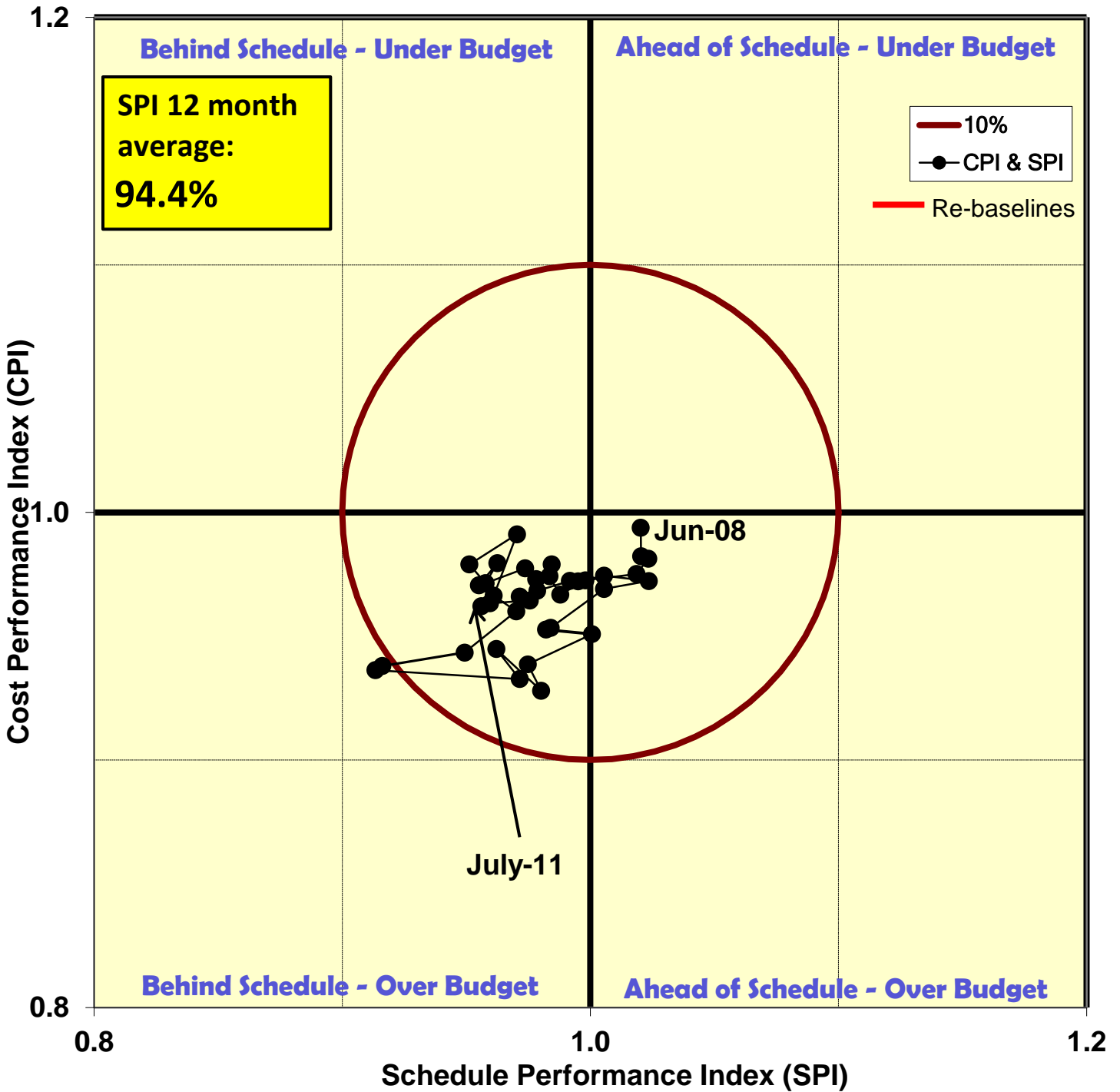


# 12 GeV Upgrade NP Project Total



	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	144,912	5,182
BCWP	138,549	4,469
ACWP	143,997	4,806
Sv	(6,363)	(713)
Cv	(5,447)	(338)
SPI	0.956	0.862
CPI	0.962	0.930

