYMMDD)			l. ESTIMATED COMPLETION DATE (YYYYMMDD) 2015/09/29								
6. PERFORMANCE DATA																				
Contract Change Number ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)				
			SIX MONTH FORECAST (Enter names of months)						ENTER SPECIFIED PERIODS											
			+1 31JAN2013 (4)	+2 28FEB2013 (5)	+3 31MAR2013 (6)	+4 30APR2013 (7)	+5 31MAY2013 (8)	+6 30JUN2013 (9)	31JUL2013 (10)	31AUG2013 (11)	30SEP2013 (12)	31OCT2013 (13)	30NOV2013 (14)							
a. PERFORMANCE	44,170	2,207	2,528	1,960	1,562	1,790	1,958	1,392	2,092	2,001	1,967	2,917	2,408	0	82,965					
b. BASELINE CHANGES AUTHORIZED DURING REPORTING PERIOD																				
ECP-061															0					
ECP-062															253					
ECP-068															17					
ECP-069															-146					
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	45,686		2,419	2,079	1,584	1,836	1,947	1,439	2,189	2,011	2,118	3,166	2,478	0	83,089					
7. MANAGEMENT RESERVE																				
8. TOTAL																				

CLASSIFICATION (When Filled In)

Report Options
Criteria: Contract Change Number
Calendar: 19 Required Set
Cost Sets: Scheduled

