

Black Hills Power, Inc.  
South Dakota  
Revenue Requirement Model Description

## **Section F**

**Schedule F-4 – Materials and Supplies - CPGS.** This Schedule shows in detail, Black Hills Power’s share of materials and supplies related to the Cheyenne Prairie Generating Station, for the pro forma test year. These amounts are included in the adjusted working capital on Statement F.

**BLACK HILLS POWER, INC.**  
**Materials and Supplies - CPGS**  
**For the Pro Forma Test Year Ended September 30, 2013**

Schedule F-4  
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Line No.	Equipment Name	Total CPGS Amount	(Note 1) Allocator	BHP's Share
1	Oil/Water Separator	10,000	C	4,200
2	Compressed Air Equipment	10,000	C	4,200
3	Fuel Gas Conditioning, Htg, Pressure Regulating Skids	10,000	C	4,200
4	Cooling Tower	10,000	C	4,200
5	Closed Cooling Water Heat Exchanger	2,000	C	840
6	Auxiliary Cooling Water Pumps	2,000	C	840
7	Fire Pumps Package	10,000	C	4,200
8	General Service Pumps	25,000	C	10,500
9	Butterfly Valves	2,000	C	840
10	Motor Control Centers	5,000	C	2,100
11	Distributed Control System	70,000	C	29,400
12	Cooling Tower Chemical Feed System	2,500	C	1,050
13	Ammonia Storage Tank	10,000	C	4,200
14	Water Treatment Plant	5,000	C	2,100
15	Steam and Water Analysis System	50,000	CC	29,000
16	Continuous Emissions Monitoring	17,000	CC	9,860
17	Steam Turbine/Generator 1C	25,000	CC	14,500
18	Combustion Turbine/Generators CTG 1A&1B	100,000	CC	58,000
19	CT Inlet Air Heater	7,500	CC	4,350
20	Condenser	15,000	CC	8,700
21	Boiler Feed Pumps	73,000	CC	42,340
22	Circulating Water Pumps	5,000	CC	2,900
23	Condensate Pumps	5,000	CC	2,900
24	Heat Recovery Steam Generator	100,000	CC	58,000
25	Steam Turbine Bypass Valves	50,000	CC	29,000
26	Control Valves	30,000	CC	17,400
27	GSU Transformer Parts	5,000	CC	2,900
28	Unit Auxiliary Transformer	5,000	CC	2,900
29	Current Limiting Reactor	1,000	CC	580
30	Station Service Transformer	5,000	CC	2,900
31	Cycle Chemical Feed System	5,000	CC	2,900
32	Spare GSU Transformer	1,000,000	CC	580,000
33	Spare Boiler Feed Pump	150,000	CC	87,000
34	Total	1,822,000		1,029,000
35				
36	<u>Note 1 - Allocators:</u>			
37	C - Common - share CLFP 58%, BHP 42%			
38	CC - Combined cycle - share CLFP 42%, BHP 58%			