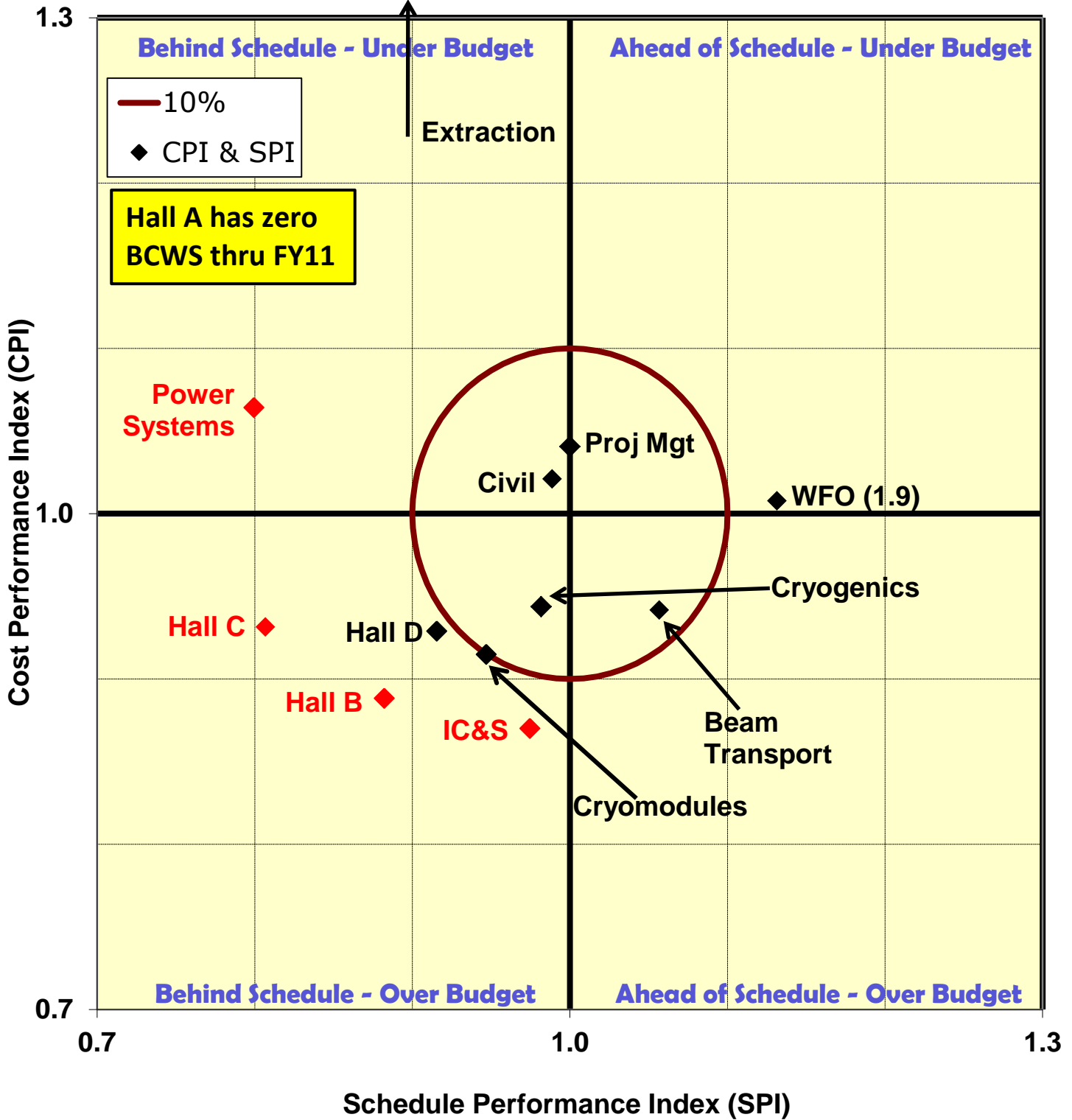
Percent Obligated

**64.5%**

Percent Complete

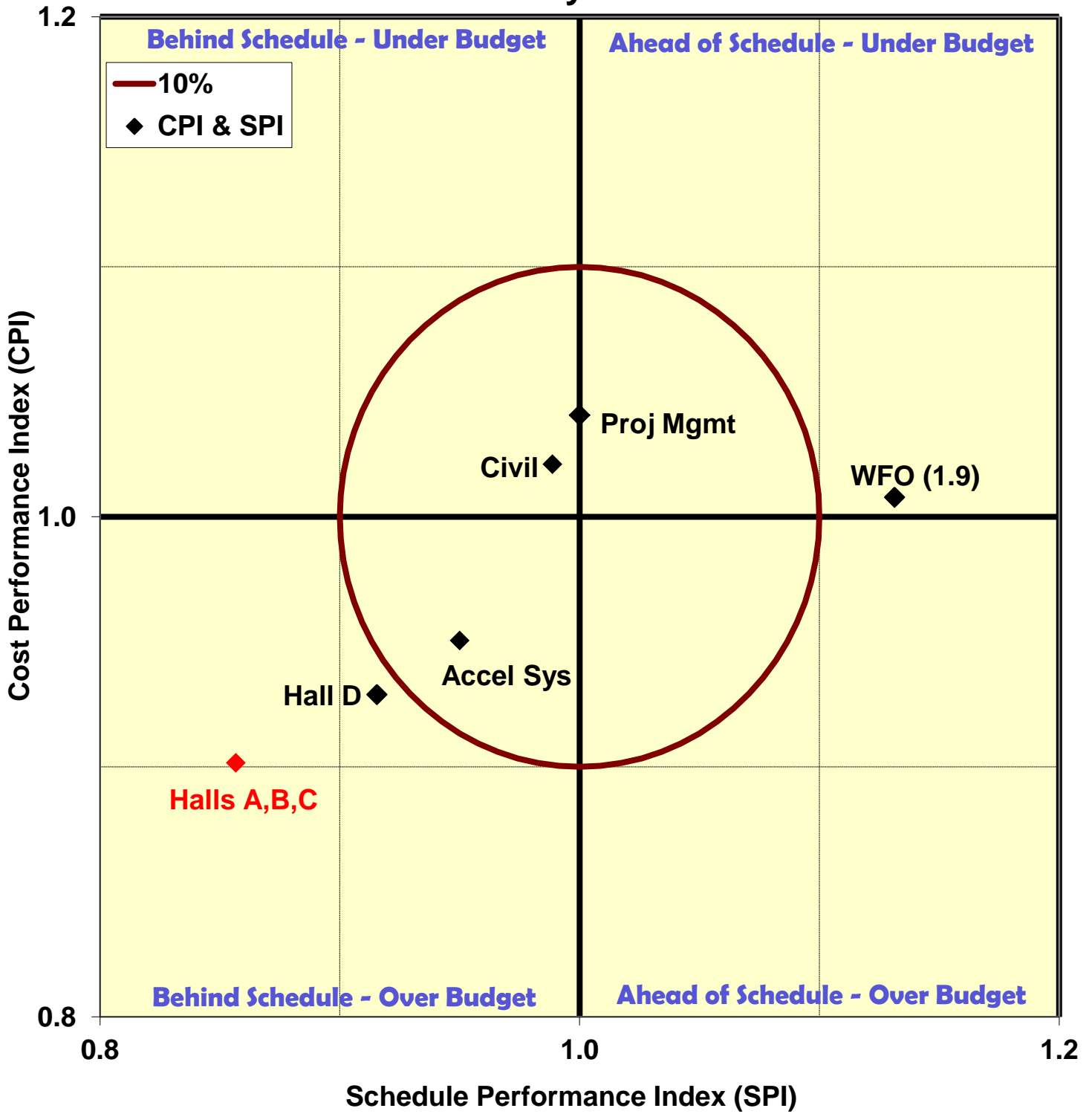
**51.7%**

# 12 GeV Upgrade Construction - July - 2011

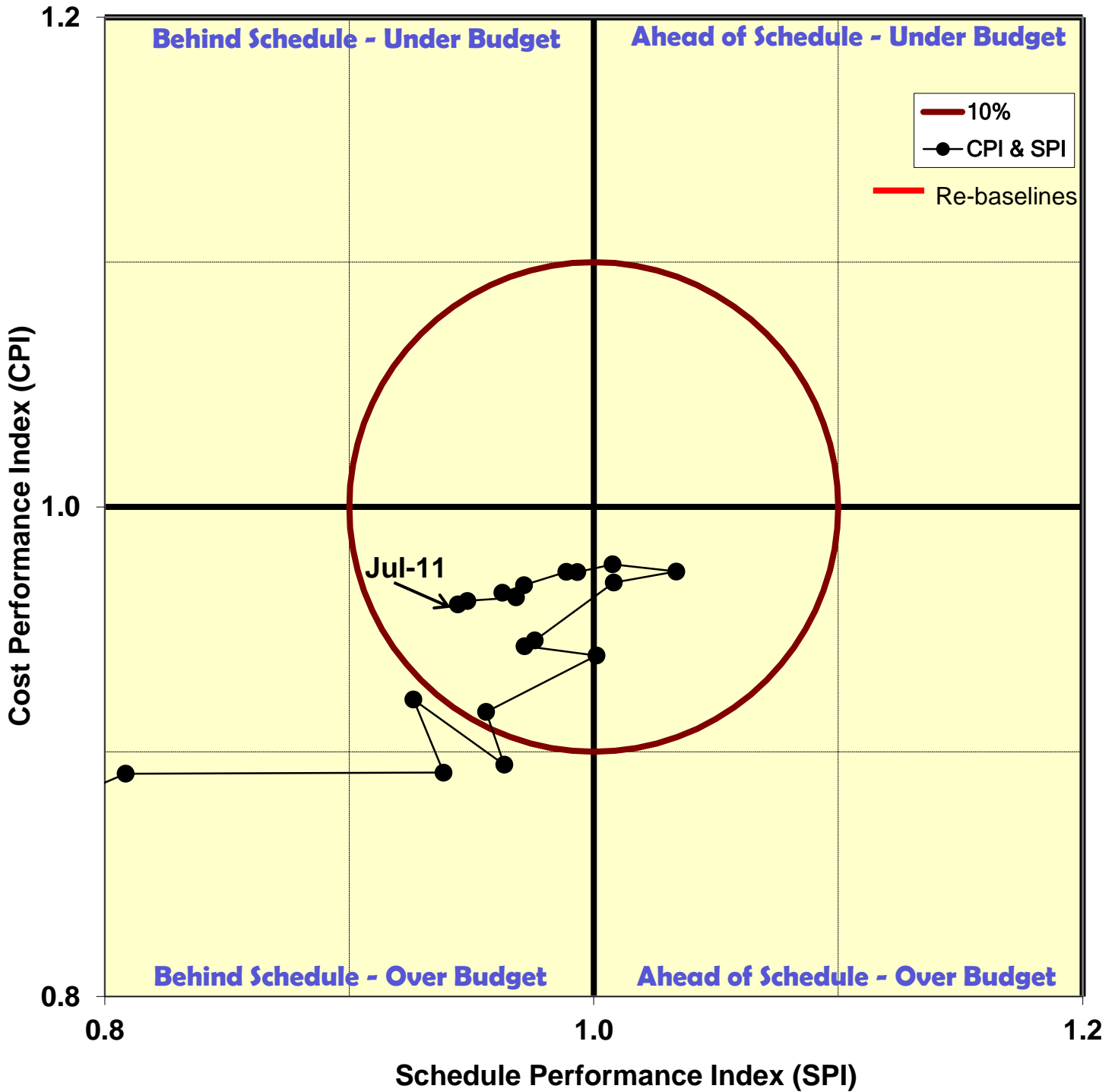


**Problems**

# 12 GeV Upgrade Construction @ Level 2 July 2011



# 12 GeV Upgrade NP Construction

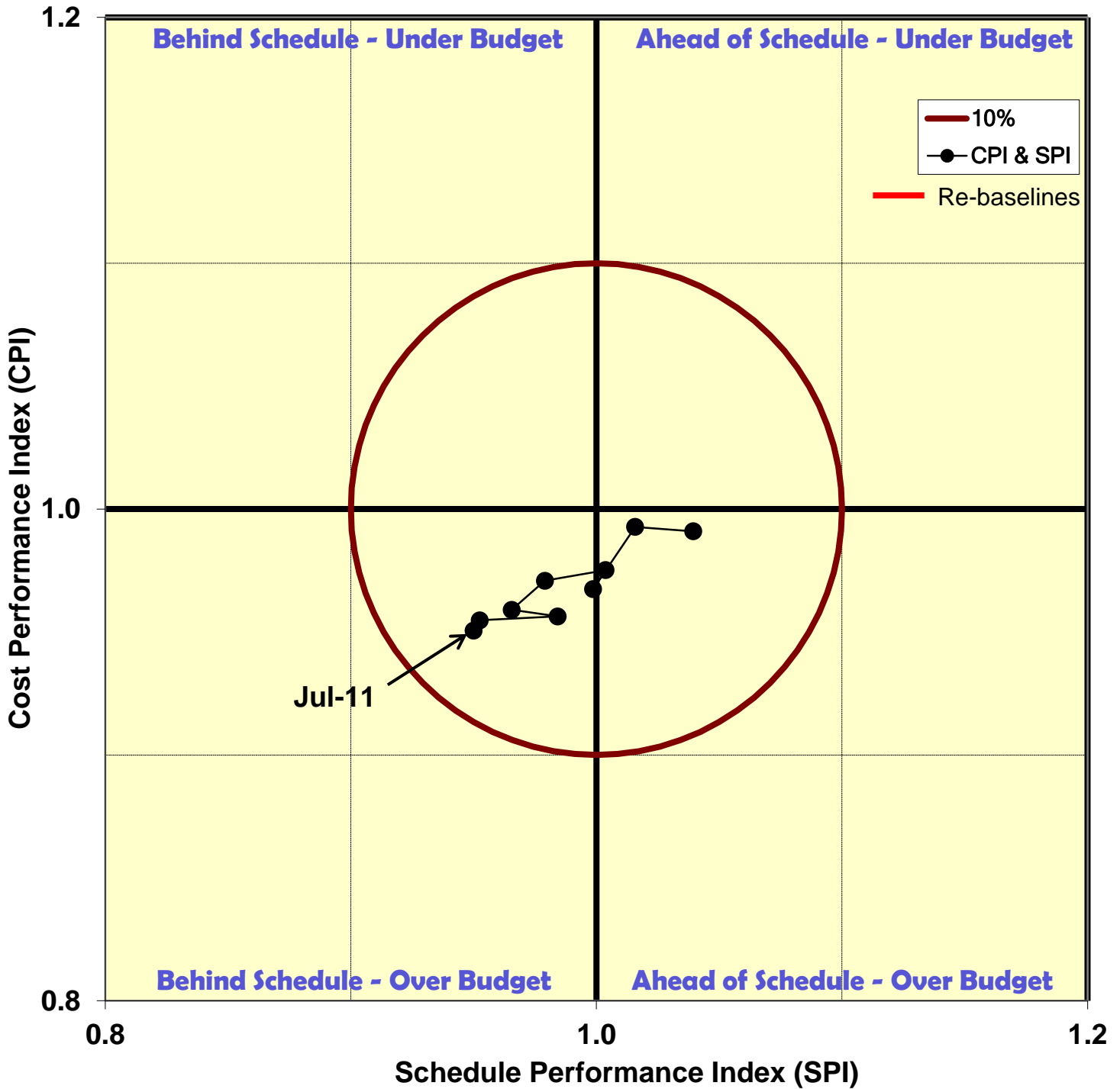


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	114,396	5,182
BCWP	108,034	4,469
ACWP	112,507	4,806
Sv	(6,363)	(713)
Cv	(4,473)	(338)
SPI	0.944	0.862
CPI	0.960	0.930

