

Table 2.9-2 Detail of "Table 1.5-12 High Section 123 Plan Capacity Position"

PSCo Loads & Resources Balance Summer 2008-2015								
	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Existing PSCo Capacity								
Installed Net Dependable Capacity	3838	3838	3838	3838	3838	3838	3838	3838
PSCo Share of Comanche 3			500	500	500	500	500	500
Retire Zuni 1&2			-39	-39	-39	-107	-107	-107
Retire Cameo 1&2				-73	-73	-73	-73	-73
Retire Arapahoe 3 & 4						-156	-156	-156
Firm Purchased Capacity								
Basin Electric Power Cooperative No 1	100	100	100	100	100	100	100	100
Basin Electric Power Cooperative No 2	75	75	75	75	75	75	75	75
Tr-State G&T No 2	100	100	100	100	100	100	100	100
Tr-State G&T No 3	25	25	25	25	25	25	25	25
Tr-State G&T No 5	100	100	100	100	0			
PacifiCorp (w/ reserves)	166	157	171	161	150	150	150	176
Wheeling Losses	(10)	(10)	(10)	(10)	(8)	(8)	(8)	(8)
Subtotal	556	547	561	551	442	442	442	468
ManChief Power Company	261	261	261	261	0	0	0	0
Black Hills Valmont 7 & 8	79	79	79	79	79	0	0	0
Black Hills Arapahoe 5, 6, 7	122	122	122	122	122	0	0	0
Fountain Valley Midway	238	238	238	238	238	0	0	0
Brush 4D	135	135	135	135	0	0	0	0
Tr-State Limon	63	0	0	0	0	63	63	63
Tr-State Brighton	132	132	0	0	0	132	132	132
Blue Spruce	271	271	271	271	271	0	0	0
Front Range Power	133	103	0	0	0	0	0	0
Cogentrix Plains End	113	113	113	113	0	0	0	0
Thermo Fort Lupton	279	123	123	123	129	129	129	129
Calpine Rocky Mountain Energy Center	567	567	567	567	567	567	90	90
Colorado Green Wind	20	20	20	20	20	20	20	20
enXco Ridge Crest Wind	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75
Inverness Spring Canyon Wind	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Brush Cogen Partners (Brush 2)	68	68	0	0	0	0	0	0
Thermo Greeley (Morifort)	32	32	32	0	0	0	0	0
Thermo Power (UNC)	69	69	69	69	69	69	0	0
Small QFs	34	34	33	31	31	31	29	29
Subtotal	2,648	2,405	2,101	2,066	1,557	1,042	475	474
2005 All-Source RFP								
FPL Wind	50	50	50	50	50	50	50	50
Cedar Creek Wind	38	39	39	38	38	38	38	35
Twin Buttes Wind	9	9	9	9	9	9	9	9
Brush 1&3	76	76	76	76	76	76	76	76
Inverness Spindle CT	269	269	269	269	269	269	269	269
Cogentrix Plains End Expansion	115	115	115	115	228	228	228	228
F5V CT (Squirrel Creek contingency)		261	261	261	261	261	261	261
Manchief Extension					261	261	261	261
Brush 4D					135	135	135	135
Brush 2						68	66	65
WM Landfill Gas	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Subtotal	560	821	821	821	1,330	1,398	1,398	1,398
Solar								
Alamosa Solar (On-Peak estimate)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
On-Site PV Solar (On-Peak estimate)	14	17	17	19	19	20	21	22
Subtotal	19	22	22	24	24	25	26	27
SPS Diversity Exchange								
	101	101	101	101	101	101	101	101
2007 Preferred Resource Plan								
Biomass		4	4	4	4	4	4	4
Wind (12.5% of nameplate)			13	25	38	50	75	100
Concentrating Solar Power (68% of nameplate)				17	17	17	17	217
Arapahoe site repowering						489	490	490
Subtotal	0	4	17	46	59	551	576	801
PSCo Net Dependable Capacity	7722	7738	7922	7835	7739	7562	7020	7271
PSCo Native Load								
Sept 2007 Updated Native Load	6,872	7,051	6,935	7,092	6,932	7,094	7,258	7,421
Interruptible Load (New ISOC included)	113	155	196	222	227	233	234	236
Saver's Switch	103	123	136	148	159	158	170	160
Enhanced DSM	0	1	20	40	61	85	108	132
Firm Obligation (meets HB07-1037)	6650	6772	6583	6682	6484	6609	6746	6893
Reserve Margin %	16.0%	16.0%	16.0%	16.0%	16.0%	16.0%	16.0%	16.0%
Reserve Requirement (MW)	1054	1084	1053	1059	1039	1053	1079	1103
IREA & HCEA Backup	0	0	40	40	40	40	40	40
Actual Reserve Capacity	1,072	966	1,339	1,154	1,255	952	274	379
Resource Need MW (long)	(8)	118	(246)	(45)	(177)	145	845	764

Stratigist Model Description