

NERC GADS EFORD Class Averages as used by ISO New England

The values are based on North American generating units that report data to the North American Electric Reliability Corporation (NERC)

Source Data From:	2002-2006		2003-2007		2004-2008		2005-2009		2006-2010		2007-2011	
Class Average Type From NERC Brochure	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)
Combined Cycle	0.0570	0.4476	0.0617	0.3147	0.0622	0.3013	0.0610	0.3213	0.0588	0.3428	0.0496	0.3735
Diesel	0.1247	0.0573	0.1030	0.0451	0.0841	0.0653	0.1046	0.0696	0.1304	0.0675	0.1441	0.0763
Farm Methane	Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine	
Fossil - All Fuel Types - All Sizes	0.0630	0.5823	0.0701	0.5784	0.0667	0.5800	0.0686	0.5757	0.0722	0.5598	0.0750	0.5475
Fossil - Coal Primary 1-99	0.0621	0.6536	0.0696	0.5335	0.0654	0.6642	0.0779	0.5433	0.0900	0.5064	0.1013	0.4860
Fossil - Coal Primary 100-199	0.0672	0.5365	0.0632	0.6578	0.0718	0.5549	0.0662	0.6517	0.0670	0.6125	0.0661	0.5827
Fossil - Coal Primary 200-299	0.0553	0.7121	0.0593	0.7079	0.0593	0.7247	0.0600	0.7227	0.0629	0.6900	0.0703	0.6579
Fossil - Coal Primary 300-399	0.0618	0.7102	0.0609	0.7176	0.0621	0.7278	0.0635	0.7178	0.0629	0.7041	0.0661	0.6894
Fossil - Coal Primary 600-799	0.0656	0.7575	0.0642	0.7628	0.0646	0.7641	0.0629	0.7543	0.0644	0.7476	0.0661	0.7334
Fossil - Gas Primary 1-99	0.0791	0.1123	0.0839	0.0921	0.0747	0.0810	0.0836	0.0785	0.0971	0.0804	0.1106	0.0819
Fossil - Gas Primary 100-199	N/A	N/A	0.0812	0.1572	0.0601	0.1523	0.0621	0.1400	0.0684	0.1309	0.0748	0.1162
Fossil - Gas Primary 200-299	N/A	N/A	0.0704	0.2021	0.0633	0.1885	0.0604	0.1844	0.0597	0.1716	0.0624	0.1706
Fossil - Gas Primary 300-399	0.0550	0.1916	0.0545	0.1526	0.0584	0.1317	0.0531	0.1231	0.0471	0.1184	0.0489	0.1126
Fossil - Oil Primary 1-99	0.0821	0.2546	0.1919	0.2312	0.1089	0.2484	0.1131	0.2440	0.0876	0.2440	0.0626	0.2408
Fossil - Oil Primary 100-199	0.0622	0.2107	0.1829	0.1829	0.1114	0.1869	0.1087	0.1760	0.1179	0.1613	0.0846	0.1402
Fossil - Oil Primary 200-299	0.0730	0.2121	0.4041	0.1307	0.2706	0.1522	0.2897	0.1295	0.3221	0.1031	0.2898	0.0682
Fossil - Oil Primary 300-399	0.0539	0.3733	0.0477	0.3386	0.0421	0.3122	0.0387	0.2902	0.0334	0.2344	0.0304	0.1773
Fossil - Oil Primary 400-599	0.0471	0.3394	0.0512	0.2891	0.0514	0.2614	0.0505	0.2150	0.0522	0.1722	0.0526	0.1189
Fossil - Oil Primary 600-799	0.0901	0.2031	0.0884	0.1744	0.1062	0.1585	0.1680	0.1156	0.2858	0.0790	0.3570	0.0603
Gas Turbine 1-19	0.2177	0.0112	0.2579	0.0099	0.1220	0.0092	0.1418	0.0091	0.1667	0.0088	0.1901	0.0083
Gas Turbine 20-49	0.1039	0.0180	0.1116	0.0177	0.1069	0.0176	0.0937	0.0170	0.1002	0.0149	0.1073	0.0130
Gas Turbine 50 Plus	0.0794	0.0397	0.0680	0.0357	0.0623	0.0339	0.0659	0.0308	0.0699	0.0293	0.0724	0.0277
Hydro 1-29	0.0459	0.4006	0.0462	0.4119	0.0613	0.4062	0.0676	0.3915	0.0731	0.4017	0.0761	0.4061
Hydro 30 Plus	0.0320	0.4018	0.0313	0.4207	0.0319	0.4160	0.0358	0.4142	0.0363	0.4121	0.0357	0.4062
Jet Engine 1-19	0.2471	0.0056	0.2526	0.0055	0.1210	0.0052	0.1300	0.0055	0.1361	0.0055	0.1496	0.0047
Jet Engine 20 Plus	0.0832	0.0454	0.0994	0.0473	0.0886	0.0497	0.0836	0.0499	0.0905	0.0465	0.0950	0.0438
Land Fill Gas (LFG)	Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine	
Miscellaneous	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	
Municipal Solid Waste	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	
Nuclear - BWR 400-799	0.0726	0.8455	0.0737	0.8508	0.0273	0.9041	0.0261	0.9144	0.0257	0.9139	0.0262	0.9174
Nuclear - PWR 1000 Plus	0.0369	0.8816	0.0314	0.8786	0.0296	0.8998	0.0254	0.8983	0.0292	0.8948	0.0311	0.8990
Nuclear - PWR 800-999	0.0435	0.8776	0.0415	0.8880	0.0292	0.8974	0.0195	0.9149	0.0176	0.9152	0.0297	0.9021
Pumped Storage	0.0384	0.1366	0.0257	0.1309	0.0258	0.1304	0.0286	0.1236	0.0337	0.1127	0.0368	0.1066
Solar	Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro	
Wind	Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro	
Wood	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	