Percent Complete

**47.3%**

# 12 GeV Upgrade - Construction Accel Systems

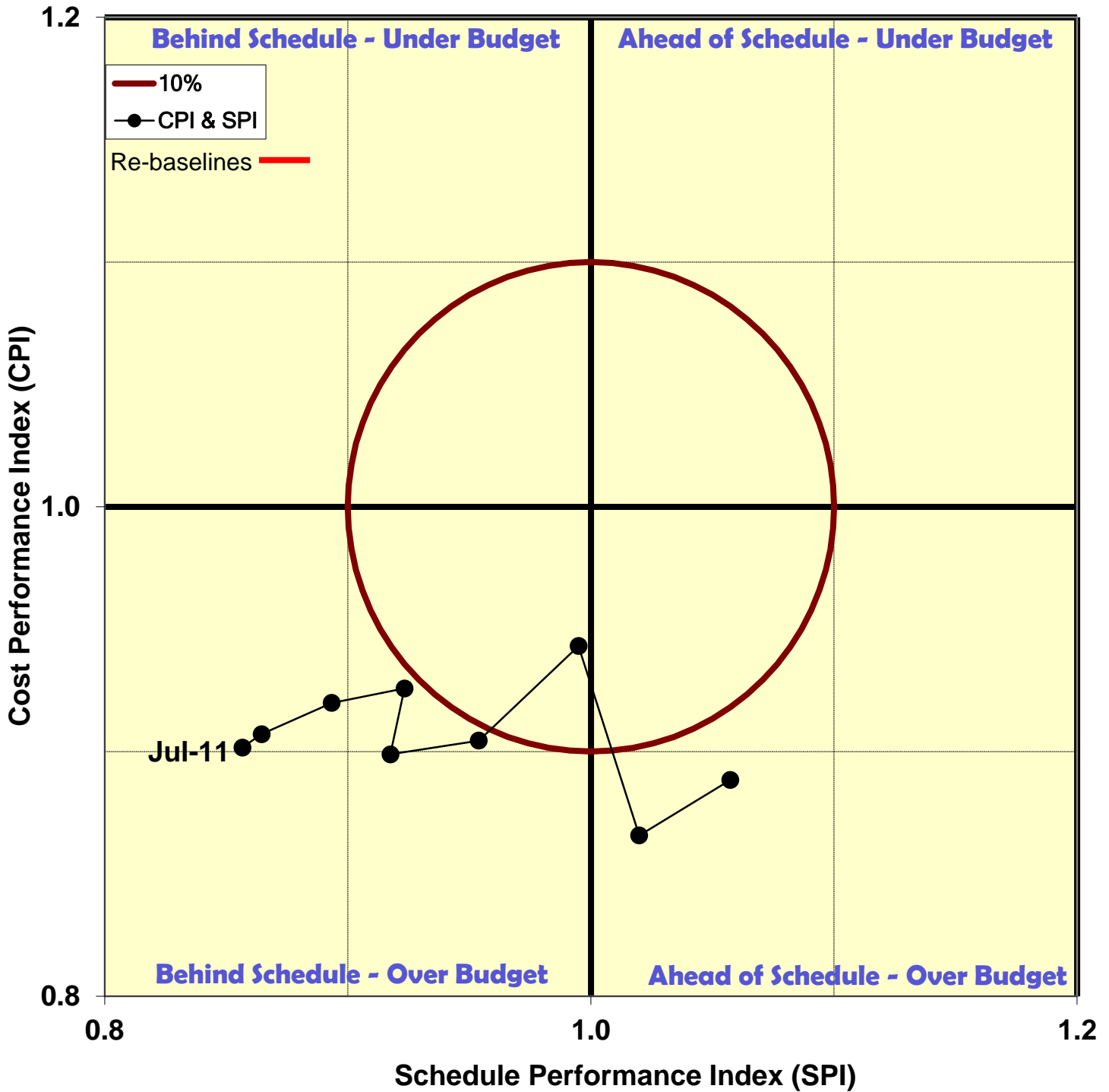


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	59,898	2,016
BCWP	56,902	1,772
ACWP	59,862	2,120
Sv	(2,996)	(244)
Cv	(2,961)	(348)
SPI	0.950	0.666
CPI	0.951	0.666

Percent Complete

**62.7%**

# 12 GeV Upgrade Construction - Upgrade Hall A, B C

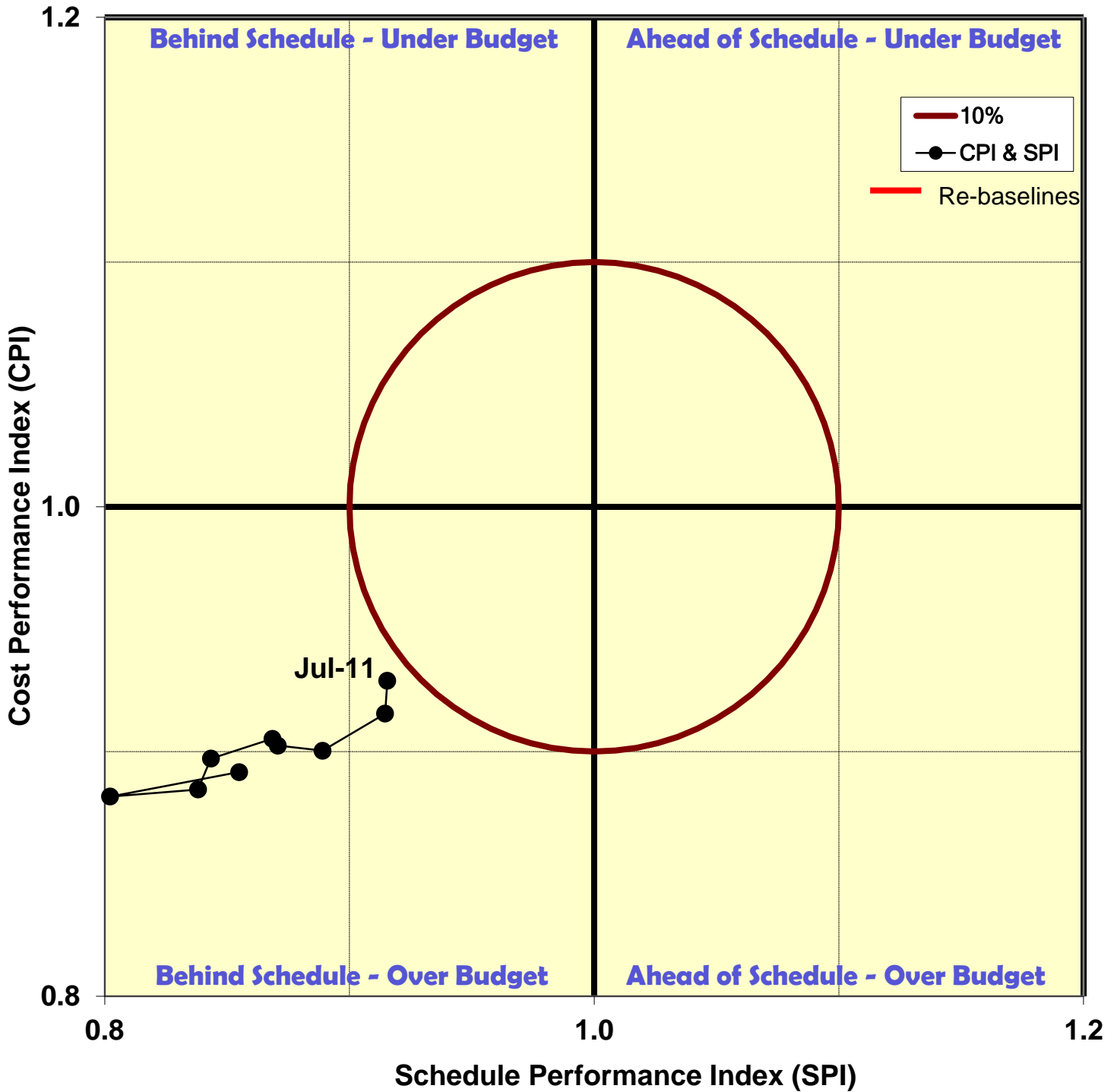


	<u>CUM \$K</u>	<u>Monthly \$K</u>
<b>BCWS</b>	15,230	1,035
<b>BCWP</b>	13,047	774
<b>ACWP</b>	14,471	940
<b>Sv</b>	(2,183)	(261)
<b>Cv</b>	(1,424)	(166)
<b>SPI</b>	0.857	0.748
<b>CPI</b>	0.902	0.823

Percent Complete

**23.1%**

# 12 GeV Upgrade Construction - Hall D

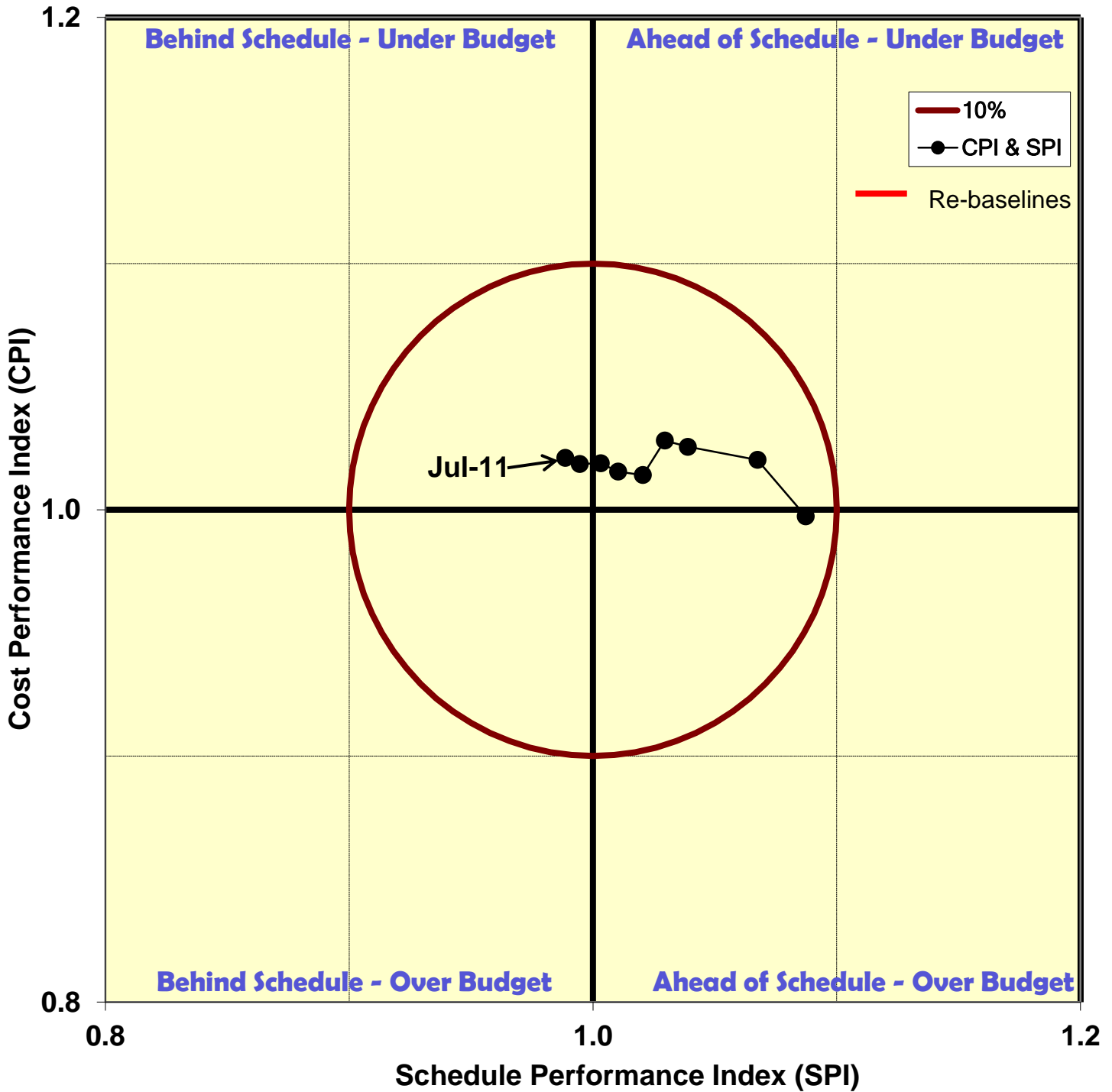


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	10,832	881
BCWP	9,916	815
ACWP	10,675	734
Sv	(916)	(65)
Cv	(759)	81
SPI	0.915	0.926
CPI	0.929	1.111

