

Princeton Plasma Physics Laboratory																
NSTX Upgrade Project																
Cost Performance Report (\$K)																
Current Month: DECEMBER 2010																
	Cumulative								FY 2011 only							
	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	BAC	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	
1.1 Torus Systems																
Job: 1000 - CSU Analytical Support-TITUS	119	101	81	0.85	1.24	(18)	19	386	54	36	17	0.66	2.17	(18)	19	
Job: 1001 - CS Plasma Facing Components-TRESEMER	467	456	431	0.98	1.06	(11)	25	2,170	114	103	78	0.90	1.32	(11)	25	
Job: 1002 - Passive Plate Analysis & Upgrade-TITUS	217	215	183	0.99	1.18	(2)	32	253	47	45	13	0.95	3.50	(2)	32	
Job: 1200-1220 - Structures & Supports-SMITH	1,885	1,864	1,768	0.99	1.05	(21)	96	3,528	258	237	141	0.92	1.69	(21)	96	
Job: 1300 - Center Stack-CHRZANOWSKI	208	223	191	1.07	1.17	15	32	1,065	75	90	58	1.20	1.55	15	32	
Job: 1301 - Outer TF Coils-CHRZANOWSKI	20	20	20	1.00	1.00	0	(0)	338	(0)	(0)	(0)	0.48	1.06	0	(0)	
Job: 1303 - TF Joint Test Stand&Test-KOZUB	194	247	106	1.27	2.33	53	141	353	114	167	26	1.46	6.31	53	141	
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI	447	418	427	0.94	0.98	(29)	(9)	2,596	118	90	98	0.76	0.91	(29)	(9)	
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI	1,438	1,456	1,461	1.01	1.00	17	(5)	4,555	69	87	92	1.25	0.94	17	(5)	
Job: 1306 - Inner PF Coils-CHRZANOWSKI	133	146	126	1.10	1.16	14	20	668	33	47	26	1.41	1.78	14	20	
Job: 1307 - CS Casing Assembly-CHRZANOWSKI	109	125	123	1.14	1.02	16	2	904	16	31	29	2.00	1.08	16	2	
Job: 1310 - CSU Magnet Systems-CHRZANOWSKI	442	442	442	1.00	1.00	0	(0)	442	-	0	0	-	0.92	0	(0)	
Job: 1302 - Center Stack Assembly-CHRZANOWSKI	-	-	26	-	-	-	(26)	990	-	-	26	-	-	-	(26)	
1.1 Subtotal =	5,678	5,712	5,384	1.01	1.06	33	328	18,248	900	933	605	1.04	1.54	33	328	
1.2 Plasma Heating and Current Drive Systems																
Job: 2300 - ECH Analysis-TITUS	43	27	27	0.63	1.00	(16)	0	84	16	0	0	0.02	1.25	(16)	0	
Job: 2420 - 2nd NBI Sources-CROPPER	-	-	-	-	-	-	-	1,094	-	-	-	-	-	-	-	
Job: 2425 - BL Relocation-DENAULT	50	47	46	0.93	1.01	(4)	0	1,859	7	3	3	0.48	1.10	(4)	0	
Job: 2430 - 2nd NBI Decontamination-STEVENSON	2,057	2,057	2,070	1.00	0.99	0	(13)	2,057	18	18	31	1.01	0.58	0	(13)	
Job: 2440 - 2nd NBI Beamline-DENAULT	93	97	61	1.04	1.58	4	36	2,589	52	56	20	1.08	2.75	4	36	
Job: 2450 - 2nd NBI Services-DENAULT	278	271	275	0.97	0.98	(7)	(4)	4,516	12	5	9	0.41	0.53	(7)	(4)	
Job: 2460 - 2nd NBI Armor-PRINISKI	275	278	306	1.01	0.91	4	(27)	700	2	6	33	2.51	0.18	4	(27)	
Job: 2470 - 2nd NBI Power-RAKI	218	219	215	1.00	1.02	1	5	3,334	5	6	1	1.21	7.19	1	5	
Job: 2475 - 2nd NBI Controls-CROPPER	46	37	10	0.81	3.74	(9)	27	2,089	37	29	2	0.77	17.40	(9)	27	
Job: 2480 - 2nd NBI/TVPS Duct-PRINISKI	377	384	390	1.02	0.98	7	(6)	2,258	23	30	36	1.31	0.83	7	(6)	
Job: 2485 - Vacuum Pumping System-PRINISKI	54	50	51	0.93	0.98	(4)	(1)	388	11	7	9	0.67	0.87	(4)	(1)	
