

**Princeton Plasma Physics Laboratory
NSTX Upgrade Project
Cost Performance Report (\$K)**

Current Month: DECEMBER 2010

	Cumulative							Current Month									FY 2011 only							
	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	BAC	EAC	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	
1.1 Torus Systems																								
Job: 1000 - CSU Analytical Support-TITUS	119.1	100.8	81.4	0.85	1.24	(18)	19	16.0	1.9	6.7	0.12	0.28	(14)	(5)	386	386	54	36	16.7	0.66	2.17	(18)	19	
Job: 1001 - CS Plasma Facing Components-TRESEMER	467.0	456.0	430.8	0.98	1.06	(11)	25	16.6	38.1	27.2	2.30	1.40	22	11	2,170	2,170	114	103	78.0	0.90	1.32	(11)	25	
Job: 1002 - Passive Plate Analysis & Upgrade-TITUS	217.3	214.9	182.8	0.99	1.18	(2)	32	13.8	0.7	3.3	0.05	0.21	(13)	(3)	253	253	47	45	12.9	0.95	3.50	(2)	32	
Job: 1200-1220 - Structures & Supports-SMITH	1,885.1	1,863.8	1,767.5	0.99	1.05	(21)	96	83.5	82.0	49.8	0.98	1.65	(1)	32	3,528	3,528	258	237	140.5	0.92	1.69	(21)	96	
Job: 1300 - Center Stack-CHRZANOWSKI	207.5	222.7	190.9	1.07	1.17	15	32	22.0	18.8	24.5	0.85	0.77	(3)	(6)	1,065	1,065	75	90	58.3	1.20	1.55	15	32	
Job: 1301 - Outer TF Coils-CHRZANOWSKI	19.8	19.9	19.9	1.00	1.00	0	(0)	-	-	-	-	-	-	-	338	338	(0)	(0)	(0.0)	0.48	1.06	0	(0)	
Job: 1303 - TF Joint Test Stand&Test-KOZUB	193.9	246.8	106.1	1.27	2.33	53	141	33.5	125.7	7.4	3.75	16.98	92	118	353	353	114	167	26.5	1.46	6.31	53	141	
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI	446.5	417.9	426.5	0.94	0.98	(29)	(9)	30.2	16.5	27.1	0.55	0.61	(14)	(11)	2,596	2,596	118	90	98.3	0.76	0.91	(29)	(9)	
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI	1,438.4	1,455.8	1,461.3	1.01	1.00	17	(5)	18.0	27.2	33.5	1.51	0.81	9	(6)	4,555	4,555	69	87	92.3	1.25	0.94	17	(5)	
Job: 1306 - Inner PF Coils-CHRZANOWSKI	132.5	146.2	125.7	1.10	1.16	14	20	19.1	26.3	6.7	1.38	3.94	7	20	668	668	33	47	26.2	1.41	1.78	14	20	
Job: 1307 - CS Casing Assembly-CHRZANOWSKI	109.4	125.1	122.8	1.14	1.02	16	2	4.6	9.2	24.9	1.99	0.37	5	(16)	904	904	16	31	29.1	2.00	1.08	16	2	
Job: 1310 - CSU Magnet Systems-CHRZANOWSKI	441.9	441.9	441.9	1.00	1.00	0	(0)	-	-	-	-	-	-	-	442	442	-	0	0.0	-	0.92	0	(0)	
Job: 1302 - Center Stack Assembly-CHRZANOWSKI	-	-	26.4	-	-	-	(26)	-	-	2.3	-	-	-	(2)	990	990	-	-	26.4	-	-	-	(26)	
1.1 Subtotal =	5,678.4	5,711.8	5,383.9	1.01	1.06	33	328	257.3	346.3	213.4	1.35	1.62	89	133	18,248	18,248	900	933	605.1	1.04	1.54	33	328	
1.2 Plasma Heating and Current Drive Systems																								
