



RED FLAG REPORT
12 GeV Upgrade

Report Date: Month of Aug-13

Flag Definition

Yellow: Index <9 / >1.1 or Variance > \$25K

Red: Index <8 / >1.2 and Variance > \$50K

WBS Number and Title	Control Account Manager	Schedule Performance Flag	Cost Performance Flag	Cumulative			Schedule Variance SV	Schedule Performance Index SPI	Cost Variance CV	Cost Performance Index CPI
				Planned Value BCWS	Earned Value BCWP	Actual Cost ACWP				
12 GeV 1.3.1.1 Procurements CLOSED	Hogan			18367	18367	20760	0	1.00	-2393	0.88
12 GeV 1.3.1.2 Cavity String Assembly CLOSED	Hogan			1572	1572	1316	0	1.00	257	1.20
12 GeV 1.3.1.3 Cryomodule Assembly CLOSED	Hogan			2424	2424	2333	0	1.00	92	1.04
12 GeV 1.3.1.4 Acceptance Testing CLOSED	Hogan			679	679	668	0	1.00	11	1.02
12 GeV 1.3.1.5 Installation CLOSED	Hogan			295	295	357	0	1.00	-62	0.83
12 GeV 1.3.1.6 Microphonics CLOSED	Hogan			280	280	290	0	1.00	-10	0.96
12 GeV 1.3.2.1.1 RF Power	Merz			9458	9457	8833	-1	1.00	624	1.07
12 GeV 1.3.2.1.2 Control	Merz			3222	3222	2559	0	1.00	662	1.26
12 GeV 1.3.2.1.3 RF Install & Sys Comm CLOSED	Merz			264	264	246	0	1.00	18	1.07
12 GeV 1.3.2.2 Magnet Power	Merz			4699	3838	5144	-861	0.82	-1306	0.75
12 GeV 1.3.3.1 Cryo Accelerator	Arenius			20468	20452	22953	-17	1.00	-2502	0.89
12 GeV 1.3.3.2 Cryo Hall D CLOSED	Arenius			3027	3027	2796	0	1.00	232	1.08
12 GeV 1.3.4.1 Spreaders & Recombiners	Bevins			8438	8308	11337	-130	0.98	-3028	0.73
12 GeV 1.3.4.2 Existing Arcs (1-9, A, B, & C)	Bevins			5902	5686	6014	-216	0.96	-329	0.95
12 GeV 1.3.4.3 Linacs CLOSED	Bevins			357	357	349	0	1.00	8	1.02
12 GeV 1.3.4.4 Injector & Re-injection	Bevins			363	356	314	-7	0.98	42	1.13
12 GeV 1.3.4.5 Arc 10 & Hall D Beamline	Bevins			5026	4938	5498	-88	0.98	-560	0.90
12 GeV 1.3.4.6 Extraction Magnets	Bevins			443	412	642	-31	0.93	-230	0.64
12 GeV 1.3.5.1 Cavities	Spata			231	231	329	0	1.00	-97	0.70
12 GeV 1.3.5.2 RF Components	Spata			166	166	188	0	1.00	-21	0.89
12 GeV 1.3.5.3 Resonance Control	Spata			103	103	60	0	1.00	43	1.72
12 GeV 1.3.5.4 Lambertson CLOSED	Spata			21	21	3	0	1.00	19	8.41
12 GeV 1.3.5.5 Septa and Dipoles CLOSED	Spata			42	42	0	0	1.00	42	0.00
12 GeV 1.3.5.6 Stands CLOSED	Spata			28	28	26	0	1.00	1	1.05
12 GeV 1.3.6.1 Beam Diagnostics	Spata			2323	1513	2231	-810	0.65	-718	0.68
12 GeV 1.3.6.2 Control System Hardware	Spata			592	592	515	0	1.00	76	1.15
12 GeV 1.3.6.3 Control System Software	Spata			409	291	340	-119	0.71	-49	0.86
12 GeV 1.3.6.4 Safety Systems	Spata			1799	1448	1827	-351	0.80	-379	0.79
12 GeV 1.3.6.5 Insertable Dump	Spata			286	120	163	-166	0.42	-43	0.74
12 GeV 1.3.6.6 Vacuum Controls	Spata			758	731	986	-27	0.96	-255	0.74
12 GeV 1.3.6.7 Magnet Instrumentation	Spata			328	273	215	-55	0.83	58	1.27
12 GeV 1.4.1 Construction Hall A	LeRose			588	505	657	-83	0.86	-152	0.77
