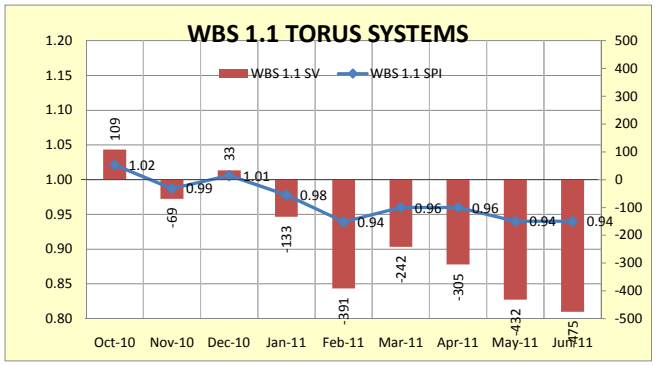
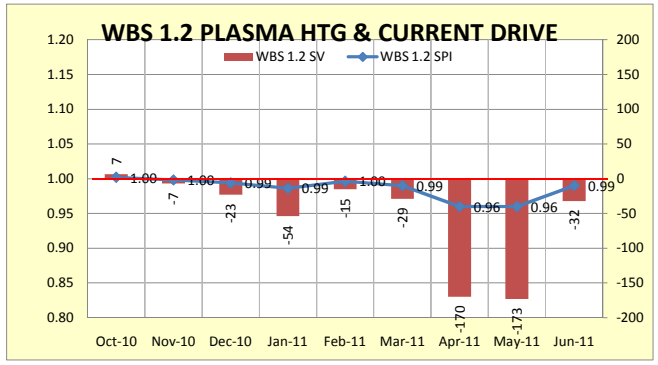
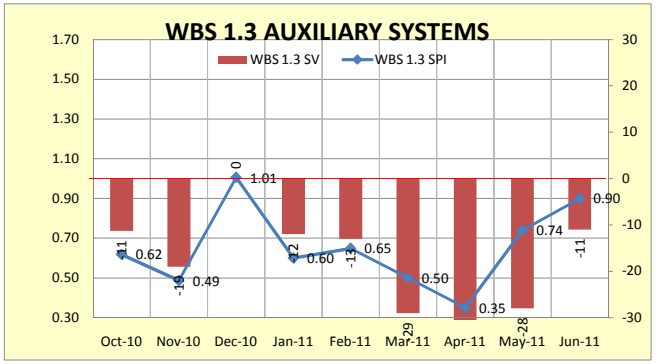
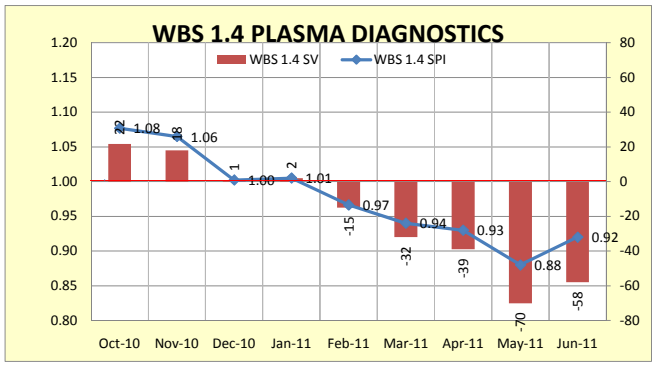
NSTX Upgrade Project Performance Trends since CD-2 Approval

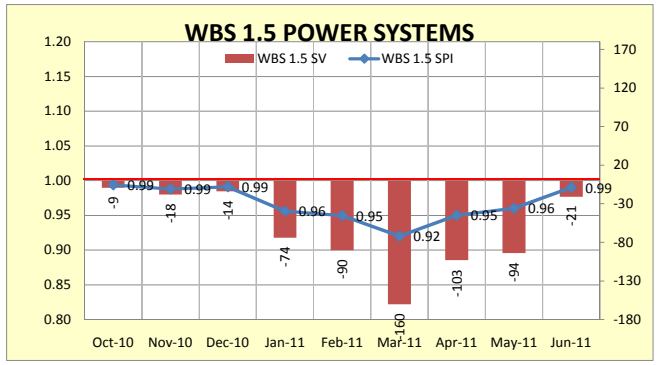
Pg.1: Schedule, Pg.2: Cost

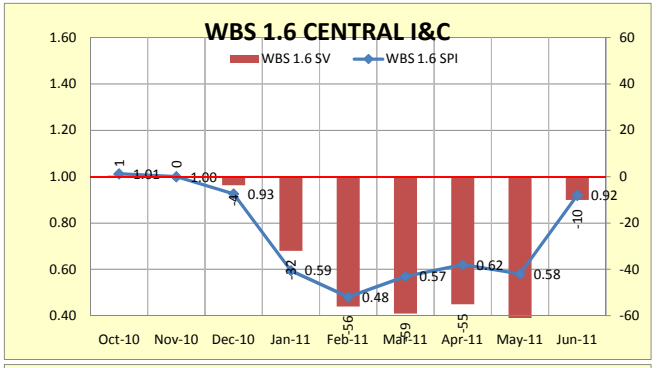


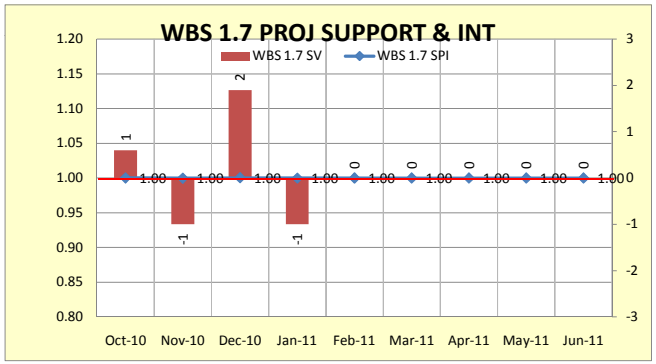


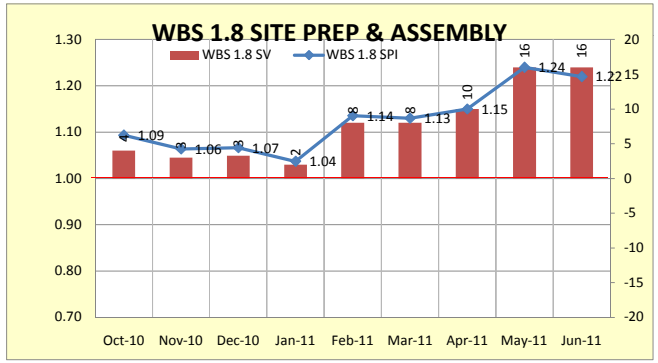


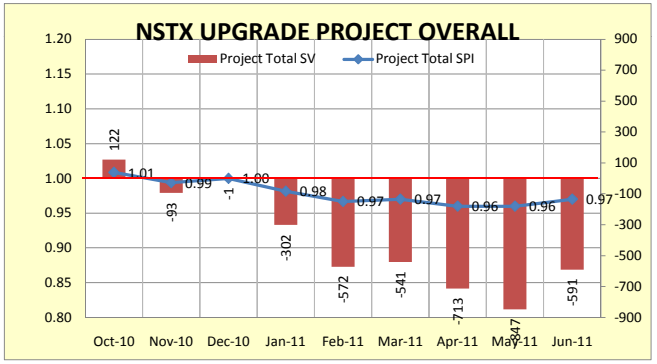






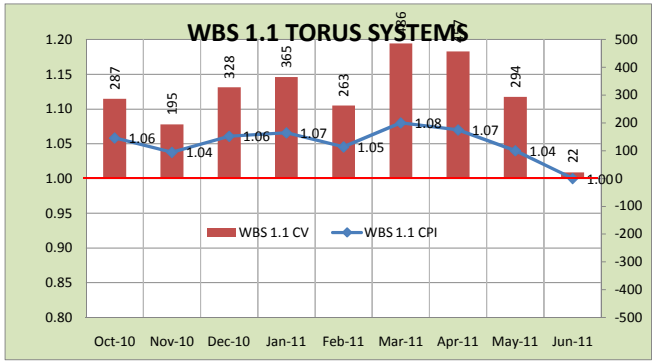


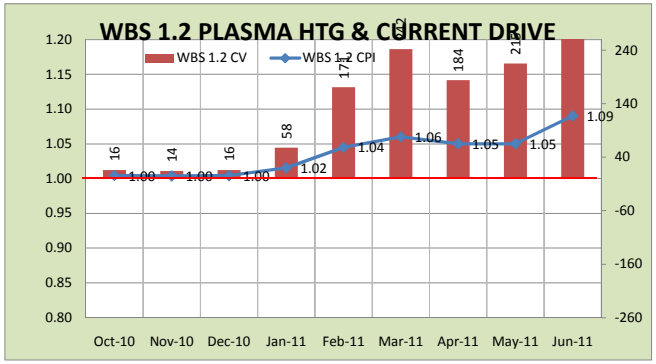


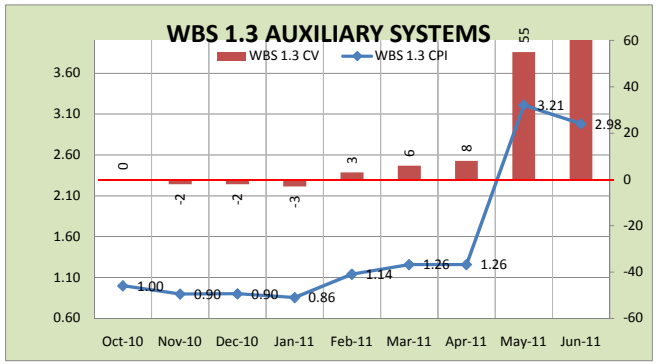


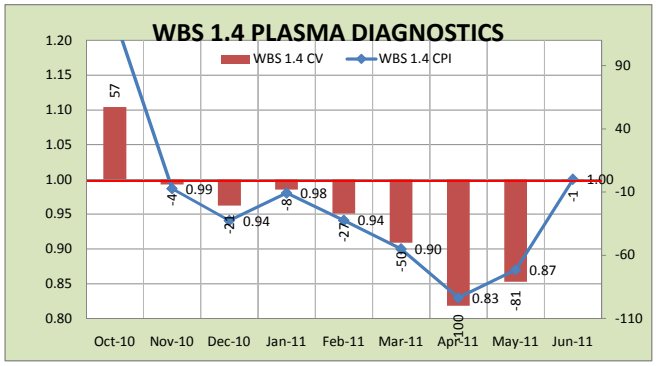
NSTX Upgrade Project Performance Trends since CD-2 Approval

