







Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12	
XCS1402775	RCV: Long Table	0	151		0.00	XCS1402770*										◆ RCV: Long Table
<b>05 Fab / Assembly</b>																
<b>FAB_PP Fab &amp; Assy Planning Package</b>																
XCS1402780	Inspect Procured Parts - Diagnostics Raft	15	151	SL_MES	3,580.40	XCS1402775*										▲ Inspect Procured Parts - Diagnostics Raft
XCS1402785	Machine Jig Plate	10	151	SL_MFMS	5,031.60	XCS1402780*										▲ Machine Jig Plate
XCS1402790	Assemble - XCS Long Table Support	20	151	SL_AT	8,369.60	XCS1402785*										▲ Assemble - XCS Long Table Support
XCS1402795	Drill Granite	8	151	SL_MFMS	4,025.28	XCS1402790*										▲ Drill Granite
XCS1402800	Install Inserts	4	151	SL_AT	1,673.92	XCS1402795*										▲ Install Inserts
XCS1402895	AVAIL: XCS Hutch Spts, Table & Shielding	0	151		0.00	XCS1402800*										◆ AVAIL: XCS Hutch Spts, Table & Shielding
<b>1.4.02.03 XCS Stoppers</b>																
<b>02 Design / Engineering</b>																
<b>ENG_PP Engineering Planning Package</b>																
XCS1402300	START: XCS Stoppers	1	347		0.00	PM300100*, XCS1411015										▲ START: XCS Stoppers
XCS1402305	REQD: Design Reqmts - XCS Stoppers	0	347		0.00	XCS140005, XCS1402300*										◆ REQD: Design Reqmts - XCS Stoppers
XCS1402310	Generate ESD - XCS Stoppers	20	347	SL_MEE	4,604.40	XCS1402305*										▲ Generate ESD - XCS Stoppers
XCS1402315	Prelim Design - XCS Stoppers	40	347	SL_MEE, SL_MDD	19,564.80	XCS1402310*										▲ Prelim Design - XCS Stoppers
XCS1402320	Prep for PDR - XCS Stoppers	15	347	SL_MDD, SL_MEE	5,467.40	XCS1402315*										▲ Prep for PDR - XCS Stoppers
XCS1402325	PDR - Prelim Design Review - XCS Stoppers	1	347	SL_MDD, SL_MEE	805.64	XCS1402315*, XCS1402320*										▲ PDR - Prelim Design Review - XCS Stoppers
XCS1402330	COMP: Prelim Design Review - XCS Stoppers	0	347		0.00	XCS1402325*										◆ COMP: Prelim Design Review - XCS Stoppers
XCS1402335	Final Design - XCS Stoppers	30	347	SL_MDD, SL_MEE	11,508.40	XCS1402330*										▲ Final Design - XCS Stoppers
XCS1402340	Generate Assy & Detail Dwgs - XCS Stoppers	15	347	SL_MD, SL_MEE	9,631.00	XCS1402335*										▲ Generate Assy & Detail Dwgs - XCS Stoppers
XCS1402345	Prep for FDR - XCS Stoppers	15	347	SL_MEE, SL_MDD	5,467.40	XCS1402335*										▲ Prep for FDR - XCS Stoppers
XCS1402350	FDR - Final Design Review - XCS Stoppers	1	347	SL_MEE, SL_MDD	805.64	XCS1402340*, XCS1402345*										▲ FDR - Final Design Review - XCS Stoppers
XCS1402355	COMP: Final Design Review - XCS Stoppers	0	347		0.00	XCS1402350*										◆ COMP: Final Design Review - XCS Stoppers
XCS1402360	Check & Approve Dwgs - XCS Stoppers	10	487	SL_MDD, SL_MD, SL_MEE	4,185.92	XCS1402355*										▲ Check & Approve Dwgs - XCS Stoppers
XCS1402365	Generate Mfg Docs - XCS Stoppers	15	172	SL_MEE	1,992.16	PM300110*, XCS1402360										▲ Generate Mfg Docs - XCS Stoppers
<b>05 Fab / Assembly</b>																
<b>FAB_PP Fab &amp; Assy Planning Package</b>																
XCS1402370	Job Input - XCS Stopper Fabrication	20	172	SL_MFMS	12,453.21	XCS1402365*										▲ Job Input - XCS Stopper Fabrication