Percent Complete

**23.6%**

# 12 GeV Upgrade Construction - Civil



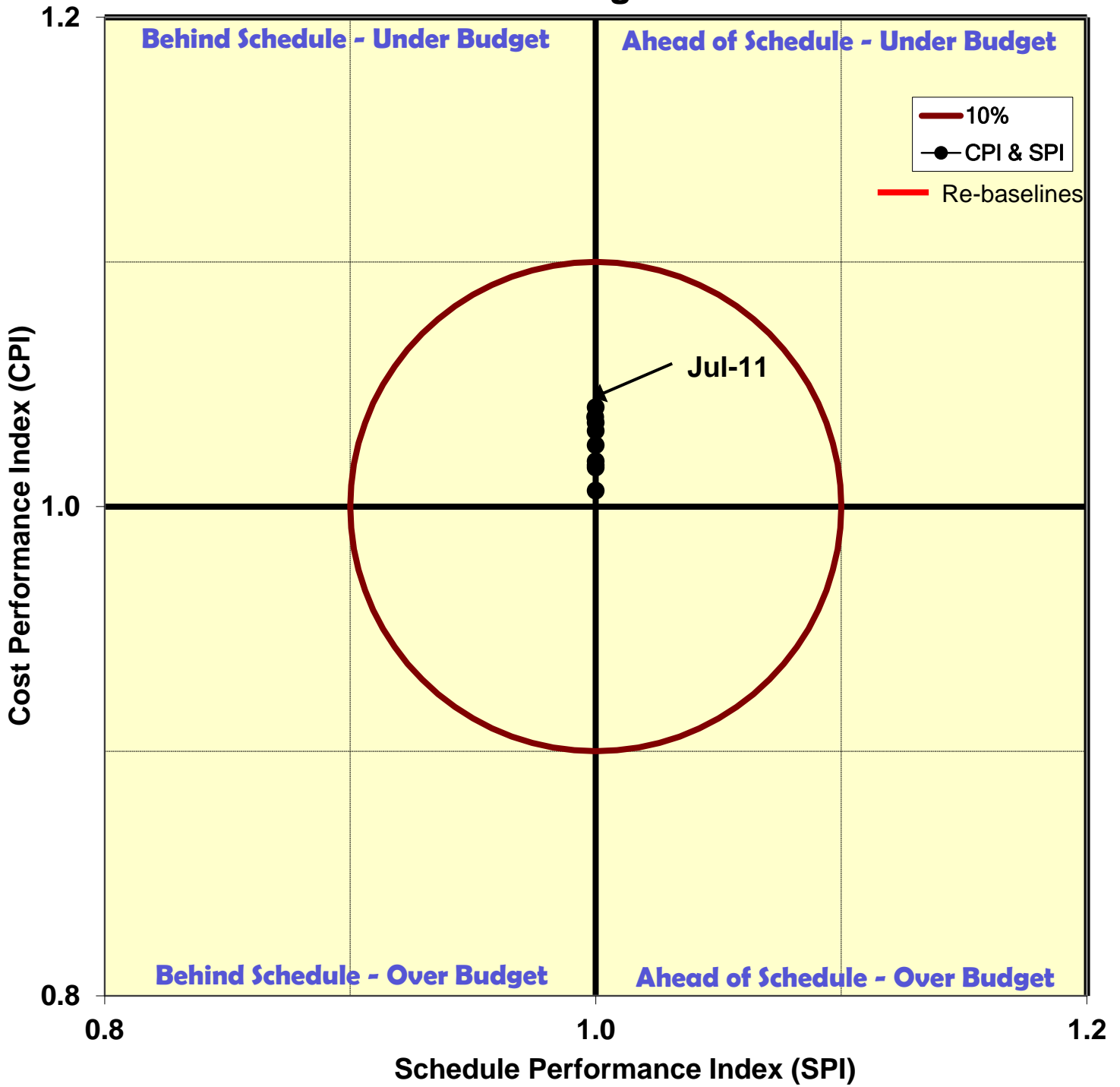
	CUM \$K	Monthly \$K
BCWS	23,612	1,070
BCWP	23,344	925
ACWP	22,863	854
Sv	(268)	(144)
Cv	481	71
SPI	0.989	0.865
CPI	1.021	1.084

Percent Complete

**80.5%**



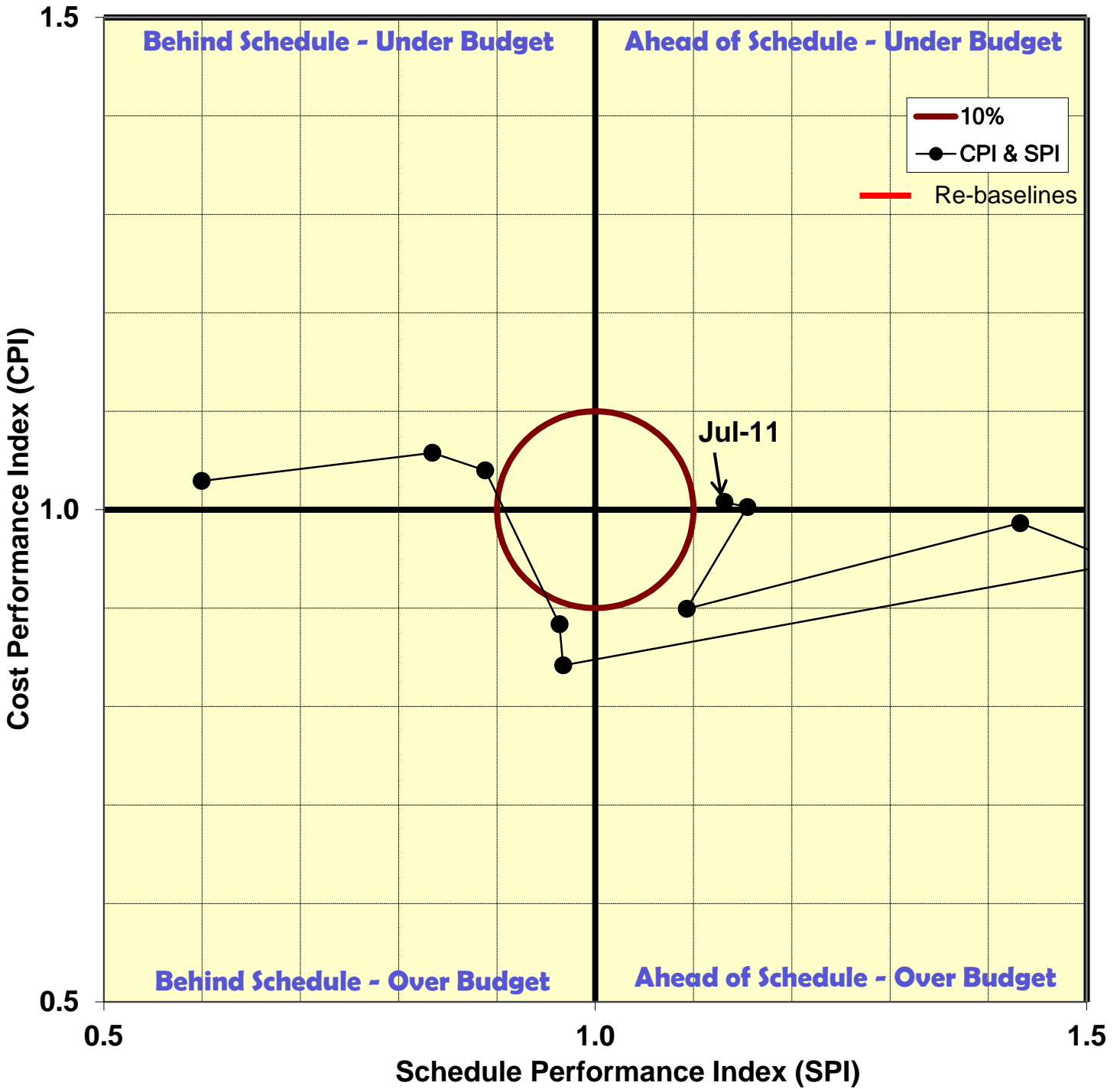
# 12 GeV Upgrade Construction - Project Management



	<u>CUM \$K</u>	<u>Monthly \$K</u>
<b>BCWS</b>	4,825	181
<b>BCWP</b>	4,825	182
<b>ACWP</b>	4,636	158
<b>Sv</b>	0	1
<b>Cv</b>	188	24
<b>SPI</b>	1.000	1.007
<b>CPI</b>	1.041	1.152

