NCSX ECP39 Estimate to Complete Detail

Sum of Budget Remaining

							ORNL					PPPL																						
							org	resource	RES																									
							Labor (hours)			Non Labor ($k)		Labor (hours)																		Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
12	1203	1203-241	Check FMECA Analyses	9/1/2005	11/1/2005	44		32					16																					
		1203-271	Develop Assy Rqmnts spec & process	10/3/2005	12/8/2005	47		180																										
		1203-800	Issue VV FP leak check assy dwg	9/22/2005	12/15/2005	59		32																										
		1203-801	Issue VV FP final assy dwg	10/3/2005	12/15/2005	52		40																										
		1203-802	Issue spacer machining dwgs	10/3/2005	12/15/2005	52		40																										
		1203-803	Issue VV final assy dwg	10/3/2005	12/15/2005	52		40																										
		1203-804	Issue VV assy specification	10/3/2005	12/15/2005	52		40																										
		1203-805	Redo CC heating/coolinbg tube dwgs& analysis	9/22/2005	11/1/2005	29		60																										
		1203-806	Establish interface reqmnts	10/3/2005	12/15/2005	52		40																										
		1203-810	resolve design pockets for soft x ray arrays	11/1/2005	12/15/2005	31		40																										
		1203-815	Cleanup interfaces cleanup interfaces with other	11/1/2005	12/15/2005	31		20																										
		1203-820	BOM for all VV parts	11/1/2005	12/15/2005	31		30																										
		1203-825	develop acquisiton plan for all vv components	11/1/2005	12/15/2005	31		20																										
		1203-830	conduct mini fdr/procurement reviews	11/1/2005	12/15/2005	31		40																										
		1203-901	**WBS 12 FINAL FDR **	(blank)	12/15/2005	0																									$ -			
		122-011	Final design WBS 122 Thermal insulation	6/1/2004	11/21/2005	373		130													5													
		122-012	Heater Tape Design	5/2/2005	11/15/2005	140		75					22																					
		125-011	Final design WBS 125 local I&C	3/1/2005	11/15/2005	184		18																										
	1204	122-030	SPEA VV Thermal Insulation WBS 122	10/1/2007	11/28/2007	43																									$ -			
		122-031	Title III engr WBS 122	10/1/2007	4/14/2008	132		124													22													
		122-036.9	Award VV Insulation WBS 122	(blank)	11/28/2007	0																									$ -			
		122-037	VV Insulation Procurement WBS 122	12/3/2007	4/14/2008	89																							$ 45.0					
		123-030	Issue RFQ & Select Vendor VV H/C Tubing WBS 123	11/2/2005	12/1/2005	20																									$ -			
		123-031	Title III engr WBS 122	11/2/2005	9/19/2006	220		48													8													
		123-036.9	Award H/C Tubing WBS 123	(blank)	12/1/2005	0																									$ -			
		123-037	Fabricate and Deliver H/C Tubing WBS 123	12/2/2005	1/6/2006	20																							$ 45.0					
		123-040	Issue RFQ & Select Vendor insul boots WBS 122	10/2/2006	12/5/2006	45																									$ -			
		123-045	Award Insulation Boots&Pyrogel WBS 122	(blank)	12/5/2006	0																									$ -			
		123-050	Fabricate& Deliver Insul Boots &Pyrogel WBS 122	12/6/2006	6/14/2007	130																							$ 55.0					
		123-130	Issue RFQ &Select Vendor VV H/C Manifold WBS 123	11/2/2005	1/6/2006	40																									$ -			
		123-136.9	Award H/C Manifolds WBS 123	(blank)	1/6/2006	0																									$ -			
		123-137	Fabricate and Deliver H/C ManifoldsWBS 123	1/9/2006	4/7/2006	65																							$ 25.0					
		124-030L	SPEA VV Lateral Supports WBS 124	10/17/2005	12/16/2005	43																									$ -			
		124-031	Title III engr WBS 124	10/3/2005	3/6/2006	103		60													2													
		124-036.9L	Award VV Lateral Supports WBS 124	(blank)	10/2/2006	0																									$ -			
		124-037	PPPL Fab VV Vert. Supports WBS 124	10/17/2005	1/18/2006	60																	800											
		124-037L	VV Lateral Supports Fab by PPPL WBS 124	10/3/2006	1/4/2007	60																	400											
		124-110	SPEA VV NB port cover	8/2/2006	9/29/2006	43																									$ -			
		124-120	Award VV NB port cover	(blank)	9/29/2006	0																									$ -			
		124-130	VV NB port cover Fabrication	10/2/2006	1/10/2007	65																							$ 53.9					
		125-015	Title III design Local I&C WBS 125	12/16/2005	3/20/2006	61		18																										
		125-037	Procurement Local I&C WBS 125	12/16/2005	3/17/2006	60																							$ 2.4					
	1250	121-034.1	VVSA Title III engr	10/3/2005	11/22/2006	288		500		$ 8.0																								
		121-035	VVSA Contract oversight FY05 & FY06	3/1/2005	1/31/2006	231															446												$ 8.2	
		121-035.2	ORNL design support during MTM Contract	10/3/2005	1/31/2006	79		107		$ 4.0																								
		121-036	Ship vac equipt from PPPL to MTM for vac testing	10/25/2005	11/14/2005	15																							$ 2.0					
		121-038	assist MTM testing of VVSA	11/15/2005	2/8/2006	54																-												
		121-038.1	All Vacuum Vessel Sections (3) Delivered	(blank)	3/21/2006	0																									$ -			
		121-140	S005243 #9-Second VVSA fabricated	(blank)	10/28/2005	0																									$ -			
		121-145	S005243 #10-Third VVSA fabricated	(blank)	11/18/2005	0																									$ -			
		121-150	S005243 #11-Receipt/Acceptance of 1st VVSA	(blank)	12/23/2005	0																									$ -			
		121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA	(blank)	2/24/2006	0																									$ -			
		121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA	(blank)	3/21/2006	0																									$ -			
		121-165	S005243 #14-Delivefy of tooling,dies,fixtures	(blank)	3/27/2006	0																									$ -			
		VVSA-021	Sect 5.1.2 Fiducials	11/29/2004	11/4/2005	242																									$ -			
		VVSA-035	Trinos Flanges	10/3/2005	10/28/2005	20																												$ 39.0
		VVSA-261	Port Ext, Misc HW Period #1 LOT 7	4/4/2005	10/17/2005	141																									$ -			
		VVSA-271	Port Ext, Misc HW Period #2 LOT 8	4/4/2005	11/18/2005	165																									$ -			
		VVSA-281	Port Ext, Misc HW Period #3 LOT 9	4/4/2005	1/4/2006	198																									$ -			
		VVSA-291	Spacer & port Ext Fixture LOT 13	6/6/2005	10/21/2005	100																									$ -			
		VVSA-341	Weld Ports	10/18/2005	11/14/2005	20																									$ -			
		VVSA-351	Final Machine	12/6/2005	12/13/2005	6																									$ -			
		VVSA-361	Vacuum Test	11/15/2005	11/23/2005	7																									$ -			
		VVSA-371	Cut Off Ports	11/24/2005	12/5/2005	8																									$ -			
		VVSA-381	Inspect & Pack for Shipping LI#4	12/14/2005	12/20/2005	5																									$ -			
		VVSA-391	Receive at PPPL	12/21/2005	12/23/2005	3																												$ 375.6
		VVSA-411	60 deg segment	8/26/2005	10/7/2005	31																									$ -			
		VVSA-421	Join two pieces	10/10/2005	10/28/2005	15																												$ 405.0
		VVSA-431	Machine for Ports	10/31/2005	11/18/2005	15																									$ -			
		VVSA-441	Weld Ports	11/21/2005	12/23/2005	25																									$ -			
		VVSA-451	Final Machine	1/31/2006	2/13/2006	10																									$ -			
		VVSA-461	Vacuum Test	12/26/2005	1/16/2006	16																									$ -			
		VVSA-471	Cut Off Ports	1/17/2006	1/30/2006	10																									$ -			
		VVSA-481	Inspect & Pack for Shipping LI#4	2/14/2006	2/17/2006	4																									$ -			
		VVSA-491	Receive at PPPL	2/21/2006	2/24/2006	4																												$ 375.0
		VVSA-501	60 deg segment	9/30/2005	10/28/2005	21																									$ -			
		VVSA-511	60 deg segment	10/31/2005	11/4/2005	5																									$ -			
		VVSA-521	Join two pieces	11/7/2005	11/18/2005	10																												$ 375.0
		VVSA-531	Machine for Ports	11/21/2005	12/7/2005	13																									$ -			
		VVSA-541	Weld Ports	1/5/2006	1/27/2006	17																									$ -			
		VVSA-551	Final Machine	2/27/2006	3/10/2006	10																									$ -			
		VVSA-561	Vacuum Test	1/30/2006	2/8/2006	8																									$ -			
		VVSA-571	Cut Off Ports	2/9/2006	2/24/2006	12																									$ -			
		VVSA-581	Inspect & Pack for Shipping LI#4	3/13/2006	3/14/2006	2																									$ -			

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WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
12	1250	VVSA-591	Receive at PPPL	3/16/2006	3/21/2006	4																												$ 375.0
		VVSA-601	Pack Tooling for PPPL	3/15/2006	3/21/2006	5																										$ -		
		VVSA-611	PPPL Receive Tooling	3/22/2006	3/27/2006	4																												$ 486.0
13	1301	1301FD-05	Anaylsis Check	3/1/2005	11/1/2005	174							16																					
		1301FD-84	TF Coil Fabrication & assy package approved	11/2/2005	11/8/2005	5																										$ -		
		1301R-37	Prepare Coil Spec	3/1/2005	11/1/2005	174																										$ -		
	1302	1301-137	PF & CS Support FDR	(blank)	4/16/2007	0																										$ -		
		1302-CSS	PF & CS Support Final Design	1/2/2007	4/16/2007	75							884																					
		1302-PF	PF& CS Support Preliminary Design	6/1/2005	12/22/2006	145							348																					
		133-008	Design WBS 134 Conv Coil I&C Peer review	(blank)	10/12/2005	0																										$ -		
		133-010	Design WBS 134 Conv Coil I&C	3/1/2005	10/31/2005	172							72																					
		133-011	Design WBS 134 Conv Coil I&C FDR	(blank)	10/31/2005	0																										$ -		
		141-012	PF & CS Sprt PDR	(blank)	12/22/2006	0																										$ -		
	1350	1350-100.1	Design tooling & winding facility	9/1/2005	10/31/2005	43							13	80																				
		1350-505	Winding Clamps	5/2/2005	11/1/2005	130																32	32						$ 2.0					
		1350-510	Taping Machine Conditioning	10/3/2005	11/1/2005	22														80		80	160						$ 1.0					
		1350-515	Winding mandrel	7/1/2005	10/31/2005	86																84	112						$ 4.3					
		1350-520	Misc tools & equipt	9/8/2005	12/15/2005	69																144	300						$ 0.9					
		1350-525	TF mold (2)	11/1/2005	1/11/2006	44																							$ 90.0					
		1350-600	Build Cleanroom	3/28/2005	10/14/2005	143														6		7	11						$ 0.2					
		1350-610	Setup copper delivery system	11/1/2005	11/21/2005	15																38	58						$ 1.2					
		1350-615	Install taping machine	11/1/2005	11/21/2005	15																38	58						$ 1.2					
		1350-620	Complete setup of facility	(blank)	12/15/2005	0																										$ -		
		1351-080	Design Assy Fixture	1/3/2006	1/30/2006	20								280																				
		1351-086	Fab/Assemble Fixture	1/31/2006	2/24/2006	19																	200						$ 20.0					
		1351-088	Setup Wedge Casting Fixture & test	2/27/2006	3/3/2006	5																	240											
		1351-089	Fab Lift Fixture	12/9/2005	12/15/2005	5																	144											
	1351	1301FD-82	Evaluate and award TF Wedge Plate Fabr (R403108)	10/3/2005	11/30/2005	41																										$ -		
		1351-525	Coil Supplies- Insulation	10/3/2005	1/11/2006	65																							$ 80.0					
		1351-527	Coil Supplies- Epoxy	4/28/2006	11/7/2007	388																							$ 60.0					
		1351-529	Coil Supplies- Deliver Copper Conductor(PE005935	7/1/2005	10/14/2005	75																							$ -					
		1351-531	Coil Supplies- G-11 fillers (PE006162)	10/3/2005	3/13/2006	108																							$ 65.0					
		1351-533	Coil Supplies- Lead Blocks(pe6134 for copper)	9/3/2005	3/13/2006	128																100	110						$ -					
		1351-535	Coil Supplies- Safety & PPE equipt & supplies	10/3/2005	2/13/2006	88																							$ 8.0					
		1351-537	Coil Supplies- Misc supplies	10/3/2005	2/13/2006	88																							$ 8.0					
		1351-539	Coil Supplies- Primer**NOT REQ'D**)	10/3/2005	10/3/2005	1																										$ -		
		1351-541	VPI Supplies- Misc VPI supplies	1/12/2006	5/15/2006	88																							$ 8.0					
		1351-543	VPI Supplies- Disposable VPI HW	12/8/2005	5/15/2006	107																	432						$ 35.0					
		1351-85C	Award TF Castings	(blank)	11/30/2005	0																										$ -		
		1351-85D	Vendor Fab TF Castings	12/1/2005	4/27/2006	100																							$ 198.0					
	1352	1352-100	Material & leads	10/30/2007	2/21/2008	75																							$ 188.0					
		1352-105	Tooling for PF 1,2 and 3 NOT REQ"D USE PF1a	2/22/2008	4/3/2008	30																										$ -		
		1352-110	Tooling for PF 4	10/30/2007	12/5/2007	25																							$ 52.5					
		1352-115	Tooling for PF 5	12/6/2007	1/17/2008	25																							$ 52.5					
		1352-120	Tooling for PF 6	1/18/2008	2/21/2008	25																							$ 52.5					
		1352-125	Fabricate/Dlvr PF 1 NOT REQD USE PF1a	6/16/2008	7/7/2008	15																										$ -		
		1352-130	Fabricate/Dlvr PF 2 NOT REQD USE PF1a	7/8/2008	7/28/2008	15																										$ -		
		1352-135	Fabricate/Dlvr PF 3 NOT REQD USE PF1a	7/29/2008	8/18/2008	15																										$ -		
		1352-135X	Refurbish NSTX PF1a	10/3/2005	10/7/2005	5																	16											
		1352-140	Fabricate/Dlvr PF 4 lower	2/22/2008	3/6/2008	10																							$ 39.8					
		1352-145	Fabricate/Dlvr PF 5 lower	3/7/2008	3/27/2008	15																							$ 39.8					
		1352-150	Fabricate/Dlvr PF 6 lower	3/28/2008	4/17/2008	15																							$ 39.8					
		1352-155	Fabricate/Dlvr PF 4 upper	4/18/2008	5/1/2008	10																							$ 39.8					
		1352-160	Fabricate/Dlvr PF 5 upper	5/2/2008	5/22/2008	15																							$ 39.8					
		1352-165	Fabricate/Dlvr PF 6 upper	5/23/2008	6/13/2008	15																							$ 39.8					
		141-031	Title III engr WBS 132	8/27/2007	9/19/2008	268							620																					
		141-035	Bid & Award PF Coils	8/27/2007	10/29/2007	45																										$ -		
		141-036	PF Coils Awarded	(blank)	10/29/2007	0																										$ -		
		722.010	PF Coil receipt inspect/test (formerly wbs 183)	2/22/2008	8/18/2008	125																94	218											
	1353	163-015	Title III design CS sprt struc	4/17/2007	6/17/2008	294							333																					
		163-035	Bid & Award CS Support Struct	4/17/2007	6/19/2007	45																										$ -		
		163-036.9	Award CS Support Structure	(blank)	6/19/2007	0																										$ -		
		163-037	CS Support Structure Procurement/Fab	6/20/2007	6/17/2008	249																							$ 144.8				$ 2.0	
	1354	1303-136	Trim Coil PDR	(blank)	11/10/2006	0																										$ -		
		1303-137	Trim Coil FDR	(blank)	1/10/2007	0																										$ -		
		1303-TRIM	Trim Coil Design	10/2/2006	1/10/2007	65							238																					
		184-015	Title III WBS 133 Rxt Trim Coils	1/11/2007	8/7/2007	147							121																				$ 3.0	
		184-035	Bid & Award Ext Trim Coils	1/11/2007	3/14/2007	45																										$ -		
		184-036	Award External Trim Coils	(blank)	3/14/2007	0																										$ -		
		184-037	External Trim Coil Procurement/Fab*ecp16	3/15/2007	7/17/2007	87																							$ 25.0					
	1355	133-015	Title III WBS 134 Conv Coil I&C	10/9/2006	4/18/2007	130							2									6												
		133-037	Conv Coil I&C WBS 134 Proc & Install	10/2/2006	4/11/2007	130																123	491						$ 9.2					
		1355-100	CS and PF 1a Pre-Assy incl coil I&C procurement	8/19/2008	9/9/2008	15																	240											
	1361	131-031	Title III engr (FDR through 1st coil test 75%)	3/14/2006	6/30/2006	78							388																					
		131-032	Title III engr (completion of coils 10%)	10/2/2006	11/19/2007	285							188																					
		131-033	Winding operations field oversight	10/3/2005	11/19/2007	534																200												
		1351-110A	Assemble TF to Wedge Casting TF#1	6/15/2006	6/22/2006	6																	96											
		1351-115A	Assemble TF to Wedge Casting TF#2	11/22/2006	11/28/2006	3																	70											
		1351-120A	Assemble TF to Wedge Casting TF#3	1/19/2007	1/23/2007	3																	55											
		1351-125A	Assemble TF to Wedge Casting TF#4	1/24/2007	1/26/2007	3																	55											
		1351-130A	Assemble TF to Wedge Casting TF#5	3/2/2007	3/6/2007	3																	50											
		1351-135A	Assemble TF to Wedge Casting TF#6	3/7/2007	3/9/2007	3																	50											
		1351-140A	Assemble TF to Wedge Casting TF#7	4/13/2007	4/17/2007	3																	3											
		1351-145A	Assemble TF to Wedge Casting TF#8	4/18/2007	4/20/2007	3																	30											

