Princeton Plasma Physics Laboratory
NSTX Upgrade Project
Cost Performance Report ($K)
Current Month: NOVEMBER 2010

	Cumulative							Current Month										FY 2011 only					
	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	BCWS	BCWP	ACWP	SPI	CPI	SV	CV	BAC	EAC	BAC-EAC	BCWS	BCWP	ACWP	SPI	CPI	Budget
1.1 Torus Systems																							
Job: 1000 - CSU Analytical Support-TITUS	103	99	75	0.96	1.33	(4.1)	24.3	19	11	7	0.59	1.66	(7.7)	4.4	386	386	-	38.4	34.3	10.0	0.89	3.43	147.1
Job: 1001 - CS Plasma Facing Components-TRESEMER	466	418	404	0.90	1.04	(47.6)	14.3	62	33	29	0.53	1.12	(29.0)	3.5	2,175	2,175	-	112.7	65.1	50.8	0.58	1.28	461.5
Job: 1002 -Passive Plate Analysis &Upgrade-TITUS	204	214	179	1.05	1.19	10.7	34.8	16	6	4	0.38	1.43	(10.1)	1.9	253	253	-	33.6	44.3	9.5	1.32	4.65	83.3
Job: 1200-1220 - Structures & Supports-SMITH	1,799	1,782	1,718	0.99	1.04	(17.0)	64.0	98	81	54	0.83	1.50	(16.8)	27.0	3,524	3,524	-	171.8	154.8	90.7	0.90	1.71	633.3
Job: 1300 - Center Stack-CHRZANOWSKI	186	204	166	1.10	1.23	18.5	37.5	26	22	20	0.84	1.07	(4.1)	1.4	1,065	1,065	-	52.9	71.4	33.8	1.35	2.11	299.7
Job: 1301 - Outer TF Coils-CHRZANOWSKI	20	20	20	1.00	1.00	0.1	(0.0)	-	-	-	-	-	-	-	338	338	-	(0.1)	(0.0)	(0.0)	0.48	1.06	0
Job: 1303 - TF Joint Test Stand&Test-KOZUB	160	121	99	0.76	1.23	(39.3)	22.4	39	21	8	0.53	2.44	(18.7)	12.2	353	353	-	80.8	41.5	19.1	0.51	2.18	273.7
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI	416	401	399	0.96	1.00	(14.9)	2.0	24	31	55	1.27	0.56	6.5	(23.9)	2,596	2,596	-	88.1	73.2	71.2	0.83	1.03	869
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI	1,421	1,429	1,428	1.01	1.00	8.1	0.8	25	35	34	1.41	1.02	10.0	0.8	4,557	4,557	-	51.5	59.6	58.8	1.16	1.01	406.7
Job: 1306 - Inner PF Coils-CHRZANOWSKI	113	120	119	1.06	1.01	6.5	0.8	7	12	13	1.80	0.93	5.5	(0.9)	668	668	-	13.9	20.4	19.6	1.47	1.04	75.1
Job: 1307 - CS Casing Assembly -CHRZANOWSKI	105	116	98	1.11	1.18	11.2	18.1	5	11	4	2.10	2.72	5.9	7.2	904	904	-	11.1	22.3	4.2	2.01	5.33	73
Job: 1310 - CSU Magnet Systems-CHRZANOWSKI	442	442	442	1.00	1.00	0.0	(0.0)	-	-	-	-	-	-	-	442	442	-	-	0.0	0.0	-	0.92	0
Job: 1302 - Center Stack Assembly-CHRZANOWSKI	-	-	24	-	-	-	(24.0)	-	-	24	-	-	-	(24.0)	990	990	-	-	-	24.0	-	-	0
1.1 Subtotal =	**5,434**	**5,365**	**5,170**	**0.99**	**1.04**	**(68.0)**	**195.0**	**321**	**262**	**253**	**0.82**	**1.04**	**(58.5)**	**9.5**	**18,250**	**18,250**	**-**	**654.7**	**586.7**	**391.7**	**0.90**	**1.50**	**3,322**
1.2 Plasma Heating and Current Drive Systems																		-	-	-	-	-	
Job: 2300 - ECH Analysis-TITUS	46	27	27	0.59	1.00	(18.9)	0.1	12	1	-	0.10	-	(10.6)	1.2	84	84	-	19.2	0.3	0.3	0.02	1.25	57.8
Job: 2420 - 2nd NBI Sources-CROPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,094	1,094	-	-	-	-	-	-	3.7
Job: 2425 - BL Relocation-DENAULT	58	47	46	0.80	1.01	(11.5)	0.6	7	3	1	0.38	2.04	(4.5)	1.4	1,859	1,859	-	14.8	3.3	2.8	0.23	1.20	57.9