Percent Complete  
**48.6%**

# 12 GeV Upgrade Construction - WFO Funding (1.9)

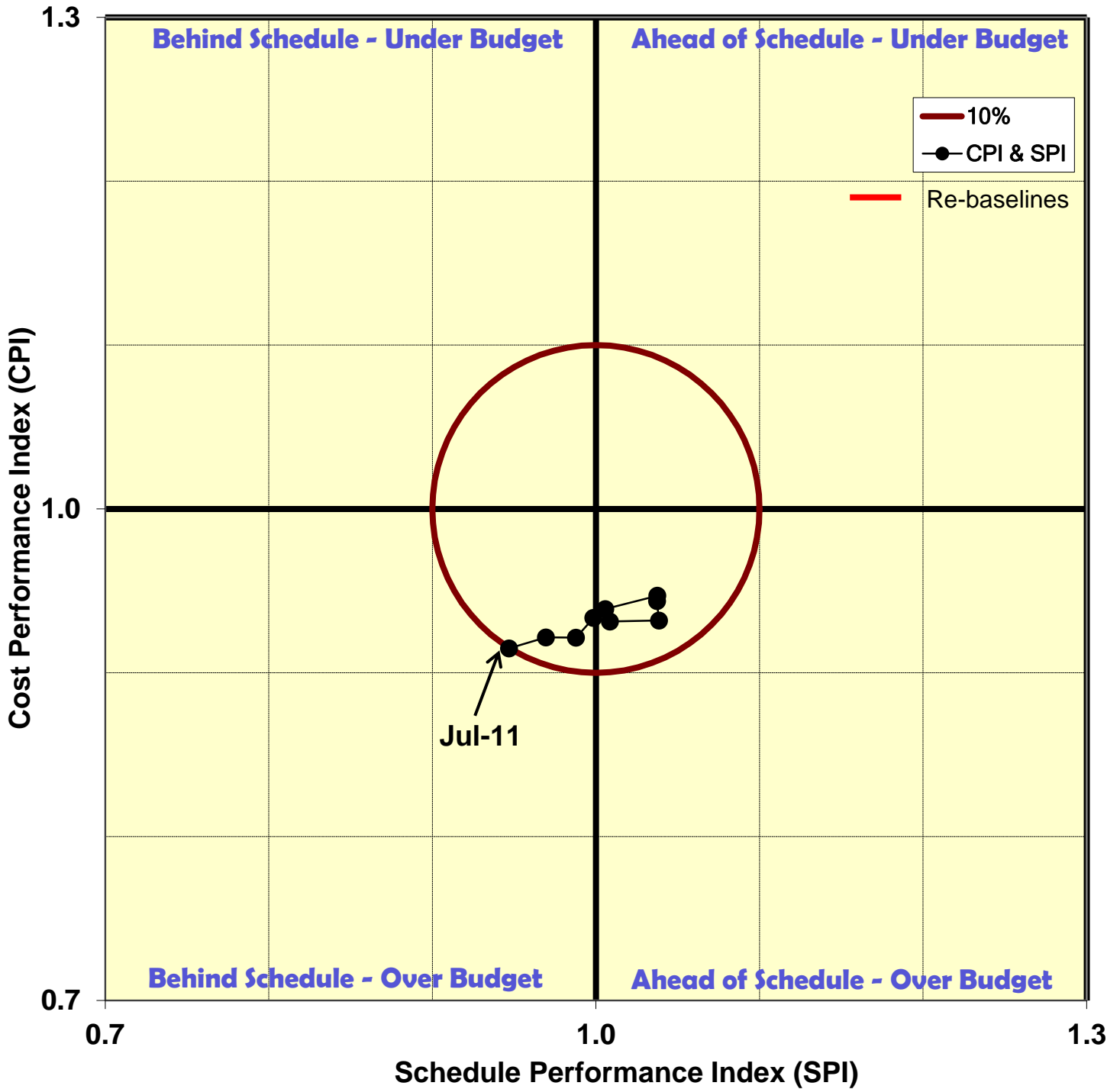


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	5,225	586
BCWP	5,911	554
ACWP	5,865	523
Sv	686	(32)
Cv	46	32
SPI	1.131	0.945
CPI	1.008	1.060

Percent Complete

**67.6%**

# 12 GeV Upgrade Construction - Cryomodules

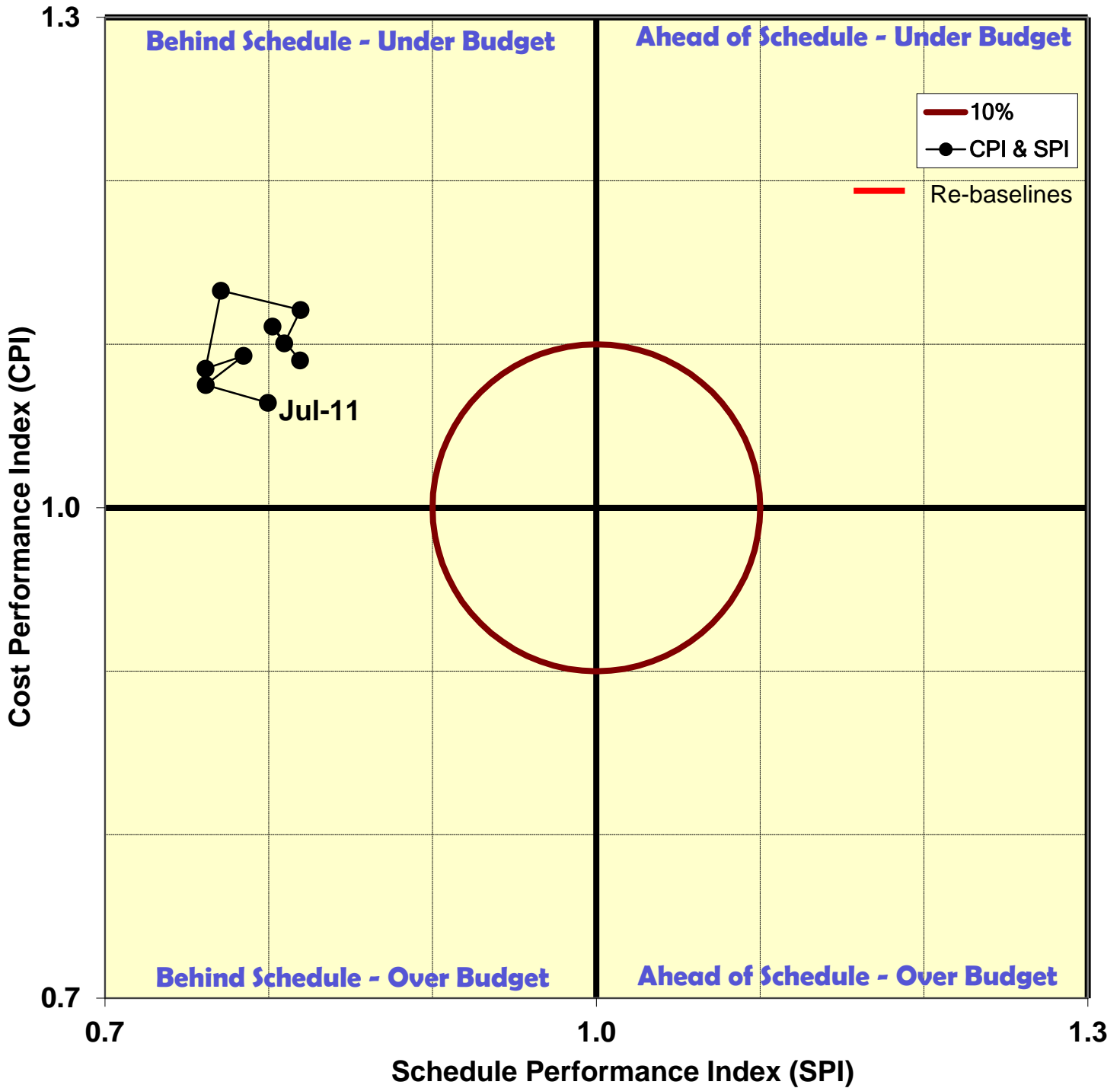


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	20,309	853
BCWP	19,230	369
ACWP	21,020	554
Sv	(1,079)	(484)
Cv	(1,789)	(185)
SPI	0.947	0.432
CPI	0.915	0.666

Percent Complete

**81.1%**

# 12 GeV Upgrade Construction - Power Systems

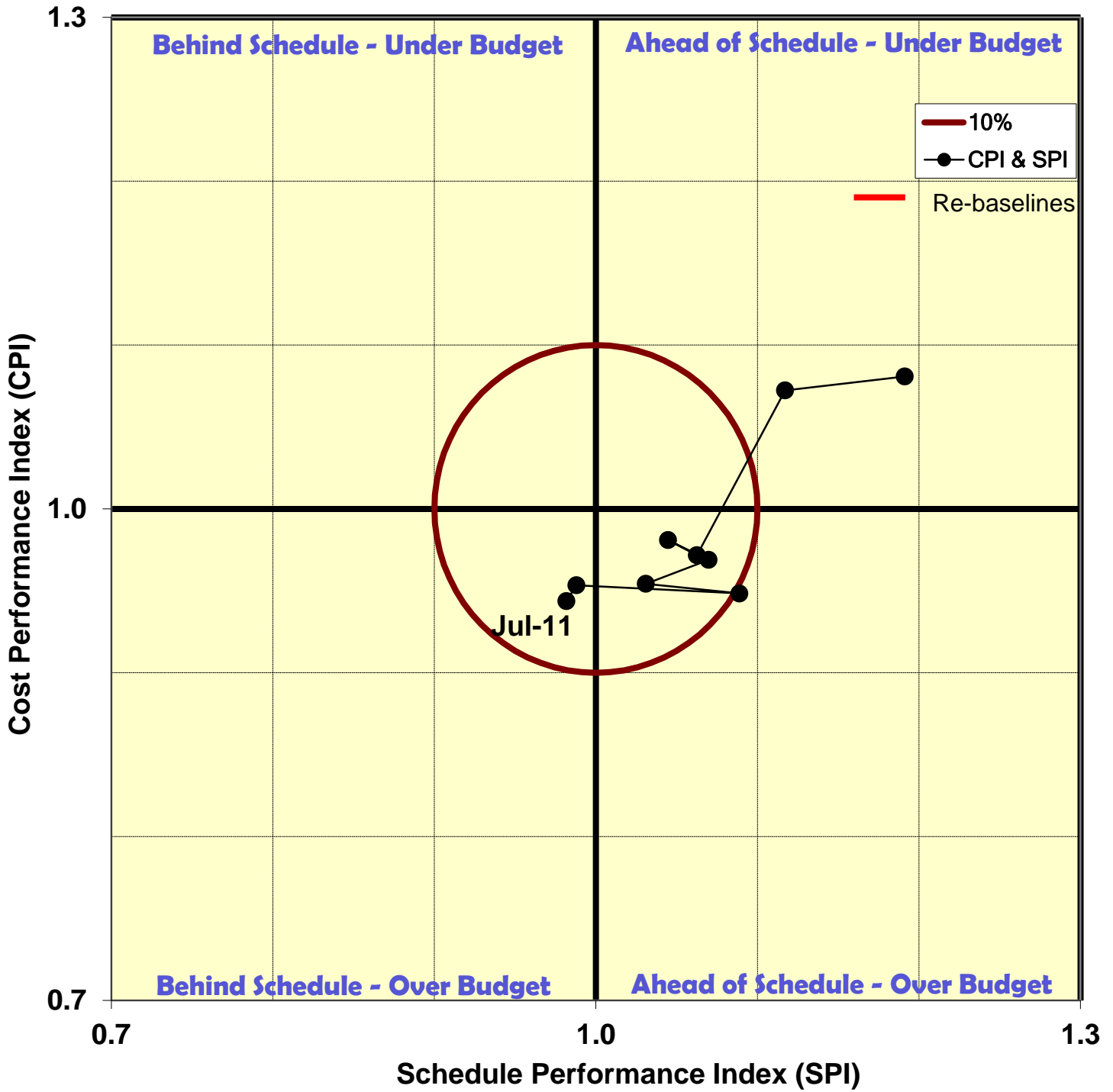


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	11,001	371
BCWP	8,795	700
ACWP	8,264	735
Sv	(2,206)	329
Cv	531	(35)
SPI	0.799	1.886
CPI	1.064	0.952

