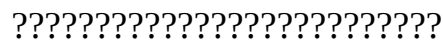


[illegible][illegible]

29????????????

[illegible]

1985?2004?20?????9263
2005????20
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1%30%???

50%????



???????EPR????

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CPR1000
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2008??
????????2010????????????????????????????????Grenoble
??200????????
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12?2
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??1974
??1973??????39%??
1986??2%??1/3????????2/3?
?20??70??1971?1983????????4
????????????1985????? 2131????????3840????????1750????????1570????????1200
????????1986????????3458????????2340????????70%
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250????????????1986?1?1????????44????????3900????17????????2100????
2003????????4909????????85%????????1977~1984?7????????9??????34
??CO2????????????????????1/2
??3.45??CO2
??9
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Class	Reactor	MWe net, each	Commercial operation
900 MWe	Blayais 1-4	910	12/81, 2/83, 11/83, 10/83
	Bugey 2-3	910	3/79, 3/79
	Bugey 4-5	880	7/79-1/80
	Chinon B 1-4	905	2/84, 8/84, 3/87, 4/88
	Cruas 1-4	915	4/84, 4/85, 9/84, 2/85
	Dampierre 1-4	890	9/80, 2/81, 5/81, 11/81
	Fessenheim 1-2	880	12/77, 3/78
	Gravelines B 1-4	910	11/80, 12/80, 6/81, 10/81
	Gravelines C 5-6	910	1/85, 10/85
	Saint-Laurent B 1-2	915	8/83, 8/83
1300 MWe	Tricastin 1-4	915	12/80, 12/80, 5/81, 11/81
	Belleville 1 & 2	1310	6/88, 1/89
	Cattenom 1-4	1300	4/87, 2/88, 2/91, 1/92
	Flamanville 1-2	1330	12/86, 3/87
	Golfech 1-2	1310	2/91, 3/94
	Nogent s/Seine 1-2	1310	2/88, 5/89
	Paluel 1-4	1330	12/85, 12/85, 2/86, 6/86
	Penly 1-2	1330	12/90, 11/92
	Saint-Alban 1-2	1335	5/86, 3/87
	N4 – 1450 MWe	Chooz B 1-2	1500
Civaux 1-2		1495	1999, 2000
Total (58)		63,130	核能研究展望NPRV

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	Type	MWe gross	Construction start	Grid connection	Commercial operation
Fliamanville 3	EPR	1750	12/07	2017	2017
Penly 3	EPR	1750	cancelled	核能研究展望NPRV	

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?1????????1956?????
?2????1967?????????????
?3????????1967?????
?4????????1967?????

?5????????1984???????

1973??10???2????????????? 34

??1991????????????5500

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Fragema??????Cogema?????????????

FBFC????????????????????????CFC???Cogema?????Combustible

??1974

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Framateg????????????????????????Sofinel????????Framateg????????????????????

Framateg

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<http://power.ofweek.com/2013-12/ART-35006-8500-28754419.html>

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