

CARMA Global Nuclear Power Plant Ranking by Electricity Generation for Year 2009

Source: Carbon Monitoring for Action (CARMA) Database (www.carma.org)

Date created: July 11, 2012

Rank	Plant	Country	State/Province	City	metric tons CO2	net MWh	kg CO2 per MWh	Company	Latitude	Longitude	URL
1	YONGGWANG	South Korea	South Jeolla	Reiko	0	48,581,000	0	KOREA HYDRO & NUCLEAR POWER CO	35.415	126.424	http://carma.org/plant/detail/52360
2	ULCHIN	South Korea	North Gyeongsang	Ulchin	0	48,444,000	0	KOREA HYDRO & NUCLEAR POWER CO	37.093	129.384	http://carma.org/plant/detail/46929
3	ZAPORIZHZHYA N	Ukraine	Zaporiz'ka Oblast'	Energodar	0	39,003,000	0	ENERGOATOM	47.512	34.586	http://carma.org/plant/detail/50875
4	GRAVELINES	France	Nord-Pas-de-Calais	Gravelines	0	37,231,000	0	EDF GROUP	51.015	2.136	http://carma.org/plant/detail/15774
5	BRUCE	Canada	Ontario	Tiverton	0	34,701,000	0	TRANSCAN/BPC TRUST/CAMECO	44.704	-81.599	http://carma.org/plant/detail/5956
6	CATTENOM	France	Lorraine	Cattenom	0	33,733,000	0	EDF GROUP	49.416	6.218	http://carma.org/plant/detail/7452
7	FUKUSHIMA DAINI	Japan	Fukushima-ken		0	32,395,000	0	TOKYO ELECTRIC POWER CO	37.319	141.021	http://carma.org/plant/detail/14289
8	OHI	Japan	Fukui-ken		0	31,211,000	0	KANSAI ELECTRIC POWER CO	35.541	135.652	http://carma.org/plant/detail/32278
9	PALO VERDE	United States	Arizona	Wintersburg	0	30,662,000	0	PINNACLE WEST CAPITAL CORP	33.389	-112.865	http://carma.org/plant/detail/33472
10	BALAKOVO	Russia	Saratovskaya Oblast'	Balakovo	0	29,922,000	0	ROSENERGOATOM OJSC	52.091	47.955	http://carma.org/plant/detail/2980
11	FUKUSHIMA DAIICHI	Japan	Fukushima-ken		0	29,891,000	0	TOKYO ELECTRIC POWER CO	37.421	141.032	http://carma.org/plant/detail/14288
12	PALUEL	France	Haute-Normandie	Cany-Barville	0	29,414,000	0	EDF GROUP	49.858	0.636	http://carma.org/plant/detail/33498
13	DARLINGTON (ON)	Canada	Ontario	Bowmanville	0	26,109,000	0	PROVINCE OF ONTARIO	43.873	-78.720	http://carma.org/plant/detail/10237
14	BROWNS FERRY	United States	Alabama	Decatur	0	25,743,000	0	TENNESSEE VALLEY AUTHORITY	34.704	-87.119	http://carma.org/plant/detail/5952
15	KORI	South Korea	Busan		0	25,437,000	0	KOREA HYDRO & NUCLEAR POWER CO	35.317	129.300	http://carma.org/plant/detail/22833
16	KURSK NPP	Russia	Kurskaya Oblast'	Kurchatov	0	25,395,000	0	ROSENERGOATOM OJSC	51.675	35.606	http://carma.org/plant/detail/23400
17	LENINGRAD-1	Russia	Leningrad	Sosnovyy Bor	0	24,284,000	0	ROSENERGOATOM OJSC	59.847	29.044	http://carma.org/plant/detail/24946
18	GENKAI	Japan	Saga-ken		0	23,800,000	0	KYUSHU ELECTRIC POWER CO	33.516	129.837	http://carma.org/plant/detail/14906
19	TIHANGE	Belgium	Walloon Region	Huy	0	23,719,000	0	GDF SUEZ SA	50.535	5.272	http://carma.org/plant/detail/45433
20	CRUAS	France	Rhône-Alpes	Cruas	0	23,617,000	0	EDF GROUP	44.633	4.757	http://carma.org/plant/detail/9740
