

Activity ID	Activity Name	Original Duration	Act % Comp	Start	Finish	BL Finish	Budgeted Total Cost	Total Float	2014												2015											
									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
NSTX Upgrade Project																																
Job: 1001 - CS Plasma Facing Components-TRESEMER																																
Fabrication / Assembly																																
ECP-037 CHI Gap Tiles																																
1001-0098A	Troubleshoot during edge tile install	0	25%	23-Aug-13 A	23-Sep-14	07-Jan-14	\$0.00	-28	EM//EM=40 ; EM//TB=120 ; EA//ES=40																							
1001-0097E	1st batch of tile pre-Assly with hardware (bagge)	0	50%	17-Mar-14 A	24-Jul-14	15-Aug-13	\$0.00	-41	EM//EM=10 ; EM//TB=120																							
1001-0097H	2nd batch of tile pre-Assly with hardware (bagge)	0	25%	24-Mar-14 A	22-Aug-14	05-Nov-13	\$0.00	-41	EM//EM=10 ; EM//TB=50																							
1001-0097F	1st batch of tile to CS Installation	22	0%	25-Jul-14	25-Aug-14	15-Oct-13	\$3,189.28	-9	EM//EM=8 ; EM//TB=16																							
1001-0097I	2nd batch of tiles to CS Installation	33	0%	25-Aug-14	09-Oct-14	17-Dec-13	\$14,664.28	-41	EM//EM=8 ; EM//TB=16																							
1001-0098B	Tile refit, as needed, additional machining (during edge tile install)	2	0%	20-Oct-14	21-Oct-14	18-Feb-14	\$45,140.00	-48	EM//EM=40 ; EM//TB=240 ; EA//ES=120																							
Job: 1002 -Passive Plate Analys & Upgrade-ATNAFU																																
CLOSING																																
ECP-095																																
1002-0101V	Update drawings and procedure/archive	3	0%	25-Aug-14	27-Aug-14	05-Aug-14	\$7,588.64	-9	EM//EM= 16; EA//TB= 40																							
Installation																																
ECP-095																																
1002-0101S	Surface finish and modification	5	0%	28-Jul-14	01-Aug-14	30-Jun-14	\$7,240.64	-9	EM//EM= 16 ; EM//TB= 40																							
1002-0101T	Vacuum Prep the PP	5	0%	04-Aug-14	08-Aug-14	08-Jul-14	\$8,015.84	-9	EM//EM= 8 ; EM//TB= 40 ; EM//SB= 16																							
1002-0101U	Install the PP	10	0%	11-Aug-14	22-Aug-14	22-Jul-14	\$41,057.04	-9	EM//EM= 16 ; EM//TB= 240 ; EM//SB= 20																							
Procurement																																
ECP-095																																
1002-0101Q	Procurement Award for Fabrication	37	10%	11-Mar-14 A	25-Jul-14	23-Jun-14	\$113,231.20	-9	EM//EM=80 ; 41=\$115,000 ; 35= \$3,000																							
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI																																
Supports for OTF Jumpers																																
Other Inner TF Bundle Hardware																																
1304-1154A	Fab/Deliver Supports for OTF Jumpers	19	50%	28-Apr-14 A	07-Jul-14	28-Feb-13	\$278,100.00	-27	41=\$206,000																							
OTF Lead Ext (OTF to Flex)																																

Primary Baseline
 Remaining Work
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	Original Duration	Act % Comp	Start	Finish	BL Finish	Budgeted Total Cost	Total Float	2014												2015											
									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
Other Inner TF Bundle Hardware																																
1304-1145A	Fab & Del OTF Lead Ext (OTF to Flex) (Martinez & Turek ECP-117)	0	0%	02-Jun-14 A	07-Jul-14	01-Mar-13	\$0.00	-28	41=\$197,910																							
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI																																
CS High Bay																																
TF/OH Fabrication																																
1305-8400	Cleanup OH coil	4	25%	02-Jul-14 A	19-Jul-14	10-Dec-13	\$16,164.00	-96	EM//TB=150																							
1305-8500	Silverplate all electrical surfaces (OH/TF) (cont 2 shift)	3	5%	07-Jul-14 A	12-Jul-14	13-Dec-13	\$2,586.24	-90	EM//TB=24																							
1305-8700	Remove aquapour between OH and TF (cont 2 shift)	8	0%	21-Jul-14	29-Jul-14	02-Jan-14	\$31,034.88	-96	EM//TB=288																							
1305-8600	Perform Final OH electrical tests	2	0%	30-Jul-14	31-Jul-14	16-Dec-13	\$3,448.32	-96	EM//TB=32																							
1305-8700B	Lower/Remove steel crowns	2	0%	01-Aug-14	02-Aug-14		\$0.00	-96																								
1305-8800B	Apply wet layup around U/L crown regions (cont 2 shift)	3	0%	04-Aug-14	06-Aug-14	14-May-14	\$9,698.40	-96	EM//TB=90																							
1305-8800A	Install Upper & Lower Crowns (cont 2 shift)	10	0%	07-Aug-14	18-Aug-14	24-Jan-14	\$34,483.20	-96	EM//TB=320																							
1305-8800E	Install upper silicone band between OH/TF (cont 2 shift)	2	0%	19-Aug-14	20-Aug-14	23-May-14	\$4,310.40	-95	EM//TB=40																							
1305-8800F	Install belleville washer assly & reinst lwr sup (cont 2 shift)	3	0%	19-Aug-14	21-Aug-14	28-May-14	\$12,931.20	-96	EM//TB=120																							