XCS1402375	Procure Materials - XCS Stoppers	20	172	SL_MTRL	7,094.08	XCS1402370*										▲ Procure Materials - XCS Stoppers
XCS1402380	Machining - XCS Stopper Parts	60	172	SL_MFMS	42,265.44	XCS1402375*										▲ Machining - XCS Stopper Parts
XCS1402385	Inspection - XCS Stopper Parts	30	172	SL_MES	6,086.68	XCS1402380*										▲ Inspection - XCS Stopper Parts
XCS1402390	Clean - XCS Stopper Parts	15	172	SL_MFPC	7,228.20	XCS1402385*										▲ Clean - XCS Stopper Parts















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XCS1405155	Design - Hutch Cabinets	5	195	SL_MEE	1,197.20	XCS1405102, XCS1405152*											▲ Design - Hutch Cabinets
XCS1405156	Check & Approve Dwgs - XCS Water to Racks	3	174	SL_MDD, SL_MEE	2,813.18	XCS1405154*											▲ Check & Approve Dwgs - XCS Water to Racks
XCS1405160	Detail Drawings - Hutch Cabinets	5	195	SL_MDD	1,795.00	XCS1405155*											▲ Detail Drawings - Hutch Cabinets
XCS1405162	Check & Approve Dwgs - Hutch Cabinets	2	195	SL_MDD, SL_MEE	1,346.73	XCS1405160*											▲ Check & Approve Dwgs - Hutch Cabinets
XCS1405165	Design - Tanzboden	20	227	SL_MEE	9,577.60	XCS1405102, XCS1405155*											▲ Design - Tanzboden
XCS1405170	Detail Drawings - Tanzboden	20	227	SL_MDD	7,180.00	XCS1405165*											▲ Detail Drawings - Tanzboden
XCS1405172	Check & Approve Dwgs - Tanzboden	5	227	SL_MDD, SL_MEE	5,626.36	XCS1405170*											▲ Check & Approve Dwgs - Tanzboden
XCS1405175	Design - Crane	20	146	SL_MEE	9,577.60	XCS1405102*											▲ Design - Crane
XCS1405180	Prep for Seismic Review - XCS Crane	20	146	SL_MEE	9,577.60	XCS1405175*											▲ Prep for Seismic Review - XCS Crane
XCS1405185	Detail Drawings - XCS Crane	25	195	SL_MDD	8,616.00	XCS1405198*											▲ Detail Drawings - XCS Crane
XCS1405186	Check & Approve Dwgs - XCS Crane	6	195	SL_MDD, SL_MEE	6,733.65	XCS1405185*											▲ Check & Approve Dwgs - XCS Crane
XCS1405190	Statement of Work - XCS Crane	10	195	SL_MEE	4,788.80	XCS1405186*											▲ Statement of Work - XCS Crane
XCS1405195	Seismic Peer Review- XCS Crane	20	146	SL_MEE	4,788.80	XCS1405180*											▲ Seismic Peer Review- XCS Crane
XCS1405196	Seismic Review Approval - XCS Crane	20	146	SL_MEE	478.88	XCS1405195*											▲ Seismic Review Approval - XCS Crane
XCS1405197	COMP: XCS Utilities Design Phase	0	237		0.00	XCS1405154*, XCS1405198											▲ COMP: XCS Utilities Design Phase
XCS1405198	COMP: Committee Approval - XCS Crane	1	146		0.00	XCS1405196*											▲ COMP: Committee Approval - XCS Crane
<b>03 Procurement</b>																	
<b>PRO_PP Procurement Planning Package</b>																	
XCS1405205	Procurement Preps - XCS Hutch Fac Cabinets	30	195		0.00	XCS1405162*											▲ Procurement Preps - XCS Hutch Fac Cabinets
XCS1405210	AWARD: PO - XCS Hutch Facilities Cabinets	1	178	AWARD	11,885.08	PM003060, PM300110*, XCS140025, XCS1405197, XCS1405205											▲ AWARD: PO - XCS Hutch Facilities Cabinets
XCS1405215	Vendor Fab - XCS Hutch Facilities Cabinets	60	178	SL_MSEG	11,885.08	XCS1405210*											▲ Vendor Fab - XCS Hutch Facilities Cabinets
XCS1405220	RCV: XCS Hutch Facilities Cabinets Receipt	0	178		0.00	XCS1405215*											◆ RCV: XCS Hutch Facilities Cabinets Receipt
