

GROSS ELECTRICAL EFFICIENCY**Plant Generating Electricity only**

Parameter		
	LPN	LP1
Waste input [t/h]	56.25	64
Total Annual input (tpa)	450,000	512,000
Waste input [kg/s]	15.6	17.8
Waste NCV as MJ/g	9.6	8.4
Total energy input as MW	150	150
Steam Production		
Temperature [C]	430	430
Pressure [bar(a)]	72	72
Amount [kg/s]	52.2	52.2
Specific output Enthalpy [kJ/kg]	3234.251	3234.251
Specific feed water Enthalpy [kJ/kg]	531.812	531.812
Turbine-generator: Condensing Turbine		
Amount [kg/s]	42.5	42.5
Reference temperature of the cooling fluid [C]	25	25
Generator power after correction [MWe]:	49.421	49.421
Gross electrical efficiency [%]:	32.95	32.95