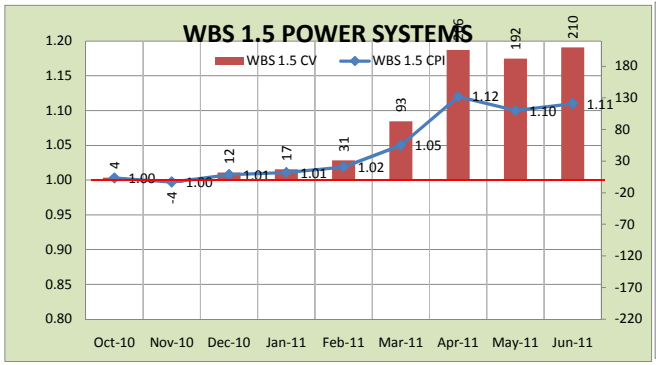
Pg.1: Schedule, Pg.2: Cost

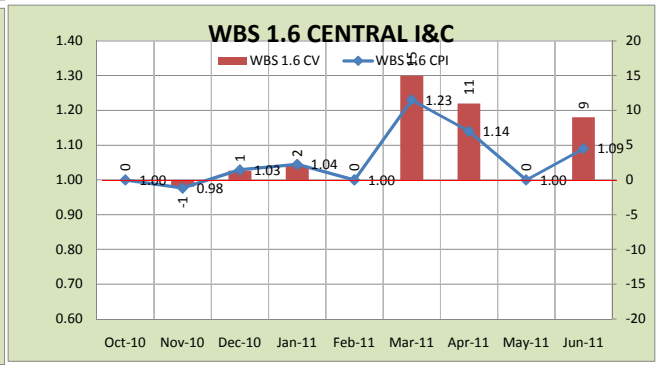


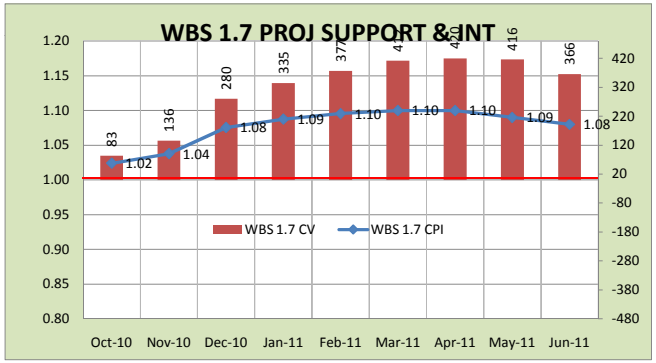


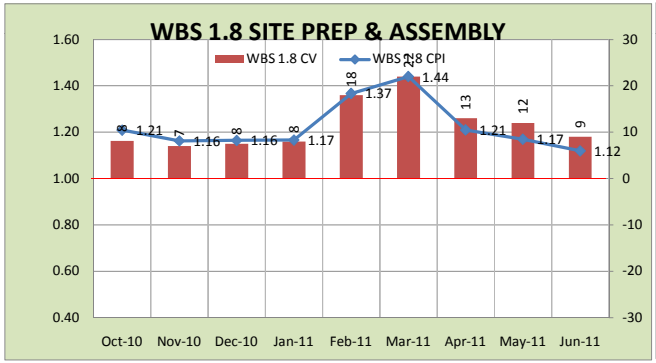


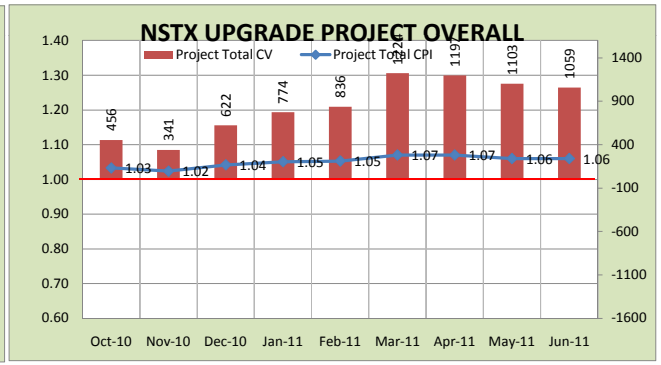


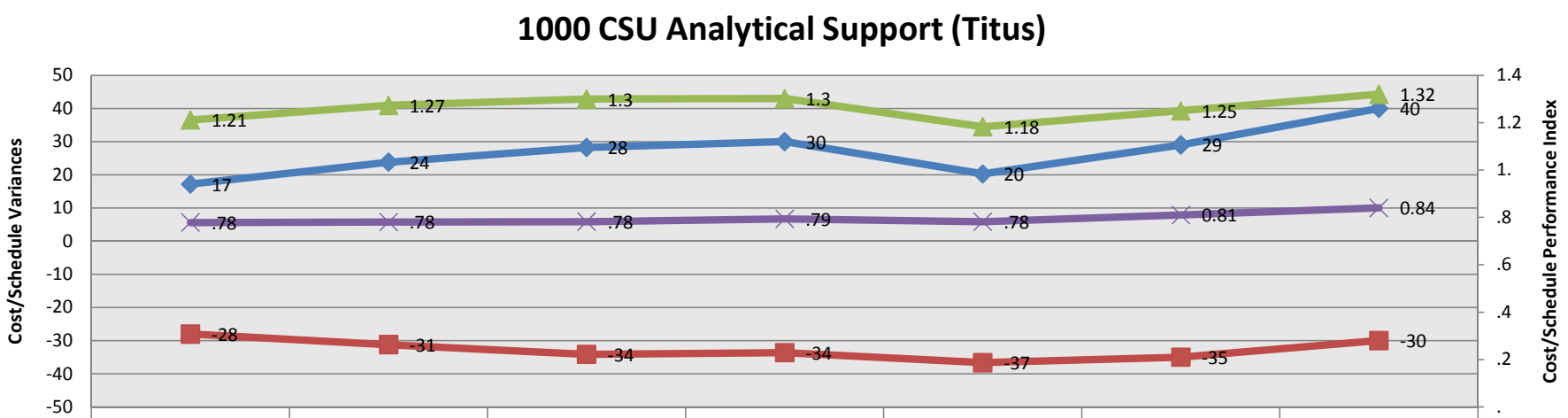




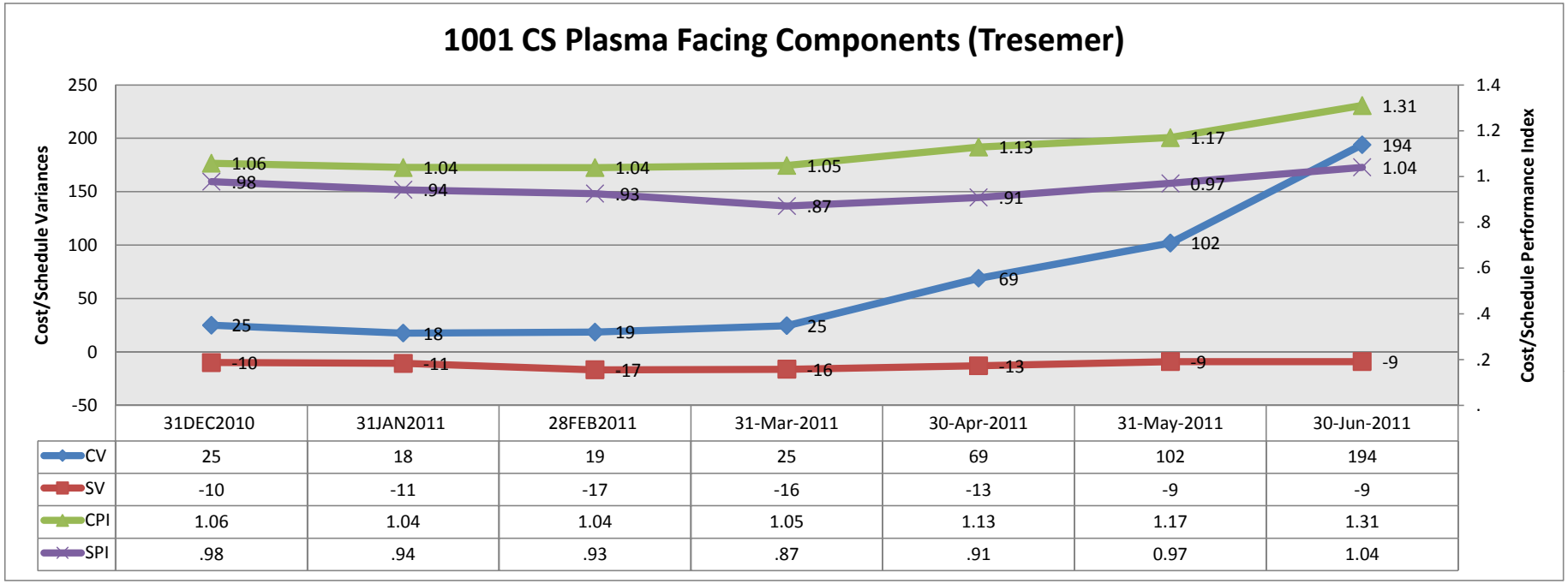






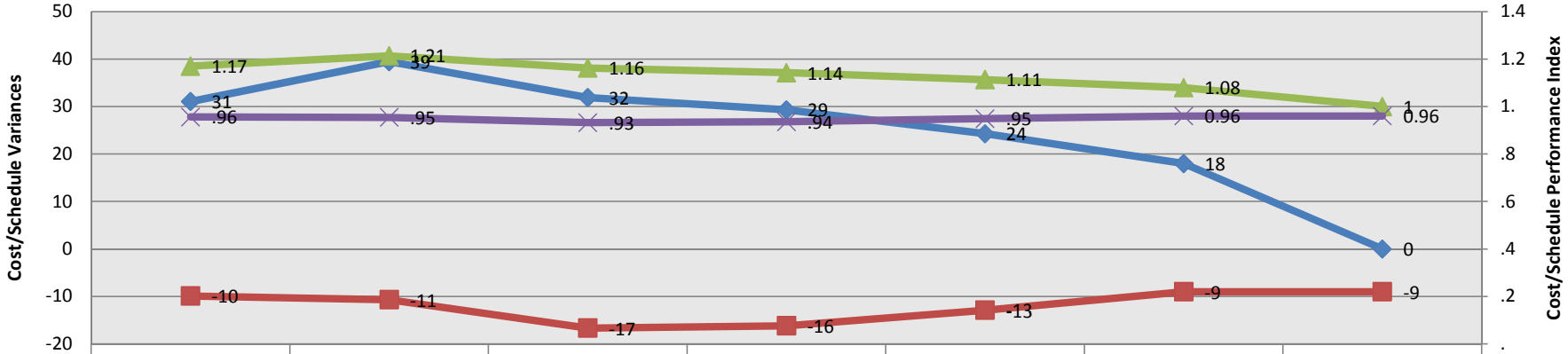


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	17	24	28	30	20	29	40
SV	-28	-31	-34	-34	-37	-35	-30
CPI	1.21	1.27	1.3	1.3	1.18	1.25	1.32
SPI	.78	.78	.78	.79	.78	0.81	0.84

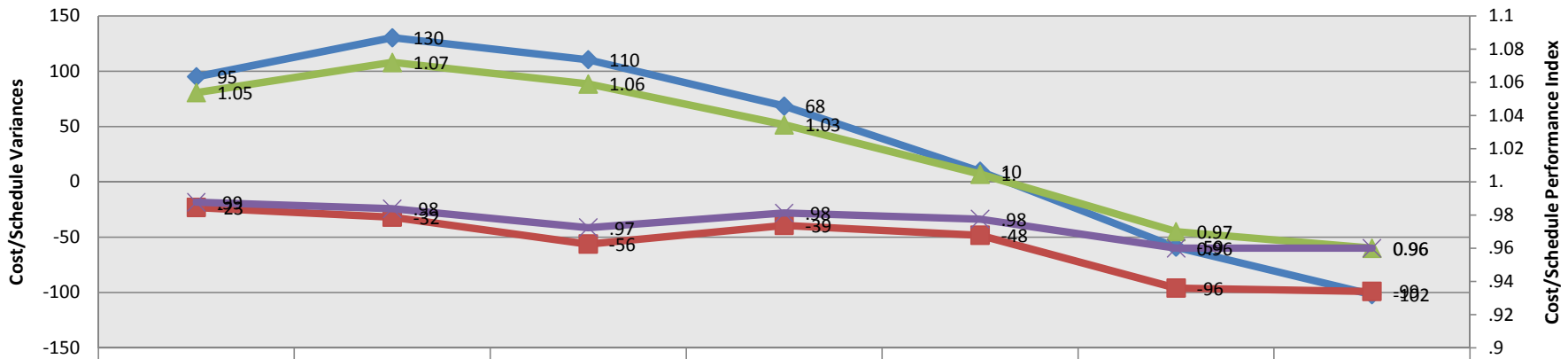


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	25	18	19	25	69	102	194
SV	-10	-11	-17	-16	-13	-9	-9
CPI	1.06	1.04	1.04	1.05	1.13	1.17	1.31
SPI	.98	.94	.93	.87	.91	0.97	1.04

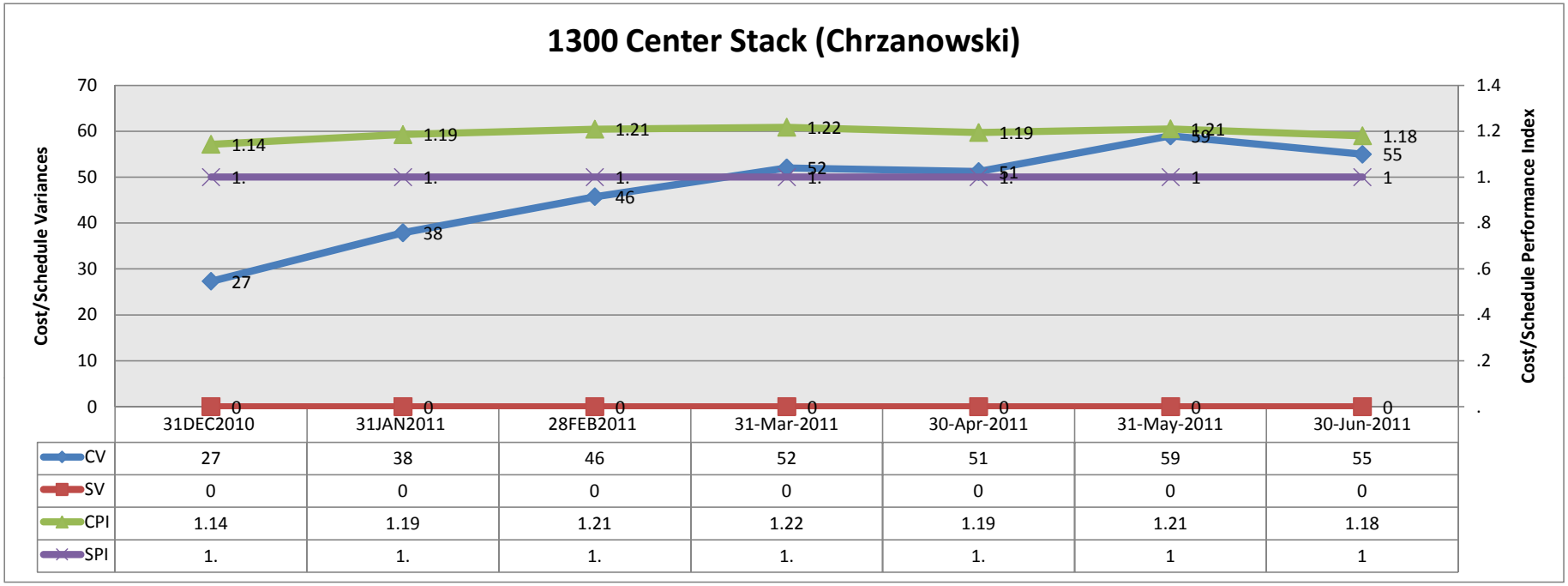
1002 Passive Plate Analysis & Upgrade (Titus)



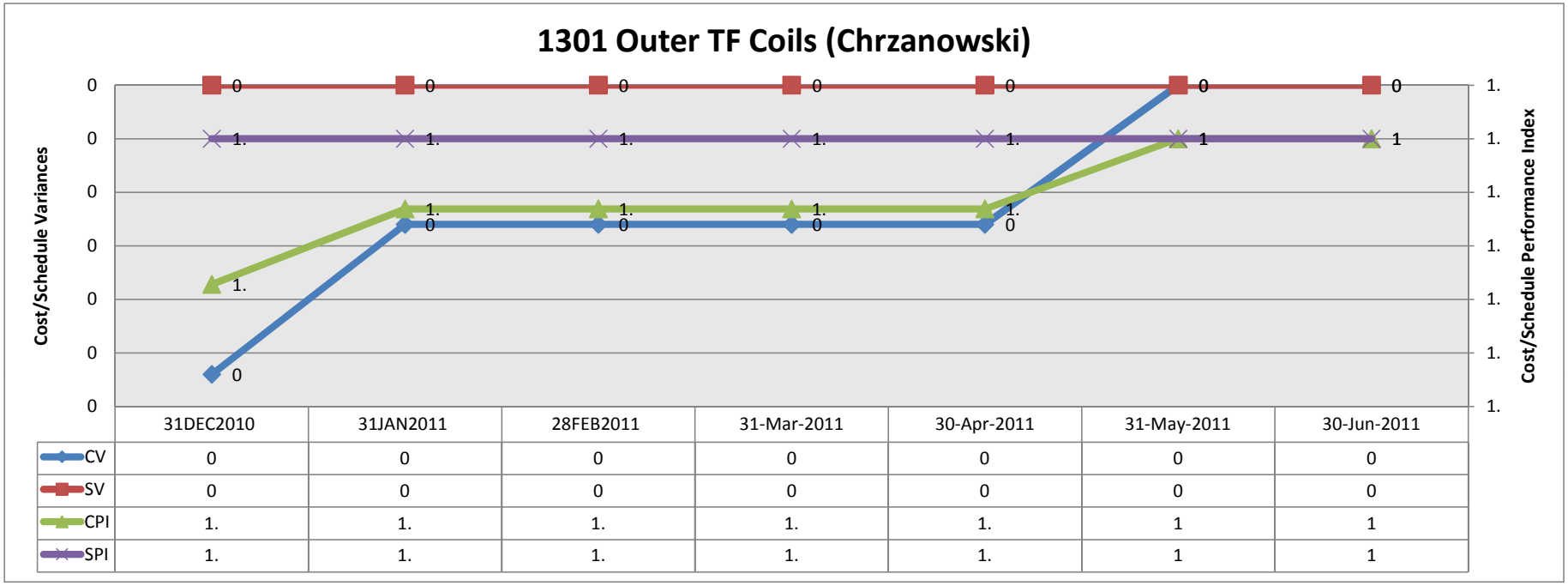
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	31	39	32	29	24	18	0
SV	-10	-11	-17	-16	-13	-9	-9
CPI	1.17	1.21	1.16	1.14	1.11	1.08	1
SPI	.96	.95	.93	.94	.95	0.96	0.96