1305-8800G	Install U/L TF fittings and bulkhead	4	0%	22-Aug-14	26-Aug-14	13-May-14	\$16,164.00	-96	EM//TB=150																							
1305-8800H	Hydrostat TF fittings	2	0%	27-Aug-14	28-Aug-14	13-May-14	\$4,310.40	-96	EM//TB=40																							
Job: 1307 - CS Casing Assembly -CHRZANOWSKI																																
Fabrication / Assembly																																
No group																																
1307-3010	Assemble & Test Ceramic Breaks on PF1C LOWER	0	50%	05-May-14 A	18-Jul-14	20-May-13	\$31,539.20	-76	EM//SM=40 ; EM//TB =200 ; 41 = 2,000 																							
1307-3011	Assemble & Test Ceramic Breaks on PF1C UPPER	10	0%	07-Jul-14	18-Jul-14		\$31,539.20	-36	EM//SM =40 ; EM//tb =200 ; 41=2,000 ;																							
Job: 1302 - Center Stack Assembly-CHRZANOWSKI																																
CS Assembly in NSTX South High Bay																																
Install New Centerstack																																
8250-174C	PF1A Upper delivery to the NTC South High Bay	1	0%	07-Jul-14	07-Jul-14	17-Sep-13	\$1,293.12	-27	EM//TB=12																							
Fabrication / Assembly																																
No group																																
1302-0170	Perf Accept Elect & Hydr test on PF Coils	0	75%	14-May-14 A	06-Aug-14	30-Apr-13	\$6,896.64	-51	EM//SM =00 ; EM//ST =64 ;																							
1302-1500	Assemble CS (OH Diag, Microtherm, Casing PFCs)	9	0%	23-Jun-14 A	13-Sep-14	15-Oct-14	\$104,500.00	-85	EA//EM=690 ; 41=70,000 ; 37=10,000 ;																							

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									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
1302-0170B	Position/weld Upper PF1B coil t/Upper casing flg	15	0%	07-Jul-14*	25-Jul-14	22-Aug-13	\$8,620.80	-81	EM//tb =80 ;																							
1302-0170D	Mount CS casing support to center stack	5	0%	07-Jul-14	11-Jul-14	06-Sep-13	\$17,241.60	-48	EM//tb =160 ;																							
1302-0220	Mount Upper & Lower PF1B Coils to CS Casing	9	0%	07-Jul-14*	17-Jul-14	19-Mar-13	\$15,517.44	-75	EM//tb =144 ;																							
1302-0180A	Install microtherm insulation around PF1A UPPER	3	0%	08-Jul-14	10-Jul-14	20-Sep-13	\$8,620.80	-27	EM//tb =80 ;																							
1302-0180	Install microtherm insulation around PF1A LOWER	5	0%	14-Jul-14	18-Jul-14	13-Sep-13	\$8,620.80	-48	EM//tb =80 ;																							
1302-1540A	Install outer cans	4	0%	21-Jul-14	24-Jul-14	01-Oct-13	\$12,069.12	-76	EM//tb =112																							
1302-1540A1	Install outer bands/flux loops Inner PF1C UPPER	4	0%	21-Jul-14	24-Jul-14		\$12,069.12	-36	EM//tb =112																							
1302-1541A	Weld outer Wall of PF1C LOWER Cases	5	0%	25-Jul-14	31-Jul-14	02-Oct-13	\$8,620.80	-76	EM//tb =80																							
1302-1541A1	Weld outer Wall of PF1C UPPER Cases	5	0%	25-Jul-14	31-Jul-14		\$8,620.80	-36	EM//tb =80																							
1302-0210A	Mount tiles to Inconel casing	25	0%	28-Jul-14	29-Aug-14	31-Jul-13	\$60,345.60	-81	EM//tb =560																							
1302-1540B	Assemble ceramic break assemblies LOWER	3	0%	01-Aug-14	05-Aug-14	08-Oct-13	\$8,620.80	-47	EM//tb =80																							
1302-1540B1	Assemble ceramic break assemblies UPPER	3	0%	01-Aug-14	05-Aug-14		\$8,620.80	-36	EM//tb =80																							
1302-1540C	Leak Test CB Assemblies LOWER	2	0%	06-Aug-14	07-Aug-14	11-Oct-13	\$5,172.48	-47	EM//tb =48																							
1302-1540C1	Leak Test CB Assemblies UPPER	2	0%	06-Aug-14	07-Aug-14		\$5,172.48	-36	EM//tb =48																							
1302-1500A	Position OH/TF in vertical position	1	0%	30-Aug-14	30-Aug-14	27-Jan-14	\$10,344.96	-97	EM//tb =96 ; 41=70,000 ; 37=10,000 ;																							
1302-1501B	Apply ground plane to OH outer surface	3	0%	02-Sep-14	04-Sep-14	04-Feb-14	\$5,172.48	-97	EM//tb =48 ; 37=10,000 ;																							
1302-1500B	Join the lower PF1A assembly with OH/TF bundle	2	0%	05-Sep-14	06-Sep-14	30-Jan-14	\$10,344.96	-97	EM//tb =96 ; 41=70,000 ; 37=10,000 ;																							
1302-1500C	Install the surface diagnostics onto OH surface	8	0%	08-Sep-14	16-Sep-14	25-Feb-14	\$38,793.60	-97	EM//tb =360 ; 37=10,000 ;																							
1302-1500D	Install Micro-therm insulation around OH coil	3	0%	17-Sep-14	19-Sep-14	06-Mar-14	\$24,138.24	-97	EM//tb =224 ; 37=10,000 ;																							
1302-1500F	****Ready for Delivery to Test Cell****	1	0%	20-Sep-14	20-Sep-14	24-Mar-14	\$17,241.60	-97	EM//tb =160 ; 37=10,000 ;																							
Job: 2450 - 2nd NBI Services-CROPPER																																
Installation																																
Procure, Fab & Assembly																																
2450-0085	Stack 8 Vacuum Lines	366	10%	16-Apr-12 A	19-Sep-14	15-Nov-13	\$41,846.03	-8	EM//tb =350 ; EE//TB =60 ;																							