Job: 2490 - NTC Equipt Relocations-PERRY	278	278	278	1.00	1.00	0	(0)	3,618	(0)	0	0	(0.03)	0.74	0	(0)	
1.2 Subtotal =	3,768	3,745	3,729	0.99	1.00	(23)	16	24,586	183	160	144	0.87	1.11	(23)	16	
1.3 Auxiliary Systems																
Job: 3200 - Water Cooling System Mods-DENAULT	16	16	18	0.99	0.89	(0)	(2)	195	0	0	2	0.08	0.00	(0)	(2)	
Job: 3300 - Bakeout System Mods for CSU-RAKI	-	-	-	-	-	-	-	79	-	-	-	-	-	-	-	
Job: 3400 - Gas Delivery System Mods-BLANCHARD	3	3	3	1.09	1.00	0	(0)	102	(0)	0	0	(0.10)	0.87	0	(0)	
1.3 Subtotal =	18	18	20	1.01	0.90	0	(2)	377	(0)	0	2	(0.28)	0.01	0	(2)	
1.4 Plasma Diagnostics																
Job: 4100 - Center Stack Diagnostics-KAITA	106	118	125	1.11	0.95	11	(7)	836	15	26	33	1.78	0.79	11	(7)	
Job: 4500 - MPTS VV Modification-LABIK	220	210	223	0.95	0.94	(11)	(14)	967	95	84	98	0.89	0.86	(11)	(14)	
1.4 Subtotal =	327	327	348	1.00	0.94	1	(21)	1,803	110	111	131	1.01	0.84	1	(21)	
1.5 Power Systems																
Job: 5000 - 5008 - CSU Power Systems-RAKI	1,184	1,169	1,165	0.99	1.00	(15)	4	5,735	45	30	26	0.66	1.16	(15)	4	
Job: 5200 - DCPS - Hatcher	170	168	146	0.99	1.16	(2)	23	2,493	87	85	62	-	-	(2)	23	
Job: 5501 - Coil Bus Runs-SMITH	218	221	236	1.01	0.94	3	(15)	1,129	33	36	51	1.09	0.71	3	(15)	
1.5 Subtotal =	1,573	1,559	1,547	0.99	1.01	(14)	12	9,357	165	151	139	0.92	1.09	(14)	12	
1.6 Central Instrumentation & Control																
Job: 6100 - Control Sys Data Acquisition -SICHTA	50	46	45	0.93	1.03	(4)	1	918	10	6	5	0.61	1.29	(4)	1	
1.6 Subtotal =	50	46	45	0.93	1.03	(4)	1	918	10	6	5	0.61	1.29	(4)	1	
1.7 Project Support & Integration																
Job: 7100 - Project Mgt & Integration-STRYKOWSKY	1,602	1,602	1,547	1.00	1.04	0	56	5,812	195	195	140	1.00	1.40	0	56	
Job: 7200 - Center Stack Management-DUDEK	323	323	284	1.00	1.14	0	39	1,539	100	101	62	1.00	1.63	0	39	
Job: 7300 - NB2 Management-STEVENSON	305	305	247	1.00	1.24	(0)	58	1,450	105	104	46	1.00	2.25	(0)	58	
Job: 7400 - Health Physics Support-STEVENSON	503	505	417	1.00	1.21	2	88	2,507	116	119	30	1.02	3.91	2	88	
Job: 7700 - NSTX-U HP Allocations-STRYKOWSKY	902	902	868	1.00	1.04	(0)	34	2,604	82	82	48	1.00	1.71	(0)	34	
Job: 7710 - Upgrade Allocations-STRYKOWSKY	350	349	344	1.00	1.01	(0)	5	382	7	7	2	0.94	3.69	(0)	5	
Job: 7900 - Integrated System-GENTILE	4	4	4	1.02	1.11	0	0	78	0	0	(0)	1.33	(9.15)	0	0	
1.7 Subtotal =	3,989	3,991	3,710	1.00	1.08	2	280	14,371	607	608	328	1.00	1.86	2	280	
1.8 Site Preparation and Torus Assembly																
Job: 8200 - CS & Coil Sprt Struc Install- VIOLA	50	53	46	1.07	1.16	3	7	6,474	11	14	7	1.30	2.07	3	7	
Job: 8250 - Remove/Install Centerstack-PERRY	-	-	-	-	-	-	-	1,173	-	-	-	-	-	-	-	
1.8 Subtotal =	50	53	46	1.07	1.16	3	7	7,648	11	14	7	1.30	2.07	3	7	
Total Project =	15,453	15,451	14,829	1.00	1.04	(1)	622	77,308	1,984	1,983	1,361	1.00	1.46	(1)	622	
Contingency =								16,992								
TPC =								94,300								