Percent Complete

**47.2%**

# 12 GeV Upgrade Construction - Cryogenics

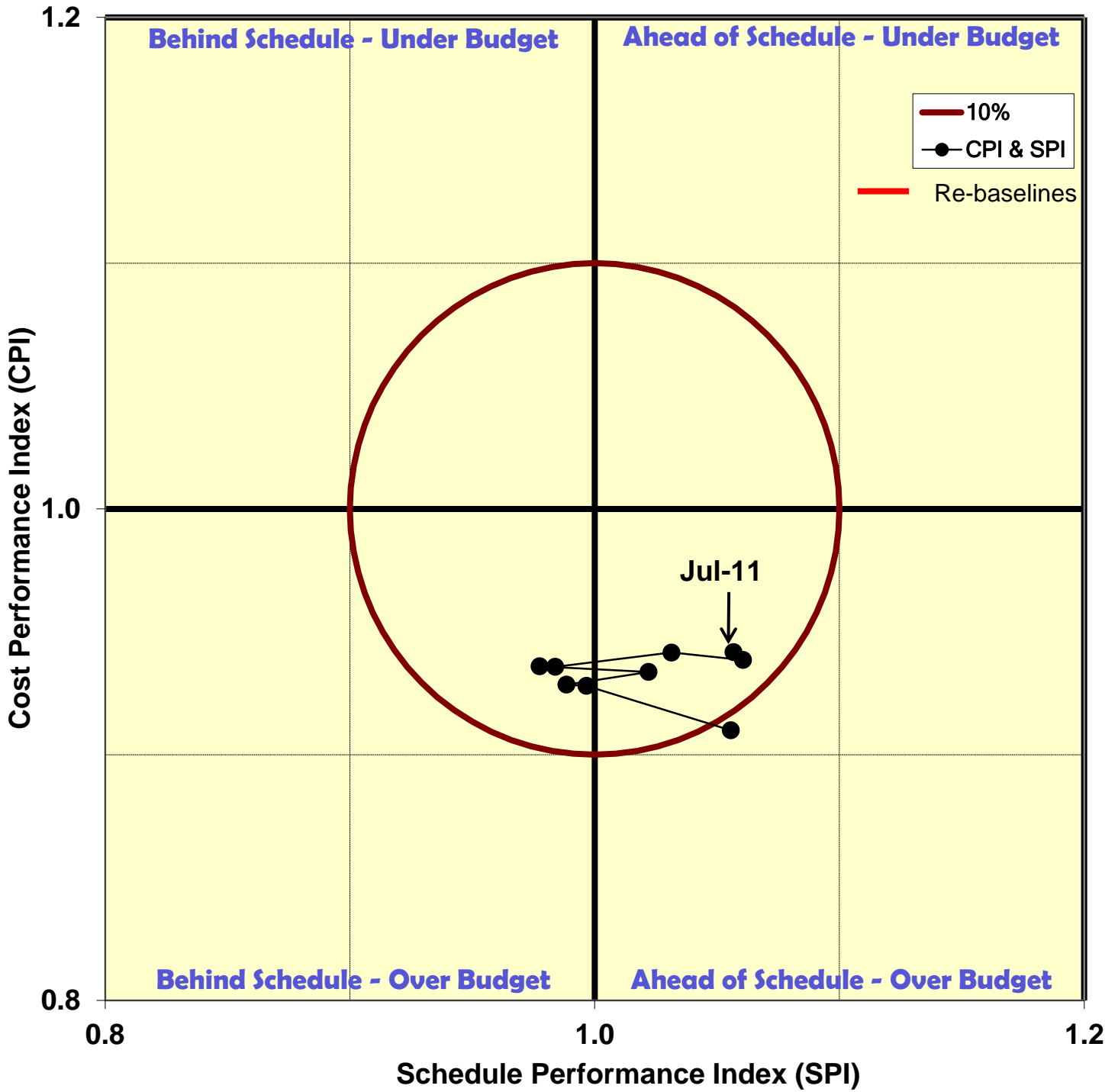


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	16,069	284
BCWP	15,776	182
ACWP	16,716	361
Sv	(293)	(102)
Cv	(940)	(179)
SPI	0.982	0.641
CPI	0.944	0.504

Percent Complete

**70.4%**

# 12 GeV Upgrade Construction - Beam Transport

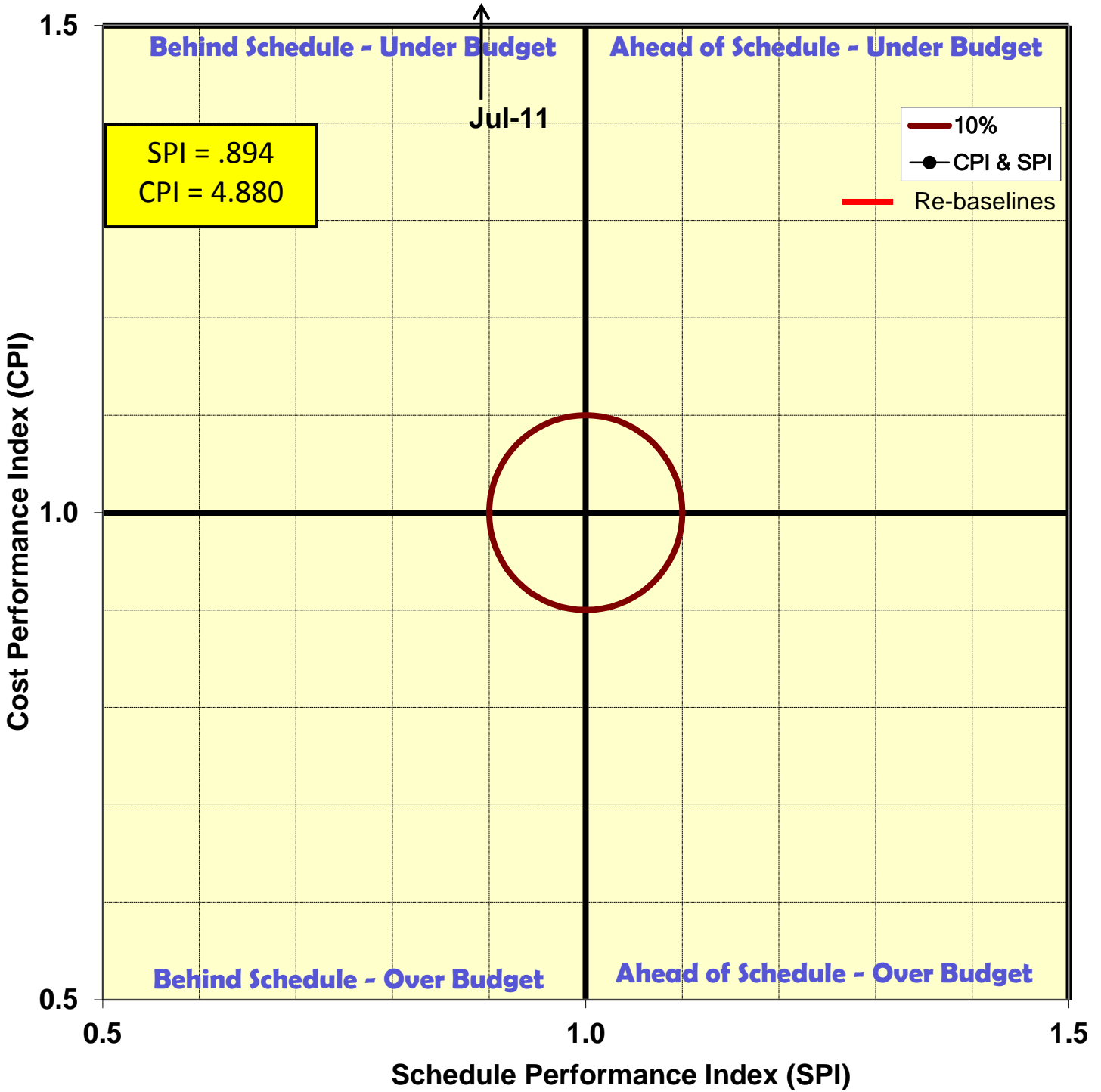


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	11,162	468
BCWP	11,794	453
ACWP	12,524	441
Sv	633	(15)
Cv	(730)	13
SPI	1.057	1.597
CPI	0.942	1.029

Percent Complete

**61.7%**

# 12 GeV Upgrade Construction - Extraction

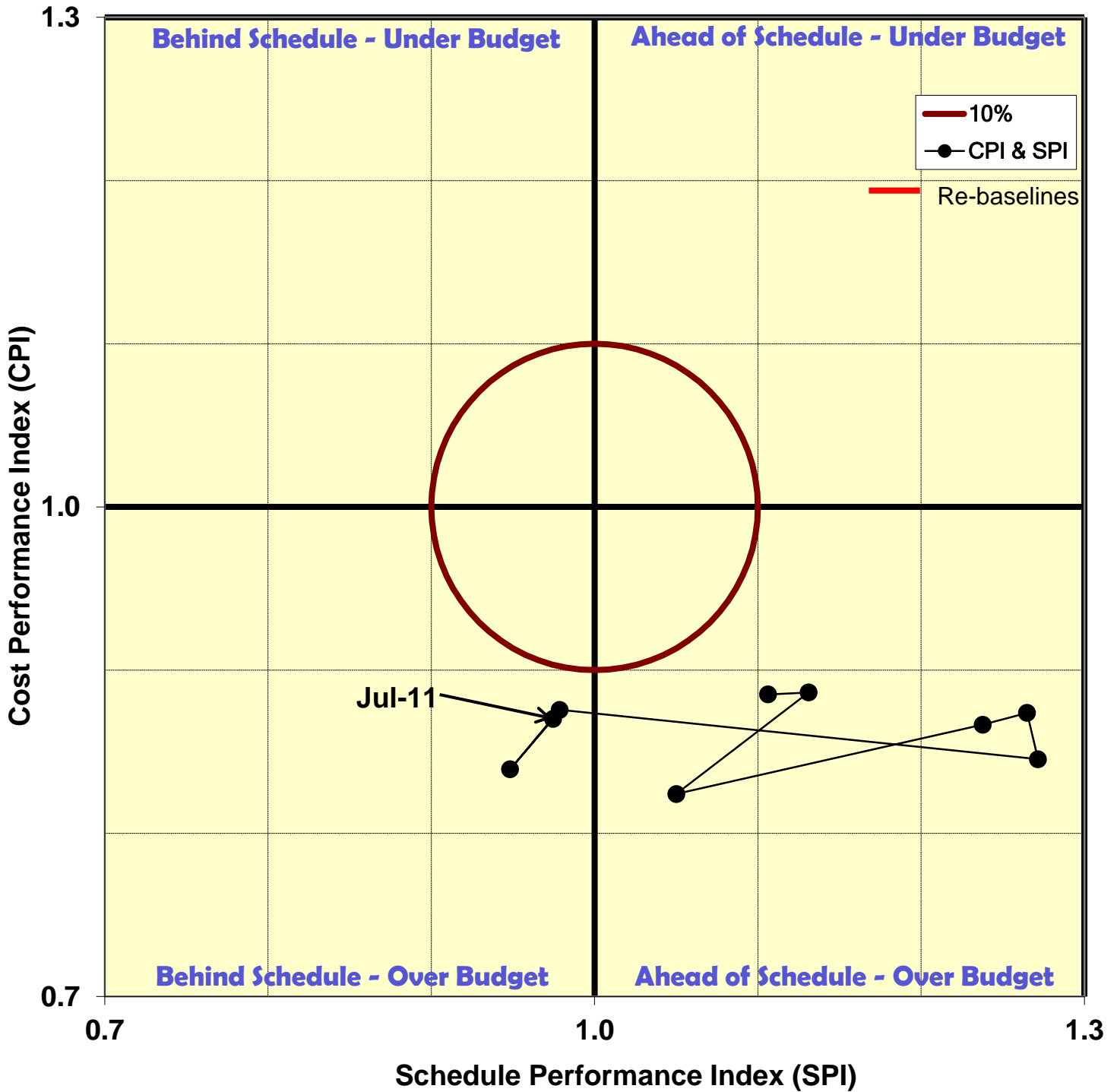


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	196	3
BCWP	175	3
ACWP	38	0
Sv	(20)	0
Cv	137	3
SPI	0.896	1.001
CPI	4.957	0.000

