



**RED FLAG REPORT**  
12 GeV Upgrade

Report Date: Month of Oct-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	Performance	Cost	Performance
				Planned Value	Earned Value	Actual Cost	Variance SV	Index SPI	Variance CV	Index CPI
				BCWS	BCWP	ACWP				
12 GeV 1.3.2.2 Magnet Power	Merz			438	408	302	-30	0.93	106	1.35
12 GeV 1.3.4.1 Spreaders & Recombiners	Bevins			204	164	201	-41	0.80	-37	0.81
12 GeV 1.3.4.2 Existing Arcs (1-9, A, B, & C)	Bevins			120	125	110	4	1.04	14	1.13
12 GeV 1.3.4.4 Injector & Re-injection	Bevins			18	18	24	0	1.00	-6	0.75
12 GeV 1.3.4.5 Arc 10 & Hall D Beamline	Bevins			138	44	64	-95	0.32	-21	0.68
12 GeV 1.3.4.6 Extraction Magnets	Bevins			50	50	56	0	1.00	-5	0.91
12 GeV 1.3.6.1 Beam Diagnostics	Spata			121	178	188	57	1.47	-10	0.95
12 GeV 1.3.6.3 Control System Software	Spata			23	23	19	0	1.00	3	1.17
12 GeV 1.3.6.4 Safety Systems	Spata			196	105	121	-91	0.54	-17	0.86
12 GeV 1.3.6.5 Insertable Dump	Spata			41	22	3	-19	0.54	20	7.87
12 GeV 1.3.6.6 Vacuum Controls	Spata			19	3	4	-16	0.18	-1	0.87
12 GeV 1.3.6.7 Magnet Instrumentation	Spata			27	26	7	-1	0.96	19	3.67
12 GeV 1.4.1 Construction Hall A	LeRose			11	0	24	-11	0.00	-24	0.00
12 GeV 1.4.2.2 Detectors	Elouadrhiri			260	346	526	87	1.33	-180	0.66
12 GeV 1.4.2.3 Computing	Elouadrhiri			12	5	1	-6	0.45	4	4.87
12 GeV 1.4.2.4 Electronics	Elouadrhiri			0	0	7	0	0.00	-7	0.00
12 GeV 1.4.2.5 Beamline	Elouadrhiri			0	0	0	0	0.00	0	0.00
12 GeV 1.4.2.6 Infrastructure	Elouadrhiri			188	149	143	-38	0.80	6	1.04
13 GeV 1.4.2.7 Hall B Magnet New Vendor	Elouadrhiri			927	1124	1289	196	1.21	-166	0.87
12 GeV 1.4.3.1 Magnet	Fenker			782	887	980	105	1.13	-93	0.91
12 GeV 1.4.3.2 Detector	Fenker			23	24	35	1	1.03	-11	0.69
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			20	6	3	-14	0.30	3	1.88
13 GeV 1.4.3.5 Beamline	Fenker			30	21	0	-9	0.70	21	-872.94
12 GeV 1.4.3.6 Infrastructure	Fenker			381	622	666	241	1.63	-44	0.93
12 GeV 1.5.1 Solenoid	Chudakov			15	15	9	0	1.00	6	1.60
12 GeV 1.5.2 Detectors	Chudakov			366	345	398	-21	0.94	-54	0.87
12 GeV 1.5.3 Computing	Chudakov			185	291	288	106	1.57	3	1.01
12 GeV 1.5.4 Electronics	Chudakov			205	213	254	8	1.04	-40	0.84
12 GeV 1.5.5 Beamline	Chudakov			227	251	387	24	1.11	-136	0.65
12 GeV 1.5.6 Infrastructure	Chudakov			550	592	515	42	1.08	78	1.15
12 GeV 1.6.1 Accelerator	Yasky			76	81	43	6	1.07	39	1.91
12 GeV 1.7 Construction Project Management	Rode			174	174	190	0	1.00	-16	0.92
12 GeV 1.8.1.1 Accelerator Pre-Ops Beam Commissioning	Harwood			65	0	0	-65	0.00	0	0.00
12 GeV 1.8.1.2 Accelerator Pre-Ops Utilities	Harwood			17	0	47	-17	0.00	-47	0.00
12 GeV 1.8.1.3.1 Cryomodule Pre-Ops Checkout	Hogan			49	34	57	-15	0.69	-23	0.59
12 GeV 1.8.1.3.2 Power Pre-Ops Checkout	Merz			87	39	78	-49	0.44	-39	0.49
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			0	0	0	0	0.00	0	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			100	65	42	-34	0.65	23	1.55
12 GeV 1.8.3 Pre-Ops Support	Rode			174	174	184	0	1.00	-9	0.95
12 GeV 1.9.5.2 Hall D Detectors	Chudakov			4210	4230	4217	20	1.00	13	1.00
12 GeV 1.9.7 Infrastructure	Yasky			973	973	982	0	1.00	-9	0.99