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WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
13	1361	1351-150A	Assemble TF to Wedge Casting TF#9	5/25/2007	5/30/2007	3																	24											
		1351-155A	Assemble TF to Wedge Casting TF#10	5/31/2007	6/4/2007	3																	24											
		1351-160A	Assemble TF to Wedge Casting TF#11	7/9/2007	7/11/2007	3																	24											
		1351-165A	Assemble TF to Wedge Casting TF#12	7/12/2007	7/16/2007	3																	24											
		1351-170A	Assemble TF to Wedge Casting TF#13	8/20/2007	8/22/2007	3																	24											
		1351-175A	Assemble TF to Wedge Casting TF#14	8/23/2007	8/27/2007	3																	24											
		1351-180A	Assemble TF to Wedge Casting TF#15	10/1/2007	10/3/2007	3																	24											
		1351-185A	Assemble TF to Wedge Casting TF#16	10/4/2007	10/8/2007	3																	24											
		1351-190A	Assemble TF to Wedge Casting TF#17	11/12/2007	11/14/2007	3																	24											
		1351-195A	Assemble TF to Wedge Casting TF#18	11/15/2007	11/19/2007	3																	24											
		1351-195X	ALL TF COILS DELIVERED	(blank)	11/19/2007	0																									$ -			
		1351-512	Prepare braze samples	10/17/2005	11/4/2005	15																80												
		1351-513	Develop brzae techniques	11/7/2005	11/29/2005	15																	60											
		1351-514	Braze conductor samples	11/30/2005	12/20/2005	15																	60											
		1351-515	Test brazed samples	12/21/2005	1/18/2006	15																80												
		1351-547	Conductor Preparation	1/3/2006	1/31/2006	21																	336											
		1351-549	Wind Coil #1	3/14/2006	4/27/2006	33																	360											
		1351-551	Wind Coil #2	10/2/2006	10/20/2006	15																	270											
		1351-553	Wind Coil #3	10/23/2006	11/10/2006	15																	200											
		1351-555	Wind Coil #4	11/13/2006	12/5/2006	15																	200											
		1351-557	Wind Coil #5	12/6/2006	1/3/2007	15																	80											
		1351-559	Wind Coil #6	1/4/2007	1/24/2007	15																	80											
		1351-561	Wind Coil #7	1/25/2007	2/14/2007	15																	80											
		1351-563	Wind Coil #8	2/15/2007	3/7/2007	15																	80											
		1351-565	Wind Coil #9	3/8/2007	3/28/2007	15																	80											
		1351-567	Wind Coil #10	3/29/2007	4/18/2007	15																	80											
		1351-569	Wind Coil #11	4/19/2007	5/9/2007	15																	80											
		1351-571	Wind Coil #12	5/10/2007	5/31/2007	15																	80											
		1351-573	Wind Coil #13	6/1/2007	6/21/2007	15																	80											
		1351-575	Wind Coil #14	6/22/2007	7/12/2007	15																	80											
		1351-577	Wind Coil #15	7/13/2007	8/2/2007	15																	80											
		1351-579	Wind Coil #16	8/3/2007	8/23/2007	15																	80											
		1351-581	Wind Coil #17	8/24/2007	9/13/2007	15																	80											
		1351-583	Wind Coil #18	9/14/2007	10/4/2007	15																	80											
		1351-649	GW & Apply Mold Coil #1	4/28/2006	5/15/2006	12																	160											
		1351-651	GW & Apply Mold Coil #2	10/23/2006	10/31/2006	7																	120											
		1351-653	GW & Apply Mold Coil #3	11/13/2006	11/21/2006	7																	90											
		1351-655	GW & Apply Mold Coil #4	12/6/2006	12/14/2006	7																	90											
		1351-657	GW & Apply Mold Coil #5	1/4/2007	1/12/2007	7																	35											
		1351-659	GW & Apply Mold Coil #6	1/25/2007	2/2/2007	7																	35											
		1351-661	GW & Apply Mold Coil #7	2/15/2007	2/23/2007	7																	35											
		1351-663	GW & Apply Mold Coil #8	3/8/2007	3/16/2007	7																	35											
		1351-665	GW & Apply Mold Coil #9	3/29/2007	4/6/2007	7																	35											
		1351-667	GW & Apply Mold Coil #10	4/19/2007	4/27/2007	7																	35											
		1351-669	GW & Apply Mold Coil #11	5/10/2007	5/18/2007	7																	35											
		1351-671	GW & Apply Mold Coil #12	6/1/2007	6/11/2007	7																	35											
		1351-673	GW & Apply Mold Coil #13	6/22/2007	7/2/2007	7																	35											
		1351-675	GW & Apply Mold Coil #14	7/13/2007	7/23/2007	7																	35											
		1351-677	GW & Apply Mold Coil #15	8/3/2007	8/13/2007	7																	35											
		1351-679	GW & Apply Mold Coil #16	8/24/2007	9/3/2007	7																	35											
		1351-681	GW & Apply Mold Coil #17	9/14/2007	9/24/2007	7																	35											
		1351-683	GW & Apply Mold Coil #18	10/5/2007	10/15/2007	7																	35											
		1351-751	VPI Coil #1	5/16/2006	6/2/2006	13																	312											
		1351-752	VPI Coil #2	11/1/2006	11/17/2006	13																	234											
		1351-755	VPI Coil #3 & #4	12/15/2006	1/16/2007	17																	175											
		1351-759	VPI Coil #5 & #6	2/5/2007	2/27/2007	17																	175											
		1351-763	VPI Coil #7 & #8	3/19/2007	4/10/2007	17																	75											
		1351-767	VPI Coil #9 & #10	4/30/2007	5/22/2007	17																	75											
		1351-771	VPI Coil #11 & #12	6/12/2007	7/4/2007	17																	75											
		1351-775	VPI Coil #13 & #14	7/24/2007	8/15/2007	17																	75											
		1351-779	VPI Coil #15 & #16	9/4/2007	9/26/2007	17																	75											
		1351-783	VPI Coil #17 & #18	10/16/2007	11/7/2007	17																	75											
		1351-848	Prep & setup for warm test	5/5/2006	6/2/2006	20																80												
		1351-849	Warm Test Coil #1	6/5/2006	6/6/2006	2																	16											
		1351-851	Warm Test Coil #2	11/20/2006	11/21/2006	2																	10											
		1351-853	Warm Test Coil #3	1/17/2007	1/18/2007	2																	10											
		1351-855	Warm Test Coil #4	1/19/2007	1/22/2007	2																	10											
		1351-857	Warm Test Coil #5	2/28/2007	3/1/2007	2																	8											
		1351-859	Warm Test Coil #6	3/2/2007	3/5/2007	2																	8											
		1351-861	Warm Test Coil #7	4/11/2007	4/12/2007	2																	8											
		1351-863	Warm Test Coil #8	4/13/2007	4/16/2007	2																	8											
		1351-865	Warm Test Coil #9	5/23/2007	5/24/2007	2																	6											
		1351-867	Warm Test Coil #10	5/25/2007	5/29/2007	2																	6											
		1351-869	Warm Test Coil #11	7/5/2007	7/6/2007	2																	6											
		1351-871	Warm Test Coil #12	7/9/2007	7/10/2007	2																	6											
		1351-873	Warm Test Coil #13	8/16/2007	8/17/2007	2																	6											
		1351-875	Warm Test Coil #14	8/20/2007	8/21/2007	2																	6											
		1351-877	Warm Test Coil #15	9/27/2007	9/28/2007	2																	6											
		1351-879	Warm Test Coil #16	10/1/2007	10/2/2007	2																	6											
		1351-881	Warm Test Coil #17	11/8/2007	11/9/2007	2																	6											
		1351-883	Warm Test Coil #18	11/12/2007	11/13/2007	2																	6											
		1351-901	Build Cryostat for teststand to hold TF coil	5/9/2006	6/6/2006	20																	80						$ 3.0					
		1351-905	Cold test #1 BEFORE casting applied	6/7/2006	6/14/2006	6																32	72											
		1351-910	Cold test #1 again AFTER casting applied	6/23/2006	6/30/2006	6																32	72											

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Sum of Budget Remaining

org resource RES

							ORNL					PPPL																					
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)				
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
14	1403	1403-20.0	Final Design Close-out for Type C	(blank)	10/31/2005	0																										$ -		
		1403-20.2	Resolve FDR chits	8/1/2005	10/17/2005	56		20																										
		1403-200	Side A/B winding pack assy-Type C	1/1/2004	10/14/2005	452		24																										
		1403-203C	Finish Clamp Dwgs (5)-Type C	3/1/2005	10/14/2005	162		10																										
		1403-206.1	Cooling tubes/services assy- Type C	4/25/2005	10/14/2005	123		24																										
		1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	3/1/2005	10/14/2005	162		16																										
		1403-208C	Finish I&C Dwgs -Type C	3/1/2005	10/14/2005	162		16																										
		1403-223C	Finish Top level coil assembly-Type C	3/1/2005	10/14/2005	162		16																										
		1403-224C	Finish VPI mold assembly-Type C	3/1/2005	10/14/2005	162		8																										
		1403-40.2Z	Update nonlinear winding pack analysis	8/1/2004	10/14/2005	304		52																					$ 0.5					
		1403-42A1	Document analysis of MCWF eddy currents	10/3/2005	10/31/2005	21																										$ -		
		1403-42H	calculate EM loads at leads	9/1/2005	10/31/2005	43		24																										
		1403-47A	Update,review & approve FMECA	9/26/2005	10/28/2005	20		36																										
		1403-47C	Perform cool-down/warmup analysis	10/3/2005	10/31/2005	21							40																					
		1403-506	Chill plate dwgs approved for fabrication	10/3/2005	10/3/2005	1																										$ -		
		1403-50A	Check inductance calculation	10/3/2005	10/31/2005	21		40																										
		1403-510	Clamp and assy dwgs approved for fabrication	10/17/2005	10/17/2005	1																										$ -		
		1403-58C	Check and promote clamp, I&C assy dwgs -Type C	6/1/2005	10/14/2005	97		20																										
		1403-59	Type-C product specifications	5/2/2005	10/14/2005	118		4																										
		1403-60C	Finish Update design basis document	5/2/2005	10/14/2005	118		32																										
		1403-70.05	Update MIT/QA Plans for Type C Winding Fab	9/1/2005	10/21/2005	36		20																										
		1403-73	Prep struct analysis report	5/1/2005	10/31/2005	129		40																										
		1403-76	Structural analysis of leads	10/1/2004	10/31/2005	272		40																										
		1403-90	Compile Material properties database	10/1/2004	10/31/2005	272							12																					
	1408	1408-117	Epoxy -1st Delivery for Production	2/1/2006	2/28/2006	20																							$ 15.0					
		1408-119	Epoxy -2nd Delivery for Production	4/7/2006	5/4/2006	20																							$ 15.0					
		1408-121	Epoxy -3rd Delivery for Production	10/26/2006	11/22/2006	20																							$ 15.0					
		1408-123	Epoxy -4th Delivery for Production	1/4/2007	1/31/2007	20																							$ 15.0					
		1408-125	Epoxy -5th Delivery for Production	2/1/2007	2/28/2007	20																							$ 15.0					
		1408-127	Epoxy -6th Delivery for Production	4/9/2007	5/4/2007	20																							$ 15.0					
		1408-137	Safety & PPE equipt & supplies	5/1/2005	1/31/2008	689																							$ 12.0					
		1408-138	Misc. Supplies	7/1/2005	1/31/2008	646																							$ 6.0					
		1408-146	Add'l Copper Conductor f/trial winding PE005371	7/25/2005	10/31/2005	71																							$ -					
		1408-173	Epoxy for Shell Mold (Hysol)	10/3/2005	1/31/2008	581																							$ 18.0					
		1408-183	Tubing (Chem flor and Poly)	9/1/2005	12/6/2005	67																							$ 17.5					
		1408-184	Vulcanizing tape, felt and RTV	10/3/2005	12/6/2005	45																							$ 22.0					
		1408-185	Valves and Fittings	8/1/2005	10/31/2005	66																							$ 4.8					
		1408-501	Submet Requisition for Type C Cladding	10/3/2005	10/3/2005	1																										$ -		
		1408-503	Bid and Award Type C Cladding	10/4/2005	10/31/2005	20																										$ -		
		1408-507	PPPL Fabr Cladding Type C for Coil c2	11/1/2005	11/21/2005	15																							$ 2.8					
		1408-509	Fabr Cladding Type C for Coil c3	11/1/2005	11/21/2005	15																							$ 2.8					
		1408-511	Fabr Cladding Type C for Coil c4	11/22/2005	12/14/2005	15																							$ 2.8					
		1408-513	Fabr Cladding Type C for Coil c5	12/15/2005	1/12/2006	15																							$ 2.8					
		1408-515	Fabr Cladding Type C for Coil c6	1/13/2006	2/2/2006	15																							$ 2.8					
		1408-517	Submet Requisition for Type A Cladding	10/31/2005	11/4/2005	5																										$ -		
		1408-519	Bid and Award Type A Cladding	11/7/2005	12/20/2005	30																										$ -		
		1408-521	Fabr Cladding Type A for Coil a1	12/21/2005	1/18/2006	15																							$ 2.8					
		1408-523	Fabr Cladding Type A for Coil a2	1/19/2006	2/8/2006	15																							$ 2.8					
		1408-525	Fabr Cladding Type A for Coil a3	2/9/2006	3/1/2006	15																							$ 2.8					
		1408-527	Fabr Cladding Type A for Coil a4	3/2/2006	3/22/2006	15																							$ 2.8					
		1408-529	Fabr Cladding Type A for Coil a5	3/23/2006	4/12/2006	15																							$ 2.8					
		1408-531	Fabr Cladding Type A for Coil a6	4/13/2006	5/3/2006	15																							$ 2.8					
		1408-533	Submet Requisition for Type B Cladding	2/9/2006	2/15/2006	5																										$ -		
		1408-535	Bid and Award Type B Cladding	2/16/2006	3/29/2006	30																										$ -		
		1408-537	Fabr Cladding Type B for Coil b1	3/30/2006	4/19/2006	15																							$ 2.8					
		1408-539	Fabr Cladding Type B for Coil b2	4/20/2006	5/10/2006	15																							$ 2.8					
		1408-541	Fabr Cladding Type B for Coil b3	5/11/2006	6/1/2006	15																							$ 2.8					
		1408-543	Fabr Cladding Type B for Coil b4	6/2/2006	6/22/2006	15																							$ 2.8					
		1408-545	Fabr Cladding Type B for Coil b5	6/23/2006	7/14/2006	15																							$ 2.8					
		1408-547	Fabr Cladding Type B for Coil b6	7/17/2006	8/4/2006	15																							$ 2.8					
		1408-601	Submet Requisition for Type C Chill Plts	10/4/2005	10/10/2005	5																										$ -		
		1408-603	Bid and Award Type C Chill Plts	10/11/2005	11/21/2005	30																										$ -		
		1408-605	Fabr Chill Plts Type C for Coil c1	11/22/2005	12/21/2005	20																							$ 2.8					
		1408-607	Fabr Chill Plts Type C for Coil c2	12/22/2005	1/26/2006	20																							$ 2.8					
		1408-609	Fabr Chill Plts Type C for Coil c3	1/27/2006	2/23/2006	20																							$ 2.8					
		1408-611	Fabr Chill Plts Type C for Coil c4	2/24/2006	3/23/2006	20																							$ 2.8					
		1408-613	Fabr Chill Plts Type C for Coil c5	3/24/2006	4/20/2006	20																							$ 2.8					
		1408-615	Fabr Chill Plts Type C for Coil c6	4/21/2006	5/18/2006	20																							$ 2.8					
		1408-617	Submet Requisition for Type A Chill Plts	12/14/2005	12/20/2005	5																										$ -		
		1408-619	Bid and Award Type A Chill Plts	12/21/2005	2/8/2006	30																										$ -		
		1408-621	Fabr Chill Plts Type A for Coil a1	2/9/2006	3/8/2006	20																							$ 2.8					
		1408-623	Fabr Chill Plts Type A for Coil a2	3/9/2006	4/5/2006	20																							$ 2.8					
		1408-625	Fabr Chill Plts Type A for Coil a3	4/6/2006	5/3/2006	20																							$ 2.8					
		1408-627	Fabr Chill Plts Type A for Coil a4	5/4/2006	6/1/2006	20																							$ 2.8					
		1408-629	Fabr Chill Plts Type A for Coil a5	6/2/2006	6/29/2006	20																							$ 2.8					
		1408-631	Fabr Chill Plts Type A for Coil a6	6/30/2006	7/28/2006	20																							$ 2.8					
		1408-633	Submet Requisition for Type B Chill Plts	4/11/2006	4/17/2006	5																										$ -		
		1408-635	Bid and Award Type B Chill Plts	4/18/2006	5/30/2006	30																										$ -		
		1408-637	Fabr Chill Plts Type B for Coil b1	5/31/2006	6/27/2006	20																							$ 2.8					
		1408-639	Fabr Chill Plts Type B for Coil b2	6/28/2006	7/26/2006	20																							$ 2.8					
		1408-641	Fabr Chill Plts Type B for Coil b3	7/27/2006	8/23/2006	20																							$ 2.8					
		1408-643	Fabr Chill Plts Type B for Coil b4	8/24/2006	9/20/2006	20																							$ 2.8					
		1408-645	Fabr Chill Plts Type B for Coil b5	9/21/2006	10/18/2006	20																							$ 2.8					
		1408-647	Fabr Chill Plts Type B for Coil b6	10/19/2006	11/15/2006	20																							$ 2.8					