XCS1405225	Procurement Preps - XCS Hutch Fac Cable Trays	30	195		0.00	XCS1405122, XCS1405205*											▲ Procurement Preps - XCS Hutch Fac Cable Trays
XCS1405230	AWARD: PO - XCS Hutch Facilities Cable Trays	1	178	AWARD	22,400.00	PM003060, PM300110*, XCS140025, XCS1405197, XCS1405225											▲ AWARD: PO - XCS Hutch Facilities Cable Trays
XCS1405235	Vendor Fab - XCS Hutch Facilities Cable Trays	60	178	SL_MSEG	22,400.00	XCS1405230*											▲ Vendor Fab - XCS Hutch Facilities Cable Trays
XCS1405240	RCV: XCS Hutch Facilities Cable Trays	0	178		0.00	XCS1405235*											◆ RCV: XCS Hutch Facilities Cable Trays
XCS1405245	Procurement Preps - XCS Hutch Fac Other EQ	30	195		0.00	XCS1405225*											▲ Procurement Preps - XCS Hutch Fac Other EQ
XCS1405250	AWARD: PO - XCS Hutch Facilities Other EQ	1	178	AWARD	11,200.00	PM003060, PM300110*, XCS140025, XCS1405197, XCS1405245											▲ AWARD: PO - XCS Hutch Facilities Other EQ
XCS1405255	Vendor Fab - XCS Hutch Facilities Other EQ	60	178	SL_MSEG	11,200.00	XCS1405250*											▲ Vendor Fab - XCS Hutch Facilities Other EQ
XCS1405260	RCV: XCS Hutch Facilities Other EQ	0	178		0.00	XCS1405255*, XCS1407515, XCS1407530											◆ RCV: XCS Hutch Facilities Other EQ
XCS1405270	Procurement Preps - XCS Gas Distribution/Cabinet	30	195		0.00	XCS1405142, XCS1405245*											▲ Procurement Preps - XCS Gas Distribution/Cabinet
XCS1405275	AWARD: PO - XCS Gas Distribution/Cabinet	1	178	AWARD	5,353.60	PM003060, PM300110*, XCS140025, XCS1405197, XCS1405270											▲ AWARD: PO - XCS Gas Distribution/Cabinet















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XCS1406920	Vendor Effort - XCS Flanges & Fittings	60	172	SL_MSEG	10,740.80	XCS1406915*										Vendor Effort - XCS Flanges & Fittings
XCS1406945	RCV: XCS Flanges & Fittings	0	172		0.00	XCS1406940*										RCV: XCS Flanges & Fittings
<b>05 Fab / Assembly</b>																
<b>FAB_PP Fab &amp; Assy Planning Package</b>																
XCS1406670	Vacuum Process - XCS Bellows	15	146	SL_AT	1,673.92	XCS1406665*										Vacuum Process - XCS Bellows
XCS1406699	Clean - XCS Spools	15	157	SL_MFPC	8,260.80	XCS1406695*										Clean - XCS Spools
XCS1406900	Vacuum Process - XCS Spools	15	157	SL_AT	4,184.80	XCS1406699*										Vacuum Process - XCS Spools
XCS1406930	Clean - XCS Flanges & Fittings	10	172	SL_MFPC	4,956.48	XCS1406925*										Clean - XCS Flanges & Fittings
XCS1406940	Vacuum Process - XCS Flanges & Fittings	10	172	SL_AT	4,184.80	XCS1406930*										Vacuum Process - XCS Flanges & Fitting
XCS1406950	AVAIL: XCS Hutch Spools and Bellows Available	0	146		0.00	XCS1406675*, XCS1406905, XCS1406945										AVAIL: XCS Hutch Spools and Bellows Available
<b>06 Testing</b>																
<b>TST_PP Testing Planning Package</b>																
XCS1406655	Inspect Procured Parts - XCS Bellows	10	146	SL_AT	836.96	XCS1406650*										Inspect Procured Parts - XCS Bellows
XCS1406695	Inspect Procured Parts - XCS Spools	15	157	SL_AT	1,673.92	XCS1406690*										Inspect Procured Parts - XCS Spools
