

Country: **France**

Total number of plants: 1
 with co-firing: 1
 fossil fuels for co-firing:

Locations (+database No.):
Grenoble (56).

Year of construction	No.	
before 1995	1	100 %
1995 - 2000	0	0 %
after 2000	0	0 %
unknown	0	0 %

Type of power generation	No.		Fuels	No.*	
Steam turbine:	1	100 %	Woodchips (forest residues):	0	0 %
Steam engine:	0	0 %	Woodchips (saw industry):	1	50 %
Organic rankine cycle:	0	0 %	Paper sludge:	0	0 %
Stirling engine:	0	0 %	Waste wood:	0	0 %
Hot air engine:	0	0 %	Bark:	0	0 %
Gas engine:	0	0 %	Peat:	0	0 %
Gas turbine:	0	0 %	Straw:	0	0 %
Other (or n.a.):	0	0 %	Other (or n.a.):	1	50 %

Character of plants	No.		Electric power	No.	
Testing plants:	0	0 %	<1MW:	0	0 %
Pilote plants:	0	0 %	1MW - <5MW:	0	0 %
Demonstration plants:	0	0 %	5MW - 20MW:	1	100 %
Commercial plants:	1	100 %	>20MW:	0	0 %
unknown:	0	0 %	unknown:	0	0 %

*) double counting possible because some CHP plants might use more than one fuel

Name: Centrale La Poterne

Database No. 56

Basic Info	
Country:	France
Location:	Grenoble
Character of plant:	Commercial plant
Owner:	Compagnie de Chauffage de Grenoble
Contact Person:	n.a.
Telephone:	04 76 33 23 60
Fax:	04 76 40 18 92
email:	commercial@cie-chauffage-grenoble.fr
webpage:	http://www.cie-chauffage-grenoble.fr/p
Year of construction:	1992

Technology		Fuel	
Type of power generation:	Steam turbine	Total fuel input:	n.a. t/a
Electric power:	14 MW _{el}	Tot. lower heating value:	3,5 kWh/kg
Thermal power:	55 MW _{th}	Moisture content:	30 % wet
Co-firing:	Y		
Fuel conversion:	Combustion	Type of fuel 1:	Woodchips (saw industry)
Annual production electricity:	51 GWh/a	Share of fuel 1:	15 %
Annual production heat:	243 GWh/a	Input of fuel 1:	n.a. t/a
Electric efficiency:	n.a. %		
Thermal efficiency:	n.a. %	Type of fuel 2:	coal and animal flower
Total efficiency:	- %	Share of fuel 2:	85 %
Ratio electricity/ heat:	-	Input of fuel 2:	n.a. t/a
Fuel power:	72,5 MW _{fuel}		
<i>Boiler (if steam technology)</i>		Type of fuel 3:	-
Steam mass flow:	n.a. t/h	Share of fuel 3:	- %
Steam temperature:	n.a. °C	Input of fuel3:	- t/a
Steam pressure:	n.a. bar		

Costs		Emissions	
Investment costs:	250 Mio €	CO:	20 to 50 mg/Nm ³
Spec.investment costs (elec):	18,5185 Mio€/MW _{el}	NO _x :	280 to 300 mg/Nm ³
Fuel costs:	n.a. €/t	Particles:	10 to 20 mg/Nm ³
Subsidies:	10 Mio €	C _x H _y :	2 to 5 mg/Nm ³
Number of employees:	180	SO ₂ :	250 to 280 mg/Nm ³

Source:

Marie-Maud Gerard

n.a.... not available