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Sum of Budget Remaining

							org	resource	RES																									
							ORNL					PPPL																						
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
14	1408	1408-705	Fabr Lead HW Type C for Coil c1	7/1/2005	11/10/2005	94																								$ 35.2				
		1408-707	Fabr Lead HW Type C for Coil c2	7/1/2005	11/15/2005	97																								$ 9.4				
		1408-709	Fabr Lead HW Type C for Coil c3	10/3/2005	12/1/2005	42																								$ 19.1				
		1408-711	Fabr Lead HW Type C for Coil c4	12/2/2005	1/6/2006	20																								$ 19.1				
		1408-713	Fabr Lead HW Type C for Coil c5	1/9/2006	2/3/2006	20																								$ 19.1				
		1408-715	Fabr Lead HW Type C for Coil c6	2/6/2006	3/3/2006	20																								$ 19.1				
		1408-717	Submet Requisition for Type A Lead HW	12/9/2005	12/15/2005	5																										$ -		
		1408-719	Bid and Award Type A Lead HW	12/16/2005	2/3/2006	30																										$ -		
		1408-721	Fabr Lead HW Type A for Coil a1	2/6/2006	3/3/2006	20																								$ 19.1				
		1408-723	Fabr Lead HW Type A for Coil a2	3/6/2006	3/31/2006	20																								$ 19.1				
		1408-725	Fabr Lead HW Type A for Coil a3	4/3/2006	4/28/2006	20																								$ 19.1				
		1408-727	Fabr Lead HW Type A for Coil a4	5/1/2006	5/26/2006	20																								$ 19.1				
		1408-729	Fabr Lead HW Type A for Coil a5	5/30/2006	6/26/2006	20																								$ 19.1				
		1408-731	Fabr Lead HW Type A for Coil a6	6/27/2006	7/25/2006	20																								$ 19.1				
		1408-733	Submet Requisition for Type B Lead HW	2/24/2006	3/2/2006	5																										$ -		
		1408-735	Bid and Award Type B Lead HW	3/3/2006	4/13/2006	30																										$ -		
		1408-737	Fabr Lead HW Type B for Coil b1	4/14/2006	5/11/2006	20																								$ 19.1				
		1408-739	Fabr Lead HW Type B for Coil b2	5/12/2006	6/9/2006	20																								$ 19.1				
		1408-741	Fabr Lead HW Type B for Coil b3	6/12/2006	7/10/2006	20																								$ 19.1				
		1408-743	Fabr Lead HW Type B for Coil b4	7/11/2006	8/7/2006	20																								$ 19.1				
		1408-745	Fabr Lead HW Type B for Coil b5	8/8/2006	9/4/2006	20																								$ 19.1				
		1408-747	Fabr Lead HW Type B for Coil b6	9/5/2006	10/2/2006	20																								$ 19.1				
		1408-761	Submet Requisition for Tubing	10/17/2005	10/21/2005	5																										$ -		
		1408-763	Bid and Award Tubing	10/24/2005	11/11/2005	15																										$ -		
		1408-765	Deliver Tubing	11/14/2005	11/29/2005	10																								$ 2.0				
		1408-901	Submet Requisition for Type C Clamps	10/18/2005	10/24/2005	5																										$ -		
		1408-903	Bid and Award Type C Clamps	10/25/2005	12/21/2005	40																										$ -		
		1408-905	Fabr Clamps Type C for Coil c1	12/22/2005	2/9/2006	30																								$ 15.0				
		1408-907	Fabr Clamps Type C for Coil c2	2/10/2006	3/23/2006	30																								$ 15.0				
		1408-909	Fabr Clamps Type C for Coil c3	3/24/2006	5/4/2006	30																								$ 15.0				
		1408-911	Fabr Clamps Type C for Coil c4	5/5/2006	6/16/2006	30																								$ 15.0				
		1408-913	Fabr Clamps Type C for Coil c5	6/19/2006	7/31/2006	30																								$ 15.0				
		1408-915	Fabr Clamps Type C for Coil c6	6/19/2007	7/30/2007	30																								$ 15.0				
		1408-917	Submet Requisition for Type A Clamps	10/26/2005	11/1/2005	5																										$ -		
		1408-919	Bid and Award Type A Clamps	11/2/2005	1/6/2006	40																										$ -		
		1408-921	Fabr Clamps Type A for Coil a1	1/9/2006	2/17/2006	30																								$ 15.0				
		1408-923	Fabr Clamps Type A for Coil a2	2/20/2006	3/31/2006	30																								$ 15.0				
		1408-925	Fabr Clamps Type A for Coil a3	4/3/2006	5/12/2006	30																								$ 15.0				
		1408-927	Fabr Clamps Type A for Coil a4	5/15/2006	6/26/2006	30																								$ 15.0				
		1408-929	Fabr Clamps Type A for Coil a5	6/27/2006	8/8/2006	30																								$ 15.0				
		1408-931	Fabr Clamps Type A for Coil a6	8/9/2006	9/19/2006	30																								$ 15.0				
		1408-933	Submet Requisition for Type B Clamps	1/27/2006	2/2/2006	5																										$ -		
		1408-935	Bid and Award Type B Clamps	2/3/2006	3/30/2006	40																										$ -		
		1408-937	Fabr Clamps Type B for Coil b1	3/31/2006	5/11/2006	30																								$ 15.0				
		1408-939	Fabr Clamps Type B for Coil b2	5/12/2006	6/23/2006	30																								$ 15.0				
		1408-941	Fabr Clamps Type B for Coil b3	6/26/2006	8/7/2006	30																								$ 15.0				
		1408-943	Fabr Clamps Type B for Coil b4	8/8/2006	9/18/2006	30																								$ 15.0				
		1408-945	Fabr Clamps Type B for Coil b5	9/19/2006	10/30/2006	30																								$ 15.0				
		1408-947	Fabr Clamps Type B for Coil b6	10/31/2006	12/13/2006	30																								$ 15.0				
		174-035	Modular Coil local I&C -Procurement	10/17/2005	1/18/2006	60																								$ 13.3				
	1411	172-031.1	Title III engr	10/3/2005	3/1/2007	350		107		$ 12.0			640																				$ 14.0	
		C-501B1	Last MCWF Delivered	(blank)	2/21/2007	0																										$ -		
		MCWF-001	EIO Project Mgt. & Reporting	10/29/2004	10/2/2006	497																									$ 418.1			
		MCWF-091	C2-MTM - machining/inspection	6/28/2005	11/28/2005	106																									$ 38.7			
		MCWF-101	C2-Receive at PPPL	(blank)	11/29/2005	0																									$ -			
		MCWF-121	A1-MTM - machining/inspection	9/9/2005	5/5/2006	93																									$ 139.4			
		MCWF-131	A1-Receive at PPPL	(blank)	5/10/2006	0																									$ -			
		MCWF-151	C3-MTM - machining/inspection	9/20/2005	1/11/2006	74																									$ 147.2			
		MCWF-161	C3-Receive at PPPL	(blank)	1/13/2006	0																									$ -			
		MCWF-171	A2-MTK-casting	8/17/2005	1/11/2006	65																									$ 71.5			
		MCWF-181	A2-MTM - machining/inspection	2/28/2006	6/6/2006	70																									$ 154.9			
		MCWF-191	A2-Receive at PPPL	(blank)	6/8/2006	0																									$ -			
		MCWF-201	C4-MTK-casting	5/16/2005	11/4/2005	122																									$ 21.4			
		MCWF-211	C4-MTM - machining/inspection	11/7/2005	2/27/2006	73																									$ 147.2			
		MCWF-221	C4-Receive at PPPL	(blank)	3/1/2006	0																									$ -			
		MCWF-231	B1-MTK-casting	9/16/2005	3/1/2006	111																									$ 135.8			
		MCWF-241	B1-MTM - machining/inspection	3/24/2006	7/17/2006	80																									$ 154.9			
		MCWF-251	B1-Receive at PPPL	(blank)	7/19/2006	0																									$ -			
		MCWF-261	C5-MTK-casting	5/30/2005	11/21/2005	123																									$ 35.7			
		MCWF-271	C5-MTM - machining/inspection	11/22/2005	3/9/2006	70																									$ 151.8			
		MCWF-281	C5-Receive at PPPL	(blank)	3/13/2006	0																									$ -			
		MCWF-291	C6-MTK-casting	6/16/2005	12/7/2005	121																									$ 50.0			
		MCWF-301	C6-MTM - machining/inspection	12/8/2005	3/23/2006	70																									$ 154.9			
		MCWF-311	C6-Receive at PPPL	(blank)	3/27/2006	0																									$ -			
		MCWF-321	B2-MTK-casting	3/8/2006	6/21/2006	75																									$ 142.9			
		MCWF-331	B2-MTM - machining/inspection	7/18/2006	10/31/2006	75																									$ 154.9			
		MCWF-341	B2-Receive at PPPL	(blank)	11/2/2006	0																									$ -			
		MCWF-351	A3-MTK-casting	9/26/2005	2/16/2006	96																									$ 140.2			
		MCWF-361	A3-MTM - machining/inspection	3/10/2006	6/16/2006	70																									$ 154.9			
		MCWF-371	A3-Receive at PPPL	(blank)	6/21/2006	0																									$ -			
		MCWF-381	A4-MTK-casting	12/15/2005	4/6/2006	75																									$ 142.9			
		MCWF-391	A4-MTM - machining/inspection	5/8/2006	8/15/2006	70																									$ 154.9			
		MCWF-401	A4-Receive at PPPL	(blank)	8/18/2006	0																									$ -			
		MCWF-411	A5-MTK-casting	1/20/2006	5/4/2006	75																									$ 142.9			