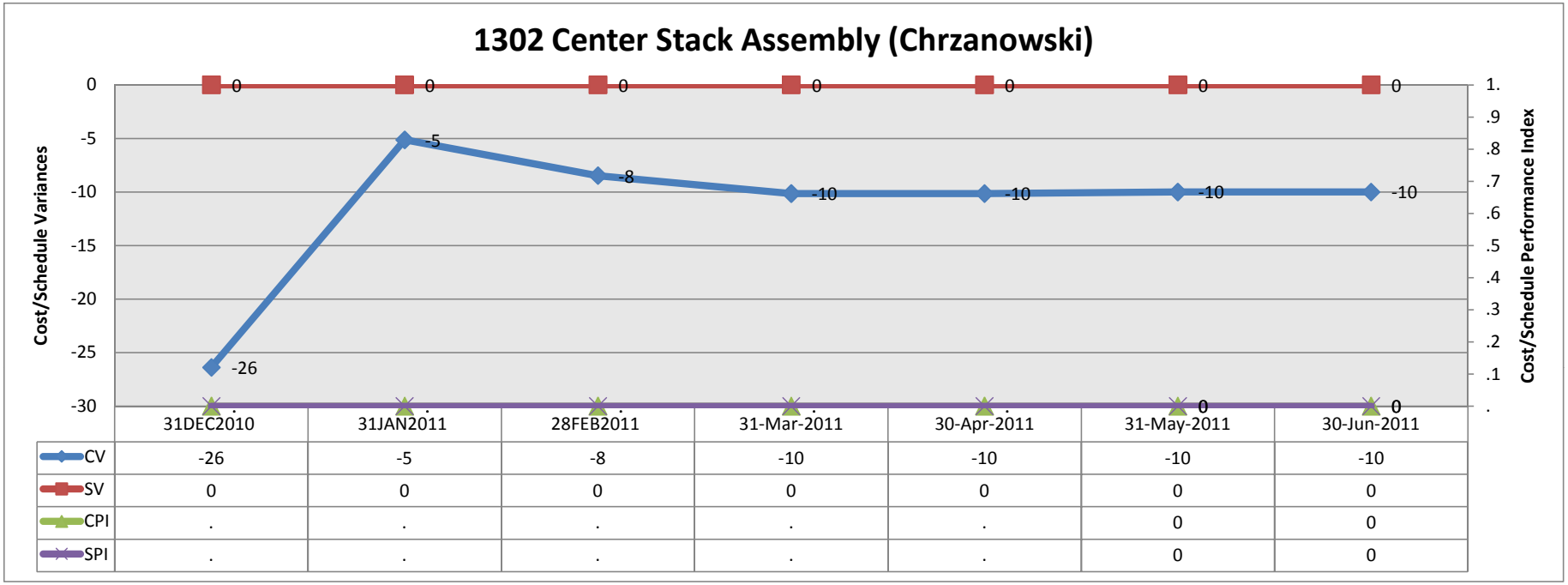
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	95	130	110	68	10	-59	-102
SV	-23	-32	-56	-39	-48	-96	-99
CPI	1.05	1.07	1.06	1.03	1.	0.97	0.96
SPI	.99	.98	.97	.98	.98	0.96	0.96



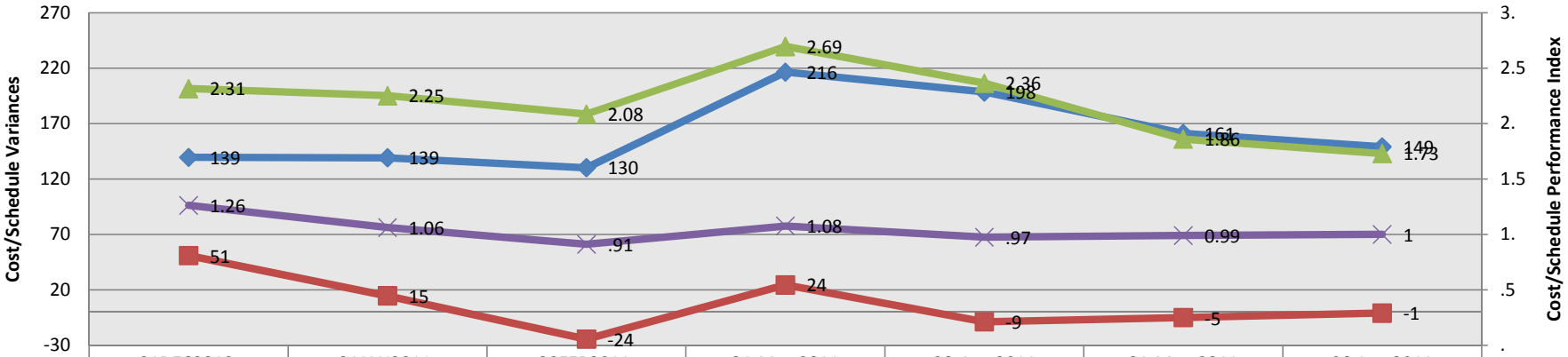
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	27	38	46	52	51	59	55
SV	0	0	0	0	0	0	0
CPI	1.14	1.19	1.21	1.22	1.19	1.21	1.18
SPI	1.	1.	1.	1.	1.	1	1



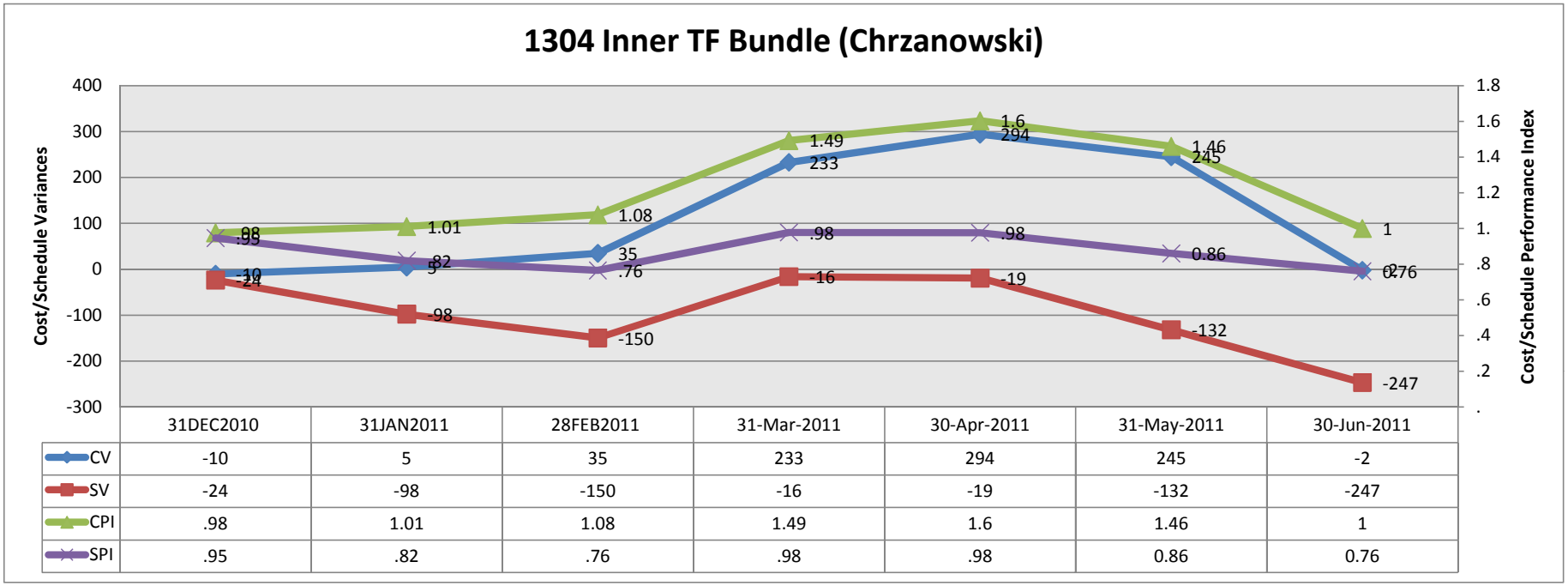
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	0	0	0	0	0
SV	0	0	0	0	0	0	0
CPI	1.	1.	1.	1.	1.	1	1
SPI	1.	1.	1.	1.	1.	1	1



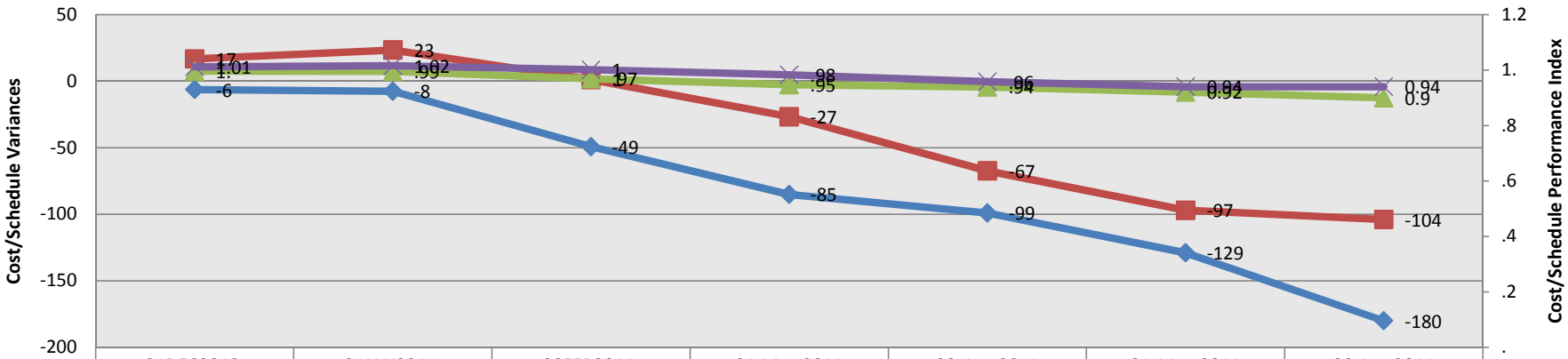
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-26	-5	-8	-10	-10	-10	-10
SV	0	0	0	0	0	0	0
CPI	.	.	.	.	.	0	0
SPI	.	.	.	.	.	0	0



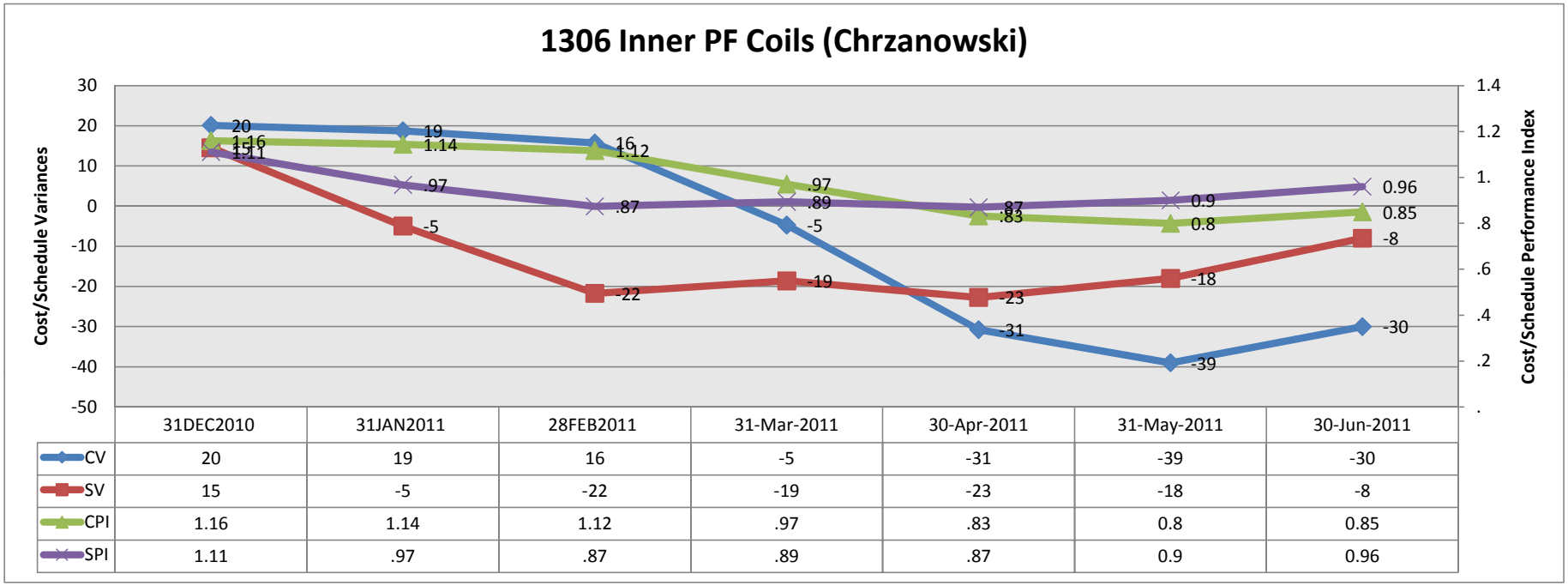
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	139	139	130	216	198	161	149
SV	51	15	-24	24	-9	-5	-1
CPI	2.31	2.25	2.08	2.69	2.36	1.86	1.73
SPI	1.26	1.06	.91	1.08	.97	0.99	1



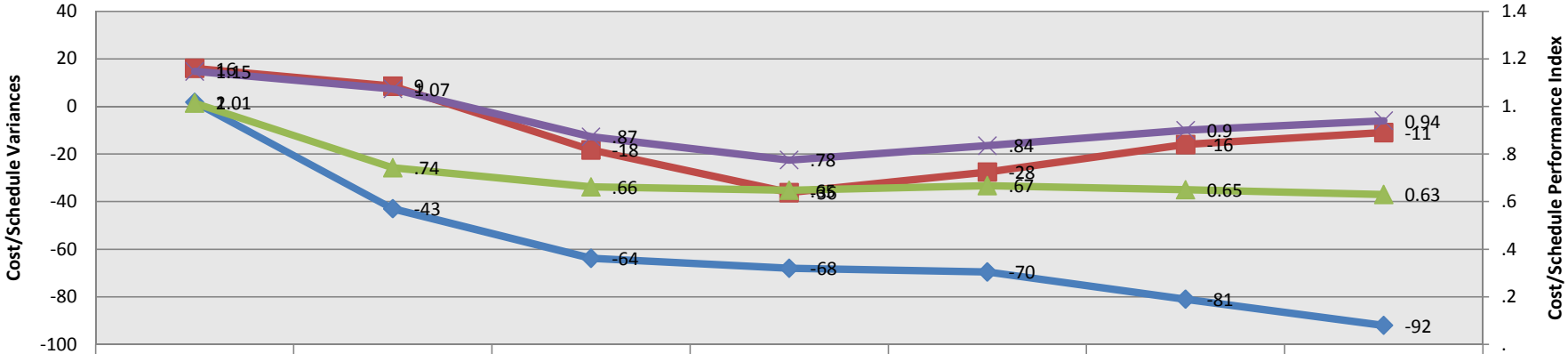
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-10	5	35	233	294	245	-2
SV	-24	-98	-150	-16	-19	-132	-247
CPI	.98	1.01	1.08	1.49	1.6	1.46	1
SPI	.95	.82	.76	.98	.98	0.86	0.76



