



434.582.6110 | www.plantsim.com | 122 Cornerstone St, Lynchburg, VA 24502

## Summary

Plant Simulator Specifications:

Plant Item	PS1 (US Units)	PS2 (US Units)	PS3 (SI Units)	PS4 (US Units)
<b>Boiler / HRSG</b>	CE TANGANITAL FIRE OIL/GAS.	CE TANGANITAL FIRE - Coal	Nooter Erikson Heat Recovery Steam Generator (2-on-1)	B&W NATRAL CIRC - Coal
<b>Capacity</b>	525 MW	525 MW	705 MW	750 MW
<b>Fuel</b>	Fuel Oil, Natural Gas	Coal	Natural Gas	Coal
<b>Mills</b>	N/A	5 CE bowl mills, with exhausters	N/A	6 B&W MPS 89
<b>Fans</b>	2 FD, 1 GR	2ID, 2FD	N/A	2 PA, 4 ID, 2FD, 1GR
<b>Steam Pressure</b>	2,400 PSI	2,400 PSI	HP/IP/LP, 100/24/6 Bar	2,400PSI
<b>Steam Temp.</b>	1,000/1,000 F	1,000/1,000 F	HP/IP/LP, 540/540/266 C	1,005/1,005 F
<b>Max Steam Flow</b>	3,500,000 lbm/hr	3,500,000 lbm/hr	HP/IP/LP, 75/14/7 kg/s (192 kg/s total)	6,000,000 lbm/hr
<b>Turbines</b>	GE, 520MW, HP, IP, 2LP	GE, 510MW ,HP, IP , 2 LP	GE, 2 CT + 1 ST, 235 MW each	GE, 750MW, HP, IP, 2LP,
<b>Feed Pumps</b>	2 GE turbine BFP's	2 GE turbine BFP's	4 Alstom (2 HP, 2 LP) electric BFP's	Startup electric BFP shared between 2 units. 1 GE Turbine BFP with Woodward 5005 controller
<b>Cond Pumps</b>	2 variable speed	2 variable speed	2 constant speed	2 variable speed
<b>DCS</b>	BAILEY INFI90	BAILEY INFI90	BAILEY INFI90	BAILEY INFI90
<b>Soft Panels</b>	Extensive Hard Panel Controls	Extensive Hard Panel Controls	No Hard Panels	1 Generator panel, 1 Woodward 5005 panel