Job: 2300 - ECH Analysis-TITUS	42.8	26.9	26.9	0.63	1.00	(16)	0	4.8	0.0	-	0.00	-	(5)	0	84	84	16	0	0.3	0.02	1.25	(16)	0	
Job: 2420 - 2nd NBI Sources-CROPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,094	1,094	-	-	-	-	-	-	-	
Job: 2425 - BL Relocation-DENAULT	50.3	46.7	46.4	0.93	1.01	(4)	0	9.4	0.0	0.3	0.00	0.04	(9)	(0)	1,859	1,859	7	3	3.1	0.48	1.10	(4)	0	
Job: 2430 - 2nd NBI Decontamination-STEVENSON	2,056.8	2,057.0	2,069.9	1.00	0.99	0	(13)	-	0.0	6.3	-	0.00	0	(6)	2,057	2,057	18	18	30.9	1.01	0.58	0	(13)	
Job: 2440 - 2nd NBI Beamline-DENAULT	92.6	96.6	60.9	1.04	1.58	4	36	19.9	17.8	4.2	0.90	4.26	(2)	14	2,589	2,589	52	56	20.3	1.08	2.75	4	36	
Job: 2450 - 2nd NBI Services-DENAULT	277.8	270.8	275.1	0.97	0.98	(7)	(4)	3.4	(0.0)	1.9	(0.00)	(0.00)	(3)	(2)	4,516	4,516	12	5	9.1	0.41	0.53	(7)	(4)	
Job: 2460 - 2nd NBI Armor-PRINISKI	274.6	278.2	305.7	1.01	0.91	4	(27)	0.7	1.3	1.5	1.88	0.86	1	(0)	700	700	2	6	33.5	2.51	0.18	4	(27)	
Job: 2470 - 2nd NBI Power-RAKI	218.4	219.3	214.6	1.00	1.02	1	5	1.4	1.3	-	0.94	-	(0)	1	3,334	3,334	5	6	0.8	1.21	7.19	1	5	
Job: 2475 - 2nd NBI Controls-CROPPER	45.5	36.9	9.8	0.81	3.74	(9)	27	25.3	13.1	-	0.52	-	(12)	13	2,089	2,089	37	29	1.6	0.77	17.40	(9)	27	
Job: 2480 - 2nd NBI/TVPS Duct-PRINISKI	377.2	384.1	390.3	1.02	0.98	7	(6)	8.3	5.4	8.7	0.65	0.62	(3)	(3)	2,258	2,258	23	30	35.7	1.31	0.83	7	(6)	
Job: 2485 - Vacuum Pumping System-PRINISKI	53.9	50.2	51.3	0.93	0.98	(4)	(1)	2.0	(8.2)	5.8	(4.09)	(1.41)	(10)	(14)	388	388	11	7	8.6	0.67	0.87	(4)	(1)	
Job: 2490 - NTC Equipt Relocations-PERRY	278.0	278.2	278.2	1.00	1.00	0	(0)	-	0.0	-	-	-	0	0	3,618	3,618	(0)	0	0.0	(0.03)	0.74	0	(0)	
1.2 Subtotal =	3,767.9	3,745.0	3,729.1	0.99	1.00	(23)	16	75.2	30.9	28.7	0.41	1.08	(44)	2	24,586	24,586	183	160	143.9	0.87	1.11	(23)	16	
1.3 Auxiliary Systems																								
Job: 3200 - Water Cooling System Mods-DENAULT	15.7	15.6	17.5	0.99	0.89	(0)	(2)	-	(0.0)	0.5	-	(0.00)	(0)	(1)	195	195	0	0	1.9	0.08	0.00	(0)	(2)	
Job: 3300 - Bakeout System Mods for CSU-RAKI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	79	-	-	-	-	-	-	-	
Job: 3400 - Gas Delivery System Mods-BLANCHARD	2.5	2.7	2.7	1.09	1.00	0	(0)	-	-	-	-	-	-	-	102	102	(0)	0	0.0	(0.10)	0.87	0	(0)	
1.3 Subtotal =	18.2	18.3	20.3	1.01	0.90	0	(2)	-	(0.0)	0.5	-	(0.00)	(0)	(1)	377	377	(0)	0	2.0	(0.28)	0.01	0	(2)	
1.4 Plasma Diagnostics																								
Job: 4100 - Center Stack Diagnostics-KAITA	106.4	117.8	124.6	1.11	0.95	11	(7)	6.8	6.0	12.3	0.89	0.49	(1)	(6)	836	836	15	26	32.9	1.78	0.79	11	(7)	