Procurement																																
ECP-072																																
2450-01051	Sect 3:Additional pipes, fittings, etc.	97	80%	04-Nov-13 A	29-Jul-14	19-Aug-13	\$0.00	-32	41=\$264,400																							
Job: 2460 - 2nd NBI Armor-TRESEMER																																
Fabrication / Assembly																																

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									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
No group																																
2460-0060	Service Connections	10	0%	07-Jul-14*	18-Jul-14	27-Mar-14	\$3,987.12	-32	EM//tb=37 ;																							
Job: 2470 - 2nd NBI Power-RAKI																																
Fabrication / Assembly																																
System Testing																																
247000890	New Procedures, PTP's, ISTEP's	0	60%	20-Jan-14 A	29-Jul-14	18-Apr-14	\$0.00	-31	EE//EM =40 ; EE//SB =80 ;																							
247000950	Control Sys Engr	20	0%	29-Jul-14	26-Aug-14	16-May-14	\$1,601.04	-31	EE//EM =08 ;																							
247000960	Coil Protection Engr	20	0%	29-Jul-14	26-Aug-14	16-May-14	\$1,601.04	-31	EE//EM =08 ;																							
247000951	Control Sys Commissioning	40	0%	26-Aug-14	22-Oct-14	15-Jul-14	\$7,135.20	-31	EE//EM =24 ; EE//TB =24 ;																							
247000910	DC Hipots Commissioning	2	0%	28-Nov-14	01-Dec-14	01-Aug-14	\$11,022.00	-57	EE//EM =24 ; EE//TB =64 ;																							
Installation																																
22-Reactivation																																
247000256	Surge Room- Reactivation	43	95%	01-May-14 A	04-Sep-14	13-Nov-13	\$94,097.84	-57	EE//EM =48 ; EE//SB =08 ; EE//SM =200 ; EE//TB =432 ;																							
247000255	Switchyard- Reactivation	42	15%	27-May-14 A	03-Sep-14	04-Sep-13	\$64,365.20	-57	EE//EM =48 ; EE//SB =08 ; EE//SM =80 ; EE//TB =360 ;																							
247000257	Mod- reg- Reactivation	43	5%	27-May-14 A	04-Sep-14	08-Jan-14	\$48,791.60	-57	EE//EM =48 ; EE//SB =08 ; EE//SM =80 ; EE//TB =160 ;																							
247000259	LCC- Reactivation	43	10%	27-May-14 A	04-Sep-14	02-Apr-14	\$46,091.60	-14	EE//EM =48 ; EE//SB =08 ; EE//SM =80 ; EE//TB =160 ;																							
247000258	Arc/Filament/magnet- Reactivation	43	0%	05-Sep-14*	04-Nov-14	19-Feb-14	\$38,783.28	-57	EE//EM =48 ; EE//SB =08 ; EE//SM =48 ; EE//TB =144 ;																							
247000254	Power Testing of Reactivated Equipment	15	0%	05-Nov-14	27-Nov-14	05-Jun-14	\$51,300.96	-57	EE//EM =32 ; EE//SB =00 ; EE//SM =120 ; EE//TB =240 ;																							
Testing																																
24-Cablig																																
247000790	Commissioning - Cable	0	95%	03-Feb-14 A	29-Jul-14	18-Apr-14	\$0.00	-31	EE//EM =240 ; EE//SM =240 ; EE//TB =520 ;																							
System Testing																																
247000920	Elect Interlock Testing Eng	20	0%	29-Jul-14	26-Aug-14	16-May-14	\$1,601.04	-31	EE//EM =08 ;																							
247000940	Kirk Key Testing Eng	20	0%	29-Jul-14	26-Aug-14	16-May-14	\$1,601.04	-31	EE//EM =08 ;																							
247000945	Instrumentation Testing Engr	20	0%	29-Jul-14	26-Aug-14	16-May-14	\$1,601.04	-31	EE//EM =08 ;																							
247000930	Elect Interlock Testg Commissioning	40	0%	26-Aug-14	22-Oct-14	15-Jul-14	\$11,022.00	-31	EE//EM =24 ; EE//TB =64 ;																							
247000941	Kirk Key Testg Commissioning	40	0%	26-Aug-14	22-Oct-14	15-Jul-14	\$5,534.16	-31	EE//EM =16 ; EE//TB =24 ;																							
247000946	Instrumentation Commissioning	40	0%	26-Aug-14	22-Oct-14	15-Jul-14	\$4,756.80	-31	EE//EM =16 ; EE//TB =16 ;																							
247000971	Coil Protection Commissioning	40	0%	26-Aug-14	22-Oct-14	15-Jul-14	\$7,135.20	-31	EE//EM =24 ; EE//TB =24 ;																							

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									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
Job: 2475 - 2nd NBI Controls-CROPPER																																
Fabrication / Assembly																																
Fab/Assembly																																
2475-0125	Cable Tray - Fab/Assembly	0	80%	21-May-12 A	07-Aug-14	26-Nov-12	\$0.00	-70	EM//ST=640																							
Final Design																																
Control System Layout																																
2475-0105	NBOS Station - Control System Layout	21	0%	07-Jul-14*	04-Aug-14	18-Apr-11	\$7,192.00	-67	EE//SM =40 ;																							
Programing																																
2475-0145	Beamline TC Scanner Program-NBI-Controls & Instr	30	0%	07-Jul-14	15-Aug-14	05-Dec-13	\$27,398.40	-33	EE//SM =24 ; EE/sB =160 ;																							
Installation																																
Installation																																