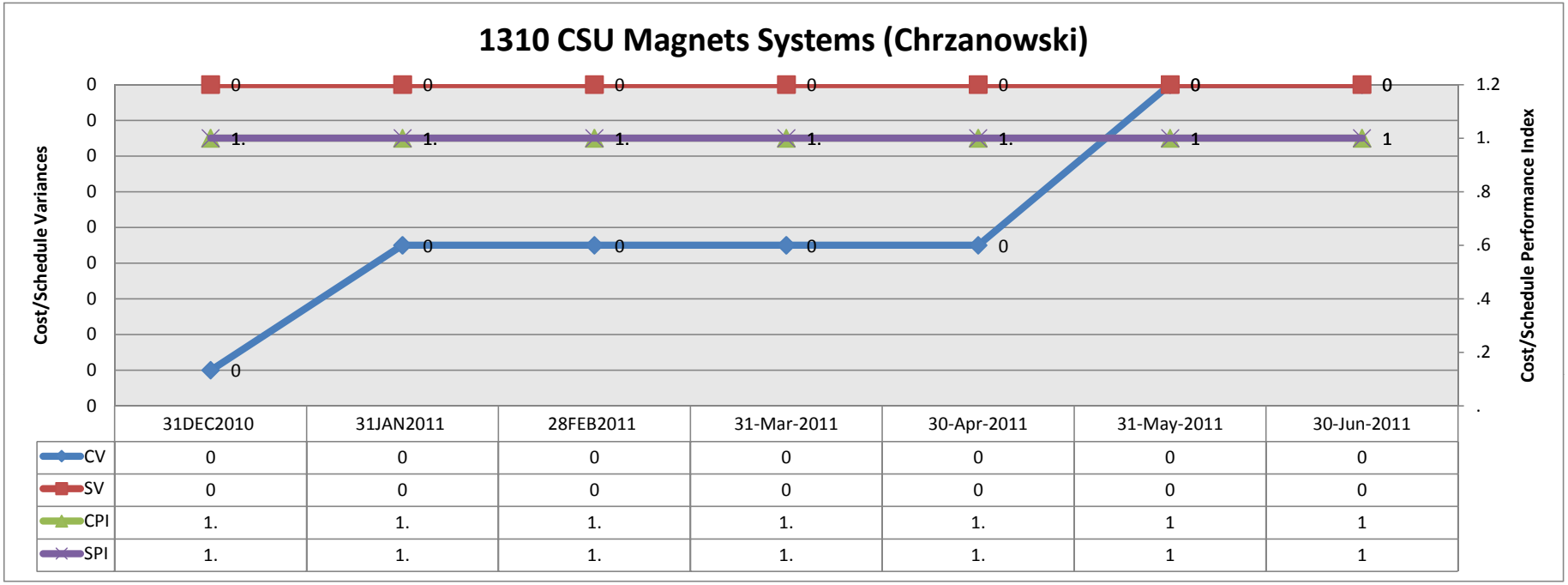
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-6	-8	-49	-85	-99	-129	-180
SV	17	23	1	-27	-67	-97	-104
CPI	1.	.99	.97	.95	.94	0.92	0.9
SPI	1.01	1.02	1.	.98	.96	0.94	0.94



	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	20	19	16	-5	-31	-39	-30
SV	15	-5	-22	-19	-23	-18	-8
CPI	1.16	1.14	1.12	.97	.83	0.8	0.85
SPI	1.11	.97	.87	.89	.87	0.9	0.96

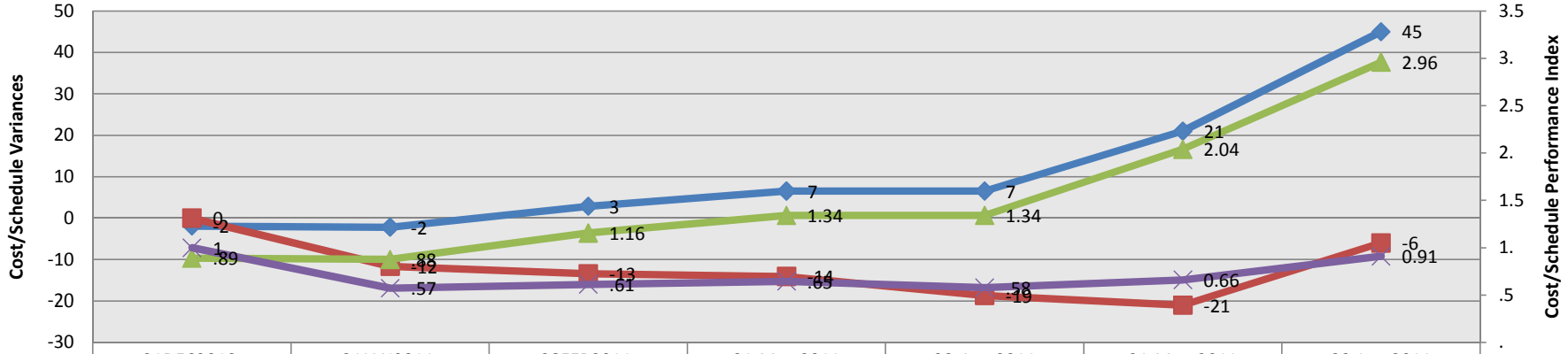


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	2	-43	-64	-68	-70	-81	-92
SV	16	9	-18	-36	-28	-16	-11
CPI	1.01	.74	.66	.65	.67	0.65	0.63
SPI	1.15	1.07	.87	.78	.84	0.9	0.94

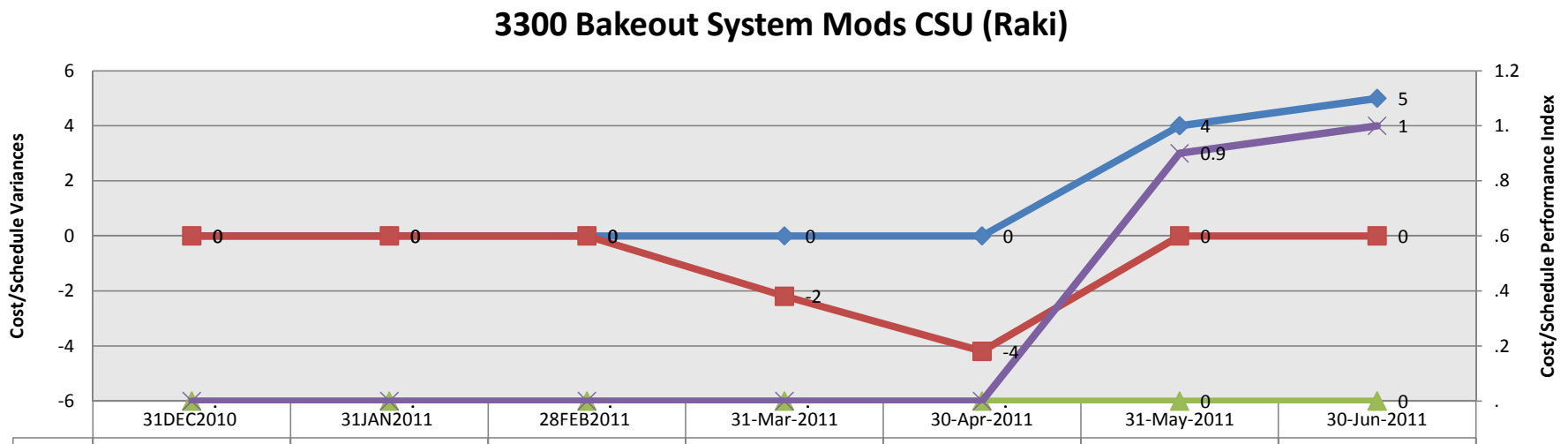


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	0	0	0	0	0
SV	0	0	0	0	0	0	0
CPI	1.	1.	1.	1.	1.	1	1
SPI	1.	1.	1.	1.	1.	1	1

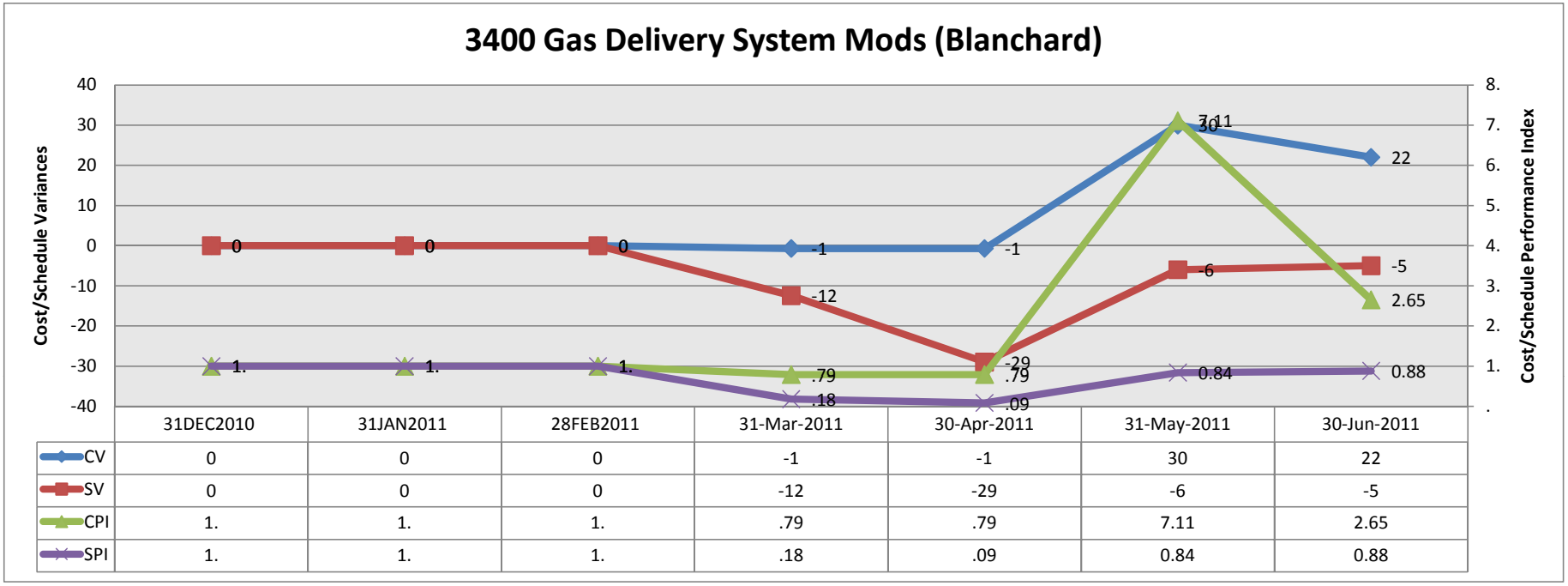
3200 Water Cooling System Mods (Denault)



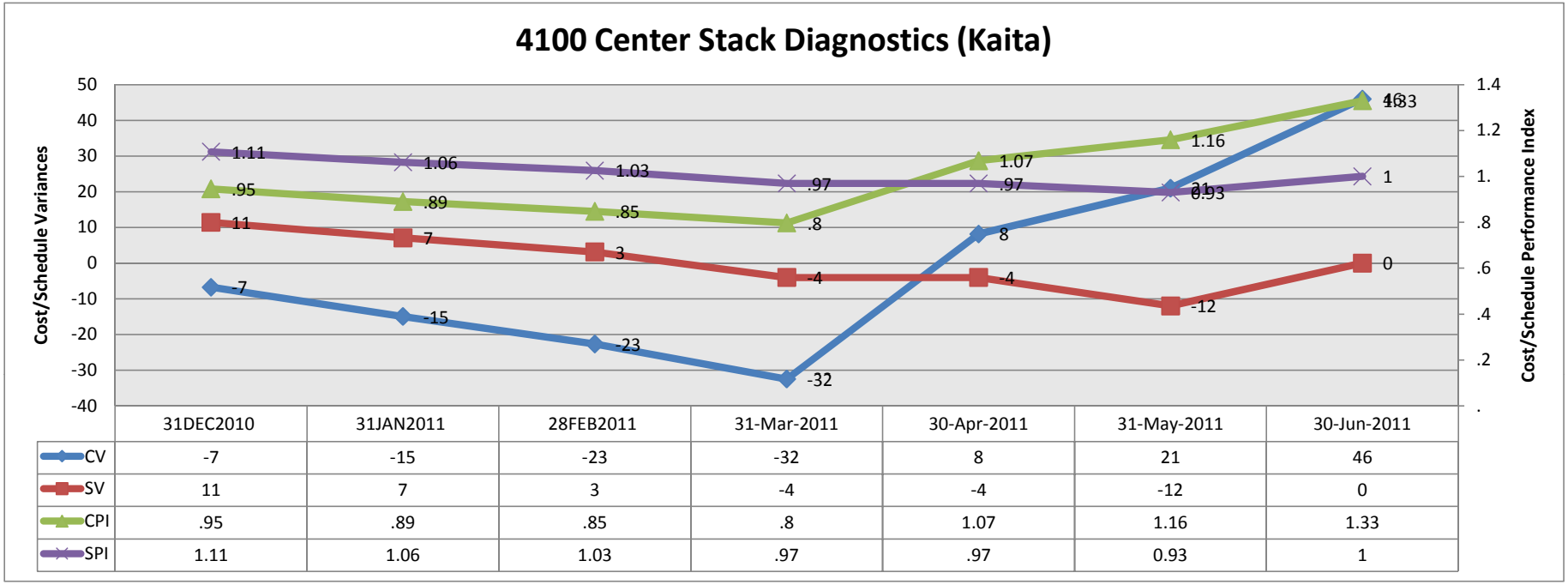
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-2	-2	3	7	7	21	45
SV	0	-12	-13	-14	-19	-21	-6
CPI	.89	.88	1.16	1.34	1.34	2.04	2.96
SPI	1.	.57	.61	.65	.58	0.66	0.91



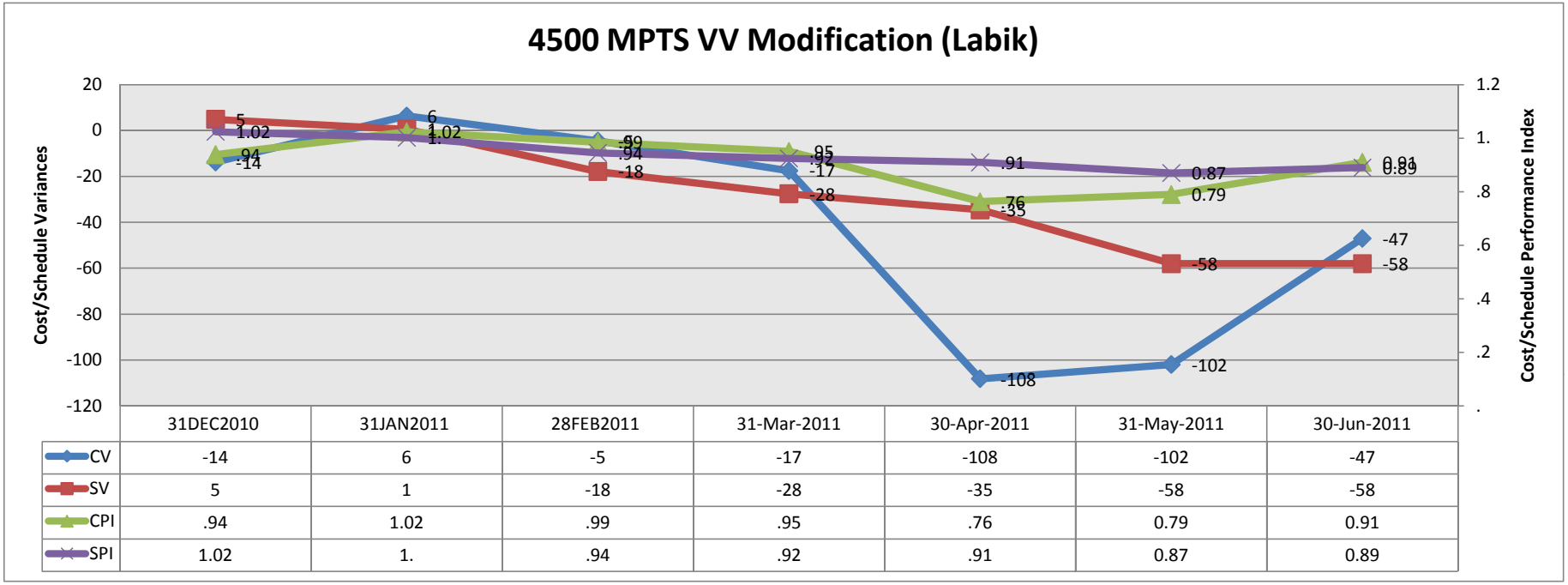
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	0	0	0	4	5
SV	0	0	0	-2	-4	0	0
CPI	.	.	.	.	.	0	0
SPI	.	.	.	.	.	0.9	1