XCS1406925	Inspect Procured Parts - XCS Flanges & Fittings	10	172	SL_AT	1,673.92	XCS1406920*										Inspect Procured Parts - XCS Flanges & Fitting
<b>1.4.06.02.03 XCS Hutch Vacuum Supports</b>																
<b>02 Design / Engineering</b>																
<b>9110464 Design &amp; Engr - XCS Hutch Vacuum Supports</b>																
XCS1406700	START: XCS Hutch Vacuum Supports	0	253		0.00	PM300110*, XCS1411015										START: XCS Hutch Vacuum Supports
XCS1406705	Generate Purchase Docs - XCS Bellows & Spools	20	253	SL_MEE	4,980.40	XCS140005, XCS1406460, XCS1406700*										Generate Purchase Docs - XCS Bellows & Spools
<b>03 Procurement</b>																
<b>PRO_PP Procurement Planning Package</b>																
XCS1406710	Procurement Prep - XCS Drift Tube Supports	30	253		0.00	XCS1406705*										Procurement Prep - XCS Drift Tube Supports
XCS1406715	AWARD: PO - XCS Drift Tube Supports	1	253	AWARD	16,128.00	XCS140025, XCS1406710*										AWARD: PO - XCS Drift Tube Supports
XCS1406720	Vendor Effort - XCS Drift Tube Supports	30	253	SL_MSEG	16,128.00	XCS1406715*										Vendor Effort - XCS Drift Tube Supports
XCS1406725	RCV: XCS Drift Tube Supports	0	253		0.00	XCS1406720*										RCV: XCS Drift Tube Supports
XCS1406735	Procurement Prep - XCS Pump Stations	30	253		0.00	XCS1406705*										Procurement Prep - XCS Pump Stations
XCS1406740	AWARD: PO - XCS Pump Stations	1	253	AWARD	25,200.00	XCS140025, XCS1406735*										AWARD: PO - XCS Pump Stations
XCS1406745	Vendor Effort - XCS Pump Supports	30	253	SL_MSEG	25,200.00	XCS1406740*										Vendor Effort - XCS Pump Supports
XCS1406750	RCV: XCS Pump Supports	0	253		0.00	XCS1406745*										RCV: XCS Pump Supports
XCS1406760	Procurement Prep - XCS Valve Supports	30	253		0.00	XCS1406705*										Procurement Prep - XCS Valve Supports
XCS1406765	AWARD: PO - XCS Valve Supports	1	253	AWARD	5,040.00	XCS140025, XCS1406760*										AWARD: PO - XCS Valve Supports
XCS1406770	Vendor Effort - XCS Valve Supports	30	253	SL_MSEG	5,040.00	XCS1406765*										Vendor Effort - XCS Valve Supports
XCS1406775	RCV: XCS Valve Supports	0	253		0.00	XCS1406770*										RCV: XCS Valve Supports





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XCS1407690	REQD: XCS Hutch Spts, Table & Shielding	0	151		0.00	XCS1402895*										◆ REQD: XCS Hutch Spts, Table & Shielding
XCS1407695	AWARD: PO - XCS Granite Installation	1	315	AWARD	21,800.00	XCS140025, XCS1407685*										◆ AWARD: PO - XCS Granite Installation
XCS1407700	Vendor Fab - XCS Granite Installation	20	98	SL_MSEG	22,400.00	XCS1407640*, XCS1407680, XCS1407695										◆ Vendor Fab - XCS Granite Installation
XCS1407705	RCV: XCS Granite Installation	0	98		0.00	XCS1407700*										◆ RCV: XCS Granite Installation
XCS1407710	Procurement Preps - XCS120V, 20a circuits, distr	30	335		0.00	XCS1407585*										◆ Procurement Preps - XCS120V, 20a circuits, distr
XCS1407715	RCV: XCS Hutch Facilities Drop Floor	0	235		0.00	XCS1407650*										◆ RCV: XCS Hutch Facilities Drop Floor
XCS1407735	AWARD: PO - 120V, 20a circuits, distribution	1	335	AWARD	1,798.50	PM003060, XCS140025, XCS1407710*										◆ AWARD: PO - 120V, 20a circuits, distribution