2475-0139	LCC Remote - Installation	660	95%	26-Sep-11 A	04-Sep-14	28-Jan-14	\$0.00	-46	EE//SM =40 ; EE//SB =640 ; EE//TB =640 ;																							
2475-0135	Aux Cabling - Installation	0	20%	16-Apr-12 A	25-Sep-14	12-Aug-13	\$0.00	-56	EE//SM =80 ; EE//TB =800 ;																							
2475-0134	Beam Line Cabling - Installation	0	45%	28-Jan-13 A	23-Sep-14	15-Jul-13	\$0.00	-70	EE//SM =320 ; EE//TB =1,280 ; EM//ST =16 ; 41=80,000 ;																							
2475-0136	Protective Plate Interlocks(I/P Pyrometer/IR Cam	2	0%	23-Sep-14	24-Sep-14	10-Sep-13	\$45,478.40	-70	EE//SM =40 ; EE//TB =320																							
2475-0138	NBOS Station - Installation	10	0%	24-Sep-14*	08-Oct-14	19-Nov-13	\$29,931.20	-70	EE//SM =80 ; EE//TB =160 ;																							
Programing																																
2475-0144	PLC & RSView Programing-NBI-Controls &	40	0%	07-Jul-14*	29-Aug-14	27-Nov-13	\$56,981.65	-43	EE//SM =320 ;																							
Testing																																
2475-0149	PTP Testing	5	0%	08-Oct-14*	15-Oct-14	09-May-14	\$67,398.40	-70	EE//SM =160; EE//TB =160; EE//SB =160																							
Commissioning in Ops																																
2475-0167C	EPICS Displays	0	80%	21-Sep-12 A	21-Aug-14	21-Jun-12	\$0.00	-46	EC//EM=80hrs;EE/SM=10hrs																							
2475-0167F	EPICS Cl&C Protective Plate Thermocouple Changes	211	50%	26-Sep-13 A	12-Nov-14	29-Jan-14	\$31,703.10	-46	EC//EM=144 ; EC//TB=8 ; EE//SM=10 ; EA//SB=120																							
2475-0167D	EPICS Cl&C Peer Review	21	0%	07-Jul-14*	04-Aug-14	18-Jun-12	\$7,737.10	-46	EC//EM=40hrs;EE/SM=10hrs																							
2475-0167E	EPICS Cl&C Timimg	50	0%	05-Aug-14	14-Oct-14	10-Jun-13	\$36,279.86	-46	EC//EM=80 ; EC//TB=40 ; EE//SM=20 ; EE//TB=80 ;																							
2475-0167G	EPICS Cl&C Testing	10	0%	15-Oct-14	28-Oct-14	16-Jan-14	\$34,500.60	-35	EC//EM=80hrs;EE//SM=80hrs;EE//SB=40hrs EE//TB=20hrs;																							
2475-0154	Commissioning & Testing of 4A Power System	10	0%	15-Oct-14*	29-Oct-14	09-Jun-14	\$0.00	-70																								
2475-0155	Commissioning & Testing of 4B Power System	9	0%	29-Oct-14*	11-Nov-14	08-Jul-14	\$0.00	-70																								
2475-0156	Commissioning & Testing of 4C Power System	9	0%	11-Nov-14*	26-Nov-14	05-Aug-14	\$0.00	-70																								

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									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
No group																																
4100-0051	Machine Installation (ex-vessel only)	35	15%	14-Apr-14 A	22-Aug-14	05-Aug-13	\$66,685.00	-70	EE//EM=20 ; EM//EM=40 ; EM//tb=180 ; EE//SM=200 ;																							
Testing																																
No group																																
4100-0052	PTP Testing	7	0%	25-Aug-14	03-Sep-14	26-Aug-13	\$37,929.00	-70	EE//EM=20 ; EM//EM=40 ; EE//SM=100 ; EM//tb=80 ;																							
Job: 5000 - CSU Power Systems-RAKI																																
Fabrication / Assembly																																
54 - Control & Protection System																																
546-005	546 - Control & Protection Dsn	0	98%	05-Sep-12 A	07-Jul-14	19-Mar-13	\$0.00	-73	EE//EM=400 ; EA//SB=140																							
543-005	543 - Real Time Control -Develop algorithms	0	50%	02-Dec-13 A	09-Jul-14	16-Jan-14	\$0.00	-19	EE//EM=960																							
Installation																																
52 - AC/DC Converters																																
520-017	52 - AC/DC Converters -Test&Commission	15	30%	24-Feb-14 A	05-Sep-14	15-Jan-14	\$30,160.00	-61	EE//EM=40 ; EE//SM=40 ; EE//TB=160 < /P>																							
531 - FCPC DC PF1 & TF Systems																																
531-033	531.2 - FCPC DC Systems -Test&Commission	33	10%	17-Mar-14 A	18-Sep-14	03-Mar-14	\$251,694.40	-7	EE//EM=640 ; EA//SB=160 ; EA//SM=40 ; EE//TB=960 < /P>																							
54 - Control & Protection System																																
541-013	541 - Electrical Interlocks -Installation	36	95%	20-Jan-14 A	14-Jul-14	11-Dec-13	\$143,694.40	-23	EE//EM=160 ; EA//SB=400 ; EE//SM=40 ; EE//TB=480 ;																							
546-020	DCPS to HCS/PLC interface	81	60%	07-Apr-14 A	21-Aug-14'		\$0.00	-93	< /P>																							
546-013	546 - Control & Protection -Installation	18	40%	21-Apr-14 A	21-Jul-14	25-Sep-13	\$102,134.40	-85	EE//EM=160 ; EA//SB=240 ; EE//SM=24 ; EE//TB=320																							
541-017	541 - Electrical Interlocks -Test&Commission	1	20%	23-May-14 A	15-Jul-14	17-Feb-14	\$64,847.20	-23	EE//EM=160 ; EA//SB=16 ; EE//SM=40 ; EE//TB=240 < /P>																							
542-017	542 - Kirk Key Interlocks -Test&Commission	20	20%	27-May-14 A	01-Aug-14	27-Jan-14	\$0.00	-37																								
546-017	546 - Coil Protection -Test&Commission	15	50%	27-May-14 A	11-Aug-14*	08-Jan-14	\$0.00	-85	< /P>																							
