

# Unit Operating Characteristics

		McKee 1	McKee 2	McKee 3	Van Sant
<b>Unit Operating Parameters</b>					
Installed Capacity	MW	17	17	102	39 Summer/40 Winter
Allowed # starts per Day		1	1	1	2
Minimum Shutdown Time	Hrs	8	8	6	2
Minimum Run Time	Hrs	24	24	10	3
Minimum Notification					
Cold Start to Min	Hrs	11	11	10	1
Cold Start to Max	Hrs	12	12	12	1
Hot Start to Min (Boiler temp > 700 degrees)	Hrs	11	11	6	1
Hot Start to Max (Boiler temp > 700 degrees)	Hrs	12	12	8	1
Planned Outages (Typical per year)	weeks	1	1	3	1
Net Dependable Generator Capability					
Max Summer Economic	MW	15	15	93	36
Max Winter Economic	MW	15	15	93	40
Min Gen	MW	6	6	30	36
Ramp Rate					
Normal Ramp Rate	MW/Minute	1	1	1	10
Emergency Ramp Rate	MW/Minute	1.5	1.5	3	10

## Environmental Limitations:

McKee 1

Energy output shall not exceed 29,784 MW-hours in any one calendar year, nor shall Energy output exceed a rolling average of 14,892 MW-hours/Year for the previous three consecutive calendar years.

McKee 2

Energy output shall not exceed 29,784 MW-hours in any one calendar year, nor shall Energy output exceed a rolling average of 14,892 MW-hours/Year for the previous three consecutive calendar years.

Van Sant

Energy output shall not exceed 70,080 MW-hours in any one calendar year, nor shall Energy output exceed a rolling average of 35,040 MW-hours/year for the previous three consecutive calendar years.

## OEM

McKee Run Unit 1  
McKee Run Unit 2  
McKee Run Unit 3

Commercial

1961 B&W Boiler, Westinghouse Steam turbine  
1961 B&W Boiler, Westinghouse Steam turbine  
1975 Reilly Boiler, GE Steam turbine  
GE Frame 6B gas turbine with water injection for Nox control. (simple cycle)

Full Load Heatrate

Min Load Heatrate

13  
13  
10.8  
13  
13

VanSant

1991

13

13

## Notes

Heatrate numbers are indicative only. Actual values vary according to plant conditions  
Heatrate s shown are for No 6 and No 2 Oil  
Min run times and startup times are those that are in place now with PJM  
McKee units run 90-95% on oil. VanSant runs 70-80% on oil.