Percent Complete

**29.6%**

# 12 GeV Upgrade Construction - IC&S



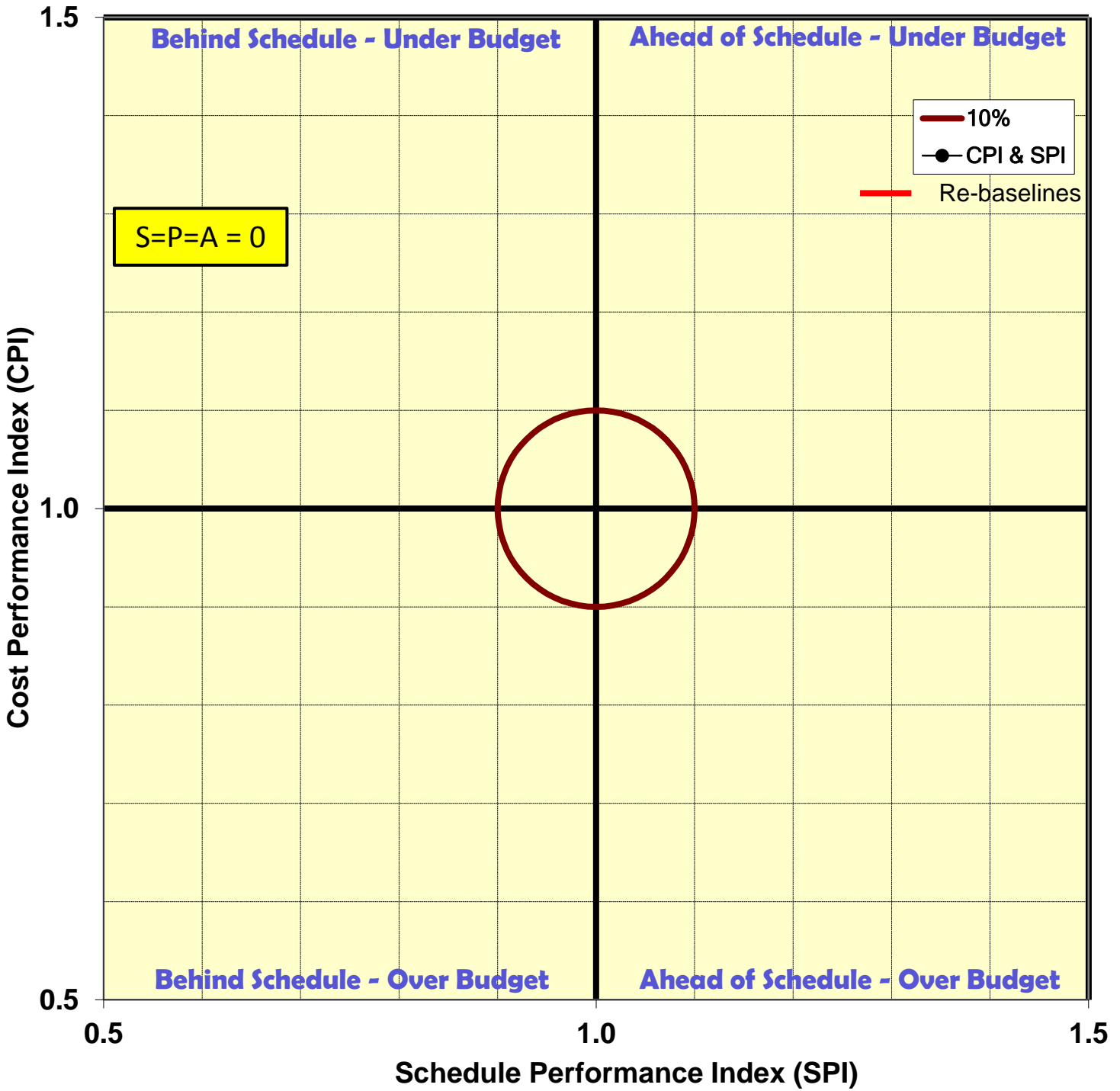
	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	1,161	37
BCWP	1,132	66
ACWP	1,300	30
Sv	(30)	29
Cv	(169)	35
SPI	0.975	1.781
CPI	0.870	2.160

Percent Complete

**17.7%**



# 12 GeV Upgrade Construction - Hall A

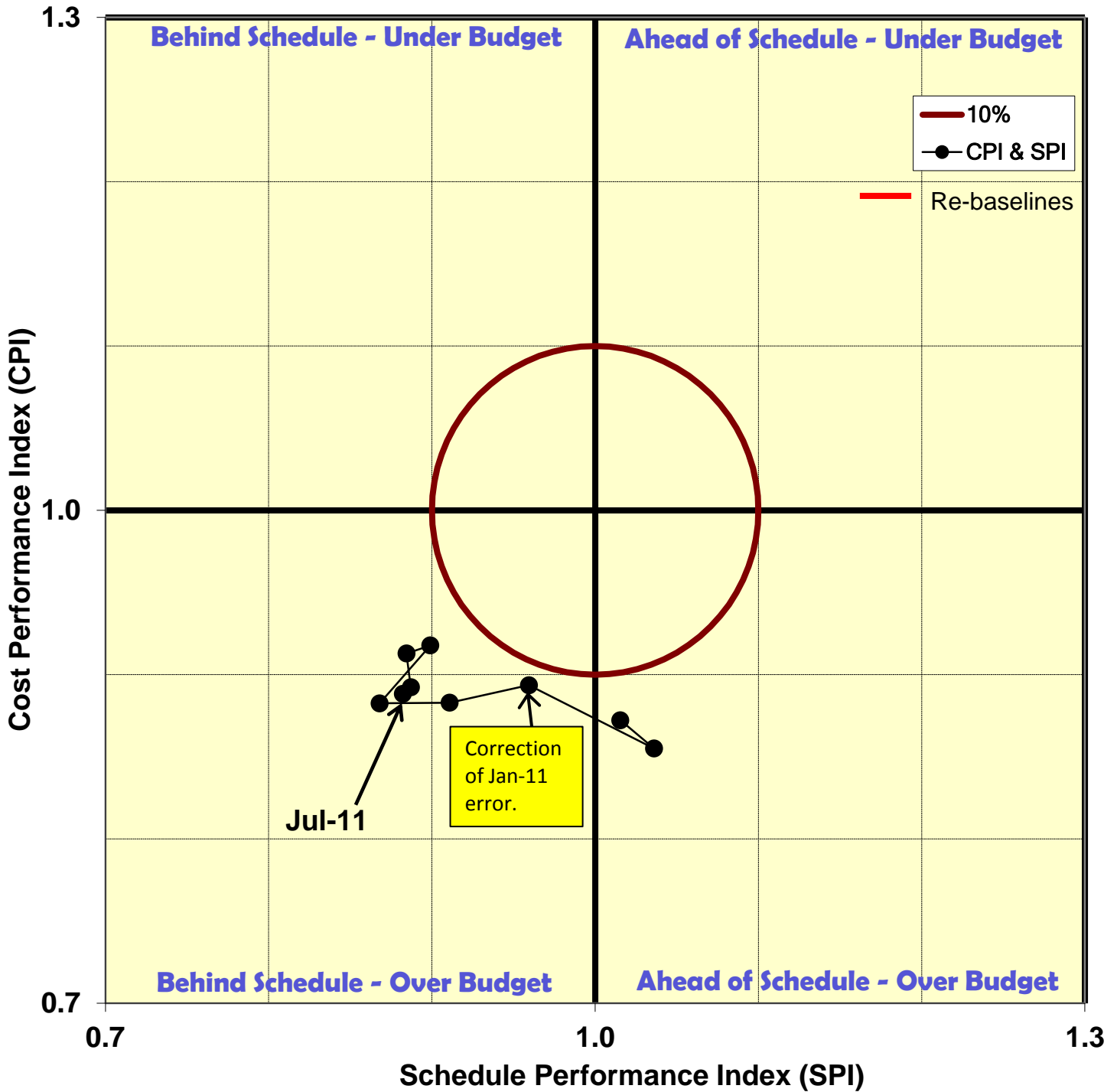


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	0	0
BCWP	0	0
ACWP	0	0
Sv	0	0
Cv	0	0
SPI	0.000	0.000
CPI	0.000	0.000