Job: 4500 - MPTS VV Modification-LABIK	220.3	209.6	223.5	0.95	0.94	(11)	(14)	33.6	25.1	35.9	0.75	0.70	(9)	(11)	967	967	95	84	98.4	0.89	0.86	(11)	(14)	
1.4 Subtotal =	326.7	327.4	348.0	1.00	0.94	1	(21)	40.4	31.1	48.2	0.77	0.65	(9)	(17)	1,803	1,803	110	111	131.2	1.01	0.84	1	(21)	
1.5 Power Systems																								
Job: 5000 - 5008 - CSU Power Systems-RAKI	1,184.3	1,169.2	1,165.0	0.99	1.00	(15)	4	29.4	11.0	5.3	0.37	2.08	(18)	6	5,735	5,735	45	30	25.7	0.66	1.16	(15)	4	
Job: 5200 - DCPS - Hatcher	170.1	168.4	145.6	0.99	1.16	(2)	23	42.1	61.5	34.5	1.46	1.78	19	27	2,493	2,493	87	85	62.2	-	-	(2)	23	
Job: 5501 - Coil Bus Runs-SMITH	218.3	221.2	236.2	1.01	0.94	3	(15)	9.9	5.5	21.6	0.55	0.25	(4)	(16)	1,129	1,129	33	36	51.2	1.09	0.71	3	(15)	
1.5 Subtotal =	1,572.7	1,558.8	1,546.8	0.99	1.01	(14)	12	81.4	77.9	61.4	0.96	1.27	(3)	17	9,357	9,357	165	151	139	0.92	1.09	(14)	12	
1.6 Central Instrumentation & Control																								
Job: 6100 - Control Sys Data Acquisition-SICHTA	50.2	46.5	45.2	0.93	1.03	(4)	1	8.4	4.2	2.3	0.50	1.83	(4)	2	918	918	10	6	4.5	0.61	1.29	(4)	1	
1.6 Subtotal =	50.2	46.5	45.2	0.93	1.03	(4)	1	8.4	4.2	2.3	0.50	1.83	(4)	2	918	918	10	6	4.5	0.61	1.29	(4)	1	
1.7 Project Support & Integration																								
Job: 7100 - Project Mgt & Integration-STRYKOWSKY	1,602.2	1,602.2	1,546.6	1.00	1.04	0	56	57.2	57.2	52.1	1.00	1.10	0	5	5,812	5,812	195	195	139.7	1.00	1.40	0	56	
Job: 7200 - Center Stack Management-DUDEK	322.5	322.8	284.0	1.00	1.14	0	39	15.1	48.0	17.5	3.18	2.75	33	31	1,539	1,539	100	101	61.8	1.00	1.63	0	39	
Job: 7300 - NB2 Management-STEVENSON	305.2	304.8	246.7	1.00	1.24	(0)	58	7.7	86.0	10.7	11.17	8.05	78	75	1,450	1,450	105	104	46.4	1.00	2.25	(0)	58	
Job: 7400 - Health Physics Support-STEVENSON	502.8	505.2	416.8	1.00	1.21	2	88	34.8	34.8	9.6	1.00	3.63	0	25	2,507	2,507	116	119	30.3	1.02	3.91	2	88	
Job: 7700 - NSTX-U HP Allocations-STRYKOWSKY	901.8	901.7	867.6	1.00	1.04	(0)	34	24.0	24.0	18.1	1.00	1.33	0	6	2,604	2,604	82	82	47.9	1.00	1.71	(0)	34	
Job: 7710 - Upgrade Allocations-STRYKOWSKY	349.9	349.5	344.5	1.00	1.01	(0)	5	2.0	2.0	-	1.01	-	0	2	382	382	7	7	1.9	0.94	3.69	(0)	5	
Job: 7900 - Integrated System-GENTILE	4.3	4.4	4.0	1.02	1.11	0	0	0.1	0.1	-	1.31	-	0	0	78	78	0	0	(0.0)	1.33	(9.15)	0	0	
1.7 Subtotal =	3,988.7	3,990.6	3,710.2	1.00	1.08	2	280	140.9	252.2	108.0	1.79	2.34	111	144	14,371	14,371	607	608	328.0	1.00	1.86	2	280	
1.8 Site																								