XCS1407740	Vendor Fab - 120V, 20a circuits, distribution	20	98	SL_MSEG	1,848.00	XCS1405170, XCS1407705*, XCS1407735										◆ Vendor Fab - 120V, 20a circuits, distribution
XCS1407745	RCV: 120V, 20a circuits, distribution	0	98	SL_MSEG	0.00	XCS1407740*										◆ RCV: 120V, 20a circuits, distribution
XCS1407750	Procurement Preps - XCS Power & Water to Racks	30	315		0.00	XCS1407585*										◆ Procurement Preps - XCS Power & Water to Racks
XCS1407765	AWARD: PO - XCS Power & Water to Racks	1	315	AWARD	21,320.40	PM003060, XCS140025, XCS1407750*										◆ AWARD: PO - XCS Power & Water to Racks
XCS1407770	Vendor Fab - XCS Power & Water to Racks	60	98	SL_MSEG	21,907.20	XCS1405151, XCS1407745*, XCS1407765										◆ Vendor Fab - XCS Power & Water to Racks
XCS1407800	RCV: XCS Power & Water to Racks	0	98		0.00	XCS1407770*										◆ RCV: XCS Power & Water to Racks
<b>05 Fab / Assembly</b>																
<b>FAB_PP Fab &amp; Assy Planning Package</b>																
XCS1407620	UTR - Granite Work	1	285	SL_UTR	9,105.60	XCS1407610*										◆ UTR - Granite Work
XCS1407625	UTR - Crane	1	285	SL_UTR	9,105.60	XCS1407610*										◆ UTR - Crane
<b>07 Installation</b>																
<b>INT_PP Installation Planning Package</b>																
XCS1407400	START: XCS Hutch Installation	0	252		0.00	PM300105*										◆ START: XCS Hutch Installation
XCS1407540	AVAIL: Compressed Air Distribution	0	158		0.00	XCS1407480*										◆ AVAIL: Compressed Air Distribution
XCS1407550	Install - FEH H4 floor anchors	20	158	SL_UTR, SL_TMUC	16,935.10	XCS1407540*										◆ Install - FEH H4 floor anchors
XCS1407555	AVAIL: XCS Crane for Installation	0	98		0.00	XCS1405460*										◆ AVAIL: XCS Crane for Installation
XCS1407565	Pre-Installation Planning and Coordination	40	235	SL_ME, SL_CE	37,505.60	XCS1401165*, XCS1407400										◆ Pre-Installation Planning and Coordination
XCS1407590	Prep for Installation Readiness Review- CXI Inst	20	235	SL_PHS, SL_ME, SL_CE	22,262.00	XCS1407565*										◆ Prep for Installation Readiness Review- CXI Inst
XCS1407595	Generate Installation Procedures/Checklists	20	235	SL_ME, SL_CE	18,752.80	XCS1407590*										◆ Generate Installation Procedures/Checklists
XCS1407605	Installation Oversight	80	329	SL_ME, SL_CE	39,006.40	PM300110*, XCS1407595										◆ Installation Oversight
XCS1407610	Pre-installation survey/marketing of XTT/FEH H4	20	235	SL_MES	20,654.40	XCS1407595*										◆ Pre-installation survey/marketing of XTT/FEH H4
XCS1407725	Rig / Transport / Install Granite Tables to Hutc	10	151	SL_MSEQ	33,600.00	XCS1405220, XCS1405240, XCS1405260, XCS1405285,										◆ Rig / Transport / Install Granite Tables to Hutc
XCS1407730	REQD: XCS Hutch Vacuum Available	0	253		0.00	XCS1406785*										◆ REQD: XCS Hutch Vacuum Available
XCS1407755	Prep for and Install Diffractometer	10	151	SL_MSEG	16,800.00	XCS1407600, XCS1407725*, XCS1407760										◆ Prep for and Install Diffractometer
XCS1407760	REQD: XCS Diffractometer Available	0	184		0.00	XCS1404235*										◆ REQD: XCS Diffractometer Available
XCS1407775	REQD: XCS Hutch Vacuum Equipment Available	0	208		0.00	XCS1406555*										◆ REQD: XCS Hutch Vacuum Equipment Available