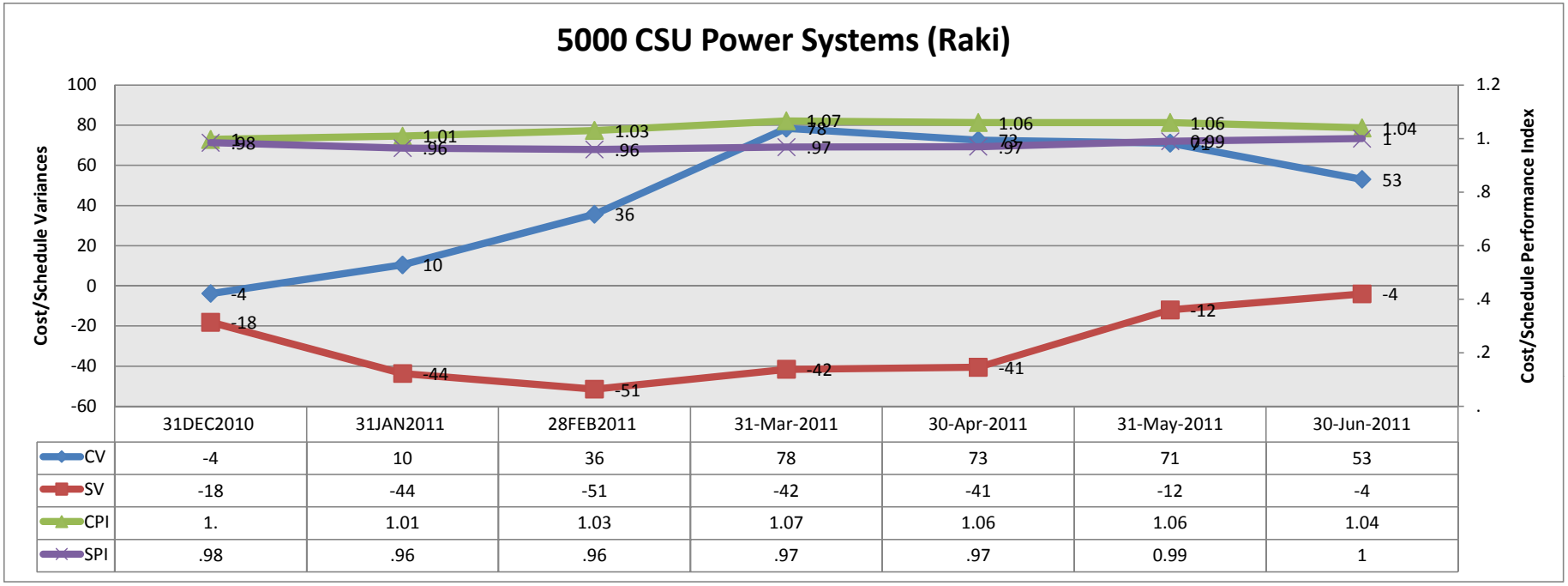
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	0	-1	-1	30	22
SV	0	0	0	-12	-29	-6	-5
CPI	1.	1.	1.	.79	.79	7.11	2.65
SPI	1.	1.	1.	.18	.09	0.84	0.88



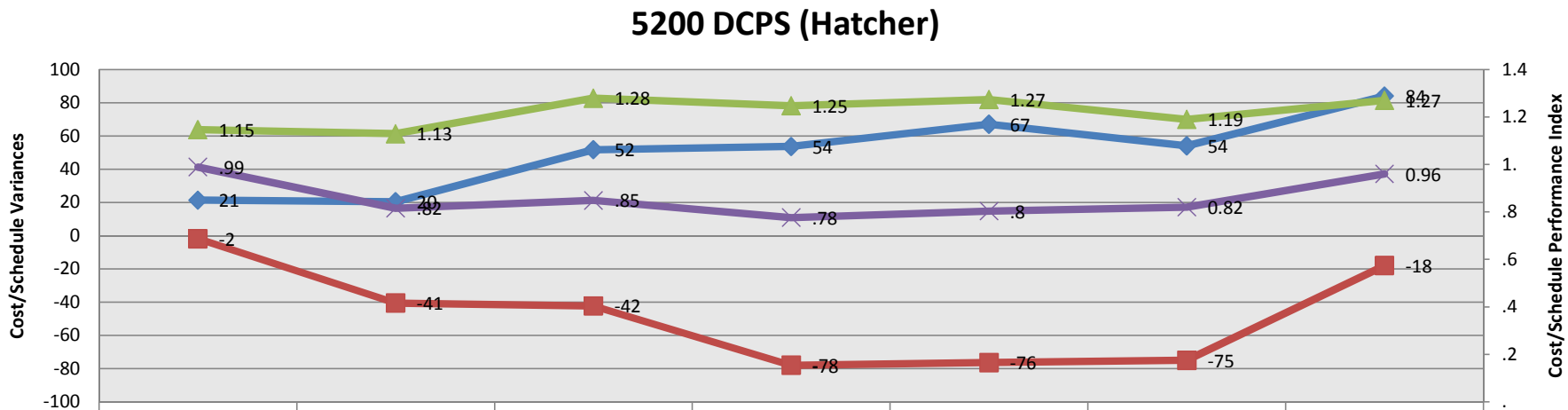
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-7	-15	-23	-32	8	21	46
SV	11	7	3	-4	-4	-12	0
CPI	.95	.89	.85	.8	1.07	1.16	1.33
SPI	1.11	1.06	1.03	.97	.97	0.93	1



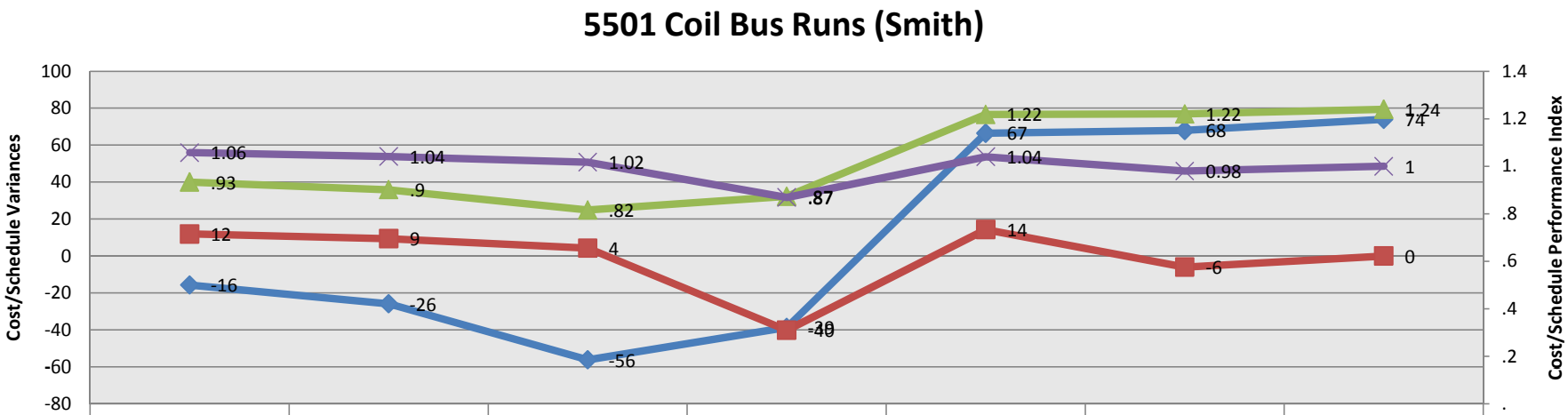
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-14	6	-5	-17	-108	-102	-47
SV	5	1	-18	-28	-35	-58	-58
CPI	.94	1.02	.99	.95	.76	0.79	0.91
SPI	1.02	1.	.94	.92	.91	0.87	0.89



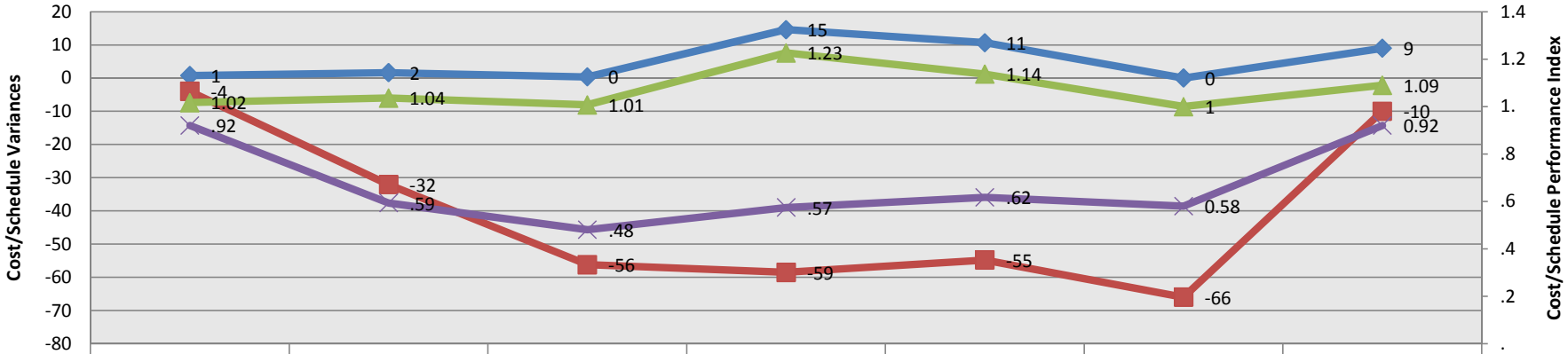
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-4	10	36	78	73	71	53
SV	-18	-44	-51	-42	-41	-12	-4
CPI	1.	1.01	1.03	1.07	1.06	1.06	1.04
SPI	.98	.96	.96	.97	.97	0.99	1



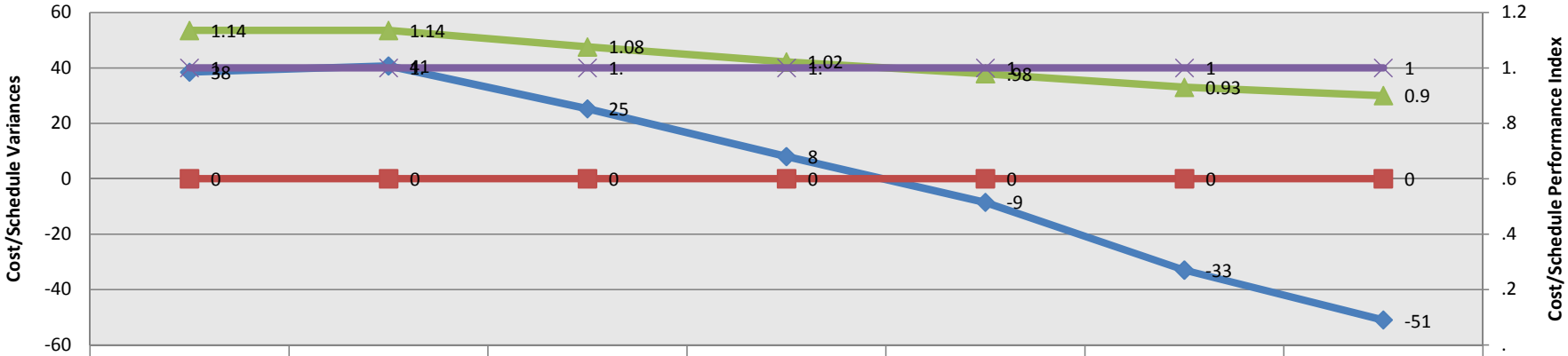
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	21	20	52	54	67	54	84
SV	-2	-41	-42	-78	-76	-75	-18
CPI	1.15	1.13	1.28	1.25	1.27	1.19	1.27
SPI	.99	.82	.85	.78	.8	0.82	0.96



	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-16	-26	-56	-39	67	68	74
SV	12	9	4	-40	14	-6	0
CPI	.93	.9	.82	.87	1.22	1.22	1.24
SPI	1.06	1.04	1.02	.87	1.04	0.98	1

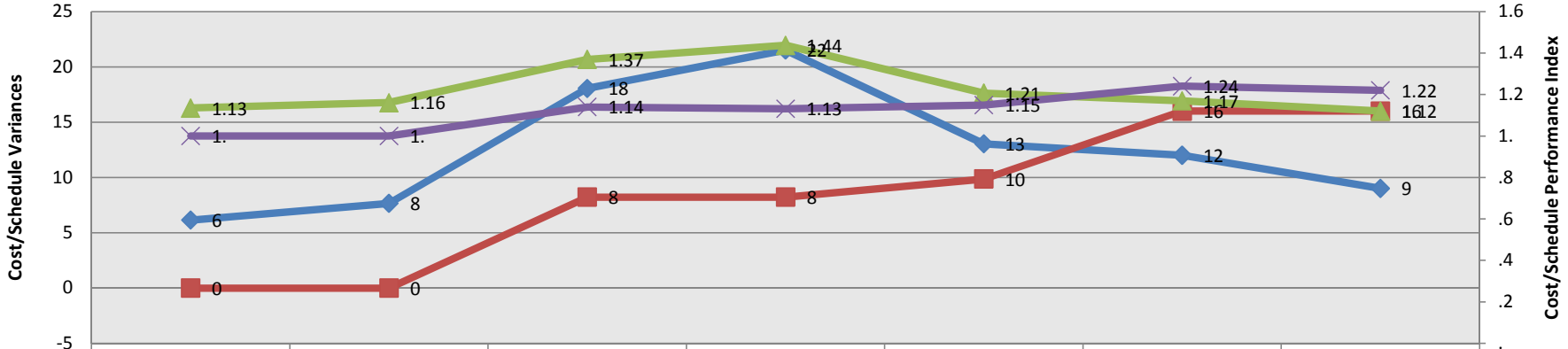


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	1	2	0	15	11	0	9
SV	-4	-32	-56	-59	-55	-66	-10
CPI	1.02	1.04	1.01	1.23	1.14	1	1.09
SPI	.92	.59	.48	.57	.62	0.58	0.92