55 - Systems Design & Integration																																
552-001	552 - System Testing -Prepare Procedures	30	0%	07-Jul-14*	15-Aug-14	03-Mar-14	\$29,537.60	-47	EE//EM=80 ; EE//SM=32 ; EE//TB=40																							
Procurement																																
52 - AC/DC Converters																																
520-009	52 - AC/DC Converters -Procurement	40	90%	27-Jan-14 A	29-Aug-14	09-Oct-13	\$0.00	-61																								
54 - Control & Protection System																																
541-005	541 - Electrical Interlocks -proced, specs, revs	376	99%	20-Aug-12 A	11-Jul-14	21-Mar-13	\$0.00	-23	EE//EM//16 ; EA//SB=160 ; EE//SM=16 ; EE//TB=40 < /P> <																							

Activity ID	Activity Name	Original Duration	Act % Comp	Start	Finish	BL Finish	Budgeted Total Cost	Total Float	2014												2015											
									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
541-009	541 - Electrical Interlocks -Procurement PLC	25	99%	27-Jan-14 A	11-Jul-14	16-Jul-13	\$8,005.20	-23	EE//EM=40																							
546-009	546 - Control & Protection -Procurement	26	50%	24-Feb-14 A	10-Jul-14	27-Aug-13	\$19,127.12	-73	41=5,000 ; EE//EM=16 ; EA//SB=32 ; EE//SM=8 ; EE//TB=32																							
Testing																																
55 - Systems Design & Integration																																
552-003	552 - System Testing -Testing	63	0%	22-Sep-14	19-Dec-14	03-Jun-14	\$98,012.80	-71	EE//EM=320 ; EE//SM=16 ; EE//TB=320																							
Title III																																
55 - Systems Design & Integration																																
546-030A	TF turn to turn protection	85	35%	14-May-14 A	16-Oct-14		\$0.00	-12	</P></P>																							
Job: 5200 - Digital Coil Protection-STEVENSON																																
Auto Tester Hardware Procurement																																
Interface & Auto Tester Hardware																																
5200-2080	Hardware Integration	162	80%	17-Jun-13 A	11-Jul-14	12-Jul-13	\$7,944.16	-50	EC//EM=52																							
Erickson																																
Move DCPS-RT Comp to JA																																
ECP109-530	Disconnect comp in FCC/Move to JA-Install in rack	1	0%	11-Sep-14*	11-Sep-14	15-May-14	\$3,057.56	-71	EC//EM=16 ; EE//SB=4																							
ECP109-560	Administrative Paperwork	1	0%	12-Sep-14	12-Sep-14	15-May-14	\$1,240.24	-71	EC//EM=8																							
ECP109-570	Move/install Secret Server and AT comp. in JA	2	0%	12-Sep-14	16-Sep-14	19-May-14	\$3,014.52	-71	EC//EM=12 ; EE//SB=8																							
ECP109-580	Connect DCPS-RT to AT	3	0%	16-Sep-14	19-Sep-14	22-May-14	\$3,720.72	-71	EC//EM=24																							
ECP109-590	Configure and test network	1	0%	16-Sep-14	17-Sep-14	20-May-14	\$620.12	-71	EC//EM=4																							
ECP109-610	Setup DTAQ diagnostic digitizer	1	0%	19-Sep-14	19-Sep-14	23-May-14	\$908.66	-71	EC//EM=4 ; EE//SB=2																							
DCPS Comp Final Configuration																																
ECP109-640	Connect DCPS-RT to DCPS interface	1	0%	19-Sep-14*	22-Sep-14	02-Jun-14	\$1,420.64	-71	EC//EM=4 ; EE//EM=4																							
Hatcher																																
Testing																																
5200-2030	Testing	42	35%	26-Mar-14 A	22-Sep-14	28-Feb-14	\$70,290.00	-71	EC//EM=120 ; EE//TB=120 ; EE//EM=200																							
Hardware																																
Interface & Auto Tester Hardware																																
5200-2170	I/O Design (Analog chasis)	157	80%	24-Jun-13 A	24-Jul-14	01-Jul-13	\$5,252.89	-71	EE//EM=15 ; EC//EM=15																							
5200-2180	Version Control & Configuration Management (All)	233	80%	24-Jun-13 A	02-Oct-14	26-Jul-13	\$7,036.26	-2	EE//EM=20 ; EC//EM=20																							

Activity ID	Activity Name	Original Duration	Act % Comp	Start	Finish	BL Finish	Budgeted Total Cost	Total Float	2014												2015											
									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
5200-2190	Drawings (All)	233	80%	24-Jun-13 A	02-Oct-14	09-Sep-14	\$7,036.26	-2	EE//EM=20 ; EC//EM=20																							
5200-2120	PCB Design & Procurement (Analog Chasis)	123	70%	13-Aug-13 A	26-Aug-14	02-Jul-13	\$32,739.45	-71	EE//EM=93 ; EC//EM=93																							
5200-2210	PCB & Chassis Assly. & Test (Hardware User Interface)	30	75%	23-Jun-14 A	26-Aug-14	03-Sep-13	\$21,661.32	-63	EE//EM=27 ; EC//EM=27 ; EE//SB=50 ; EE//TB=50																							
5200-2130	PCB & Chasis Assembly & Test (Analog Chasis)	8	0%	27-Aug-14*	08-Sep-14	16-Jul-13	\$19,806.44	-71	EE//EM=42 ; EE//SB=50 ; EE//TB=50																							
5200-2140	Interconnection subsystem all up config test (DRIVES COMP MOVE)	2	0%	09-Sep-14*	10-Sep-14	22-Jul-13	\$6,392.88	-71	EE//EM=18 ; EC//EM=18																							