Job: 2430 - 2nd NBI Decontamination-STEVENSON	2,057	2,057	2,064	1.00	1.00	(0.2)	(6.6)	-	-	6	-	-	-	(6.0)	2,057	2,057	-	18.2	18.0	24.7	0.99	0.73	18
Job: 2440 - 2nd NBI Beamline-DENAULT	73	79	57	1.08	1.39	5.7	22.0	24	26	12	1.12	2.18	2.9	14.3	2,588	2,588	-	32.4	38.1	16.2	1.18	2.36	494.7
Job: 2450 - 2nd NBI Services-DENAULT	277	271	273	0.98	0.99	(6.1)	(2.3)	6	2	4	0.42	0.54	(3.2)	(2.0)	4,516	4,516	-	10.9	4.8	7.1	0.44	0.67	86.3
Job: 2460 - 2nd NBI Armor-PRINISKI	277	277	304	1.00	0.91	(0.4)	(27.3)	4	1	22	0.25	0.05	(3.0)	(21.4)	700	700	-	5.1	4.7	32.0	0.92	0.15	119.2
Job: 2470 - 2nd NBI Power-RAKI	217	218	215	1.01	1.02	1.1	3.5	2	2	1	1.00	2.14	0.0	0.9	3,335	3,335	-	3.1	4.2	0.8	1.36	5.48	39.1
Job: 2475 - 2nd NBI Controls-CROPPER	20	24	10	1.19	2.41	3.7	13.9	6	7	-	1.14	-	0.8	6.6	2,089	2,089	-	11.8	15.5	1.6	1.31	9.42	240.5
Job: 2480 - 2nd NBI/TVPS Duct-PRINISKI	369	379	382	1.03	0.99	9.6	(2.9)	10	23	10	2.36	2.28	13.4	13.0	2,259	2,259	-	14.5	24.1	27.0	1.66	0.89	103.8
Job: 2485 - Vacuum Pumping System-PRINISKI	48	58	45	1.21	1.28	10.2	12.9	3	6	3	2.40	1.98	3.6	3.1	388	388	-	5.5	15.7	2.8	2.85	5.69	47.2
Job: 2490 - NTC Equipt Relocations-PERRY	278	278	278	1.00	1.00	(0.1)	(0.0)	-	-	-	-	-	-	-	3,618	3,618	-	0.1	0.0	0.0	0.04	0.49	2.8
1.2 Subtotal =	**3,721**	**3,714**	**3,700**	**1.00**	**1.00**	**(6.7)**	**13.7**	**72**	**71**	**60**	**0.99**	**1.18**	**(0.5)**	**11.1**	**24,586**	**24,586**	**-**	**135.6**	**128.9**	**115.2**	**0.95**	**1.12**	**1,271**
1.3 Auxiliary Systems																		-	-	-	-	-	
Job: 3200 - Water Cooling System Mods-DENAULT	34	16	17	0.46	0.92	(18.7)	(1.4)	7	-	1	-	-	(7.2)	(1.4)	195	195	-	18.7	0.0	1.4	0.00	0.01	58.4
Job: 3300 - Bakeout System Mods for CSU-RAKI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	79	-	-	-	-	-	-	4.8
Job: 3400 - Gas Delivery System Mods-BLANCHARD	3	3	3	1.09	1.00	0.2	(0.0)	-	-	-	-	-	-	-	102	102	-	(0.2)	0.0	0.0	(0.10)	0.87	38.3
1.3 Subtotal =	**37**	**18**	**20**	**0.50**	**0.93**	**(18.5)**	**(1.4)**	**7**	**-**	**1**	**-**	**-**	**(7.2)**	**(1.4)**	**376**	**376**	**-**	**18.5**	**0.0**	**1.4**	**0.00**	**0.02**	**102**
1.4 Plasma Diagnostics																		-	-	-	-	-	
Job: 4100 - Center Stack Diagnostics-KAITA	92	112	112	1.22	1.00	19.9	(0.5)	-	20	14	-	1.47	20.1	6.5	836	836	-	0.2	20.1	20.6	100.39	0.98	91.4
Job: 4500 - MPTS VV Modification-LABIK	186	184	188	0.99	0.98	(1.8)	(3.1)	37	54	39	1.47	1.39	17.1	15.1	942	942	-	61.2	59.4	62.4	0.97	0.95	510
1.4 Subtotal =	**278**	**296**	**300**	**1.06**	**0.99**	**18.1**	**(3.6)**	**37**	**74**	**52**	**2.02**	**1.41**	**37.2**	**21.5**	**1,778**	**1,778**	**-**	**61.4**	**79.5**	**83.0**	**1.29**	**0.96**	**601**
1.5 Power Systems																		-	-	-	-	-	
Job: 5000 - 5008 - CSU Power Systems-RAKI	1,155	1,158	1,160	1.00	1.00	3.1	(1.5)	8	8	12	0.99	0.61	(0.1)	(4.8)	5,735	5,735	-	15.8	18.9	20.4	1.20	0.93	312.1
Job: 5200 - DCPS - Hatcher	128	107	111	0.84	0.96	(20.8)	(4.2)	40	24	23	0.59	1.01	(16.4)	0.3	2,493	2,493		44.3	23.5	27.7			363.1