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Sum of Budget Remaining

							org	resource	RES																									
							ORNL					PPPL																						
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
14	1411	MCWF-421	A5-MTM - machining/inspection	6/7/2006	9/14/2006	70																									$ 154.9			
		MCWF-431	A5-Receive at PPPL	(blank)	9/19/2006	0																									$ -			
		MCWF-441	A6-MTK-casting	2/20/2006	6/5/2006	75																									$ 142.9			
		MCWF-451	A6-MTM - machining/inspection	6/19/2006	9/26/2006	70																									$ 155.0			
		MCWF-461	A6-Receive at PPPL	(blank)	9/28/2006	0																									$ -			
		MCWF-471	B3-MTK-casting	3/23/2006	7/7/2006	75																									$ 142.9			
		MCWF-481	B3-MTM - machining/inspection	8/16/2006	11/22/2006	70																									$ 154.9			
		MCWF-491	B3-Receive at PPPL	(blank)	11/28/2006	0																							-		$ -			
		MCWF-501	B4-MTK-casting	5/1/2006	8/15/2006	75																									$ 142.9			
		MCWF-511	B4-MTM - machining/inspection	9/15/2006	1/2/2007	70																									$ 154.9			
		MCWF-521	B4-Receive at PPPL	(blank)	1/4/2007	0																									$ -			
		MCWF-531	B5-MTK-casting	6/1/2006	9/15/2006	75																									$ 142.9			
		MCWF-541	B5-MTM - machining/inspection	9/27/2006	1/12/2007	70																									$ 154.9			
		MCWF-551	B5-Receive at PPPL	(blank)	1/17/2007	0																									$ -			
		MCWF-561	B6-MTK-casting	6/15/2006	9/29/2006	75																									$ 142.9			
		MCWF-571	B6-MTM - machining/inspection	11/1/2006	2/16/2007	70																									$ 154.9			
		MCWF-581	B6-Receive at PPPL	(blank)	2/21/2007	0																									$ -			
	1414	1406-023	Hi-pot & Dissect Coil	10/10/2005	10/14/2005	5																	80											
		1409-130	Production Cryostat Design	9/26/2005	10/31/2005	26															20													
		1409-135	Production Cryostat Fabr & Install	11/1/2005	12/2/2005	22																	265							$ 10.0				
		1409-136	Valve/pump repairs&safety mods to cryo pp sys	11/1/2005	12/1/2005	21															20		200							$ 3.0				
		1409-199	Closed Loop Facility Available for Production MC	(blank)	12/2/2005	0																										$ -		
		P1-021	Test Coil (Coil Test Stand) C1	3/30/2006	4/7/2006	7												16	20	72	28		176											
		P1-021.1	Complete First Mod Coil Fabrication C1	(blank)	4/7/2006	0																										$ -		
		P1-051	Test Coil (Coil Test Stand) B1	1/3/2007	1/11/2007	7												16	20	72	28		176											
		P2-021	Test Coil (Coil Test Stand) A1	9/1/2006	9/12/2006	7												16	20	72	28		176											
	1416	1416A-105	-Subasm Shrinkwrap	12/15/2005	12/21/2005	5		40																										
		1416A-109	-Check and Promote	12/22/2005	1/5/2006	5		20																										
		1416A-113	MCWF mods-As-Built MCWF	8/1/2005	10/7/2005	50		40																										
		1416A-117	MCWF mods-Studs, Lead Block Mount	10/10/2005	10/14/2005	5		40																										
		1416A-121	MCWF mods-Seal Groove Adapter	10/17/2005	10/21/2005	5		40																										
		1416A-125	MCWF mods-Metrology Data Files	10/24/2005	10/26/2005	3		20																										
		1416A-129	MCWF mods-Check and Promote	10/27/2005	11/2/2005	5		20																										
		1416A-133	Lead Block Assy-Lead Blocks	10/3/2005	10/28/2005	20		80																										
		1416A-137	Lead Block Assy-Top and Side Plates	10/24/2005	11/18/2005	20		80																										
		1416A-141	Lead Block Assy-Detail Parts, Intralink	11/21/2005	11/23/2005	3		40																										
		1416A-145	Lead Block Assy-Filament Data Files	11/23/2005	12/1/2005	5		20																										
		1416A-149	Lead Block Assy-Check and Promote	12/2/2005	12/8/2005	5		20																										
		1416A-153	Lead Terminals-Splice Plates	10/25/2005	10/27/2005	3		20																										
		1416A-157	Lead Terminals-Check and Promote	10/28/2005	11/3/2005	5		20																										
		1416A-161	Side A Coil Assy-Cladding Asm	9/1/2005	10/28/2005	42		46																										
		1416A-165	Side A Coil Assy-Cond Layers, Geom Files	10/31/2005	11/4/2005	5		40																										
		1416A-169	Side A Coil Assy-Magnetic Loops	11/10/2005	11/14/2005	3		20																										
		1416A-173	Side A Coil Assy-Chill Plates and Tubing	10/31/2005	12/13/2005	30		240																										
		1416A-177	Side A Coil Assy-Check and Promote	12/14/2005	1/4/2006	10		40																										
		1416A-181	Side B Coil Assy-Cladding Asm	9/1/2005	10/28/2005	42							46																					
		1416A-185	Side B Coil Assy-Cond Layers, Geom Files	11/1/2005	11/7/2005	5		40																										
		1416A-189	Side B Coil Assy-Magnetic Loops	11/14/2005	11/16/2005	3		20																										
		1416A-193	Side B Coil Assy-Chill Plates and Tubing	10/31/2005	12/13/2005	30							240																					
		1416A-197	Side B Coil Assy-Check and Promote	12/14/2005	1/4/2006	10		40																										
		1416A-201	Coil Post VPI mods-Studs Removed	10/31/2005	11/2/2005	3		20																										
		1416A-205	Coil Post VPI mods-Clamp Arrangement	11/3/2005	11/9/2005	5		40																										
		1416A-209	Coil Post VPI mods-Check and Promote	11/10/2005	11/16/2005	5		20																										
		1416A-213	Clamp Assy-Clamp Hardware	10/24/2005	10/24/2005	1		4																										
		1416A-217	Clamp Assy-Check and Promote	10/25/2005	10/25/2005	1		4																										
		1416A-221	I&C-Strain Gages and T/C	12/9/2005	12/13/2005	3		20																										
		1416A-225	I&C-Rogowski Coils	12/2/2005	12/8/2005	5		40																										
		1416A-229	I&C-Check and Promote	12/14/2005	12/20/2005	5		20																										
		1416A-233	Coil-to-Coil -Current Feed Insul, Covers	11/15/2005	11/21/2005	5		20																										
		1416A-237	Coil-to-Coil -Windings Insul Blanket	11/10/2005	11/16/2005	5		20																										
		1416A-241	Coil-to-Coil -Bushing Installation	11/18/2005	11/28/2005	5		20																										
		1416A-245	Coil-to-Coil -Check and Promote	11/29/2005	12/5/2005	5		20																										
		1416A-249	-Type-A Coil Asm Specification	12/20/2005	1/3/2006	5		40																										
		1416A-253	-Review and Approve Type-A Spec	1/4/2006	1/10/2006	5		20																										
		1416A-257	-Update Coil Fab Procedures	1/11/2006	1/17/2006	5		20																										
		1416A-261	-Prepare and Conduct FDR	1/18/2006	1/24/2006	5		40																										
		1416A-262	TYPE A FDR	(blank)	1/24/2006	0																										$ -		
		1416A-265	-Resolve FDR Comments	1/25/2006	2/7/2006	10		40																										
		1416B-105	-Subasm Shrinkwrap	4/11/2006	4/17/2006	5		40																										
		1416B-109	-Check and Promote	4/18/2006	4/24/2006	5		20																										
		1416B-113	MCWF mods-As-Built MCWF	1/3/2006	1/9/2006	5		40																										
		1416B-117	MCWF mods-Studs, Lead Block Mount	1/10/2006	1/16/2006	5		40																										
		1416B-121	MCWF mods-Seal Groove Adapter	1/18/2006	1/24/2006	5		40																										
		1416B-125	MCWF mods-Metrology Data Files	1/23/2006	1/25/2006	3		20																										
		1416B-129	MCWF mods-Check and Promote	1/26/2006	2/1/2006	5		20																										
		1416B-133	Lead Block Assy-Lead Blocks	12/5/2005	1/9/2006	20		80																										
		1416B-137	Lead Block Assy-Top and Side Plates	1/5/2006	2/1/2006	20		80																										
		1416B-141	Lead Block Assy-Detail Parts, Intralink	2/10/2006	2/16/2006	5		40																										
		1416B-145	Lead Block Assy-Filament Data Files	2/6/2006	2/10/2006	5		20																										
		1416B-149	Lead Block Assy-Check and Promote	2/17/2006	2/23/2006	5		20																										
		1416B-153	Lead Terminals-Splice Plates	1/26/2006	2/1/2006	5		20																										
		1416B-157	Lead Terminals-Check and Promote	2/2/2006	2/8/2006	5		20																										
		1416B-161	Side A Coil Assy-Cladding Asm	12/14/2005	2/8/2006	35		280																										
		1416B-165	Side A Coil Assy-Cond Layers, Geom Files	1/30/2006	2/3/2006	5		40																										

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Sum of Budget Remaining

							org	resource	RES																									
							ORNL					PPPL																						
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
14	1416	1416B-169	Side A Coil Assy-Magnetic Loops	2/3/2006	2/9/2006	5		20																										
		1416B-173	Side A Coil Assy-Chill Plates and Tubing	2/7/2006	4/10/2006	45		360																										
		1416B-177	Side A Coil Assy-Check and Promote	4/11/2006	4/24/2006	10		40																										
		1416B-181	Side B Coil Assy-Cladding Asm	12/14/2005	2/8/2006	35							280																					
		1416B-185	Side B Coil Assy-Cond Layers, Geom Files	1/30/2006	2/3/2006	5		40																										
		1416B-189	Side B Coil Assy-Magnetic Loops	2/3/2006	2/9/2006	5		20																										
		1416B-193	Side B Coil Assy-Chill Plates and Tubing	2/7/2006	4/10/2006	45							360																					
		1416B-197	Side B Coil Assy-Check and Promote	4/11/2006	4/24/2006	10		40																										
		1416B-201	Coil Post VPI mods-Studs Removed	1/31/2006	2/6/2006	5		20																										
		1416B-205	Coil Post VPI mods-Clamp Arrangement	2/3/2006	2/9/2006	5		40																										
		1416B-209	Coil Post VPI mods-Check and Promote	2/10/2006	2/16/2006	5		20																										
		1416B-213	Clamp Assy-Clamp Hardware	1/25/2006	1/25/2006	1		4																										
		1416B-217	Clamp Assy-Check and Promote	1/26/2006	1/26/2006	1		4																										
		1416B-221	I&C-Strain Gages and T/C	3/3/2006	3/9/2006	5		20																										
		1416B-225	I&C-Rogowski Coils	3/8/2006	3/14/2006	5		40																										
		1416B-229	I&C-Check and Promote	3/15/2006	3/21/2006	5		20																										
		1416B-233	Coil-to-Coil -Current Feed Insul, Covers	2/23/2006	3/1/2006	5		20																										
		1416B-237	Coil-to-Coil -Windings Insul Blanket	2/20/2006	2/24/2006	5		20																										
		1416B-241	Coil-to-Coil -Bushing Installation	2/28/2006	3/6/2006	5		20																										
		1416B-245	Coil-to-Coil -Check and Promote	3/7/2006	3/13/2006	5		20																										
		1416B-249	-Type-B Coil Asm Specification	4/11/2006	4/17/2006	5		40																										
		1416B-253	-Review and Approve Type-B Spec	4/18/2006	4/24/2006	5		20																										
		1416B-257	-Update Coil Fab Procedures	4/25/2006	5/1/2006	5		20																										
		1416B-261	-Prepare and Conduct FDR	5/2/2006	5/8/2006	5		40																										
		1416B-262	TYPE B FDR	(blank)	5/8/2006	0																									$ -			
		1416B-265	-Resolve FDR Comments	5/9/2006	5/22/2006	10		40																										
	1421	1403-11.1	Compl assembly / interface drawings for ICDs	11/1/2004	10/31/2005	251		40																										
		1403-16	Assembly bolts, nuts,washers	10/1/2004	6/30/2006	437		35																										
		1403-17	Assembly shims	10/1/2004	6/30/2006	437		51																										
		1403-18	Eccentric ball assembly	11/8/2004	6/30/2006	411		118																										
		1403-19	Top assembly dwgs for mod coil shell	10/1/2004	6/30/2006	437		121																										
		1403-19A	Bladder Details	7/1/2005	6/30/2006	251		122																										
		1403-20	3 coil assembly specification	8/1/2006	9/25/2006	40		160																										
		1421-100	Submet Requisition for - Assy bolts,nuts,washers	7/24/2006	8/4/2006	10		16																										
		1421-105	Procurement lead time for-Assy bolts,nuts,washer	8/7/2006	9/29/2006	40																									$ -			
		1421-110	Deliver - Assy bolts,nuts,washers	10/2/2006	1/3/2007	60																								$ 449.0			
		1421-200	Submet Requisition for - Assembly shims	7/24/2006	8/4/2006	10		16																										
		1421-205	Procurement lead time for - Assembly shims	8/7/2006	9/29/2006	40																									$ -			
		1421-210	Deliver - Assembly shims	10/2/2006	1/3/2007	60																								$ 138.0			
		1421-400	Submet Requisition for - Bladders	7/24/2006	8/4/2006	10		16																										
		1421-405	Procurement lead time for - Bladders	8/7/2006	9/29/2006	40																									$ -			
		1421-410	Deliver - Bladders	10/2/2006	1/3/2007	60																								$ 60.0			
	1451	171-040	Winding Oversight (LOE)	10/3/2005	10/17/2007	511							3,728																					
		171-041	Tech Supervision	10/3/2005	10/17/2007	511																2,372												
		174-037	Modular Coil local I&C -Install (from wbs 143)	2/3/2006	6/20/2007	348																172	576											
		P1-000	ECP36 holes for cooling lines included in above	11/3/2005	11/3/2005	1																									$ -			
		P1-001	Rec C1,Prep& Instl Cladding>>@125% 1 shift	10/3/2005	11/9/2005	28																	625											
		P1-011	Wind coil C1>>@150%	11/10/2005	2/2/2006	53																	1,449											
		P1-011J	Complete Winding First Modular Coil	(blank)	2/2/2006	0																									$ -			
		P1-020	Instl Chill Plates,Tubing, Bag C1>>@150%	2/3/2006	2/28/2006	18																	508											
		P1-021C	Final Clamps & Warm Test (Station1) C1	3/17/2006	3/29/2006	9																	152											
		P1-021V	VPI (Station 5) C1	3/1/2006	3/16/2006	12																	328											
		P1-031	Receive B1, Prep& Instl Cladding	7/20/2006	8/3/2006	11																	336											
		P1-041	Wind coil B1	9/19/2006	11/6/2006	35																	1,216											
		P1-050	Instl Chl Plates,Tubing, Bag B1	11/7/2006	11/22/2006	12																	428											
		P1-051C	Final Clamps & Warm Test (Station1) B1	12/13/2006	1/2/2007	9																	120											
		P1-051V	VPI (Station 5) B1	11/27/2006	12/12/2006	12																	328											
		P1-061	Receive A5, Prep& Instl Cladding	9/20/2006	10/4/2006	11																	336											
		P1-071	Wind coil B2	11/27/2006	1/22/2007	35																	1,216											
		P1-080	Instl Chl Plates,Tubing,Bag B2	1/23/2007	2/7/2007	12																	428											
		P1-081C	Final Clamps & Warm Test (Station1) A5	3/19/2007	3/29/2007	9																	120											
		P1-081V	VPI (Station 5) A5	3/1/2007	3/16/2007	12																	328											
		P1-091	Receive C2, Prep& Instl Cladding	11/30/2005	12/14/2005	11																	544											
		P1-101	Wind coil C-2>>@125%	12/15/2005	2/24/2006	46																	1,429											
		P1-110	Instl Chill Plates,Tubing,Bag C2>>@125%	2/27/2006	3/17/2006	15																	508											
		P1-111C	Final Clamps & Warm Test (Station1) C2	4/5/2006	4/17/2006	9																	152											
		P1-111V	VPI (Station 5) C2	3/20/2006	4/4/2006	12																	328											
		P1-121	Receive C5, Prep& Instl Cladding	3/17/2006	3/31/2006	11																	336											
		P1-131	Wind coil C5	5/5/2006	6/23/2006	35																	1,216											
		P1-140	Instl Chl Plates,Tubing, Bag C5	6/26/2006	7/12/2006	12																	428											
		P1-141C	Final Clamps & Warm Test (Station1) C5	8/1/2006	8/11/2006	9																	120											
		P1-141V	VPI (Station 5) C5	7/13/2006	7/28/2006	12																	328											
		P1-151	Receive A6, Prep& Instl Cladding	10/5/2006	10/19/2006	11																	336											
		P1-161	Wind coil A6	6/21/2007	8/9/2007	35																	1,216											
		P1-170	Instl Chill Plates,Tubing,Bag A6	8/10/2007	8/27/2007	12																	428											
		P1-171C	Final Clamps & Warm Test (Station1) A6	9/14/2007	9/26/2007	9																	120											
		P1-171V	VPI (Station 5) A6	8/28/2007	9/13/2007	12																	279											
		P2-001	Receive A1, Prep& Instl Cladding	5/11/2006	5/25/2006	11																	336											
		P2-011	Wind coil A1	5/26/2006	7/17/2006	35																	1,216											
		P2-020	Instl Chill Plates,Tubing, Bag A1	7/18/2006	8/2/2006	12																	428											
		P2-021C	Final Clamps & Warm Test (Station1) A1	8/21/2006	8/31/2006	9																	120											
		P2-021V	VPI (Station 5) A1	8/3/2006	8/18/2006	12																	328											
		P2-031	Receive C6, Prep& Instl Cladding	4/3/2006	4/17/2006	11																	336											
		P2-041	Wind coil C6	5/7/2007	6/25/2007	35																	1,216											