Titus																																
Analysis Div scope																																
5200-2060	Algorithm Verification & Coefficient Check	306	30%	20-May-13 A	22-Sep-14	14-Nov-13	\$34,968.26	-9	EA//EM=100 ; EE//EM=65																							
Job: 5501 - Coil Bus Runs-ATNAFU																																
CLOSING																																
ECP-064																																
5501-149	Complete installation of all bus bars	1	0%	10-Nov-14	10-Nov-14		\$2,930.24	-53																								
5501-0148B	Document lessons learned and Archive Files	8	0%	11-Nov-14	24-Nov-14	19-Aug-14	\$2,930.24	-48	EM//EM=16																							
Fabrication / Assembly																																
ECP-064																																
5501-01407	OH: Coaxial Bus (Type: 1)	12	50%	16-Sep-13 A	22-Jul-14	08-Oct-13	\$53,238.08	-9	EM//TB=80 ; EM//SB=400																							
5501-01400	CHI Flags: Fab, Field fit-up and Assly (Type: 1)	10	80%	09-Dec-13 A	18-Jul-14	26-Mar-14	\$18,706.72	-24	EM//EM=8 ; EM//TB=160																							
5501-0146C	OH Bus: Fab, Field fit-up and Assly (Type: 1)	0	25%	16-Dec-13 A	11-Jul-14	17-Sep-13	\$0.00	-7	EM//EM=8 ; EM//SM=8 ; EM//TB=60 ; 41=\$3,200																							
5501-0146T	PF1abc Flags, Field fit-up and Assly (Type: 1)	5	80%	16-Dec-13 A	25-Jul-14	22-Jan-14	\$10,085.92	-11	EM//EM=8 ; EM//TB=80																							
5501-0146X	PF1abc Support Structures Fab and Assly (Type: 1)	27	60%	16-Dec-13 A	12-Aug-14	19-Feb-14	\$59,050.40	-6	EM//EM=40 ; EM//TB=480																							
5501-01405	CHI Support Structures: Fab and Assly (Type:1)	40	80%	20-Jan-14 A	05-Sep-14	07-May-14	\$79,401.44	-22	EM//EM=40 ; EM//TB=320 ; EE//TB=640																							
5501-01401	Brazing: CHI Bus Bars (Type: 1)	0	50%	10-Mar-14 A	21-Jul-14	09-Apr-14	\$0.00	-24	EM//EM=8 ; EE//TB=24 ; EM//TB=160																							
5501-01402	CHI: Install fittings and conduct hydro test (Ty	1	50%	17-Mar-14 A	21-Jul-14	16-Apr-14	\$10,085.92	-24	EM//EM=8 ; EM//TB=80																							
5501-0146K	TF Bus: Fab, Field fit-up and Assly (Type: 1)	2	75%	24-Mar-14 A	07-Jul-14	19-Nov-13	\$11,543.36	-25	EM//EM=8 ; EM//SM=8 ; EM//TB=80																							
5501-0146L	TF Flags: Fab, Field fit-up and Assly (Type: 1)	3	75%	24-Mar-14 A	09-Jul-14	22-Nov-13	\$5,905.04	-22	EM//EM=4 ; EM//TB=48																							
5501-0146Z	CHI Bus: Fab, Field fit-up and Assly (Type: 1)	10	50%	24-Mar-14 A	10-Jul-14	12-Mar-14	\$48,039.24	-22	41=\$10,000 ; EM//EM=40 ; EM//SM=8 ; EM//TB=120 ;																							
5501-0146S	PF1abc: Fab, Field fit-up and Assly (Type: 1)	0	10%	27-May-14 A	07-Jul-14	15-Jan-14	\$0.00	-6	EM//EM=8 ; EM//SM=8 ; EM//TB=60 ; 41=\$6,400																							
5501-0146M	Brazing: TF Bus Bars (Type: 1)	5	70%	28-May-14 A	14-Jul-14	03-Dec-13	\$11,640.64	-25	EM//EM=8 ; EE//TB=16 ; EM//TB=80																							
5501-0146O	TF Bus: Insulation and Protective Layer (Type: 2)	15	1%	23-Jun-14 A	04-Aug-14	08-Jan-14	\$45,610.64	-25	EM//EM=16 ; EE//TB=40 ; EM//TB=360																							

Activity ID	Activity Name	Original Duration	Act % Comp	Start	Finish	BL Finish	Budgeted Total Cost	Total Float	2014												2015											
									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
									Gantt Chart Data																							
5501-01403	CHI Bus: Insulation and Protective Layer (Type: 2)	15	5%	23-Jun-14 A	08-Aug-14	07-May-14	\$32,679.44	-24	EM//EM=16; EE//TB=40; EM//TB=240																							
5501-0146E	Brazing: OH Bus Bars (Type: 1)	5	0%	14-Jul-14	18-Jul-14	22-Oct-13	\$13,972.72	-7	EM//EM=8; EE//TB=40; EM//TB=80																							
5501-0146F	OH: Install fittings/Conduct Hydro Test (Type: 2)	3	0%	16-Jul-14	18-Jul-14	25-Oct-13	\$5,905.04	-7	EM//EM=4; EM//TB=48																							
5501-0146G	OH Bus: Insulation and Protective Layer (Type: 2)	10	0%	23-Jul-14	05-Aug-14	01-Nov-13	\$9,238.72	-9	EM//EM=8; EE//TB=80																							
5501-0146U	Brazing: PF1abc Bus Bars (Type: 1)	3	0%	28-Jul-14	30-Jul-14	29-Jan-14	\$10,863.28	-11	EM//EM=8; EE//TB=8; EM//TB=80																							
5501-0146V	PF1abc: Insulation and Protective Layer (Type: 2)	2	0%	31-Jul-14	01-Aug-14	12-Feb-14	\$24,058.64	-11	EM//EM=16; EE//TB=40; EM//TB=160																							
5501-0146W	PF1abc: Electrical Testing (Type: 2)	10	0%	01-Aug-14	15-Aug-14	19-Feb-14	\$17,719.52	-11	EM//EM=8; EE//TB=16; EE//EM=16; EE//SM=16;																							
5501-0146P	TF Bus: Electrical Testing (Type: 2)	10	0%	04-Aug-14	18-Aug-14	15-Jan-14	\$15,457.44	-25	EM//EM=8; EE//TB=24; EE//EM=8; EE//SM=8; EM//TB=48																							
5501-0146H	OH Bus: Electrical Testing (Type: 2)	10	0%	06-Aug-14	19-Aug-14	08-Nov-13	\$18,496.88	-9	EM//EM=8; EE//TB=24; EE//EM=16; EE//SM=16;																							