21	DAMPIERRE	France	Centre	Ouzouer-sur-Loire	0	23,053,000	0	EDF GROUP	47.733	2.517	http://carma.org/plant/detail/10152
22	TRICASTIN	France	Rhône-Alpes	Saint-Paul-Trois-Châteaux	0	23,026,000	0	EDF GROUP	44.330	4.732	http://carma.org/plant/detail/46283
23	QINSHAN-3	China	Zhejiang Sheng		0	22,334,000	0	THIRD QINSHAN NUCLEAR POWER CO	30.436	120.956	http://carma.org/plant/detail/36221
24	FORSMARK	Sweden	Uppsala	Östhammar	11,398	21,911,000	0.52	VATTENFALL GROUP	60.403	18.167	http://carma.org/plant/detail/13776
25	BLAYAIS	France	Aquitaine	Saint-Ciers-sur-Gironde	0	21,364,000	0	EDF GROUP	45.256	0.693	http://carma.org/plant/detail/4899
26	SOUTH TEXAS PROJECT	United States	Texas	Wadsworth	0	21,356,000	0	AUSTIN ENERGY/CPS/NRG ENERGY	28.796	-96.049	http://carma.org/plant/detail/42554
27	DOEL	Belgium	Flanders	Beveren	0	21,241,000	0	GDF SUEZ SA	51.325	4.259	http://carma.org/plant/detail/10991
28	KALININ	Russia	Tverskaya Oblast'	Udomlya	0	21,045,000	0	ROSENERGOATOM OJSC	57.906	35.060	http://carma.org/plant/detail/20926
29	BUGEY	France	Rhône-Alpes	Bugey	0	20,921,000	0	EDF GROUP	45.325	5.271	http://carma.org/plant/detail/6158
30	OCONEE	United States	South Carolina	Seneca	0	20,892,000	0	DUKE ENERGY CORP	34.794	-82.898	http://carma.org/plant/detail/32159
31	PICKERING	Canada	Ontario	Pickering	69,486	20,754,000	3.35	PROVINCE OF ONTARIO	43.812	-79.066	http://carma.org/plant/detail/34530
32	GUNDREMMINGEN	Germany	Bavaria	Gundremmingen	0	20,665,000	0	RWE/E.ON	48.515	10.402	http://carma.org/plant/detail/16304
33	COMANCHE PEAK	United States	Texas	Glen Rose	0	20,141,000	0	ENERGY FUTURE HOLDINGS CORP	32.298	-97.785	http://carma.org/plant/detail/9138
34	SMOLENSK NPP	Russia	Smolenskaya Oblast'	Desnogorsk	6,299.6	19,880,000	0.317	ROSENERGOATOM OJSC	54.169	33.247	http://carma.org/plant/detail/42074
35	CIVAUX	France	Poitou-Charentes	Civaux	0	19,788,000	0	EDF GROUP	46.457	0.653	http://carma.org/plant/detail/8758
36	BYRON GENERATING STATION	United States	Illinois	Byron	0	19,718,000	0	EXELON CORP	42.074	-89.282	http://carma.org/plant/detail/6480
37	RINGHALS	Sweden	Halland	Väröbacka	0	19,671,000	0	VATTENFALL/E.ON	57.260	12.111	http://carma.org/plant/detail/37374
38	PSEG SALEM GENERATING STATION	United States	New Jersey	Hancocks Bridge	545.26	19,649,000	0.0277	PUBLIC SERVICE ENTERPRISE GRP	39.463	-75.536	http://carma.org/plant/detail/38835
39	GOLFECH	France	Midi-Pyrénées	Golfech	0	19,645,000	0	EDF GROUP	44.107	0.845	http://carma.org/plant/detail/15419
40	PPL SUSQUEHANNA	United States	Pennsylvania	Berwick	0	19,487,000	0	PPL CORP	41.089	-76.149	http://carma.org/plant/detail/43878

Notes: Data extracted from EIA and IAEA public databases. 'Company' refers to the ultimate corporate owner/operator. Some CO2 emissions may occur if secondary fuels are present. Visit www.carma.org for more details.