12 GeV 1.4.2.1 Magnet CLOSED	Elouadrhiri			3846	3908	4730	62	1.02	-822	0.83
12 GeV 1.4.2.2 Detectors	Elouadrhiri			19318	18107	18885	-1210	0.94	-777	0.96
12 GeV 1.4.2.3 Computing	Elouadrhiri			921	580	524	-341	0.63	56	1.11
12 GeV 1.4.2.4 Electronics	Elouadrhiri			3033	3025	3045	-8	1.00	-20	0.99
12 GeV 1.4.2.5 Beamline	Elouadrhiri			440	6	0	-434	0.01	6	0.00
12 GeV 1.4.2.6 Infrastructure	Elouadrhiri			1233	902	1019	-331	0.73	-117	0.89
13 GeV 1.4.2.7 Hall B Magnet New Vendor	Elouadrhiri			5638	3106	6456	-2532	0.55	-3350	0.48
12 GeV 1.4.3.1 Magnet	Fenker			14260	9317	10901	-4942	0.65	-1584	0.85
12 GeV 1.4.3.2 Detector	Fenker			1132	965	738	-167	0.85	227	1.31
12 GeV 1.4.3.3 Computing	Fenker			0	0	0	0	0.00	0	0.00
12 GeV 1.4.3.4 Electronics	Fenker			268	377	328	109	1.41	48	1.15
13 GeV 1.4.3.5 Beamline	Fenker			370	125	46	-245	0.34	79	2.73
12 GeV 1.4.3.6 Infrastructure	Fenker			5921	4835	5079	-1086	0.82	-243	0.95
12 GeV 1.5.1 Solenoid	Chudakov			1810	1804	3079	-5	1.00	-1274	0.59
12 GeV 1.5.2 Detectors	Chudakov			11547	11530	12760	-17	1.00	-1230	0.90
12 GeV 1.5.3 Computing	Chudakov			2573	1765	1519	-807	0.69	247	1.16
12 GeV 1.5.4 Electronics	Chudakov			7807	7999	7924	192	1.02	76	1.01
12 GeV 1.5.5 Beamline	Chudakov			3972	3584	3965	-387	0.90	-381	0.90
12 GeV 1.5.6 Infrastructure	Chudakov			3504	3049	3880	-455	0.87	-831	0.79
12 GeV 1.5.7 Spare Solenoid CLOSED	Chudakov			132	71	60	-61	0.54	11	1.17
12 GeV 1.6.1 Accelerator	Yasky			3620	3715	3458	95	1.03	257	1.07
12 GeV 1.6.2 CHL CLOSED	Yasky			4538	4538	4366	0	1.00	171	1.04
12 GeV 1.6.3 Hall D	Yasky			19930	19930	20373	0	1.00	-443	0.98
12 GeV 1.7 Construction Project Management	Rode			9056	9056	8051	0	1.00	1005	1.12
12 GeV 1.8.1.1 Accelerator Pre-Ops Beam Commissioning	Harwood			0	0	0	0	0.00	0	0.00
12 GeV 1.8.1.2 Accelerator Pre-Ops Utilities	Harwood			0	0	0	0	0.00	0	0.00
12 GeV 1.8.1.3.1 Cryomodule Pre-Ops Checkout	Hogan			337	278	216	-59	0.83	62	1.29
12 GeV 1.8.1.3.2 Power Pre-Ops Checkout	Merz			148	119	122	-29	0.80	-4	0.97
12 GeV 1.8.1.3.3 Cryogenics Pre-Ops Checkout	Arenius			895	895	807	0	1.00	88	1.11
12 GeV 1.8.1.3.5 Extraction Pre-Ops	Spata			0	0	0	0	0.00	0	0.00
12 GeV 1.8.2.1 Hall A Checkout & Beam Commissioning	LeRose			0	0	0	0	0.00	0	0.00
12 GeV 1.8.2.2 Hall B Checkout & Beam Commissioning	Elouadrhiri			150	71	0	-79	0.47	71	0.00
12 GeV 1.8.2.3 Hall C Checkout & Beam Commissioning	Fenker			0	0	0	0	0.00	0	0.00
12 GeV 1.8.2.4 Hall D Checkout & Beam Commissioning	Chudakov			726	419	453	-307	0.58	-34	0.93
12 GeV 1.8.3 Pre-Ops Support	Rode			0	0	287	0	0.00	-287	0.00
11 GeV 1.9.5.1 Hall D Solenoid CLOSED	Chudakov			0	0	199	0	0.00	-199	0.00
12 GeV 1.9.5.2 Hall D Detectors	Chudakov			4297	4291	4210	-6	1.00	81	1.02
12 GeV 1.9.6 N&S LCW CLOSED	Yasky			3456	3456	3429	0	1.00	27	1.01
12 GeV 1.9.7 Infrastructure	Yasky			994	994	973	0	1.00	21	1.02