5501-01404	CHI Bus: Electrical Testing (Type: 2)	10	0%	08-Aug-14	22-Aug-14	14-May-14	\$16,164.80	-24	EM//EM=8; EE//TB=32; EE//EM=16; EE//SM=16;																							
5501-0146Y	PF1abc: Silver Plating (Type: 2)	3	0%	15-Aug-14	20-Aug-14	24-Feb-14	\$6,682.40	-11	EM//EM=4; EE//TB=8; EM//TB=48																							
5501-0146R	TF Bus: Silver Plating (Type: 2)	2	0%	18-Aug-14	20-Aug-14	20-Jan-14	\$6,682.40	-25	EM//EM=4; EE//TB=8; EM//TB=48																							
5501-0146J	OH Bus: Silver Plating (Type: 2)	3	0%	20-Aug-14	22-Aug-14	13-Nov-13	\$6,682.40	-9	EM//EM=4; EE//TB=8; EM//TB=48																							
5501-01406	CHI Bus: Silver Plating (Type: 2)	10	0%	22-Aug-14	08-Sep-14	29-May-14	\$21,816.16	-24	EM//EM=8; EE//TB=32; EM//TB=160																							
5501-01408	Clean Fabrication Work Area	2	0%	11-Nov-14	12-Nov-14	01-Aug-14	\$5,172.48	-42	EM//TB=48																							
Installation																																
ECP-064																																
5501-0147D	Install PF1abc Bus Bars & Support Structures	15	0%	08-Sep-14	26-Sep-14	03-Jul-14	\$46,111.52	-23	EM//EM=32; EM//SM=8; EM//TB=360																							
5501-0147B	Install OH Bus Bars & Support Structures SHIFT 1	10	0%	01-Oct-14*	14-Oct-14	05-Jun-14	\$31,715.20	-35	EM//EM=24; EM//SM=8; EM//TB=240																							
5501-0147C	Install TF Bus Bars & Support Structures SHIFT 2	28	0%	01-Oct-14*	07-Nov-14	12-Jun-14	\$31,715.20	-53	EM//EM=24; EM//SM=8; EM//TB=240																							
5501-0147E	Install CHI Bus Bars & Support Structures SHIFT	15	0%	01-Oct-14	21-Oct-14	26-Jun-14	\$46,111.52	-40	EM//EM=32; EM//SM=8; EM//TB=360																							
5501-0147F	PTP Testing: All bus bars SHIFT 1	13	0%	11-Nov-14	01-Dec-14	25-Jul-14	\$55,433.32	-53	EM//EM=40; EM//SM=8; EE//TB=120; EE//EM=24;																							
5501-0147G	Clean installation work area	3	0%	11-Nov-14	13-Nov-14	29-Jul-14	\$5,172.48	-47	EM//TB=48																							
Procurement																																
ECP-064																																
5501-0145I	Stockroom Items	45	0%	07-Jul-14*	08-Sep-14	29-May-13	\$2,000.00	-8	37=\$2,000																							
Job: 6100 - Control Sys Data Acquisition -SICHTA																																
Fabrication / Assembly																																
No group																																

Activity ID	Activity Name	Original Duration	Act % Comp	Start	Finish	BL Finish	Budgeted Total Cost	Total Float	2014												2015											
									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
6100-0057C	PCS Infrastructure code & debug	0	25%	10-Sep-12 A	02-Sep-14	30-Sep-13	\$0.00	-63	EC//EM =40 ;																							
6100-0060	PCS code & debug	60	50%	12-Aug-13 A	03-Sep-14	12-May-14	\$13,022.52	-63	EC//EM=60																							
6100-0058	PSRTC code & debug	42	20%	17-Mar-14 A	19-Aug-14	06-Jan-14	\$24,804.80	-49	EC//EM=160																							
6100-0059	Update PSRTC Simulation models	30	10%	23-Jun-14 A	14-Oct-14	17-Feb-14	\$18,087.20	-22	EC//TB=16 ; EC//EM=32 ; EA//EM=40																							
6100-0061B	CAMAC replacement - local software	86	0%	07-Jul-14*	04-Nov-14	21-Apr-14	\$46,458.20	-67	EC//EM =300 ;																							
6100-0067	DAS programming for NSTX diags upgd	50	0%	07-Jul-14*	15-Sep-14	13-Aug-14	\$3,720.72	-1	EC//EM =24 ;																							
6100-0062	CAMAC replacement - MDSplus changes	60	0%	12-Aug-14*	04-Nov-14	19-May-14	\$15,503.00	-67	EC//EM =100 ;																							
Installation																																
No group																																
6100-0075	Install I&C due to NTC GIS rack relocation	37	25%	23-Jun-14 A	26-Aug-14	21-Aug-14	\$37,617.24	-15	EA//SB =40 ; EC//EM =48 ; EC//SB =60 ; EE//SB =120 ;																							
Testing																																
No group																																
6100-0081	CS Infrastructure tests	20	0%	19-Aug-14*	16-Sep-14	24-Jun-14	\$14,534.48	-63	EC//SB =08 ; EC//TB =24 ; EE//EM =24 ; EC//EM =40 ;																							
6100-0090	test relocated I&C GIS rack systems	26	0%	15-Sep-14*	20-Oct-14	28-Aug-14	\$14,021.40	-27	EC//SB =40 ; EC//EM =60 ;																							
6100-0082	PSRTC Simulation PTP-034	15	0%	17-Sep-14*	07-Oct-14	01-Jul-14	\$16,363.04	-63	EC//EM=32 ; EA//EM=40																							
6100-0088	CAMAC Memory field tests	5	0%	17-Sep-14	23-Sep-14	20-Jan-14	\$3,482.00	-7	EC//EM =08 ; EC//SB =20 ;																							
6100-0083	PSRTC PTP-035	35	0%	08-Oct-14*	27-Nov-14	09-Jul-14	\$16,620.88	-63	EA//EM=24 ; EC//TB=24 ; EC//EM=40																							
6100-0086	CAMAC Replacement system tests	30	0%	05-Nov-14	18-Dec-14	13-Aug-14	\$34,244.00	-67	EC//SB =80 ; EC//EM =160 ;																							
6100-0084B	PCS tesing	10	0%	28-Nov-14	11-Dec-14	23-Jul-14	\$9,301.80	-63	EC//EM=40																							