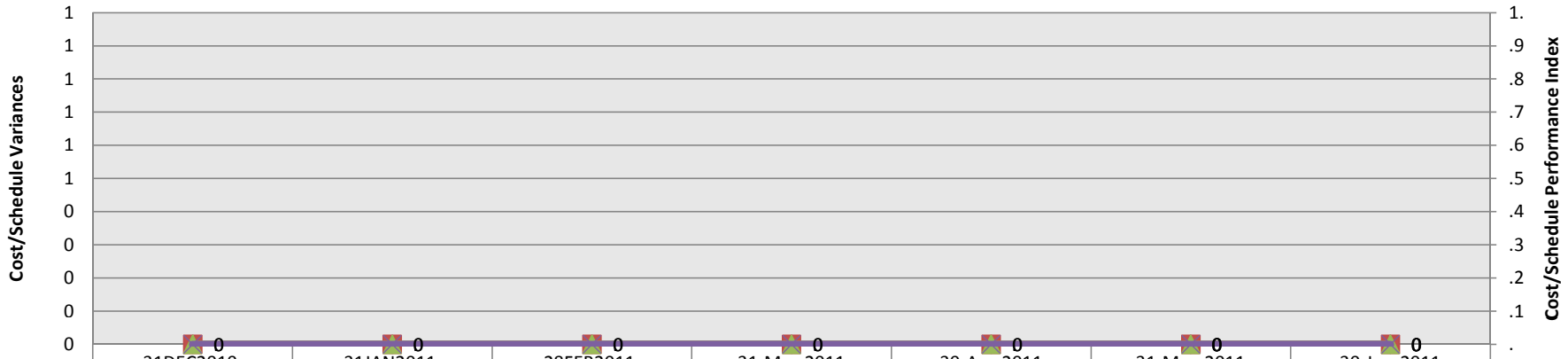
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	38	41	25	8	-9	-33	-51
SV	0	0	0	0	0	0	0
CPI	1.14	1.14	1.08	1.02	.98	0.93	0.9
SPI	1.	1.	1.	1.	1.	1	1

8200 CS & Coil Sprt Structure Install (Viola)

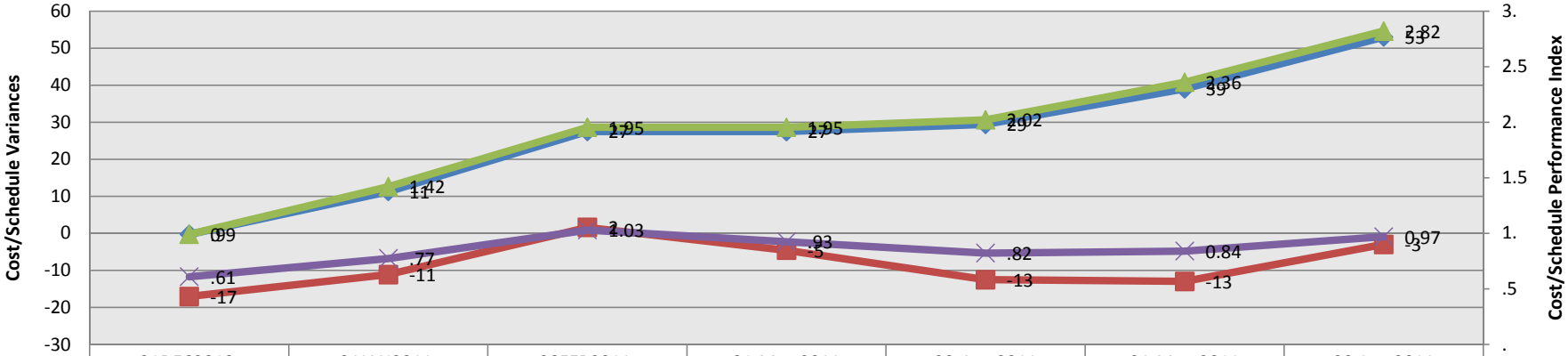


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	6	8	18	22	13	12	9
SV	0	0	8	8	10	16	16
CPI	1.13	1.16	1.37	1.44	1.21	1.17	1.12
SPI	1.	1.	1.14	1.13	1.15	1.24	1.22

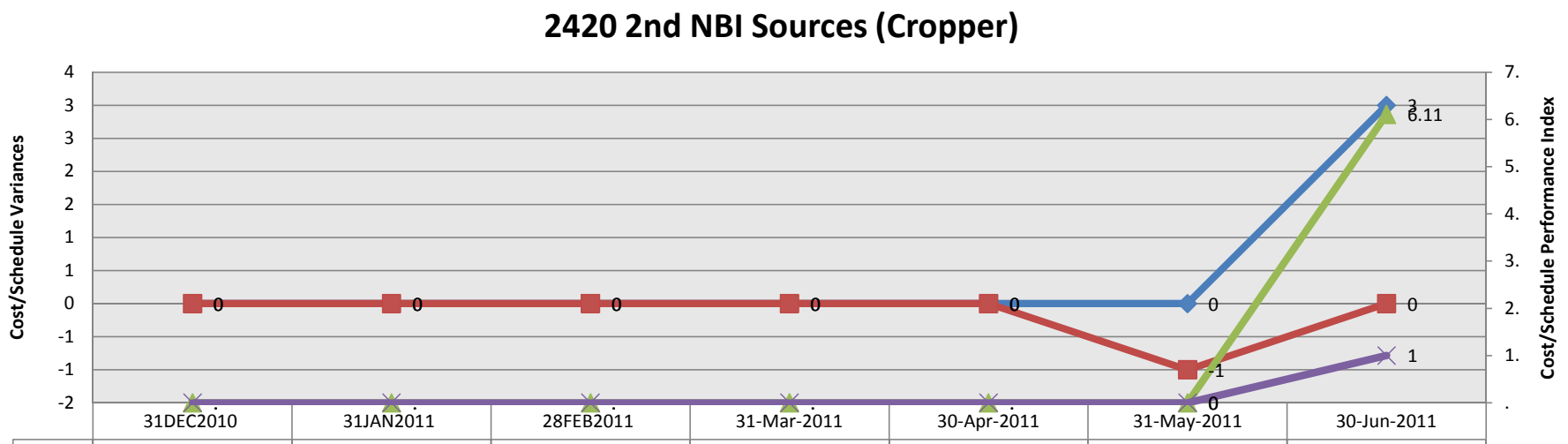
8250 Remove/Install Centerstack (Perry)



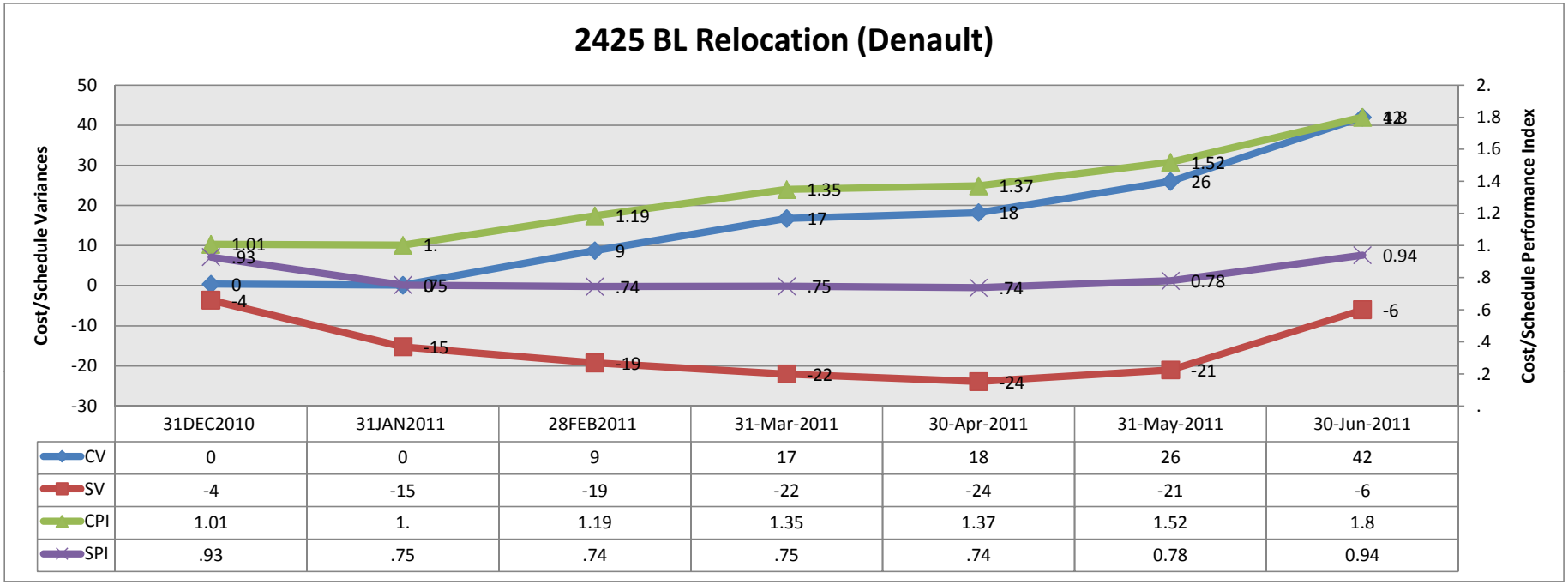
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	0	0	0	0	0
SV	0	0	0	0	0	0	0
CPI	.	.	.	.	.	0	0
SPI	.	.	.	.	.	0	0



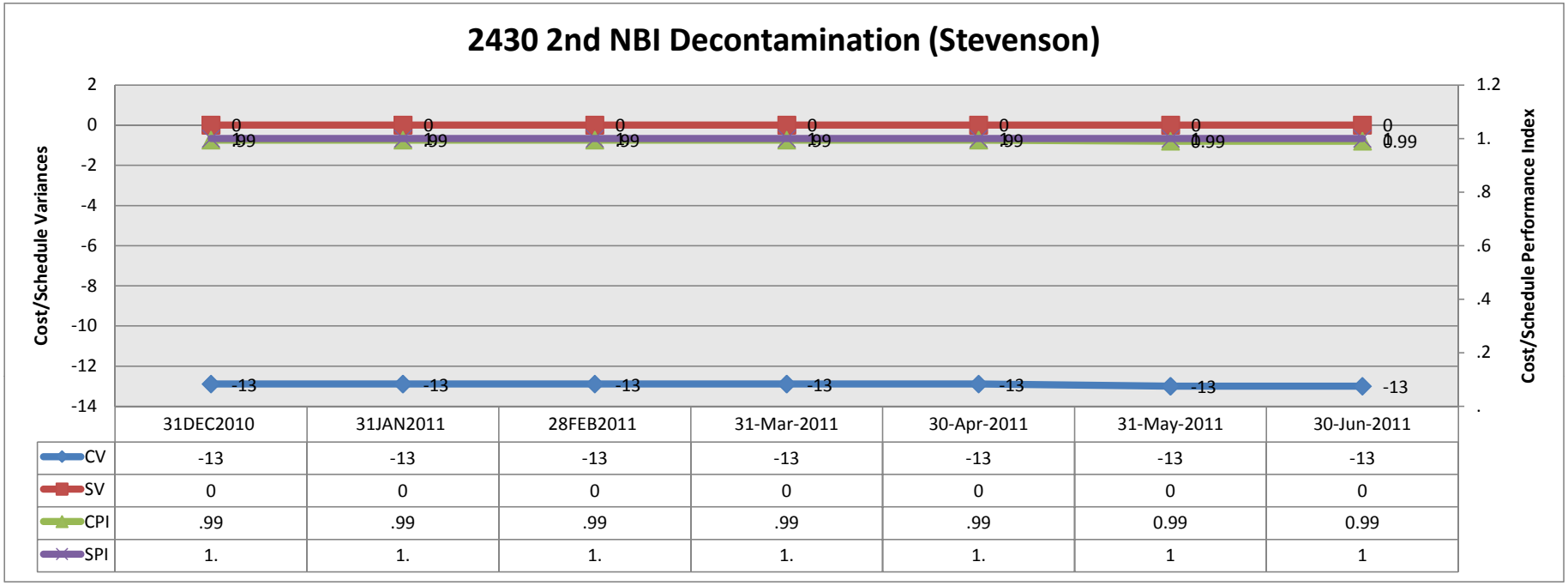
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	11	27	27	29	39	53
SV	-17	-11	2	-5	-13	-13	-3
CPI	.99	1.42	1.95	1.95	2.02	2.36	2.82
SPI	.61	.77	1.03	.93	.82	0.84	0.97



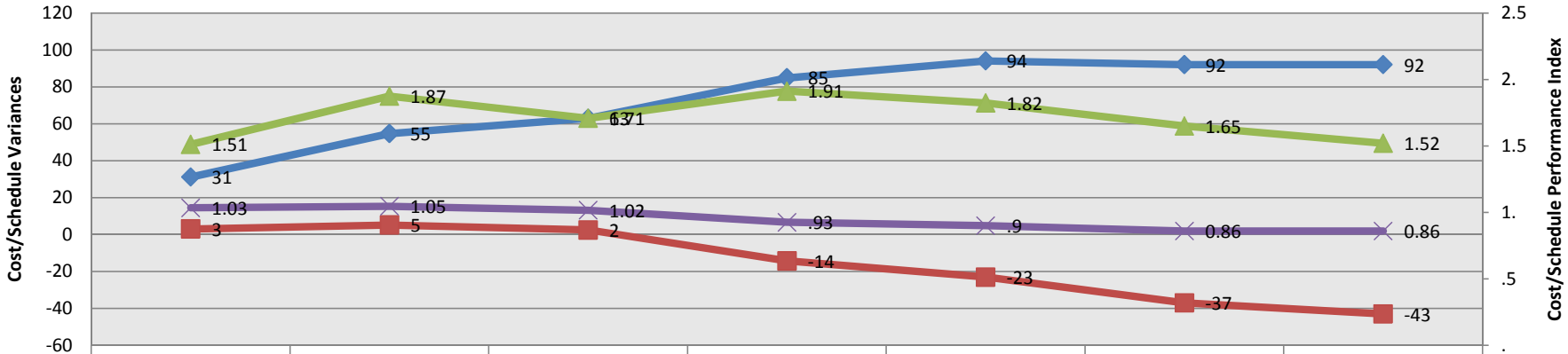
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	0	0	0	0	3
SV	0	0	0	0	0	-1	0
CPI	.	.	.	.	.	0	6.11
SPI	.	.	.	.	.	0	1



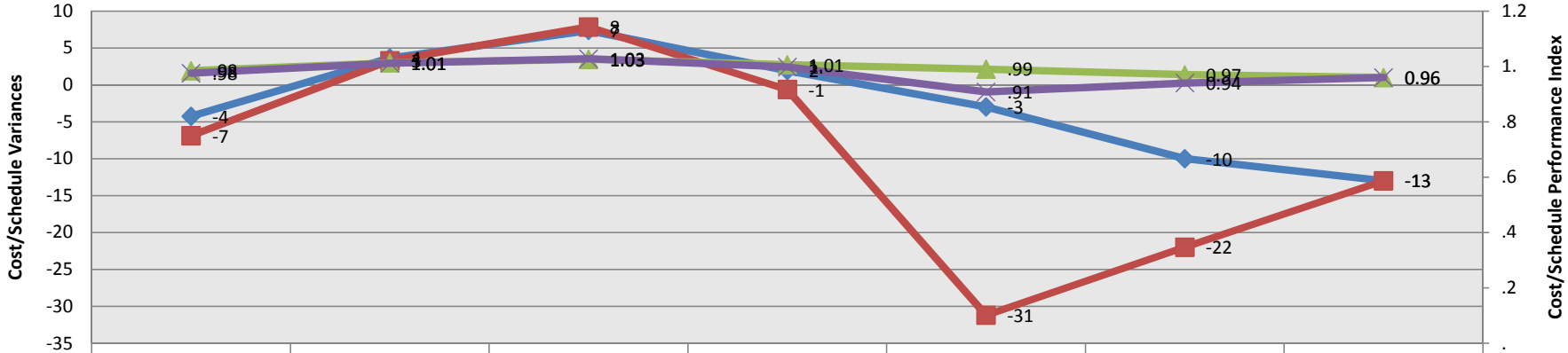
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	9	17	18	26	42
SV	-4	-15	-19	-22	-24	-21	-6
CPI	1.01	1.	1.19	1.35	1.37	1.52	1.8
SPI	.93	.75	.74	.75	.74	0.78	0.94



