APPENDIX F

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MAJOR MECHANICAL EQUIPMENT LIST

Major Mechanical Equipment Listing

Equipment				Service/Remarks
Name	Installed	Operating	Size/Capacity	
Combustion Turbine Generators (CTGs)	4	4	GE 7FA	DLN combustion control with inlet air foggers
Steam Turbine Generators (STG)	2	2	245 MW	Condensing Reheat STG
Heat Recovery Steam Generators (HRSGs)	4	4	1,850 psig HP Steam	Three pressure w/ reheat & supplemental duct firing
Aqueous Ammonia Storage Tank	1	1	50,000 US gal	NO_x control (19 wt % ammonia solution)
SCR Catalyst	4	4	2 ppm NO_X @ 15% O_2	NO_x control
Oxidation Catalyst	4	4	6 ppm CO @ 15% O_2	VOC and CO Control
HRSG Stacks	4	4	19 ft dia x 150 ft high	Self-supported
Continuous Emissions Monitoring System (CEM)	4	4		NO_x, CO and O_2
HP/IP Boiler Feedwater Pumps	8	4	1,950 US gpm	Horizontal
Deaerating Surface Condenser	2	2	1,334 MMBtu/h	STG Bypass Dump
Vacuum Condensate Pumps	4	2	3,900 US gpm	Vertical
Cooling Tower	2	2	11 Cells	Counterflow Tower
Circulating Water Pumps	4	4	77,000 US gpm	Vertical
Closed Loop Cooling Water Pumps	4	2	3,500 US gpm	Generator and lube oil cooling
Closed Loop Cooling Water Heat Exchangers	4	2	50 MMBtu/h	Generator and lube oil cooling
Fuel Gas Filter Separators	4	4	31,000 SCFM	Natural gas fuel
Emergency Diesel Generator	1	1	600 kW	
Raw Water / Firewater Storage Tank	1	1	8,400,000 US gal	300,000 dedicated to firewater reserve
Demineralized Water Storage Tank	1	1	440,000 US gal	BFW makeup and CTG's inlet air foggers