EVM Data as of: 12/31/2012															
Thousands of \$															
WBS[2] OBS[3]	BCWS	BCWP	ACWP	Current Period		Cumulative to Date						At Completion			
				SV	CV	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
1.1 Torus Systems															
1000 CSU Analytical Support (Dudek)	13	13	19	0	-6	357	357	395	0	-39	1.00	0.90	705	744	-39
1001 CS Plasma Facing Components (Tresemmer)	107	-19	12	-126	-31	1,440	1,329	1,106	-111	223	0.92	1.20	2,107	1,884	224
1002 Passive Plate Analysis & Upgrade (Atnafu)	0	0	1	0	-1	442	428	450	-14	-22	0.97	0.95	442	654	-211
1200 Structures & Supports (Smith)	158	36	9	-122	27	2,987	3,331	4,148	344	-817	1.12	0.80	3,765	4,582	-817
1300 Center Stack (Chrzanowski)	58	58	106	0	-48	1,077	1,077	1,186	0	-109	1.00	0.91	1,778	1,887	-109
1301 Outer TF Coils (Chrzanowski)	51	31	31	-20	0	194	163	196	-31	-34	0.84	0.83	471	504	-34
1302 Center Stack Assembly (Chrzanowski)	26	0	0	-26	0	236	27	29	-208	-2	0.12	0.93	872	874	-2
1303 TF Joint Test Stand & Test (CLOSED)	0	0	0	0	0	353	353	225	0	128	1.00	1.57	353	225	128
1304 Inner TF Bundle (Chrzanowski)	172	30	27	-142	3	2,472	2,205	2,372	-267	-168	0.89	0.93	3,610	3,778	-168
1305 Ohmic Heating Coil (Chrzanowski)	132	120	176	-12	-56	4,732	3,901	5,399	-830	-1,498	0.82	0.72	6,009	7,507	-1,498
1306 Inner PF Coils (Chrzanowski)	-155	0	0	155	0	289	305	446	16	-141	1.06	0.68	843	984	-141
1307 CS Casing Assembly (Chrzanowski)	70	39	54	-31	-14	1,166	884	937	-282	-53	0.76	0.94	1,384	1,437	-53
1310 CSU Magnets Systems (CLOSED)	0	0	0	0	0	442	442	442	0	0	1.00	1.00	442	442	0
WBS[2]Totals:	633	309	435	-324	-126	16,186	14,801	17,331	-1,385	-2,530	0.91	0.85	22,782	25,502	-2,720
1.2 Plasma Heating and Current Drive Systems															
2300 ECH Analysis (CLOSED)	0	0	0	0	0	84	84	29	0	55	1.00	2.93	84	29	55
2420 2nd NBI Sources (CLOSED)	0	0	0	0	0	4	99	61	95	38	26.60	1.62	99	61	38
2425 BL Relocation (Atnafu)	74	66	14	-9	52	1,251	1,062	748	-188	315	0.85	1.42	1,803	1,488	315
2430 2nd NBI Decontamination (CLOSED)	0	0	0	0	0	2,057	2,057	2,070	0	-13	1.00	0.99	2,057	2,070	-13
2440 2nd NBI Beamline (Cropper)	79	30	47	-50	-17	1,504	1,708	1,248	204	460	1.14	1.37	1,979	1,519	460
2450 2nd NBI Services (Atnafu)	15	34	58	18	-24	720	1,330	1,259	610	71	1.85	1.06	4,506	4,676	-170
2460 2nd NBI Armor (Tresemmer)	27	18	22	-9	-4	419	618	772	199	-154	1.48	0.80	761	915	-154
2470 2nd NBI Power (Raki)	72	2	22	-70	-21	486	1,046	843	560	204	2.15	1.24	3,335	3,343	-8
2475 2nd NBI Controls (Cropper)	118	49	8	-69	40	1,168	1,499	1,272	331	227	1.28	1.18	2,611	2,384	228
2480 2nd NBI/TVPS Duct (Blanchard)	46	97	70	52	27	777	1,572	1,613	796	-40	2.02	0.98	1,952	1,992	-40
2485 Vacuum Pumping System (Blanchard)	0	0	1	0	-1	90	169	237	79	-68	1.88	0.71	388	456	-69
2490 NTC Equipment Relocations (Perry)	56	8	50	-48	-42	1,578	1,744	1,549	166	195	1.11	1.13	3,535	3,340	195
WBS[2]Totals:	488	303	292	-185	11	10,137	12,989	11,700	2,852	1,289	1.28	1.11	23,110	22,272	838
1.3 Auxiliary Systems															
3200 Water Cooling System Mods (Atnafu)	0	0	-21	0	21	74	68	38	-6	30	0.92	1.81	195	165	31
3300 Bakeout System Mods CSU (Raki)	0	0	0	0	0	5	55	39	50	16	11.51	1.42	79	63	17
3400 Gas Delivery System Mods (Blanchard)	0	0	1	0	-1	41	39	33	-2	6	0.95	1.17	102	97	5
WBS[2]Totals:	0	0	-20	0	20	120	162	109	42	52	1.35	1.48	377	324	52
1.4 Plasma Diagnostics															
4100 Center Stack Diagnostics (Kaita)	34	0	2	-34	-2	524	565	445	41	120	1.08	1.27	836	716	120
4500 MPTS VV Modification (Labik)	30	37	13	7	24	934	823	1,075	-112	-253	0.88	0.77	1,137	1,389	-253
WBS[2]Totals:	64	37	15	-27	22	1,458	1,388	1,520	-71	-133	0.95	0.91	1,972	2,105	-133
1.5 Power Systems															
5000 CSU Power Systems (Raki)	57	54	65	-3	-11	2,211	2,436	2,311	225	124	1.10	1.05	5,735	6,083	-348
5200 DCPS (Hatcher)	134	31	55	-104	-24	1,448	877	969	-570	-92	0.61	0.91	2,523	2,614	-92
5501 Coil Bus Runs (Atnafu)	31	4	21	-28	-18	504	491	437	-13	54	0.97	1.12	1,586	1,532	54
WBS[2]Totals:	223	88	141	-135	-53	4,162	3,804	3,718	-358	87	0.91	1.02	9,844	10,230	-385
1.6 Central Instrumentation & Control															
6100 Control Sys Data Acquisition (Sichta)	2	16	4	14	12	183	303	276	120	27	1.66	1.10	956	929	27
WBS[2]Totals:	2	16	4	14	12	183	303	276	120	27	1.66	1.10	956	929	27
1.7 Project Support & Integration															
7200 Center Stack Management (Dudek)	18	18	14	0	4	933	933	920	0	13	1.00	1.01	1,482	1,469	14
7300 NB2 Management (Stevenson)	20	20	21	0	-1	658	658	597	0	61	1.00	1.10	1,103	1,042	61
7400 Health Physics Support (Stevenson)	34	34	49	0	-15	1,923	1,923	1,175	0	748	1.00	1.64	2,507	1,760	748
7100 Project Management & Integration (Strykowski)	87	87	107	0	-20	4,310	4,310	4,392	0	-82	1.00	0.98	6,412	6,494	-82
7710 NSTX-U HP and Other Allocations (Strykowski)	36	36	19	0	17	2,168	2,168	1,759	0	409	1.00	1.23	2,922	2,513	409
7900 Integrated System (Gentile)	0	0	0	0	0	8	8	4	0	4	1.00	1.96	78	74	4
WBS[2]Totals:	195	195	211	0	-16	9,999	9,999	8,847	0	1,152	1.00	1.13	14,505	13,352	1,152
1.8 Site Preparation and Torus Assembly															
8200 CS & Coil Supt Struct Install (Perry)	117	108	114	-9	-6	2,645	2,614	2,929	-31	-315	0.99	0.89	7,094	7,409	-315
8210 Field Supervision & Oversight (Perry)	32	32	33	0	-1	681	681	610	0	71	1.00	1.12	1,426	1,355	71
8250 Remove/Install Centerstack (Perry)	17	0	0	-17	0	114	70	2	-44	68	0.62	37.74	1,023	954	69
WBS[2]Totals:	166	140	147	-26	-7	3,440	3,366	3,541	-74	-175	0.98	0.95	9,544	9,718	-175
PMB	1,771	1,087	1,224	-683	-137	45,686	46,812	47,043	1,126	-231	1.02	1.00	83,089	84,433	-1,344
MR													0	-1,967	
TAB													83,089	82,466	
													BCWR (=pmb-bcwp)	ETC (=EAC-acwp)	
Neg PEP Variance Threshold exceeded (VAR required)													36,277	35,423	
Pos PEP Variance Threshold exceeded (VAR required)													contingency remaining (94,300-acwp-BCWR)=		
Internal variance requiring a VAR (PM initiated)													10,979		
Negative variance <\$10K													contingency remaining (94,300-acwp-ETC)=		
													11,834		
													30%	33%	
													TPC=	94,300	94,300