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							org	resource	RES																									
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							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
14	1451	P2-041JOUL	JOULE FY07 Cmplt winding one-half modular coils	(blank)	11/6/2006	0																										$ -		
		P2-050	Instl Chl Plates,Tubing, Bag C6	6/26/2007	7/12/2007	12																	428											
		P2-051C	Final Clamps & Warm Test (Station1) C6	7/31/2007	8/10/2007	9																	120											
		P2-051V	VPI (Station 5) C6	7/13/2007	7/30/2007	12																	279											
		P2-061	Receive B3, Prep& Instl Cladding	11/29/2006	12/13/2006	11																	336											
		P2-071	Wind coil B3	2/8/2007	3/28/2007	35																	1,216											
		P2-080	Instl Chill Plates,Tubing,Bag B3	3/29/2007	4/13/2007	12																	428											
		P2-081C	Final Clamps & Warm Test (Station1) B3	5/2/2007	5/14/2007	9																	120											
		P2-081V	VPI (Station 5) B3	4/16/2007	5/1/2007	12																	279											
		P2-091	Receive C3, Prep& Instl Cladding	1/16/2006	1/30/2006	11																	544											
		P2-101	Wind coil C-3	3/1/2006	4/18/2006	35																	1,429											
		P2-110	Instl Chill Plates,Tubing,Bag C3	4/19/2006	5/4/2006	12																	508											
		P2-111C	Final Clamps & Warm Test (Station1) C3	5/23/2006	6/5/2006	9																	152											
		P2-111V	VPI (Station 5) C3	5/5/2006	5/22/2006	12																	328											
		P2-121	Receive B2, Prep& Instl Cladding	11/3/2006	11/17/2006	11																	336											
		P2-131	Wind coil A5	12/18/2006	2/12/2007	35																	1,216											
		P2-140	Instl Chl Plates,Tubing, Bag A5	2/13/2007	2/28/2007	12																	428											
		P2-141C	Final Clamps & Warm Test (Station1) B2	2/26/2007	3/8/2007	9																	120											
		P2-141V	VPI (Station 5) B2	2/8/2007	2/23/2007	12																	328											
		P2-151	Receive B4, Prep& Instl Cladding	1/5/2007	1/19/2007	11																	336											
		P2-161	Wind coil B4	3/1/2007	4/18/2007	35																	1,216											
		P2-170	Instl Chill Plates,Tubing,Bag B4	4/19/2007	5/4/2007	12																	428											
		P2-171C	Final Clamps & Warm Test (Station1) B6	10/5/2007	10/17/2007	9																	120											
		P2-171V	VPI (Station 5) B5	6/21/2007	7/9/2007	12																	279											
		P3-001	Receive A2, Prep& Instl Cladding	6/9/2006	6/23/2006	11																	336											
		P3-011	Wind coil A2	7/13/2006	8/30/2006	35																	1,216											
		P3-020	Instl Chill Plates,Tubing, Bag A2	8/31/2006	9/18/2006	12																	428											
		P3-021C	Final Clamps & Warm Test (Station1) A2	10/5/2006	10/17/2006	9																	120											
		P3-021V	VPI (Station 5) A2	9/19/2006	10/4/2006	12																	328											
		P3-031	Receive A3, Prep& Instl Cladding	6/26/2006	7/11/2006	11																	336											
		P3-041	Wind coil A3	8/3/2006	9/21/2006	35																	1,216											
		P3-050	Instl Chl Plates,Tubing, Bag A3	9/22/2006	10/9/2006	12																	428											
		P3-051C	Final Clamps & Warm Test (Station1) A3	10/26/2006	11/7/2006	9																	120											
		P3-051V	VPI (Station 5) A3	10/10/2006	10/25/2006	12																	328											
		P3-061	Receive B5, Prep& Instl Cladding	1/22/2007	2/5/2007	11																	336											
		P3-071	Wind coil B5	4/16/2007	6/4/2007	35																	1,216											
		P3-080	Instl Chill Plates,Tubing,Bag B5	6/5/2007	6/20/2007	12																	428											
		P3-081C	Final Clamps & Warm Test (Station1) B4	5/23/2007	6/5/2007	9																	120											
		P3-081V	VPI (Station 5) B4	5/7/2007	5/22/2007	12																	279											
		P3-091	Receive C4, Prep& Instl Cladding	3/2/2006	3/16/2006	11																	336											
		P3-101	Wind coil C4	3/20/2006	5/5/2006	35																	1,216											
		P3-110	Instl Chill Plates,Tubing, Bag C4	5/8/2006	5/23/2006	12																	428											
		P3-111C	Final Clamps & Warm Test (Station1) C4	6/19/2006	6/29/2006	9																	120											
		P3-111V	VPI (Station 5) C4	5/24/2006	6/9/2006	12																	328											
		P3-121	Receive A4, Prep& Instl Cladding	8/21/2006	9/5/2006	11																	336											
		P3-131	Wind coil A4	10/10/2006	11/29/2006	35																	1,216											
		P3-140	Instl Chl Plates,Tubing, Bag A4	11/30/2006	12/15/2006	12																	428											
		P3-141C	Final Clamps & Warm Test (Station1) A4	1/11/2007	1/23/2007	9																	120											
		P3-141V	VPI (Station 5) A4	12/18/2006	1/10/2007	12																	328											
		P3-151	Receive B6, Prep& Instl Cladding	2/22/2007	3/8/2007	11																	336											
		P3-161	Wind coil B6	7/13/2007	8/30/2007	35																	1,216											
		P3-170	Instl Chill Plates,Tubing,Bag B6	8/31/2007	9/18/2007	12																	428											
		P3-171C	Final Clamps & Warm Test (Station1) B5	7/10/2007	7/20/2007	9																	120											
		P3-171V	VPI (Station 5) B6	9/19/2007	10/4/2007	12																	279											
		SSD-ST2	Second shift cost differential	11/10/2005	8/27/2007	449																										$ 32.0		
		SSD-ST3	Second shift cost differential	12/15/2005	9/18/2007	442																										$ 32.0		
		TITLE3W	Titel III Design ORNL- Component Fab & WINDING	10/3/2005	10/25/2007	517		909		$ 40.0																								
15	1501	1501-FD	Final Design Structures	4/4/2006	6/30/2006	63							509																					
		1501-FDR	Structures FDR	(blank)	6/30/2006	0																										$ -		
		1501-FY05	Prelim Design Structures	7/1/2005	4/3/2006	110							241																					
		1501-PDR	Structures PDR	(blank)	4/3/2006	0																										$ -		
	1550	1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	7/3/2006	10/2/2006	65																										$ -		
		153.015	Title III design WBS 153 locall&C	10/3/2006	10/1/2007	249																8												
		153.037	WBS 153 Support Structure I&C Procurement/Fab	10/3/2006	10/1/2007	249																12	48							$ 2.5				
		162-031	Title III engr WBS 151	10/3/2006	10/1/2007	249							720	218																				
		162-036.9	Award Coil Support Assy	(blank)	10/2/2006	0																										$ -		
		162-037	WBS 151Coil Support Assy Procurement [A/1]	10/3/2006	10/1/2007	249																								$ 814.0			$ 2.0	
16	1601	132-000	PDR #17 & 25	10/2/2006	1/24/2008	325		20	200																									
		132-001	Title I design WBS 162 Coil leads	10/2/2006	4/11/2007	130		869	20																									
		132-011	Title II design WBS 162 Coil leads	4/12/2007	10/15/2007	130		869	20																									
		132-015	Title III design WBS 162 Coil leads	10/16/2007	1/17/2008	60		98														8												
		132-037	Coil Leads Procurement WBS 162	10/16/2007	1/17/2008	60																								$ 223.6				
		163.001	Title I design WBS 163 Coil protection	10/2/2006	1/10/2007	65		82	80																	80								
		163.011	Title II design WBS 163 Coil protection	1/11/2007	3/7/2007	40		82	80																	80								
		191-001	Title I design WBS 161 LN2 manifolds&piping	10/2/2006	1/10/2007	65		251					80																					
		191-011	Title II design WBS 161 LN2 manifolds&piping	1/11/2007	4/4/2007	60		503					160																					
		191-031	Title III engr WBS 161	4/5/2007	5/15/2008	280		86					8																					
		191-037	Procurement WBS 161	4/5/2007	10/8/2007	130																								$ 53.0				
		191-038	PDR#17	10/9/2007	2/15/2008	86																								$ 44.4				
		191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	10/9/2007	1/14/2008	62																71	284											
		191-042	PDR #17,25,3	10/9/2007	1/17/2008	65																23	90											
17	1701	151-003	Base Support Struct PDR	(blank)	10/26/2005	0																										$ -		
		151-011	Final Design Cryostat WBS 171	7/25/2005	6/22/2007	231								581							956													
		161-001	Title I design WBS 172 base support struct	4/1/2004	10/26/2005	395								17							20													

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							org	resource	RES																									
							Labor (hours)			Non Labor ($k)		Labor (hours)																		Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
17	1701	161-011	Final Design Base Support Structure WBS 172	10/2/2006	12/5/2006	45							170								202													
		171-199	Cryostat FDR	(blank)	6/22/2007	0																										$ -		
		172-199	Base Support Structure FDR	(blank)	12/5/2006	0																										$ -		
	1751	151-031	Title III engr	6/25/2007	1/28/2009	405								220							34													
		151-036.8	Prep Spec, Solicit bids, and Select Vendor	6/25/2007	9/25/2007	65																										$ -		
		151-036.9	Award Cryostat Procurement	(blank)	10/1/2007	0																										$ -		
		151-037	Cryostat Procurement [A/1]	10/2/2007	4/25/2008	141																							$ 358.5				$ 2.0	
	1752	161-031	Title III engr WBS 172	2/6/2007	1/22/2008	240															60													
		161-036.8	Prep Spec, Solicit bids, and Select Vendor	2/6/2007	5/7/2007	65																										$ -		
		161-036.9	Award Machine Base&supports Procurement	(blank)	5/7/2007	0																										$ -		
		161-037	Machine Base&supports Procurement [A/1]	5/8/2007	9/13/2007	90																							$ 216.7				$ 2.0	
18	1802	181.120	PPPL EM LOE FY06	12/1/2005	10/2/2006	209															1,178													
		181.121	PPPL EM LOE FY07	10/2/2006	9/28/2007	249															1,467													
		181.122	PPPL EM LOE FY08	10/1/2007	6/30/2008	187															1,100													
		181.220	HP Coverage in the TFTR TC LOE FY07	10/2/2006	10/1/2007	250																						1,300						
		181.221	HP Coverage in the TFTR TC LOE FY08	10/1/2007	9/30/2008	251																						1,300						
		181.222	HP Coverage in the TFTR TC LOE FY06	10/3/2005	10/2/2006	250																						1,300						
		181.2A	Procedure for VV prep	10/3/2005	10/21/2005	15																										$ -		
		181.2B	Procedure for MC HP subassy	8/1/2006	8/21/2006	15																										$ -		
		181.2C	Procedure for MC instl on VV	9/1/2006	9/22/2006	15																										$ -		
		181.2D	Procedure for TF HP sub assy	10/2/2006	10/20/2006	15																										$ -		
		181.2E	Procedure for Final FP assy	1/2/2007	1/22/2007	15																										$ -		
	1803	1803-1.07	Design check and sign-off	9/20/2005	10/7/2005	14							2	1																				
		1803-1.08	Prep & Issue dwgs,and requisition	10/10/2005	11/7/2005	21																										$ -		
		1803-1.10	Fab / Design Review - follow-up activities	9/20/2005	10/7/2005	14							0	0																				
		1803-1.12	PPPL FAB - VV support Fixture (1)	11/8/2005	12/5/2005	20																							$ 17.0					
		1803-2.05	Structural / Seismic Analysis check	10/24/2005	11/21/2005	21							80																					
		1803-2.06	PDR Half Period Assy	12/7/2005	12/7/2005	1																										$ -		
		1803-2.061	FDR Half Period Assy	11/22/2005	1/4/2006	24																										$ -		
		1803-2.08	Procurement Lead Time and Award	1/10/2006	3/6/2006	40																										$ -		
		1803-2.08A	Prep & Issue Spec,dwgs,and requisition	1/5/2006	1/9/2006	3																										$ -		
		1803-2.11	Fab MC HP Assy Fixtures (1)	3/7/2006	6/6/2006	65																							$ 23.3					
		1803-3.07	Seismic Analysis check	1/23/2006	2/10/2006	15							160																					
		1803-3.07A	Prep Procurement Pkg	3/9/2006	4/26/2006	35																										$ -		
		1803-3.08A	Issue RFP	(blank)	4/26/2006	0																										$ -		
		1803-3.08B	Recieve & Evaluate Bids	4/27/2006	6/1/2006	25																										$ -		
		1803-3.15	MC Crane load support sys	10/10/2005	11/11/2005	25																										$ -		
		1803-3.15B	PDR Turning fixture & Base	(blank)	2/10/2006	0																										$ -		
		1803-3.15C	Fab Crane Support & Laser screens	10/3/2006	1/11/2007	65																							$ 22.8					
		1803-3.15D	Award Fabrication Contract	(blank)	10/2/2006	0																										$ -		
		1803-3.15E	FDR Turning fixture & Base	(blank)	3/8/2006	0																										$ -		
		1803-3.60	Laser Screen Guide Mods	11/14/2005	11/23/2005	8																										$ -		
		1803-3.62	VV support stand and misc fixtures	11/28/2005	12/9/2005	10																										$ -		
		1803-3.64	Platform for flange bolting	12/12/2005	1/6/2006	14																										$ -		
		1803-3.66	Metrology layout	1/9/2006	1/20/2006	10																										$ -		
		1803-4.06	TF Rotation Fixture plus dwgs complete	1/23/2006	2/10/2006	15																										$ -		
		1803-4.06A	Metrology layout	2/13/2006	2/24/2006	10																										$ -		
		1803-4.07	Structural / Seismic Analysis check	2/13/2006	3/24/2006	30							80																					
		1803-4.08	PDR Final FP Assy	2/28/2006	2/28/2006	1																										$ -		
		1803-4.081	FDR Final FP Assy	4/11/2006	4/11/2006	1																										$ -		
		1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	10/9/2006	10/20/2006	10																										$ -		
		1803-4.13	FAB-TF Support Stands (1)	10/23/2006	1/31/2007	65																							$ 9.7					
		1803-5.003	MC support stand	3/6/2006	4/7/2006	25																										$ -		
		1803-5.004	Structural Analysis	5/17/2006	5/26/2006	8							80																					
		1803-5.005	PDR	5/30/2006	6/5/2006	5																										$ -		
		1803-5.006	FDR	7/5/2006	7/11/2006	5																										$ -		
		1803-5.007	Pre & Issue Specs and Dwgs	7/12/2006	7/18/2006	5																										$ -		
		1803-5.008	Procurement Lead Time	7/19/2006	9/12/2006	40																										$ -		
		1803-5.009	Fabricate	10/2/2006	1/10/2007	65																							$ 38.5					
		1803-5.02	TFTR Test Cell FPA arrgmnt dwg	6/5/2006	6/23/2006	15																										$ -		
		1803-5.02A	Generate as built spherical seat dwg	11/4/2005	11/15/2005	8																										$ -		
		1803-5.05	Run test/metrology measurements	11/1/2005	12/8/2005	26																										$ -		
		1803-5.100	FP Assy Platform	4/10/2006	5/5/2006	20																										$ -		
		1803-5.200	Metrology layout/support stand dwgs	5/8/2006	5/12/2006	5																										$ -		
		1803-7.10	Tom Brown Engineering	10/3/2005	9/29/2006	250							1,088																					
		1803-7.20	Design Activity	10/3/2005	9/29/2006	250								1,295																				
		713A.040	General procurements	10/2/2006	9/26/2008	498																							$ 7.5					
		713A.050	Welding tools, materials & equipt	10/2/2006	9/26/2008	498																							$ 7.5					
		713A.060	Instl He gas piping from NSTX to D-site tc NOT R	10/2/2006	1/10/2007	65																										$ -		
	1804	740.020	Facility Prep	10/3/2005	2/22/2006	95																168	392										$ 6.0	
		740.035	Deliver Metrology Software	10/3/2005	10/3/2005	1																										$ -		
		740.100	Romer CMM- spare probes	10/3/2005	1/11/2006	65																							$ 3.0					
		740.105	Romer CMM-Software support & warranty renewal	10/3/2005	9/30/2009	1010																							$ 32.0					
		740.110	Romer CMM-Laptop for 2nd arm	10/3/2005	9/30/2005	0																							$ -					
	1810	184-100	Assemble 3 TF coils&structure -Left-Period #1	4/13/2007	5/3/2007	15																80	320											
		184-105	Assemble 3 TF coils&structure -Right -Period #1	5/4/2007	5/17/2007	10																80	320											
		184-110	Assemble 3 TF coils&structure -Left-Period #2	5/31/2007	6/13/2007	10																80	320											
		184-115	Assemble 3 TF coils&structure -Right -Period #2	7/17/2007	7/30/2007	10																80	320											
		184-120	Assemble 3 TF coils&structure -Left -Period #3	10/4/2007	10/17/2007	10																80	320											
		184-125	Assemble 3 TF coils&structure -Right -Period #3	11/20/2007	12/5/2007	10																80	320											
		S0P0-100	LOE Crane support, fixture setupfor TFTR TC.	10/3/2005	9/29/2006	250																	863											
		S1P1-101	Receive VV and inspect	1/3/2006	1/6/2006	4																	96											
		S1P1-102	Mount VV on VV Prep fixture (top side up)	1/9/2006	1/9/2006	1																	12											
		S1P1-103	Establish metrology setting; align VV base	1/10/2006	1/13/2006	4																	72											