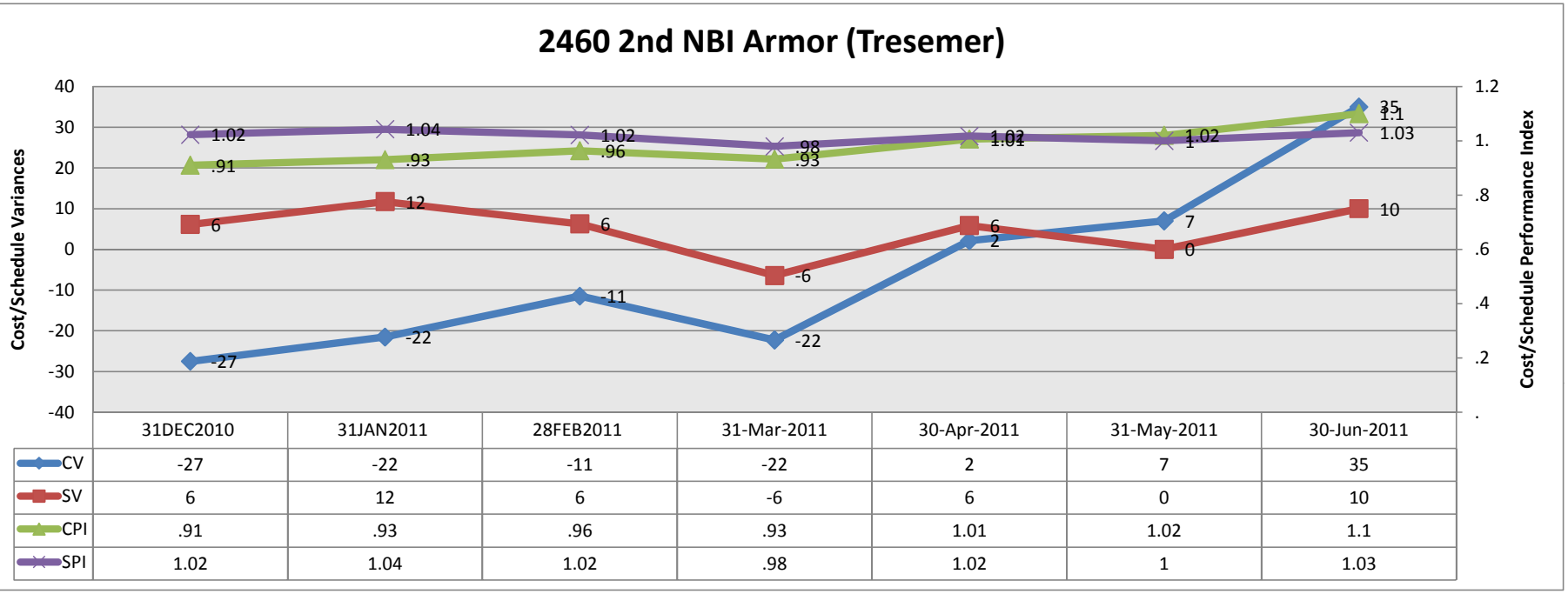
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-13	-13	-13	-13	-13	-13	-13
SV	0	0	0	0	0	0	0
CPI	.99	.99	.99	.99	.99	0.99	0.99
SPI	1.	1.	1.	1.	1.	1	1



	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	31	55	63	85	94	92	92
SV	3	5	2	-14	-23	-37	-43
CPI	1.51	1.87	1.71	1.91	1.82	1.65	1.52
SPI	1.03	1.05	1.02	.93	.9	0.86	0.86

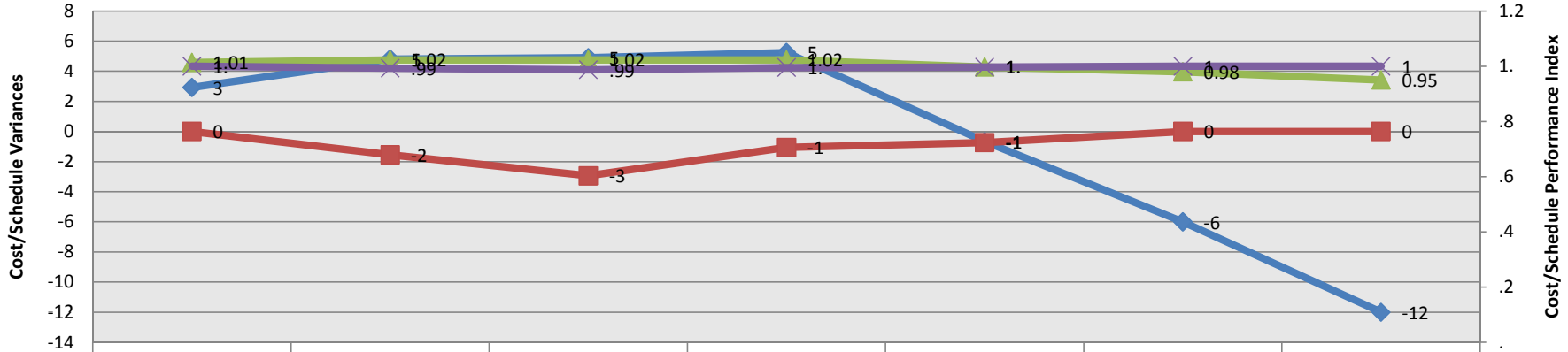


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-4	4	7	2	-3	-10	-13
SV	-7	3	8	-1	-31	-22	-13
CPI	.98	1.01	1.03	1.01	.99	0.97	0.96
SPI	.98	1.01	1.03	1.	.91	0.94	0.96

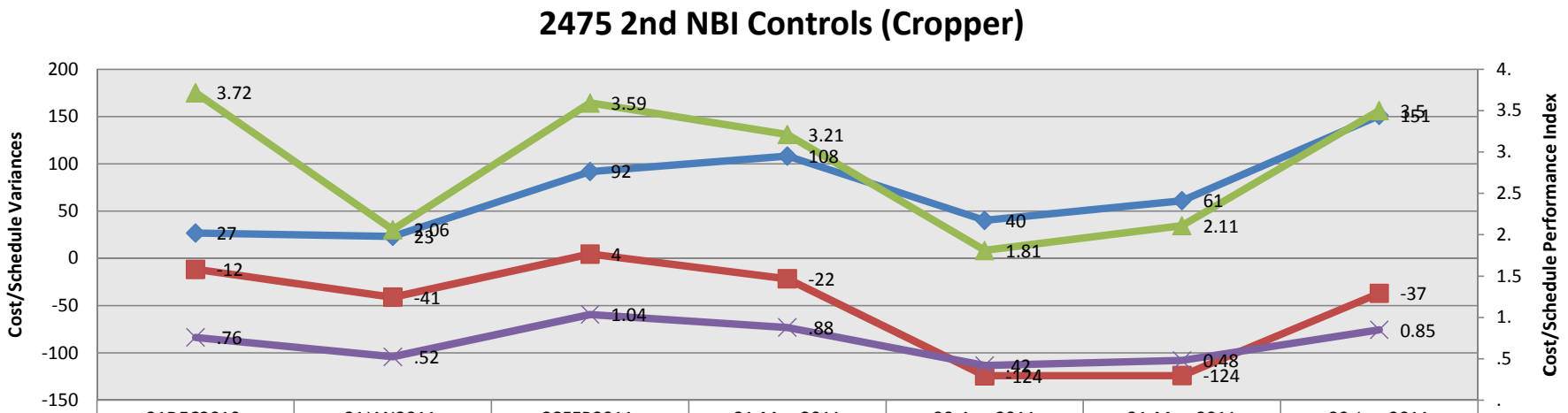


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-27	-22	-11	-22	2	7	35
SV	6	12	6	-6	6	0	10
CPI	.91	.93	.96	.93	1.01	1.02	1.1
SPI	1.02	1.04	1.02	.98	1.02	1	1.03

2470 2nd NBI Power (Raki)

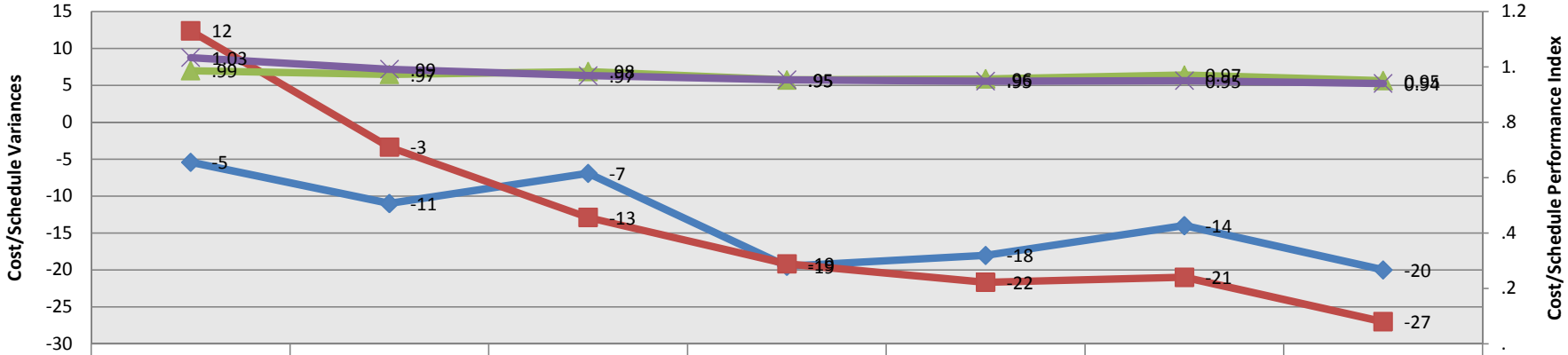


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	3	5	5	5	-1	-6	-12
SV	0	-2	-3	-1	-1	0	0
CPI	1.01	1.02	1.02	1.02	1.	0.98	0.95
SPI	1.	.99	.99	1.	1.	1	1

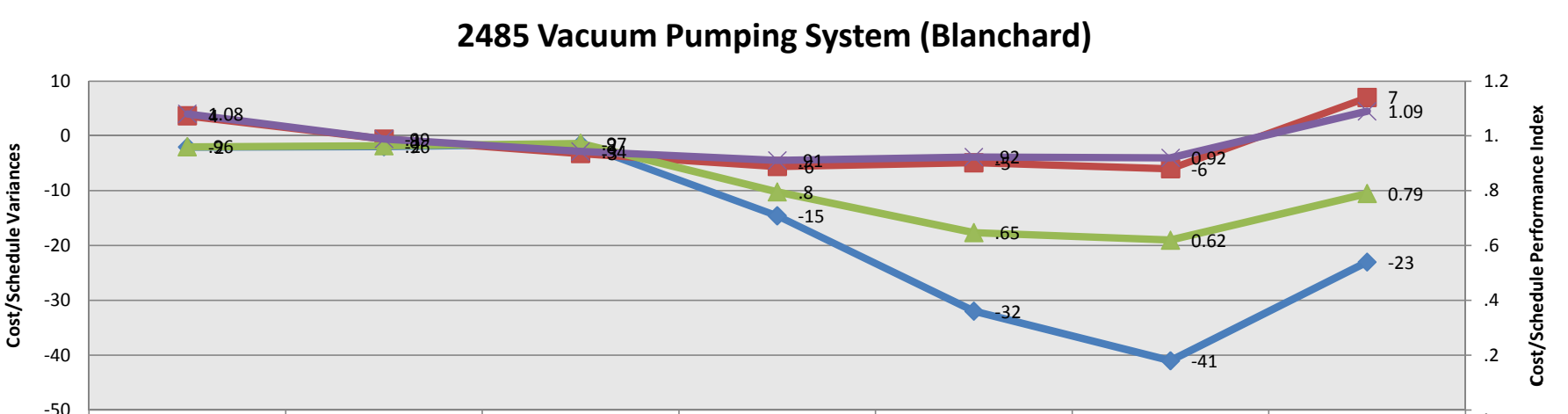


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	27	23	92	108	40	61	151
SV	-12	-41	4	-22	-124	-124	-37
CPI	3.72	2.06	3.59	3.21	1.81	2.11	3.5
SPI	.76	.52	1.04	.88	.42	0.48	0.85

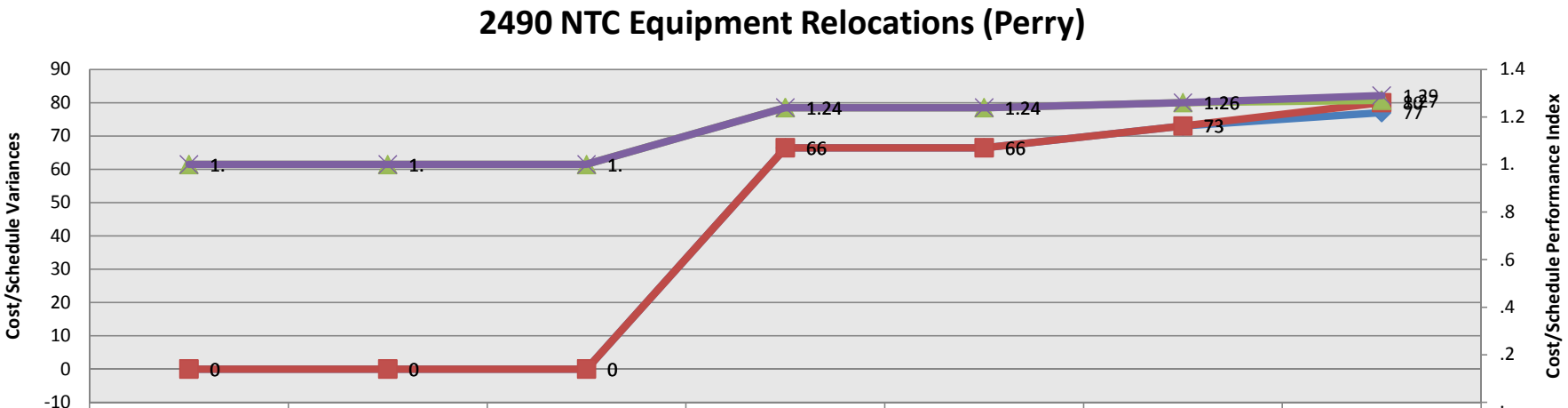
2480 2nd NBI/TVPS Duct (Denault)