6100-0085	Support ISTEP-001	1	0%	12-Dec-14*	12-Dec-14	05-Sep-14	\$11,659.92	-63	EA//EM =24 ; EC//EM =24 ; EC//TB =24 ;																							
6100-0092	Project Ready for ISTEP Target	1	0%	19-Dec-14	19-Dec-14	08-Sep-14	\$155.03	-67	EC//EM =01 ;																							
Job: 8200 - CS & Coil Sprt Struct Instal - PERRY																																
LOWER																																
Fiber & Electrical Reinstallation																																
8200-E290	Fiber & electrical Reinstallation	20	60%	25-Feb-13 A	19-Sep-14	09-Jul-13	\$19,106.81	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-F290	Fiber & electrical Reinstallation	20	60%	25-Feb-13 A	19-Sep-14	09-Jul-13	\$19,106.81	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-G290	Fiber & electrical Reinstallation	20	60%	25-Feb-13 A	19-Sep-14	16-Apr-13	\$19,106.81	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-I290	Fiber & electrical Reinstallation	20	60%	25-Feb-13 A	19-Sep-14	17-Jun-13	\$19,106.81	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-J290	Fiber & electrical Reinstallation	20	60%	25-Feb-13 A	19-Sep-14	12-Sep-13	\$19,106.81	-4	POWERS ELEC =80HRS;M&S=5K																							

Activity ID	Activity Name	Original Duration	Act % Comp	Start	Finish	BL Finish	Budgeted Total Cost	Total Float	2014												2015											
									Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
8200-L290	Fiber & electrical Reinstallation	20	60%	28-Feb-13 A	19-Sep-14	09-Jul-13	\$19,107.23	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-K290	Fiber & electrical Reinstallation	20	60%	22-Jul-13 A	19-Sep-14	09-Jul-13	\$19,153.07	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-B290	Fiber & electrical Reinstallation	0	60%	26-Aug-13 A	19-Sep-14	09-Oct-13	\$0.00	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-C290	Fiber & electrical Reinstallation	152	60%	26-Aug-13 A	19-Sep-14	11-Nov-13	\$19,212.56	-4	POWERS ELEC =80HRS;M&S=5K																							
8200-H290	Fiber & electrical Reinstallation	20	60%	26-Sep-13 A	19-Sep-14	15-May-13	\$19,236.40	-4	POWERS ELEC =80HRS;M&S=5K																							
Installation																																
Removals (non NB related)																																
8200-0042F	Extra/Additional Platform Work	261	90%	12-Nov-12 A	16-Oct-14	01-Nov-13	\$59,584.15	-44	41=\$7,000 ; EM//TB=480																							
Reinstall Equipment																																
8200-0124	Re-install RF pipes	0	0%	02-Sep-14*	02-Sep-14	28-Mar-14	\$235,794.40	-11	TECHS RF=1280HRS;M&S=10K																							
Bay by Bay Diagnostic																																
8200-0135	Reinstall Elect	107	75%	03-Mar-14 A	29-Aug-14	07-Aug-14	\$399,564.80	-10	POWERS ELEC =2560HRS ; 41=\$10,000																							
8200-0133	Reinstall Equipment	45	30%	27-May-14 A	09-Oct-14	11-Jun-14	\$289,365.60	-10	MACHINE TECH =2560HRS;M&S=10K																							
8200-0136A	Install Required Blank Covers	31	15%	27-May-14 A	28-Aug-14	25-Jun-14	\$54,733.20	-3	MACHINE TECH =320HRS;M&S=15K																							
8200-0136	Testing	20	0%	02-Sep-14	29-Sep-14	05-Sep-14	\$99,891.20	-10	POWERS ELEC=640HRS																							
Job: 8250 - Remove/Install Centerstack-PERRY																																
CS Assembly in NSTX South High Bay																																
Install New Centerstack																																
8250-174D1	Ceramic break assemblies UPPER delivered South Hi Bay	1	0%	08-Aug-14	08-Aug-14		\$1,293.12	-36	EM//TB=12																							
8250-174D2	POSITION LOWER Ceramic break assemblies	1	0%	08-Aug-14	08-Aug-14		\$1,293.12	-47	EM//TB=12																							
8250-174E	Install OH/TF bundle tilt up fixture	1	0%	20-Aug-14*	20-Aug-14	03-Apr-14	\$13,793.28	-58	EM//TB=128																							
Installation																																
Install New Centerstack																																
8250-124	Fab Lift Fixture for new centerstack	149	95%	29-Jul-13 A	21-Jul-14	20-Jan-14	\$0.00	-58	EM//ST =480 ; 41=10,000 ;																							
8250-125	Install new centerstack pedestal	20	10%	24-Feb-14 A	19-Sep-14	03-Feb-14	\$46,186.00	-76	EM//ST =240 ; EM//SM =80 ; 41=3,000 ;																							
8250-137B	Design and Fab CS to OTF lead ext	34	0%	07-Jul-14*	21-Aug-14	14-Feb-14	\$57,220.80	-34	EM//TB=80 ; 41=\$42,000																							
8250-174R	Develop torquing tools for TF flex bus	22	0%	07-Jul-14*	05-Aug-14	16-Aug-13	\$42,322.80	-8	EM//TB=280; 41=\$9,000																							
8250-13713	Install bus to Centerstack	19	0%	07-Jul-14*	31-Jul-14		\$31,034.88	-23	EM//TB=288																							
8250-137A	Assembly flex/studs/supernuts	19	0%	02-Sep-14*	26-Sep-14	22-Apr-14	\$17,916.60	-45	EM//TB=160 ; 41=\$500																							