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							ORNL					PPPL																						
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
18	1810	S1P1-103.1	Layout diagnostic&coolant paths on vsl w/templt	1/16/2006	2/16/2006	24																	475											
		S1P1-106	Attach studs for coolant lines	5/10/2006	6/1/2006	16																	192											
		S1P1-107	Wind magnetic diagnostic sensors	2/17/2006	4/25/2006	48																	950											
		S1P1-107.1	Loop termination & verification	4/26/2006	5/9/2006	10																	160											
		S1P1-108	Install cooling/htg lines to vac vsl	6/2/2006	7/6/2006	24																	576											
		S1P1-116	Prepare and transfer completed VV to holding are	7/7/2006	7/11/2006	3																	72											
		S1P2-101	Receive VV and inspect	10/2/2006	10/5/2006	4																	96											
		S1P2-102	Mount VV on VV Prep fixture (top side up)	10/6/2006	10/6/2006	1																	12											
		S1P2-103	Establish metrology setting; align VV base	10/9/2006	10/12/2006	4																	72											
		S1P2-103.1	Layout diagnostic&coolant paths on vessel	10/13/2006	10/30/2006	12																	240											
		S1P2-106	Attach studs forcoolant lines	11/22/2006	12/15/2006	16																	192											
		S1P2-107	Wind magnetic diagnostic sensors	10/31/2006	11/7/2006	6																	119											
		S1P2-107.1	Loop termination & verification	11/8/2006	11/21/2006	10																	160											
		S1P2-108	Install cooling/htg lines to vac vsl	12/18/2006	1/26/2007	24																	576											
		S1P2-116	Prepare and transfer completed VV to holding are	1/29/2007	1/31/2007	3																	72											
		S1P3-101	Receive VV and inspect	2/1/2007	2/6/2007	4																	96											
		S1P3-102	Mount VV on VV Prep fixture (top side up)	2/7/2007	2/7/2007	1																	12											
		S1P3-103	Establish metrology setting; align VV base	2/8/2007	2/13/2007	4																	72											
		S1P3-103.1	Layout diagnostic&coolant paths on vessel	2/14/2007	3/1/2007	12																	240											
		S1P3-106	Attach studs forcoolant lines	3/26/2007	4/16/2007	16																	192											
		S1P3-107	Wind magnetic diagnostic sensors	3/2/2007	3/9/2007	6																	118											
		S1P3-107.1	Loop termination & verification	3/12/2007	3/23/2007	10																	160											
		S1P3-108	Install cooling/htg lines to vac vsl	4/17/2007	4/26/2007	8																	576											
		S1P3-116	Prepare and transfer completed VV to holding are	4/27/2007	5/1/2007	3																	72											
		S1SP-101	Attachdiagnostics, studs and coolant lines	7/2/2007	7/23/2007	16																	384											
		S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	1/12/2007	3/1/2007	35																	880											
		S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	3/9/2007	4/16/2007	27																	880											
		S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	5/15/2007	6/21/2007	27																	880											
		S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right	6/22/2007	7/30/2007	27																	880											
		S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left	7/31/2007	9/5/2007	27																	880											
		S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right	10/18/2007	11/23/2007	27																	880											
		S3P1-101	VV to MC turning fixt base; metr check	1/12/2007	1/15/2007	2																	48											
		S3P1-101.1	Attach local protective strips to VV&locate sens	1/16/2007	1/17/2007	2																	32											
		S3P1-102	Mount MC on crane; perform metr checks	3/2/2007	3/5/2007	2																	48											
		S3P1-103	Rotate right MC to stand-off position&chk	3/6/2007	3/8/2007	3																	72											
		S3P1-104	Transfer load to sprt sys and recheck position	3/9/2007	3/12/2007	2																	48											
		S3P1-105	Move MC turning fixt; mount MC on crane	4/17/2007	4/17/2007	1																	24											
		S3P1-106	Rotate left MC to stand-off position and check p	4/18/2007	4/19/2007	2																	48											
		S3P1-107	Move left & right MC to final position & measure	4/20/2007	4/23/2007	2																	48											
		S3P1-108	Install shims (as reqd); ream 24 holes	4/24/2007	5/2/2007	7																	280											
		S3P1-109	Bolt together at flange interface.	5/3/2007	5/4/2007	2																	48											
		S3P1-110	Perform final metrology position check	5/7/2007	5/8/2007	2																	32											
		S3P1-110.1	Remove temp interference strips&sensors	5/9/2007	5/9/2007	1																	8											
		S3P1-111	Secure VV to MC's using temporary supports.	5/10/2007	5/11/2007	2																	48											
		S3P1-112	Prep& xfr completed assembly to Stage 4 area	5/14/2007	5/14/2007	1																	24											
		S3P2-101	Mount VV to MC turning fixt base; metr check	5/15/2007	5/16/2007	2																	48											
		S3P2-101.1	Attach local protective strips to VV&locate sens	5/17/2007	5/18/2007	2																	32											
		S3P2-102	Mount MC on crane; perform metr checks	6/22/2007	6/25/2007	2																	48											
		S3P2-103	Rotate right MC to stand-off position&chk	6/26/2007	6/28/2007	3																	72											
		S3P2-104	Transfer load to supt sys and recheck position	6/29/2007	7/2/2007	2																	48											
		S3P2-105	Move MC turning fixt; mount MC on crane	7/31/2007	7/31/2007	1																	24											
		S3P2-106	Rotate left MC to stand-off position and check p	8/1/2007	8/2/2007	2																	48											
		S3P2-107	Move left & right MC to final position & measure	8/3/2007	8/6/2007	2																	48											
		S3P2-108	Install shims (as reqd); ream 24 holes	8/7/2007	8/15/2007	7																	280											
		S3P2-109	Bolt together at flange interface.	8/16/2007	8/17/2007	2																	48											
		S3P2-110	Perform final metrology position check	8/20/2007	8/21/2007	2																	32											
		S3P2-110.1	Remove temp interference strips&sensors	8/22/2007	8/22/2007	1																	8											
		S3P2-111	Secure VV to MC's using temporary supports.	8/23/2007	8/24/2007	2																	48											
		S3P2-112	Prep& xfr completed assembly to Stage 4 area	8/27/2007	8/27/2007	1																	24											
		S3P3-101	Mount VV to MC turning fixt base; metr check	8/28/2007	8/29/2007	2																	48											
		S3P3-101.1	Attach local protective strips to VV&locate sens	8/30/2007	8/31/2007	2																	32											
		S3P3-102	Mount MC on crane; perform metr checks	9/6/2007	9/7/2007	2																	48											
		S3P3-103	Rotate right MC to stand-off position&chk	9/10/2007	9/12/2007	3																	72											
		S3P3-104	Transfer load to supt sysand recheck position	9/13/2007	9/14/2007	2																	48											
		S3P3-105	Move MC turning fixt; mount MC on crane	11/26/2007	11/26/2007	1																	24											
		S3P3-106	Rotate left MC to stand-off position and check p	11/27/2007	11/28/2007	2																	48											
		S3P3-107	Move left & right MC to final position & measure	12/3/2007	12/4/2007	2																	48											
		S3P3-108	Install shims (as reqd); ream 24 holes	12/5/2007	12/13/2007	7																	280											
		S3P3-109	Bolt together at flange interface.	12/14/2007	12/17/2007	2																	48											
		S3P3-110	Perform final metrology position check	12/18/2007	12/19/2007	2																	32											
		S3P3-110.1	Remove temp interference strips&sensors	12/20/2007	12/20/2007	1																	8											
		S3P3-111	Secure VV to MC's using temporary supports.	12/21/2007	1/2/2008	2																	48											
		S3P3-112	Prep& xfr completed assembly to Stage 4 area	1/3/2008	1/3/2008	1																	24											
		S4P1-101	Mount MC/VV assembly to support frame a	5/15/2007	5/16/2007	2																	48											
		S4P1-102	Position and weld all ports to VV	5/17/2007	6/14/2007	20																	960											
		S4P1-103	Inspect Welds	6/15/2007	6/21/2007	5																	80											
		S4P1-104	Assemble left TF Coil Assembly check position	6/22/2007	6/26/2007	3																	96											
		S4P1-105	Change platforms	6/27/2007	6/28/2007	2																	48											
		S4P1-106	Assemble right TF Coil Assembly chk position	6/29/2007	7/3/2007	3																	96											
		S4P1-107	Attach TF coils to MC's	7/4/2007	7/6/2007	3																	72											
		S4P1-108	Change platforms	7/9/2007	7/10/2007	2																	64											
		S4P1-109	Position, weld two large horizontal diag ports	7/11/2007	7/20/2007	8																	192											
		S4P1-110	Inspect Welds	7/23/2007	7/23/2007	1																	16											
		S4P1-111	Assemble external trim coils to TF Coil	7/18/2007	8/7/2007	15																	240											

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Sum of Budget Remaining

							ORNL					PPPL																					
							org	resource	RES																								
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)				
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
18	1810	S4P1-112	Close up VV, leak check	8/8/2007	8/21/2007	10																	640										
		S4P1-113	Adjust final support base interfaces	8/22/2007	9/4/2007	10																	48										
		S4P1-113.5	Final metrology outside & inside	9/5/2007	9/18/2007	10																										$ -		
		S4P1-114	Prepare Field Period for shipment	9/19/2007	9/20/2007	2																	48										
		S4P1-115	Transfer completed assy to C-site test cell	9/21/2007	9/24/2007	2																	80										
		S4P2-101	Mount MC/VV assembly to support frame a	9/25/2007	9/26/2007	2																	48										
		S4P2-102	Position and weld all ports to VV	9/27/2007	10/24/2007	20																	960										
		S4P2-103	Inspect Welds	10/25/2007	10/31/2007	5																	80										
		S4P2-104	Assemble left TF Coil Assembly check position	11/1/2007	11/5/2007	3																	96										
		S4P2-105	Change platforms	11/6/2007	11/7/2007	2																	48										
		S4P2-106	Assemble right TF Coil Assembly chk position	11/8/2007	11/12/2007	3																	96										
		S4P2-107	Attach TF coils to MC's	11/13/2007	11/15/2007	3																	72										
		S4P2-108	Change platforms	11/16/2007	11/19/2007	2																	64										
		S4P2-109	Position, weld two large horizontal diag ports	11/20/2007	12/3/2007	8																	192										
		S4P2-110	Inspect Welds	12/4/2007	12/4/2007	1																	16										
		S4P2-111	Assemble external trim coils to TF Coil	11/13/2007	11/26/2007	10																	240										
		S4P2-112	Close up VV, leak check	12/5/2007	12/18/2007	10																	640										
		S4P2-113	Adjust final support base interfaces	12/19/2007	1/10/2008	10																	48										
		S4P2-113.5	Final metrology outside & inside	1/11/2008	1/24/2008	10																										$ -		
		S4P2-114	Prepare Field Period for shipment	1/25/2008	1/28/2008	2																	48										
		S4P2-115	Transfer completed assy to C-site test cell	1/29/2008	1/30/2008	2																	80										
		S4P3-101	Mount MC/VV assembly to support frame a	1/31/2008	2/1/2008	2																	48										
		S4P3-102	Position and weld all ports to VV*2 shift*	2/4/2008	2/29/2008	20																	960										
		S4P3-103	Inspect Welds	3/3/2008	3/7/2008	5																	80										
		S4P3-104	Assemble left TF Coil Assembly check position	3/10/2008	3/12/2008	3																	96										
		S4P3-105	Change platforms	3/13/2008	3/14/2008	2																	48										
		S4P3-106	Assemble right TF Coil Assembly chk position	3/17/2008	3/19/2008	3																	96										
		S4P3-107	Attach TF coils to MC's	3/20/2008	3/24/2008	3																	72										
		S4P3-108	Change platforms	3/25/2008	3/26/2008	2																	64										
		S4P3-109	Position, weld two large horizontal diag ports	3/27/2008	4/7/2008	8																	192										
		S4P3-110	Inspect Welds	4/8/2008	4/8/2008	1																	16										
		S4P3-111	Assemble external trim coils to TF Coil	3/20/2008	4/2/2008	10																	240										
		S4P3-112	Close up VV, leak check	4/9/2008	4/22/2008	10																	640										
		S4P3-113	Adjust final support base interfaces	4/23/2008	5/6/2008	10																	48										
		S4P3-113.5	Final metrology outside & inside	5/7/2008	5/20/2008	10																										$ -		
		S4P3-114	Prepare Field Period for shipment	5/21/2008	5/22/2008	2																	48										
		S4P3-115	Transfer completed assy to C-site test cell	5/23/2008	5/26/2008	2																	80										
		S4P3-115X	Last field period assembled	(blank)	5/26/2008	0																										$ -		
19	1901	0191-6	LOE-FY06 WBS 191	10/3/2005	10/2/2006	250		1,100			$ 12.0																						
		0191-6X	LOE-FY07 WBS 191	10/3/2006	9/27/2007	247		1,100			$ 12.0																						
		0191-7	LOE-FY08 WBS 191	10/3/2007	9/26/2008	247		488			$ 12.0																						
		0192-6	LOE-FY06 WBS 192	10/3/2005	10/2/2006	250		1,600		$ 29.9	$ 12.0																						
		0192-6X	LOE-FY07 WBS 192	10/3/2006	9/20/2007	242		667		$ 30.0	$ 12.0																						
		0192-7	LOE-FY08 WBS 192	10/3/2007	9/19/2008	242		600		$ 30.0	$ 12.0																						
		0192-99	LOE-FY09	10/1/2008	3/31/2009	130		400		$ 20.0	$ 6.0																						
		191-8	LOE-FY089 WBS 191	10/3/2008	4/2/2009	130		244			$ 6.0																						
		192-6.031	Demo Method for current center on TRC	6/18/2005	10/21/2005	89		8					8									8									$ 3.6		
21	2101	21-10	Eng. Work Planning and Design	1/2/2007	4/2/2007	65															35												
		21-15	Design Gas Handling Hardware	4/3/2007	7/3/2007	65																40											
		21-20	Design PLC Controls	4/3/2007	7/3/2007	65													80														
		21-25	Electrical Drafting for pumping system	4/3/2007	7/3/2007	65								120																			
		21-30	Drafting	4/3/2007	7/3/2007	65								80																			
		21-35	Eng. Work Planning and Design during fab	7/4/2007	10/2/2007	65															20												
		21-40	Fabrication/Install Hardware	7/4/2007	10/2/2007	65																30											
		21-45	Fabrication/installation	10/3/2007	1/14/2008	65																75	75							$ 5.0			
		21-55	Install PLC Controls	10/3/2007	1/14/2008	65													40															
		21-60	Integrated Systems Testing/Eng	10/3/2007	1/14/2008	65															20												
		21-65	Integrated Systems Testing/Tech Support	1/15/2008	3/17/2008	45													20														
22	2201	22-25	Eng. Work Planning and Design	5/1/2007	6/26/2007	40															100	80											
		22-30	Design PLC based control system	6/27/2007	9/4/2007	50													320														
		22-35	Electrical Drafting for pumping system	6/27/2007	9/4/2007	50								210																			
		22-40	Drafting	6/27/2007	9/4/2007	50								160																			
		22-45	Eng. Work Planning and Design during fab	9/5/2007	10/30/2007	40															90												
		22-50	Perform maint. & repair of pmpg sys	9/5/2007	10/30/2007	40																80											
		22-55	Repair and Calibration of vac instrumentation	10/31/2007	2/4/2008	60																80											
		22-60	Fabrication/installation	10/31/2007	3/3/2008	80																450	380							$ 23.0			
		22-65	Fab PLC conrols	10/31/2007	3/3/2008	80													160											$ 32.0			
		22-70	Integrated Systems Testing/Eng	3/4/2008	3/31/2008	20															40												
		22-75	Integrated Systems Testing/Tech Support	3/4/2008	3/31/2008	20													40														
31	3101	3101-139	Develop ProE model of loops, flat dev, fiducials	9/26/2005	11/15/2005	37							102								-												
		3101-141	FDR PREP- VESSEL SADDLE LOOPS	10/3/2005	10/28/2005	20															60												
		3101-142	FDR - VESSEL SADDLE LOOPS	(blank)	10/28/2005	0																										$ -		
		3101-145	Procure MI Cable	9/26/2005	12/9/2005	53															-									$ 13.6			
		3101-146	Procure remaining materials	10/14/2005	11/1/2005	13															40									$ 4.0			
		3101-153	Fab Installation Templates	11/21/2005	11/30/2005	6															2	20											
		3101-157	Design & fab tooling and clamps	6/1/2005	11/30/2005	128															24	24	12										
		3101-161	SUPT LOOP INSTL 200 LOOPS), TESTING	2/17/2006	3/9/2007	266															120												
		3101-165	Identify lead wires at multiple locations	12/15/2005	5/21/2007	357															20		60										
		3101-167	Design voltage loop connections	2/2/2006	2/8/2006	5															20												
		3101-169	Voltage loop connection peer review	2/15/2006	2/15/2006	1															10												
		3101-217	Peer review of lead routing	11/4/2005	11/7/2005	2															20												
		3101-225	Terminate saddle loops	7/7/2006	5/1/2007	205															40		260										
		3101-229	SUPPORT NSTALLATION, TERMINATION, TESTIN(	11/10/2005	6/4/2007	389															40												
		3101-230	Install heat shrink tubing on MI cable	12/12/2005	12/23/2005	10															20	40											