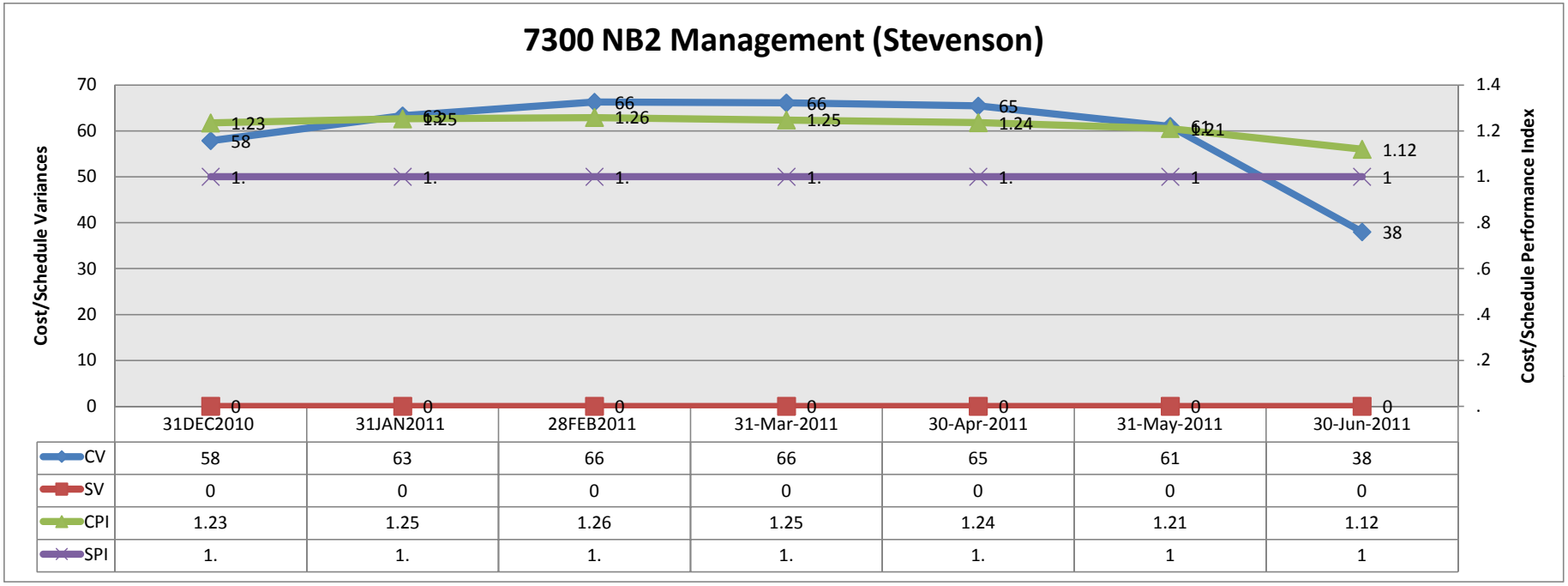
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-5	-11	-7	-19	-18	-14	-20
SV	12	-3	-13	-19	-22	-21	-27
CPI	.99	.97	.98	.95	.96	0.97	0.95
SPI	1.03	.99	.97	.95	.95	0.95	0.94



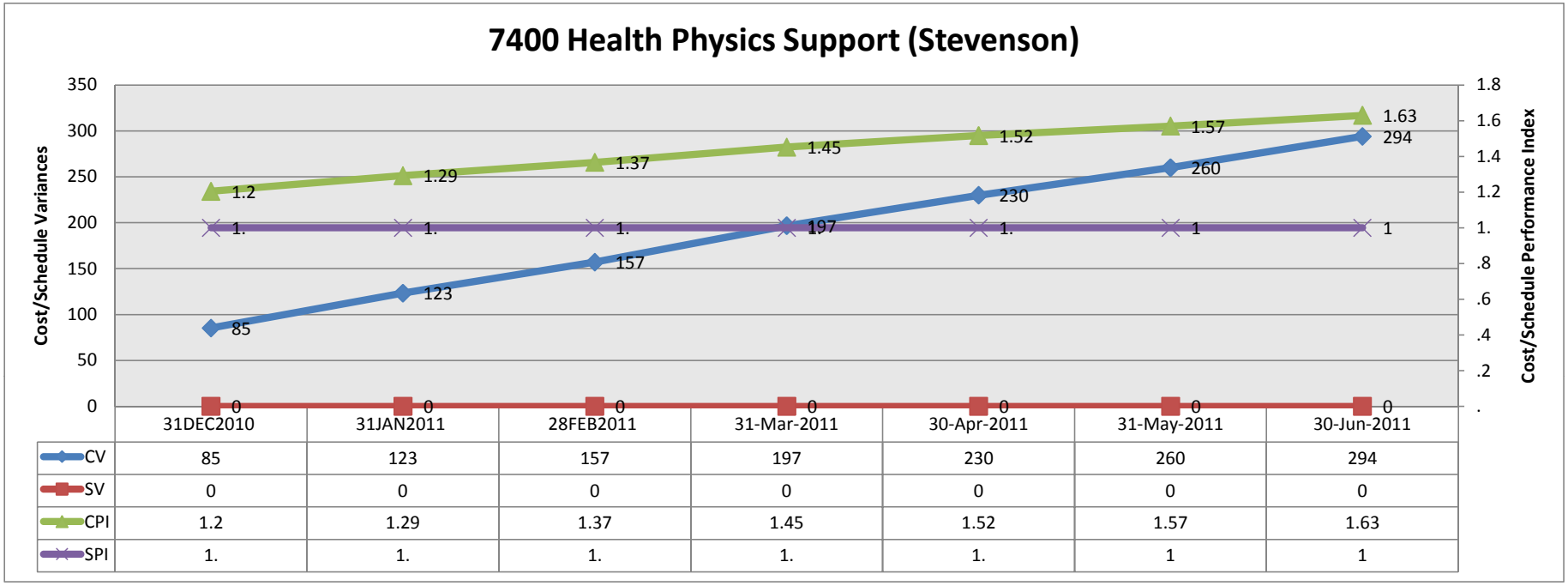
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	-2	-2	-2	-15	-32	-41	-23
SV	4	-1	-3	-6	-5	-6	7
CPI	.96	.96	.97	.8	.65	0.62	0.79
SPI	1.08	.99	.94	.91	.92	0.92	1.09



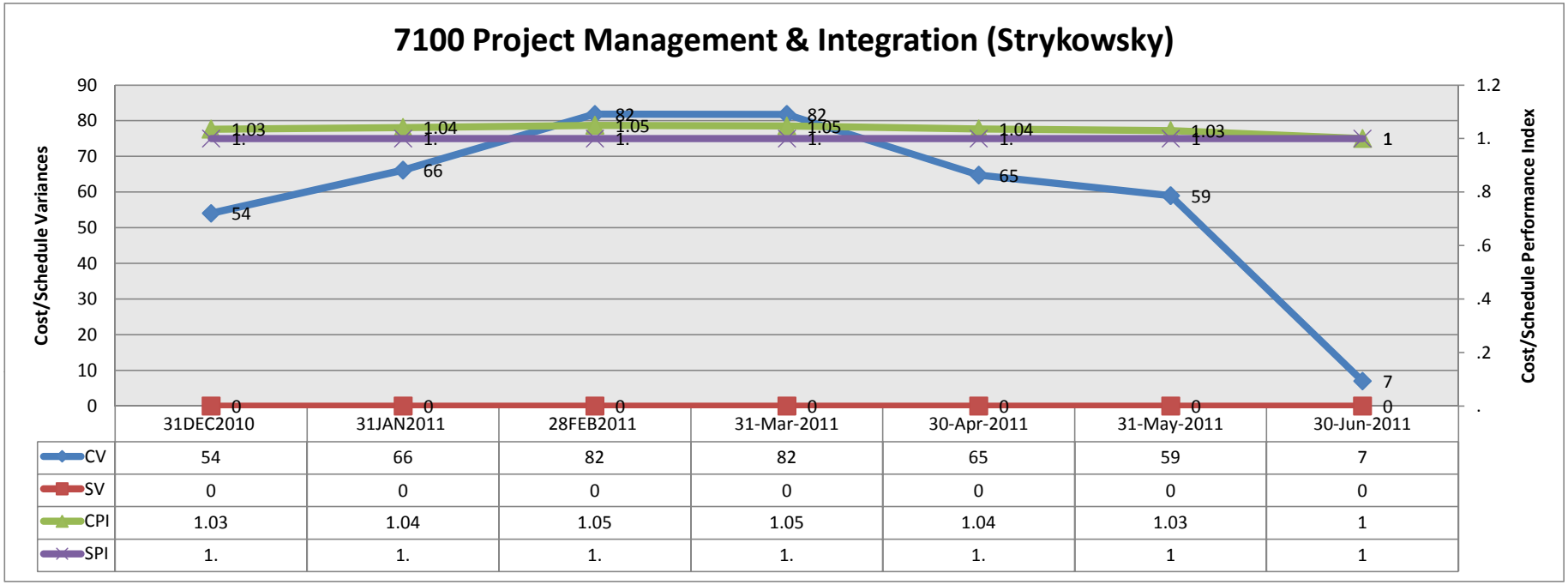
	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	0	66	66	73	77
SV	0	0	0	66	66	73	80
CPI	1.	1.	1.	1.24	1.24	1.26	1.27
SPI	1.	1.	1.	1.24	1.24	1.26	1.29



	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	58	63	66	66	65	61	38
SV	0	0	0	0	0	0	0
CPI	1.23	1.25	1.26	1.25	1.24	1.21	1.12
SPI	1.	1.	1.	1.	1.	1	1

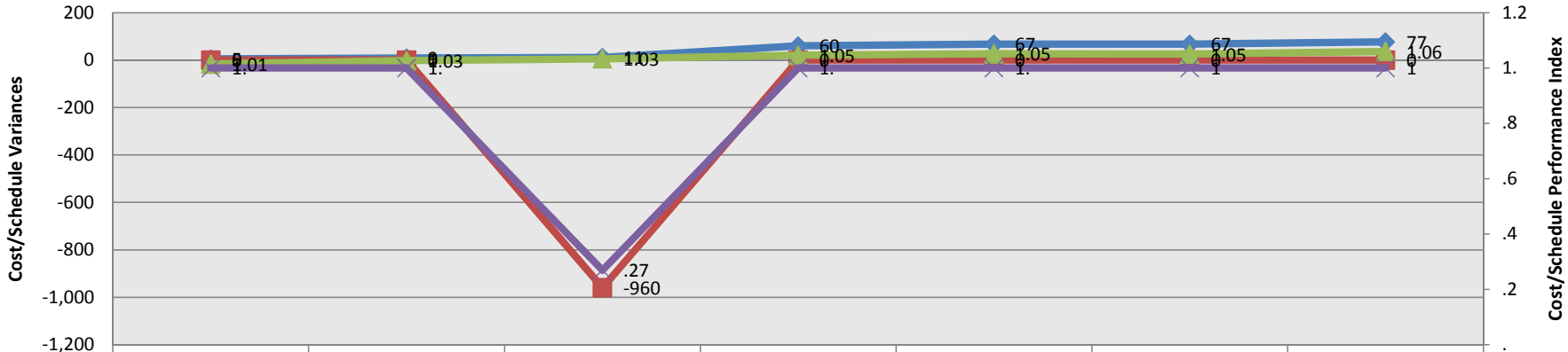


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	85	123	157	197	230	260	294
SV	0	0	0	0	0	0	0
CPI	1.2	1.29	1.37	1.45	1.52	1.57	1.63
SPI	1.	1.	1.	1.	1.	1	1

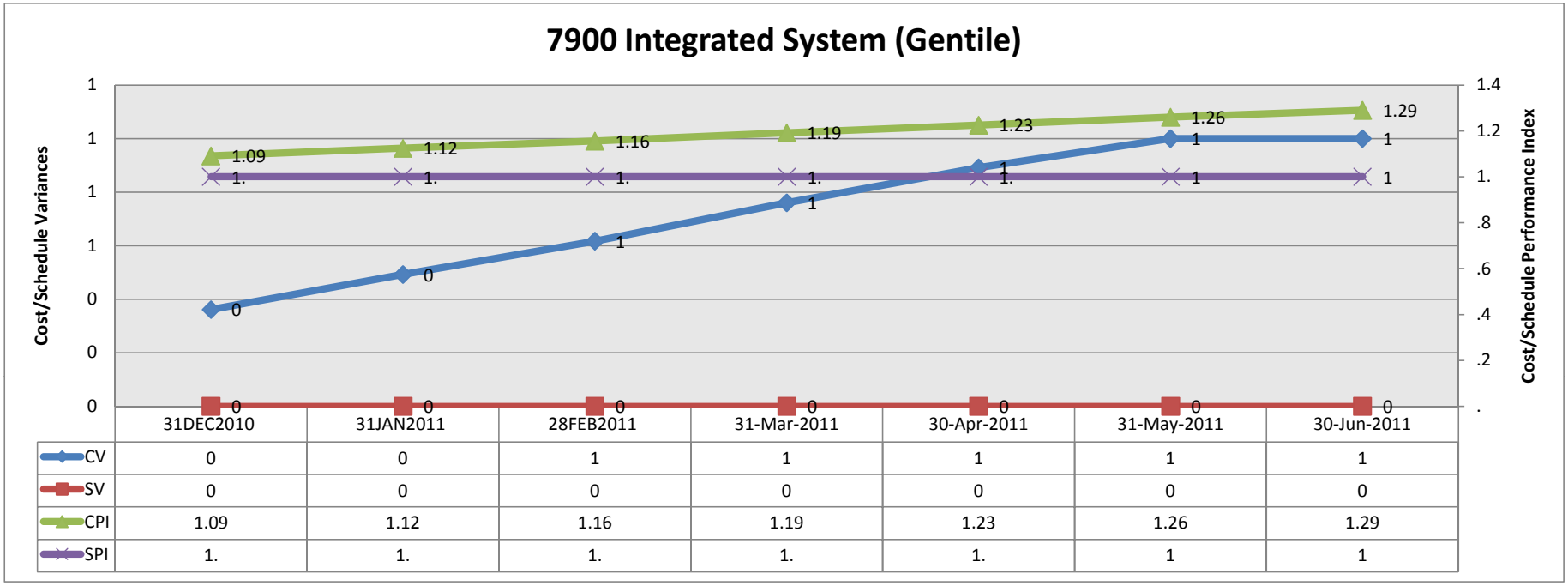


	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	54	66	82	82	65	59	7
SV	0	0	0	0	0	0	0
CPI	1.03	1.04	1.05	1.05	1.04	1.03	1
SPI	1.	1.	1.	1.	1.	1	1

7710 NSTX-U HP and Other Allocations (Strykowsky)



	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	5	9	11	60	67	67	77
SV	0	0	-960	0	0	0	0
CPI	1.01	1.03	1.03	1.05	1.05	1.05	1.06
SPI	1.	1.	.27	1.	1.	1	1



	31DEC2010	31JAN2011	28FEB2011	31-Mar-2011	30-Apr-2011	31-May-2011	30-Jun-2011
CV	0	0	1	1	1	1	1
SV	0	0	0	0	0	0	0
CPI	1.09	1.12	1.16	1.19	1.23	1.26	1.29
SPI	1.	1.	1.	1.	1.	1	1