Job: 5501 - Coil Bus Runs-SMITH	216	216	215	1.00	1.01	(0.4)	1.2	15	31	19	2.02	1.62	15.5	11.8	1,128	1,128	-	31.1	30.7	29.6	0.99	1.04	192.5
1.5 Subtotal =	**1,499**	**1,481**	**1,485**	**0.99**	**1.00**	**(18.0)**	**(4.5)**	**63**	**62**	**54**	**0.98**	**1.13**	**(1.0)**	**7.2**	**9,357**	**9,357**	**-**	**91.2**	**73.2**	**77.7**	**0.80**	**0.94**	**868**
1.6 Central Instrumentation & Control																		-	-	-	-	-	
Job: 6100 - Control Sys Data Acquisition -SICHTA	42	42	43	1.01	0.99	0.5	(0.6)	1	1	1	0.91	0.46	(0.1)	(0.7)	918	918	-	1.1	1.6	2.2	1.41	0.71	127.7
1.6 Subtotal =	**42**	**42**	**43**	**1.01**	**0.99**	**0.5**	**(0.6)**	**1**	**1**	**1**	**0.91**	**0.46**	**(0.1)**	**(0.7)**	**918**	**918**	**-**	**1.1**	**1.6**	**2.2**	**1.41**	**0.71**	**128**
1.7 Project Support & Integration																		-	-	-	-	-	
Job: 7100 - Project Mgt & Integration-STRYKOWSKY	1,546	1,545	1,494	1.00	1.03	(0.5)	50.5	68	67	47	1.00	1.43	(0.27)	20.32	5,812	5,812	-	138.6	138.1	87.6	1.00	1.58	841.7
Job: 7200 - Center Stack Management-DUDEK	276	275	267	1.00	1.03	(0.8)	8.3	26	26	21	0.98	1.23	(0.56)	4.78	1,540	1,540	-	53.4	52.6	44.3	0.98	1.19	320.7
Job: 7300 - NB2 Management-STEVENSON	219	219	236	1.00	0.93	(0.6)	(17.2)	9	9	18	0.98	0.52	(0.15)	(8.47)	1,450	1,450	-	19.1	18.5	35.7	0.97	0.52	269.5
Job: 7400 - Health Physics Support-STEVENSON	468	470	407	1.00	1.16	2.0	63.1	41	41	15	1.00	2.66	(0.19)	25.51	2,507	2,507	-	81.9	83.9	20.7	1.02	4.04	511.3
Job: 7700 - NSTX-U HP Allocations-STRYKOWSKY	878	878	850	1.00	1.03	(0.3)	28.2	28	28	19	1.00	1.52	0.05	9.61	2,604	2,604	-	58.3	58.0	29.8	0.99	1.95	353.2
Job: 7710 - Upgrade Allocations-STRYKOWSKY	348	347	344	1.00	1.01	(0.2)	3.0	2	2	2	0.99	1.28	(0.02)	0.51	382	382	-	5.0	4.8	1.9	0.97	2.60	29.7
Job: 7900 - Integrated System-GENTILE	4	4	4	0.94	1.00	(0.2)	(0.0)	0	-	-	-	-	(0.10)	-	78	78	-	0.2	(0.0)	(0.0)	(0.22)	1.01	1.5
1.7 Subtotal =	**3,739**	**3,738**	**3,602**	**1.00**	**1.04**	**(0.7)**	**135.9**	**175**	**174**	**121**	**0.99**	**1.43**	**(1.25)**	**52.27**	**14,371**	**14,371**	**-**	**356.5**	**355.8**	**220.0**	**1.00**	**1.62**	**2,328**
1.8 Site Preparation and Torus Assembly																		-	-	-	-	-	
Job; 8200 - CS & Coil Sprt Struc Install- VIOLA	47	**50**	43	1.08	1.17	3.7	7.3	4	3	4	0.90	0.81	(0.4)	(0.8)	6,474	6,474	-	7.9	11.6	4.2	1.46	2.75	46.5
Job: 8250 - Remove/Install Centerstack-PERRY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,174	1,174	-	-	-	-	-	-	0
1.8 Subtotal =	**47**	**50**	**43**	**1.08**	**1.17**	**3.7**	**7.3**	**4**	**3**	**4**	**0.90**	**0.81**	**(0.4)**	**(0.8)**	**7,648**	**7,648**	**-**	**7.9**	**11.6**	**4.2**	**1.46**	**2.75**	**47**
Total Project =	**14,795**	**14,705**	**14,364**	**0.99**	**1.02**	**(90)**	**342**	**678**	**646**	**548**	**0.95**	**1.18**	**(32)**	**99**	**77,284**	**77,284**	**-**	**1,327**	**1,237**	**895**	**0.93**	**1.38**	**8,666**
Contingency =															**16,992**	**16,992**							
TPC =															**94,276**	**94,276**							