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							org	resource	RES																									
							ORNL					PPPL																						
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH/TB	Allocations	Materials	MCWF	other	Travel	VVSA
31	3101	3101-231	Terminate MC co-wound loops	5/14/2007	1/3/2008	159															20	60												
		3101-301	LAYOUT LOCATION ROWGOSKI COIL &EST COIL	6/1/2005	10/31/2005	108															4					2								
		3101-305	work on coil design with vendor	10/3/2005	11/30/2005	41															20													
		3101-309	DESIGN COIL MOUNTING TECHNIQUE	9/26/2005	12/15/2005	57															4													
		3101-313	DESIGN LEAD ROUTING AND TERMINATION	1/3/2006	1/31/2006	21															20													
		3101-317	PDR PREP- ROWGOWSKI COIL	2/1/2006	2/15/2006	11															20					10								
		3101-318	PDR - ROWGOWSKI COIL	(blank)	2/28/2006	0																									$ -			
		3101-321	Specify Rogowski Coils	3/1/2006	3/15/2006	11															20													
		3101-325	FDR PREP ROWGOSKI COIL	3/16/2006	3/31/2006	12															20													
		3101-326	FDR - ROWGOSKI COIL	(blank)	3/31/2006	0																									$ -			
		3101-329	FAB ROWGOWSKI COILS (2)	4/3/2006	5/1/2006	21															20									$ 15.0				
		3101-333	Complete termination box design & prototyping	9/26/2005	(blank)	27													12		4													
		3101-337	INSTALL COILS AND TERMINATIONS	5/14/2007	1/3/2008	159															20		10											
		3101-405	DESIGN TERMINATION N/R	10/3/2005	10/3/2005	1																									$ -			
		3101-413	FDR PREP- TF CO-WOUND LOOPS	11/28/2005	11/30/2005	3															40													
		3101-414	FDR - TF CO-WOUND LOOPS	(blank)	12/5/2005	0																									$ -			
		3101-417	PROCURE MATERIALS	12/6/2005	12/15/2005	8															20									$ 5.0				
		3101-421	FDR of terminations incl in saddle loop FDR	11/2/2005	11/2/2005	1																									$ -			
		3101-425	INSTALL TF CO-WOUND LOOPS	4/28/2006	10/15/2007	371																									$ -			
		3101-429	INSTALL TERMINATIONS	5/14/2007	1/3/2008	159															20		60											
		3101-501	DETERMINE NUMEBR AND LOCATION OF LOOPS	10/3/2005	1/3/2006	59																				40								
		3101-505	MOUNTING/LOCATING TECHN MC SHELL SADDLE	1/4/2006	1/31/2006	20															20					20								
		3101-509	PROTOTYPE MC SHELL SADDLE LOOPS N/R	10/3/2005	10/3/2005	1																									$ -			
		3101-513	PDR PREP -MC SHELL SADDLE LOOPS	11/1/2005	11/16/2005	12															20					10								
		3101-514	PDR-MC SHELL SADDLE LOOPS	(blank)	11/16/2005	0																									$ -			
		3101-517	Fab termination boxes (24)	11/15/2005	2/1/2006	49															90	80	365											
		3101-517A	Install termination boxes	6/2/2006	5/1/2007	229															80		240											
		3101-521	FINALIZE LOOP LOCATION/MOUNTING TECHNIQU	11/17/2005	11/30/2005	8															40					20								
		3101-525	FDR PREP - MC SHELL SADDLE LOOPS	12/1/2005	12/15/2005	11															40													
		3101-526	FDR - MC SHELL SADDLE LOOPS	(blank)	12/15/2005	0																									$ -			
		3101-529	PROCURE MATERIALS	1/3/2006	1/16/2006	10															20									$ 5.0				
		3101-533	INSTALL MC SHELL SADDLE LOOPS	3/17/2006	10/17/2007	403															40													
		3101-537	INSTALL TERMINATIONS	5/14/2007	10/29/2007	120															20		60											
36	3601	361-001	Design Visible Camera sys	9/4/2007	10/29/2007	40															40					28								
		361-015	Fab/Assy/Installation Visible Camera	10/30/2007	5/8/2008	130															20	96				98				$ -				
38	3801	380-010	Designe-Beam Probe,Fluor. Screen	10/12/2007	12/10/2007	40								100							120					70								
		380-015	Fab & Install Beam probe	12/11/2007	5/8/2008	102												60	80		160	170				160				$ 42.0				
39	3901	390-020	LOE Support FY06	10/3/2005	9/29/2006	249								-							-					177	177							
		390-120	Update port map&revise diag port assignments	(blank)	9/30/2005	0																									$ -			
		390-130	Rvw status of existing ICD's w/VV & Mod Coils	(blank)	9/30/2005	0																									$ -			
		390-140	Write ICD's-Define external space for diagnostic	(blank)	9/30/2005	0																									$ -			
		390-150	Write ICD's-Define space f/racks in cntrl rm	(blank)	9/30/2005	0																									$ -			
		390-170	Develop space envelopes for SXR	(blank)	9/30/2005	0																									$ -			
		390-180	Hold CDR's co-wound mag sensors&ext saddle loops	(blank)	9/30/2005	0																									$ -			
41	4101	4101-100.1	Prepare Preliminary One line diagram	10/6/2006	6/18/2007	173								2				2	2	3														
		411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	10/6/2006	9/24/2007	241								26				62	62	104									$ 22.0				
		411-2-2	Grounding-Dsn	10/2/2006	2/8/2007	86								160				72																
		411-2-4	Grounding-Procure	2/9/2007	7/11/2007	107																							$ 5.0					
		411-2-6	Grounding-Install	5/10/2007	7/11/2007	43												40	80	160									$ 25.0					
		411-2-8	Grounding-Commission	7/12/2007	8/21/2007	29												24	40	80														
		411-3-2	Test Cell AC Power Distr-Dsn	10/2/2006	6/29/2007	186								20				8																
		411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	7/1/2005	11/30/2006	107																							$ 27.2					
		411-3-6	Test Cell AC Power Distr-Install	9/28/2006	9/14/2007	358												20	20	120														
		411-3-8	Test Cell AC Power Distr-Commission	7/13/2007	9/14/2007	45												48	80	160														
		411-4-2	Standby Power for Cryo Sys -Dsn	10/3/2005	9/30/2005	0																									$ -			
		411-4-4	Standby Power for Cryo Sys -Procure	10/3/2005	9/30/2005	0																									$ -			
		411-4-6	Standby Power for Cryo Sys -Install	10/3/2005	9/30/2005	0																									$ -			
		412-1-2	D-site Pulsed AC Power Distr-Dsn	10/2/2006	4/9/2007	128								40				40																
		412-1-4	D-site Pulsed AC Power Distr-Procure	4/10/2007	10/4/2007	125																							$ 5.0					
		412-1-6	D-site Pulsed AC Power Distr-Install	10/5/2007	12/3/2007	40												16	64	80														
		412-1-8	D-site Pulsed AC Power Distr-Commission	12/4/2007	2/5/2008	40												24	24	40														
43	4301	431-200	Condition/spare parts inventory	10/1/2004	12/23/2005	307												1	6															
		431-210	Organize & verify documentation	10/1/2004	12/23/2005	307								10				5	3															
		431-215	Document status	10/1/2004	12/23/2005	307												4																
		431-225	Reactivate DF & PEI units	7/1/2005	10/31/2005	85												15	23	76														
		431-230	Load test	7/1/2005	10/31/2005	85												38		114														
		431-240	Simulate each of 6 pwr loops in PSCAD	10/3/2005	1/11/2006	65												80																
		431-250	c-site dc sys DGS dsn documentation	10/3/2005	3/1/2006	100								40				16																
		431-260	Power loop design	11/1/2004	12/23/2005	286								108				34																
		431-265	Fabricate bus components	10/3/2005	6/29/2006	185												16	40	120														
		431-275	Power cabling & Installation	10/2/2006	3/29/2007	121												40	240	520									$ 97.0					
44	4401	441-095	Design Interlock sys	10/3/2006	3/27/2007	118								160				80																
		441-097	Install Interlock sys	3/28/2007	9/13/2007	119												80	120															
		441-100	PLC Specification	3/28/2007	7/26/2007	85												40	56															
		441-105	Prep Block diagrams	3/28/2007	7/26/2007	85												40	80															
		441-110	PLC CWD's & Cabling	7/27/2007	11/23/2007	85												40	120															
		441-115	deliver PLC	7/27/2007	11/23/2007	85																							$ 50.0					
		441-120	Program PLC Logic	11/26/2007	2/6/2008	45												40	120															
		441-125	Program Control pages	11/26/2007	4/18/2008	97									16			32	120															
		441-130	Pre-commissioning tests	9/14/2007	7/23/2008	214												40	120										$ 1.0					
		441-135	Install I/O Cabling	11/26/2007	11/20/2008	248								160				120	80	160									$ 38.0					
		442-1-2	Kirk Keys-Dsn	10/2/2006	11/29/2006	41								80				40																
		442-1-4	Kirk Keys-Procure	11/30/2006	7/19/2007	158																							$ 10.0					
		442-1-6	Kirk Keys-Install	7/20/2007	9/14/2007	40												16	16	60									$ 25.0					

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							org	resource	RES																									
							ORNL					PPPL																						
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)					
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
44	4401	442-1-8	Kirk Keys-Commission	10/1/2007	11/9/2007	30												16	20	20														
		443-1-2	Develop Control Algorithms-Dsn	4/23/2007	11/9/2007	142												80																
		444-2-2	DC Potential Transducers (DCPTs)-Dsn	10/2/2006	2/21/2007	95								60				24																
		444-2-4	DC Potential Transducers (DCPTs)-Procure	2/22/2007	7/26/2007	109																								$ 6.0				
		444-2-6	DC Potential Transducers (DCPTs)-Install	7/27/2007	10/8/2007	51												16	24	160														
		444-2-8	DC Potential Transducers (DCPTs)-Commission	10/9/2007	12/5/2007	40												24	24	60														
		444-3-2	DC Shunts-Dsn	10/2/2006	3/30/2007	122								80				40																
		444-3-4	DC Shunts-Procure	4/2/2007	8/22/2007	101																								$ 45.0				
		444-3-6	DC Shunts-Install	8/23/2007	11/2/2007	51												32	64	160										$ 20.0				
		444-3-8	DC Shunts-Commission	11/5/2007	12/10/2007	24												24	24	120														
		444-4-2	Signal Conditioning & Cabling-Dsn	7/1/2005	2/28/2007	165								74				184																
		444-4-4	Signal Conditioning & Cabling-Procure	7/1/2005	7/18/2007	511																								$ 11.0				
		444-4-6	Signal Conditioning & Cabling-Install	8/15/2007	11/19/2007	68												24		280														
		444-4-8	Signal Conditioning & Cabling-Commission	11/20/2007	12/21/2007	22												48	40	40														
		445-1-2	Ground Fault Protection-Dsn	10/2/2006	2/2/2007	82								120				120																
		445-1-4	Ground Fault Protection-Procure	11/27/2006	6/5/2007	130																								$ 18.0				
		445-1-6	Ground Fault Protection-Install	6/6/2007	8/1/2007	40												40	48	120														
		445-1-8	Ground Fault Protection-Commission	8/30/2007	9/27/2007	20												24	24	32														
		445-2-105	Overload Protect-Write spec and approve	12/1/2006	1/5/2007	20												80																
		445-2-110	Overload Protect-Design	1/8/2007	4/27/2007	80								80				320	80															
		445-2-115	Overload Protect-Fabr 4 chassis 120 modls	4/30/2007	8/20/2007	79												120	384															
		445-2-120	Overload Protect-Test 4 units	8/21/2007	9/18/2007	20												80	80															
		445-2-125	Overload Protect-Install & Rack wiring	9/19/2007	10/16/2007	20												120	192															
		445-2-130	Overload Protect-Write & perform ISTP	10/17/2007	11/13/2007	20												80	80															
		445-2-135	Overload Protect-Documentation	1/8/2007	9/19/2007	180								160				40																
		445-2-140	Overload Protection&cabling design,procure instl	12/1/2006	11/27/2007	249								200				248	112	240										$ 31.0				
45	4501	451-0-2	Develop SRD	10/3/2005	10/31/2005	21																										$ -		
		451-1-2	Calculations-Dsn	10/3/2005	9/28/2007	498								8				320																
		451-2-2	PDR Power system -Dsn	10/3/2005	10/31/2005	21								160				160																
		451-2-2.1	FDR C-Site	11/1/2005	11/30/2006	270								120				120																
		451-3-2	Dwgs,asbuilts -Elect Dsn	10/2/2006	9/30/2008	500								1,040				240																
		451-4-2	FDR AC auxiliaries & grounding-Dsn	7/2/2007	9/4/2007	45								40				40																
		451-6-2	FDR C-Site -Cabling	9/1/2005	11/30/2005	62								96				96																
		452-1-2	Diagnostics AC Power Distr-Dsn	10/3/2006	1/22/2007	72								640				80																
		452-1-4	Diagnostics AC Power Distr-Procure	1/23/2007	10/8/2007	182																								$ 1.0				
		452-1-6	Diagnostics AC Power Distr-Install	10/9/2007	3/13/2008	105												80	80	640														
		452-1-8	Diagnostics AC Power Distr-Commission	3/19/2008	5/8/2008	37												40	80	160														
		452-2-2	Diagnostics sensor cabling-Dsn	10/3/2006	1/5/2007	61								160				40																
		452-2-4	Diagnostics sensor cabling-Procure	1/8/2007	9/26/2007	185																								$ 2.0				
		452-2-6	Diagnostics sensor cabling-Install	9/27/2007	1/7/2008	65												24	32	160														
		452-2-8	Diagnostics sensor cabling-Commission	1/8/2008	3/3/2008	40												8	16	32														
		453-1-2	New Procedures	10/6/2006	2/20/2007	90								240				240																
		453-1-4	Preop Testing-Procure test equipt	2/21/2007	10/5/2007	160																								$ 25.0				
		453-1-8	Testing PTPs, ISTPs	10/19/2007	3/18/2008	100												768	240	376										$ 10.0				
51	5101	51-10	Preliminary Design (Title I)	10/1/2007	12/4/2007	45									40																			
		51-20	Final Network Design (Title II)	12/5/2007	1/9/2008	20									40																			
		51-30	Installation, Testing, Documentation (Title III)	1/10/2008	6/26/2008	120								160	220				740											$ 82.3				
52	5201	52-10	Preliminary Design (Title I)	9/4/2007	11/5/2007	45									144																			
		52-20	Final Design (Title II)	11/6/2007	3/17/2008	87									351																			
		52-30	Installation, Testing, Documentation (Title III)	3/18/2008	11/18/2008	173									1,172	600														$ 139.0				
53	5301	53-10	Preliminary Design (Title I)	9/4/2007	11/5/2007	45									170																			
		53-20	Final Design (Title II)	11/6/2007	2/14/2008	65									330																			
		53-30	Coding, Configuration, Testing (Title III)	2/15/2008	10/17/2008	173									1,080															$ 57.7				
54	5401	54-10	Preliminary Design (Title I)	10/2/2007	12/5/2007	45									119																			
		54-20	Final Design (Title II)	12/6/2007	3/13/2008	65									136																			
		54-30	Installation, Testing, Documentation (Title III)	3/14/2008	9/23/2008	135									306	700														$ 19.0				
55	5501	55-10	Preliminary Design (Title I)	10/2/2007	12/5/2007	45									80																			
		55-20	Final Design (Title II)	12/6/2007	1/10/2008	20									80																			
		55-30	Installation, Testing, Documentation (Title III)	1/11/2008	6/27/2008	120									480	500														$ 15.0				
56	5601	56-10	Preliminary Design (Title I)	10/2/2007	2/11/2008	87									136																			
		56-20	Final Design (Title II)	2/12/2008	4/14/2008	45									136																			
		56-30	Installation, Testing, Documentation (Title III)	4/15/2008	9/16/2008	108									663				1,200											$ 14.0				
57	5701	57-10		10/3/2005	9/30/2005	0																										$ -		
61	6101	623.011	Design WBS 612	11/1/2007	2/1/2008	59								80							80													
		623.013	FDR WBS 612	(blank)	2/1/2008	0																										$ -		
		632.021	WBS 612 Assembly/Fabrication/Installation	2/4/2008	3/28/2008	40															80		288							$ 20.5				
62	6201	631-001	Preliminary Design	7/2/2007	10/2/2007	65															89													
		631-010	Final Design**reduced scope	10/3/2007	1/11/2008	65								16							89													
		631-015	Fab/Assy/Installation**reduced scope	3/10/2008	6/9/2008	65															89	24	615											
		631-020	Procurement **reduced scope	1/14/2008	5/14/2008	88																								$ 87.6				
		632-001	**deleted scope	10/3/2005	9/30/2005	0															-													
		633-001	Preliminary Design	7/2/2007	8/27/2007	40															89													
		633-010	Final Design	8/28/2007	11/13/2007	55								80							89													
		633-015	Fab/Assy/Installation	1/23/2008	5/23/2008	88															89		656											
		633-020	Procurement	11/14/2007	5/23/2008	130																								$ 80.0				
63	6301	640.011	Design GN2, Air & Vent Systems	10/1/2007	1/1/2008	59								160							80													
		640.021	Assembly/Fabrication	1/2/2008	2/26/2008	40															48		458							$ 17.8				
64	6401	650.001	Eliminated scope	10/3/2005	9/30/2005	0																										$ -		
72	7201	710.001	Install Wall east side control room	10/2/2006	11/2/2006	24																										$ -		
		711B.050	Complete Control Room Flooring	11/3/2006	11/30/2006	18													24				72											
73	7301	711A.040	Platform nut plates	4/1/2005	12/22/2006	187																	36							$ 0.1				
		712.020	Platform Parts	10/2/2006	10/31/2006	22															10	23	250											
		712.030	Miscs Hardware/Material	7/1/2005	10/31/2006	83																								$ 7.0				
74	7401	613.030	Test Cell copper ground plane cuts	7/1/2005	11/1/2005	87																	24							$ 0.2				