Percent Complete

**0.0%**

# 12 GeV Upgrade Construction - Hall B

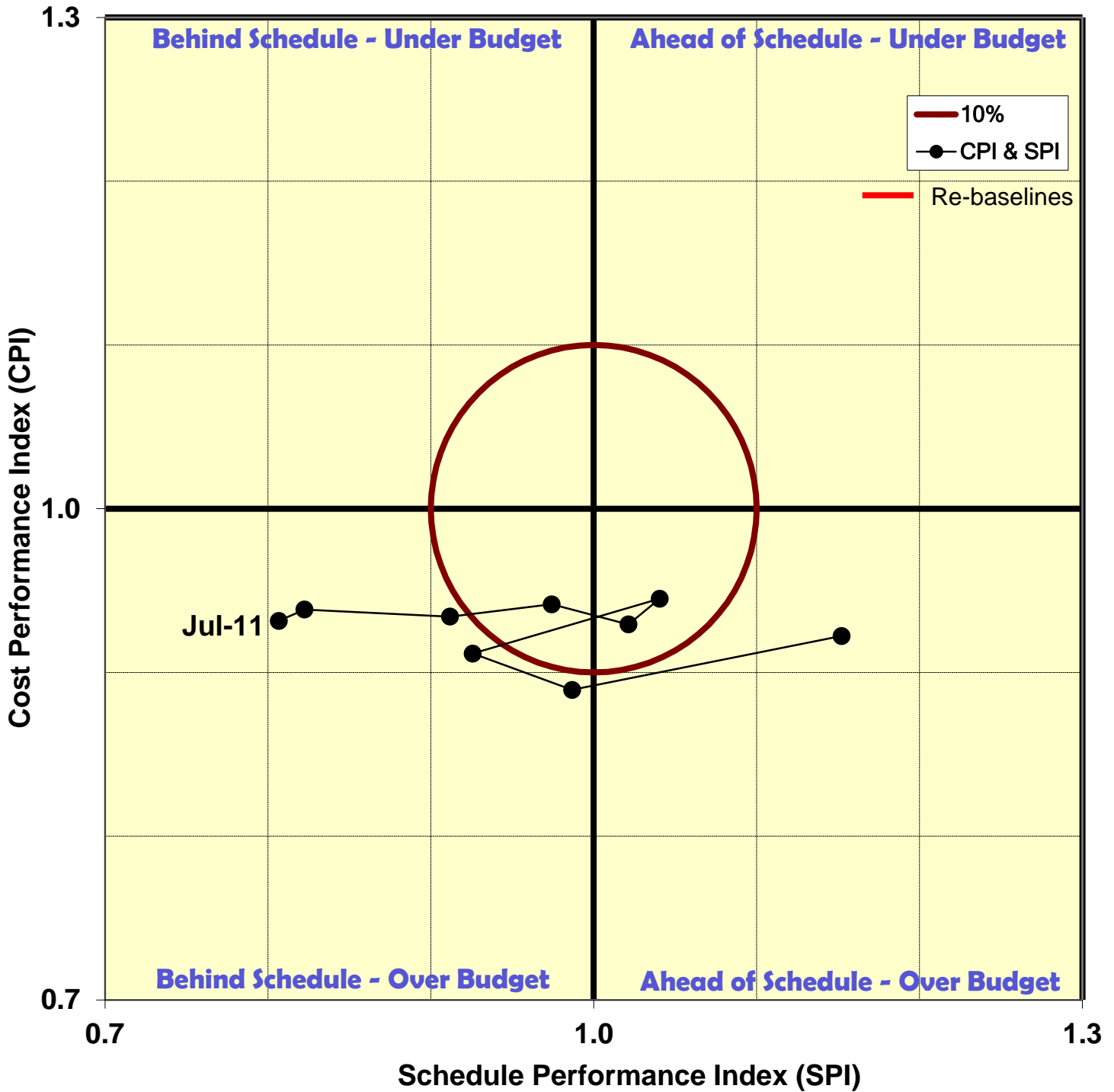


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	10,078	830
BCWP	8,890	686
ACWP	10,008	814
Sv	(1,187)	(143)
Cv	(1,118)	(128)
SPI	0.882	0.827
CPI	0.888	0.843

Percent Complete

**27.9%**

# 12 GeV Upgrade Construction - Hall C

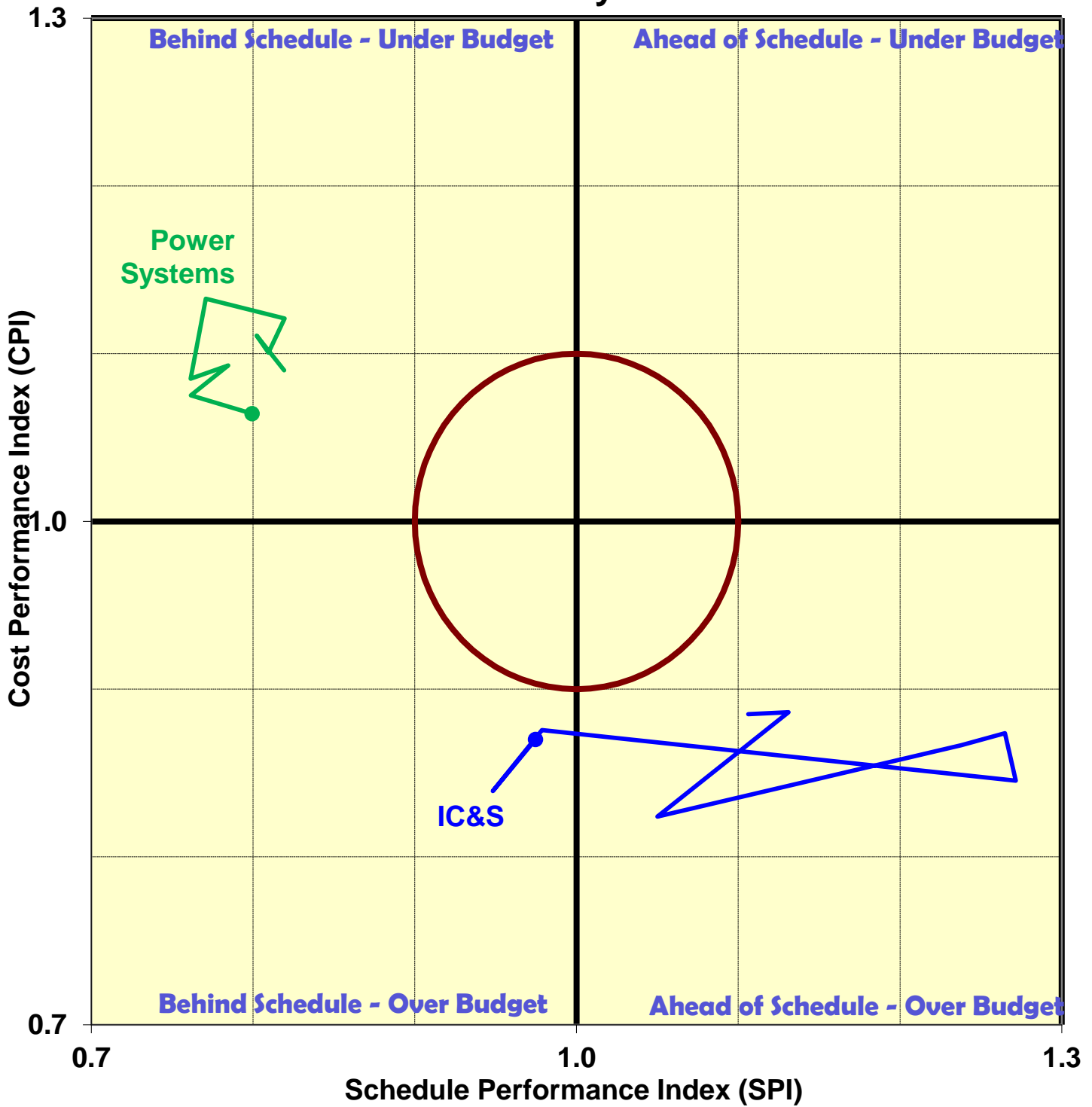


	<u>CUM \$K</u>	<u>Monthly \$K</u>
BCWS	5,153	205
BCWP	4,157	87
ACWP	4,463	126
Sv	(996)	(117)
Cv	(306)	(39)
SPI	0.807	0.427
CPI	0.931	0.694

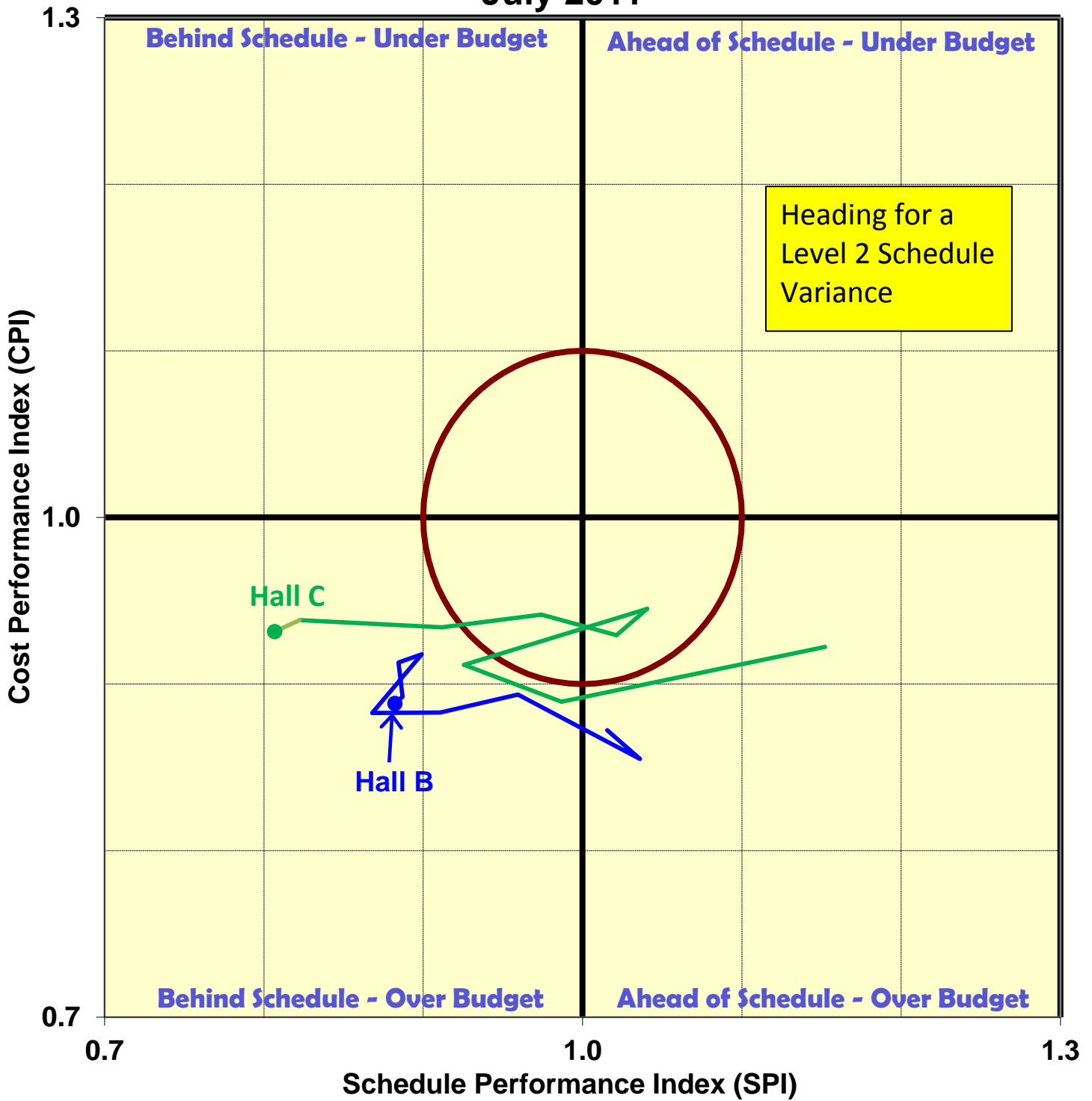
Percent Complete

**17.2%**

# 12 GeV Upgrade - Problems - Accelerator Systems July 2011



# 12 GeV Upgrade - Problems - Physics July 2011



# 12 GeV Upgrade Project Total

