

Western Michigan University

Robert M. Beam Power Plant

STEAM GENERATING EQUIPMENT

(All units operate at 200 psig, 480°F)

Unit	Year	Manufacturer	Capacity(lb/hr)
Boiler 6	1965	Wickes	62,500
HRSG 7	1997	ERI-Nebraska	65,000
HRSG 8	1997	ERI-Nebraska	65,000
Boiler 9	2004	ERI-Nebraska	65,000
Boiler 10	2009	ERI-Nebraska	65,000

Total Steam Capacity: 322,500 lb/hr

Firm Steam Capacity (largest unit off line): 257,500 lb/hr

Current Peak Steam Demand: 195,200 lb/hr

Historic Peak Steam Demand: 290,000 lb/hr

ELECTRICAL GENERATING EQUIPMENT

Unit	Year	Manufacturer	Capacity (kilowatts)
Turbine 7	1997	Allison 501/KB7/DLE	5,000
Turbine 8	1997	Allison 501/KB7/DLE	5,000
Steam Turbine	1998	Elliot	900
Engine generator	1999	Caterpillar	800

Total Generating Capacity: 11,700 kW

Average Peak Electric Demand: 16,000 kW