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WBS	JOB	ACT	TITLE	ES	EF	OD	ORNL Labor (hours) ORNLAM	ORNLEM	ORNLRM	ORNL Non Labor ($k) Materials	Travel	PPPL Labor (hours) B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	PPPL Non Labor ($k) Allocations	Materials	MCWF	other	Travel	VVSA
							org	resource	RES																									
74	7401	714.020	LOE FY06 prior to assy starting	10/2/2006	7/2/2007	187													150		193													
		714.030	LOE FY07 thru first plasma	7/2/2007	3/31/2009	444															2,728	2,728												
		7502-001	Test Cell 110v outlets	4/1/2005	11/30/2005	169																80												
		7502-002	Test Cell 208v outlets	4/1/2005	11/30/2005	169																40												
		7502-010	Ready Rooms (under control room) 110v outlets	10/2/2006	1/10/2007	65																80												
		GPP006	GPP-Test Cell HVAC/dew point control Design*TBD	10/3/2005	9/30/2005	0																								$ -			
		GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	10/3/2005	9/30/2005	0																								$ -			
		GPP007	GPP-C-Site elevators Design	10/3/2005	9/30/2005	0																								$ -			
		GPP007.1	GPP-C-Site elevators Install	10/3/2005	9/30/2005	0																								$ -			
		GPP008	GPP-Fire suppression high bay design*TBD*	10/3/2005	9/30/2005	0																								$ -			
		GPP008.1	GPP-Fire suppression high bay install*TBD*	10/3/2005	9/30/2005	0																								$ -			
		GPP009	Control Room Lights & Outlets design*TBD*	10/3/2005	9/30/2005	0																								$ -			
		GPP009.1	Control Room Lights & Outlets install*TBD*	10/3/2005	9/30/2005	0																								$ -			
		GPP010	Control Room HVAC Design **TBD**	10/3/2005	9/30/2005	0																								$ -			
		GPP010.1	Control Room HVAC Install **TBD**	10/3/2005	9/30/2005	0																								$ -			
		GPP011	Control Room Ceiling Design	10/3/2005	1/10/2006	64																								$ -			
		GPP011.1	Control Room Ceiling Install	1/11/2006	4/10/2006	64																								$ -			
		GPP012	Control Rm Fire Detection & Suppression Design	10/3/2005	9/30/2005	0																								$ -			
		GPP012.1	Control RmFire Detection & Suppression Install	10/3/2005	1/10/2006	64																								$ -			
75	7501	7501-05	Construction Support Crew during machine assy	10/1/2007	10/13/2008	260																2,467	6,169											
		7501-06	Construction Support Crew during e-beam mapping	12/24/2008	2/18/2009	41																	1,087											
		7501-07	Construction Support Crew during cryostat instl	10/15/2008	12/9/2008	40																277	693											
	7502	7502-020	Resurface TC floor	1/11/2007	3/9/2007	42																160							$ 10.0					
		7502-030	TC Floor firesealing	3/12/2007	5/8/2007	42																120												
		7502-035	Control room firesealing	5/9/2007	7/9/2007	42																80							$ 10.0					
	7503	730.1248	ACC Review	11/5/2008	12/2/2008	20																								$ -			
		730.1249	PSO Operational Readiness Assessment	12/3/2008	12/9/2008	5																								$ -			
		730.1250	PSO Operational Readiness Assessment	(blank)	12/9/2008	0																								$ -			
		730.8200	PTP and Cooldown	12/10/2008	12/23/2008	10															80	80	480											
		730.8200Z	PTP and Cooldown (dup of 730.8200)	12/10/2008	12/23/2008	10																								$ -			
		7503-020	Install & Level Support Base Plates	10/1/2007	10/19/2007	15							60									120	480											
		7503-030	Install/Level FPA's and Spool Piece supports	10/22/2007	12/4/2007	30							120									240	960											
		7503-060	Install Lower PF 4,5&6 into prelim position	4/18/2008	4/21/2008	2																16	32											
		7503-070	Install 3 Spool Pieces on fixt & test movement	12/5/2007	12/18/2007	10							40									80	320											
		7503-080	FPA-1 Installed on support platform	(blank)	12/18/2007	0																								$ -			
		7503-090	Install local Platforms around FPA-1	12/19/2007	1/10/2008	10							40									80	320											
		7503-110	FPA-2 Installed on support platform	(blank)	1/30/2008	0																								$ -			
		7503-120	Test movement of FPA-1& -2 & position checks.	1/31/2008	2/6/2008	5							20									40	160											
		7503-130	Install local Platforms around FPA-2	1/31/2008	2/4/2008	3							40									80	320											
		7503-150	FPA-3 Installed on support platform	(blank)	5/26/2008	0																								$ -			
		7503-160	Position all FPA's / Spool Pieces @ MC Interface	5/27/2008	6/3/2008	6							24									48	192											
		7503-170	FPA Metrology Checks to Assure Alignment	6/4/2008	6/6/2008	3							12										12											
		7503-180	MC Interfaces: shim, ream holes ,bolt together	6/23/2008	7/11/2008	15							60									120	720											
		7503-190	Install local Platforms around FPA-3	6/9/2008	6/20/2008	10							40									80	320											
		7503-200	Mate-up and weld all VV-to-Spool interfaces	7/14/2008	8/1/2008	15																120	720											
		7503-210	Fit-up all TF coils	8/4/2008	8/15/2008	10							40									80	480											
		7503-240	Bolt on preassembled pump duct	8/4/2008	8/8/2008	5																40	160											
		7503-240.1	Install insulation boots	8/11/2008	8/22/2008	10																	320											
		7503-240.2	Install insulation	8/25/2008	8/27/2008	3																	72											
		7503-260	PTP Pumpdown & leak check VV	8/28/2008	9/10/2008	10																80	480											
		7503-270	Raise lower PF 4,5&6 coils into final position	8/18/2008	8/25/2008	6							24									48	192											
		7503-280	Install Upper PF 4,5 & 6 coils	8/26/2008	9/2/2008	6							24									48	192											
		7503-290	Install PF Solenoid into position (U/L PF1,2,3)	9/11/2008	9/16/2008	4							16									32	128											
		7503-310	Complete LN2 connections	9/17/2008	9/30/2008	10																80	320											
		7503-320	Complete Elect Pwr connections	9/17/2008	10/14/2008	20																160	960											
		7503-321	Complete mag diag & machine I&C	9/17/2008	10/14/2008	20																160	320											
		7503-340	Install Cryostat Base, vapor barrie& port boots	10/15/2008	10/28/2008	10																80	320											
		7503-350	Install Cryostat upper section,VB and port boots	10/29/2008	11/11/2008	10																80	320											
		7503-360	Install Midplane Cryostat sections and port boot	11/12/2008	12/2/2008	15																120	480											
		7503-370	Install Cryostat Circulation Duct	12/3/2008	12/9/2008	5																40	160											
76	7601	713.020	Lab Fab/Assy/Installation	10/1/2007	1/30/2009	341															80	42	140											
		713.030	Tooling,assy fixtures,misc equipt	10/1/2007	1/30/2009	341																							$ 60.0					
		713.040	General procurements	10/1/2007	1/30/2009	341																							$ 45.0					
		713.050	Welding tools, materials & equipt	10/1/2007	1/30/2009	341																							$ 40.0					
81	8101	810.004	Project Management Office PPPL FY06	10/3/2005	9/29/2006	250						312	-											1,592			1,503		$ 6.0				$ 8.0	
		810.005	Project Management OfficePPPL FY07	10/2/2006	9/28/2007	251						832												1,592			1,503		$ 2.0				$ 4.0	
		810.900	Project Management Office PPPL FY08	10/1/2007	9/30/2008	253						624												1,326			1,238						$ 2.0	
		810.909	Project Management Office PPPL FY09	10/1/2008	5/29/2009	173																		300			300						$ 1.0	
	8102	810.104	Project Management Office ORNL FY06	10/3/2005	9/29/2006	250	95		850	$ 2.0																								
		810.104X	Project Management Office ORNL FY07	10/2/2006	9/28/2007	251	88		180	$ 2.0																								
		810.105X	Project Management Office ORNL FY08	10/2/2007	9/29/2008	251	88		180	$ 2.0																								
82	8202	820.004	Proj engr FY06	10/3/2005	9/29/2006	250							1,553				431				690												$ 7.0	
		820.004Z	Proj engr FY08	10/2/2007	9/25/2008	249							1,036				173				173												$ 5.0	
		820.005	Proj engr FY09	10/1/2008	5/29/2009	173							293																				$ 3.0	
		820.04X	Proj engr FY07	10/2/2006	9/25/2007	248							1,036				173				173												$ 5.0	
		8205FY06	Systems Engineering Support FY06	10/3/2005	9/29/2006	250																			1,061									
	8203	8203-06	Complt rvw of machine assembly approach	10/3/2005	10/6/2005	4																								$ -			
		8203-07	Rvw cryostat & conventional magnet sys design	10/3/2005	10/13/2005	9																								$ -			
		8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	10/3/2005	11/28/2005	39																								$ -			
		8203-09	Machine suprt dsn f/compatibility with assy reqt	10/3/2005	10/18/2005	12																								$ -			
		8203-10	Dynamic simul MC half period install fixt w/ Pro	10/3/2005	12/1/2005	42																								$ -			
		8203-11	Document NCSX Interlink& dwg control process	10/3/2005	10/17/2005	11																								$ -			
		8203-12	Update definition VV spool piece assy simul	10/3/2005	10/27/2005	19																								$ -			
		8203FY06	Design Integration FY06	10/3/2005	9/29/2006	250							518	432																				

NCSX ECP39 Estimate to Complete Detail

Sum of Budget Remaining

							org	resource	RES																										
							ORNL					PPPL																							
							Labor (hours)			Non Labor ($k)		Labor (hours)																	Non Labor ($k)						
WBS	JOB	ACT	TITLE	ES	EF	OD	ORNLAM	ORNLEM	ORNLRM	Materials	Travel	B///CB	EA//EM	EA//SM	EC//EM	EC//SM	EE//AM	EE//EM	EE//SM	EE//TB	EM//EM	EM//SM	EM//TB	FC//AM	FC//EM	R///RM2	R///RM3	SH//TB	Allocations	Materials	MCWF	other	Travel	VVSA
82	8203	8203FY07	Design Integration FY07	10/2/2006	10/1/2007	252							518	345																					
	8204	8204FY06	Systems Analysis FY06	10/3/2005	9/29/2006	250							1,295																						
	8205	METFY06R	Metrology for FP & machine assy FY06	10/3/2005	9/29/2006	250							415													707									
		METFY07R	Metrology for FP & machine assy FY07	10/3/2006	10/1/2007	251							417																						
		METFY08R	Metrology for FP & machine assy FY08	10/3/2007	9/29/2008	250							415																						
85	8501	730.9000	First Plasma	(blank)	2/10/2009	0																										$ -			
		920.000	Startup Personnel	11/3/2008	2/10/2009	72									432			432	-	864	1,066	979	432			490									
		920.001	Procedure and Document Preparation	12/13/2007	12/9/2008	250															1,516	1,516													
		920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	11/3/2008	12/23/2008	37																										$ -			
		920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	12/24/2008	1/27/2009	25																										$ -			
		920.020	Final ISTP	1/28/2009	2/5/2009	7																										$ -			
		920.021	Operations Approval	2/6/2009	2/10/2009	3																										$ -			
		M-0120	CD-4 First Plasma	(blank)	7/31/2009	0																										$ -			
AA	8998	99.06	PPPL Allocations FY06	10/3/2005	9/29/2006	250																							$ 187.9						
		99.07	PPPL Allocations FY07	10/2/2006	10/1/2007	252																							$ 187.9						
		99.08	PPPL Allocations FY08	10/1/2007	9/29/2008	252																							$ 92.8						
CC	CCCR	1361RISK	JOB 1361 RISK	10/2/2006	1/31/2008	330																	5,349												
		1411RISK	JOB 1411 RISK	7/3/2006	9/29/2006	63																									$ 360.0				
		1451RISK	JOB 1451 RISK	3/3/2006	10/25/2007	416																	7,995												
		99.105	Contingency FY05	10/3/2005	9/30/2005	0																										$ -			
		99.106D	Contingency FY06	10/3/2005	9/29/2006	250															1,090		1,727							$ 175.0		$ 100.0			
		99.107	Contingency FY07	10/2/2006	9/28/2007	251																										$ 1,804.0			
		99.108	Contingency FY08	10/1/2007	9/30/2008	253																										$ 4,618.0			
		99.109	Contingency FY09	10/1/2008	2/27/2009	108																										$ 1,051.0			
Grand Total							271	16,096	1,610	$ 109.8	$ 154.0	1,768	20,150	8,718	6,131	1,800	777	5,754	6,085	5,563	15,928	16,665	119,699	4,810	1,061	1,992	4,721	3,900	$ 468.6	$ 5,875.1	$ 5,506.4	$ 7,640.6	$ 74.2	$2,430.6