Source: NERC Generating Unit Statistical Brochure - All Units Reporting - Five Year Average

Updated: March 12, 2026

<https://www.nerc.com/programs/reliability-assessment--performance-analysis/generating-availability-data-system/gads-conventional/generating-unit-statistical-brochures>

NERC GADS EFORD Class Averages as used by ISO New England

The values are based on all generating units that report data to the North American Electric Reliability Corporation

Source Data From:	2008-2012		2009-2013		2010-2014		2011-2015		2012-2016		2013-2017	
Class Average Type From NERC Brochure	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)
Combined Cycle	0.0457	0.4511	0.0458	0.4763	0.0477	0.5129	0.0395	0.5609	0.0429	0.5304	0.0411	0.5272
Diesel	0.1329	0.1078	0.1337	0.1047	0.1230	0.1298	0.0370	0.0968	0.0583	0.0969	0.0587	0.0948
Farm Methane	Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine	
Fossil - All Fuel Types - All Sizes	0.0810	0.5088	0.0827	0.4945	0.0832	0.4946	0.0879	0.4388	0.0834	0.4582	0.0844	0.4534
Fossil - Coal Primary 1-99	0.1101	0.3935	0.1012	0.3690	0.0972	0.3677	0.1125	0.3297	0.0832	0.3408	0.0786	0.3565
Fossil - Coal Primary 100-199	0.0611	0.4826	0.0606	0.4434	0.0617	0.4398	0.0841	0.3933	0.0647	0.4120	0.0686	0.4118
Fossil - Coal Primary 200-299	0.0787	0.5558	0.0870	0.5068	0.0935	0.4888	0.1233	0.4187	0.1086	0.4444	0.1065	0.4520
Fossil - Coal Primary 300-399	0.0676	0.6110	0.0673	0.5841	0.0716	0.5753	0.0791	0.4909	0.0783	0.5134	0.0821	0.5060
Fossil - Coal Primary 600-799	0.0675	0.6905	0.0713	0.6798	0.0703	0.6701	0.0646	0.5922	0.0705	0.6152	0.0739	0.6103
Fossil - Gas Primary 1-99	0.1306	0.0883	0.1355	0.0884	0.1488	0.0893	0.1085	0.1022	0.1244	0.0982	0.1233	0.1012
Fossil - Gas Primary 100-199	0.0811	0.1113	0.0833	0.1112	0.0826	0.1095	0.0825	0.1160	0.0764	0.1185	0.0741	0.1109
Fossil - Gas Primary 200-299	0.0753	0.1648	0.0730	0.1611	0.0930	0.1526	0.1162	0.1509	0.0841	0.1456	0.0855	0.1393
Fossil - Gas Primary 300-399	0.0637	0.1095	0.0826	0.1058	0.0896	0.0948	0.1179	0.0939	0.0987	0.1002	0.1024	0.0924
Fossil - Oil Primary 1-99	0.0404	0.2416	0.0365	0.2421	0.0386	0.2488	0.0689	0.2754	0.0443	0.2480	0.0504	0.2573
Fossil - Oil Primary 100-199	0.0771	0.1059	0.1202	0.0980	0.1351	0.1043	0.1899	0.0854	0.1663	0.0964	0.1682	0.1010
Fossil - Oil Primary 200-299	0.1249	0.0366	0.1503	0.0248	0.1696	0.0281	****	****	0.1497	0.0391	0.1538	0.0576
Fossil - Oil Primary 300-399	0.0551	0.1411	0.0554	0.1302	0.0533	0.1286	0.0507	0.1185	0.0662	0.1239	0.0647	0.1092
Fossil - Oil Primary 400-599	0.0616	0.0864	0.1153	0.0799	0.1241	0.0847	0.2573	0.0190	0.1956	0.0424	0.2366	0.0248
Fossil - Oil Primary 600-799	0.4463	0.0577	0.4096	0.0552	0.3623	0.0683	0.0699	0.0473	0.1463	0.0471	0.0663	0.0315
Gas Turbine 1-19	0.2140	0.0073	0.2078	0.0072	0.2048	0.0070	0.1838	0.0057	0.1860	0.0067	0.1735	0.0062
Gas Turbine 20-49	0.1120	0.0109	0.1462	0.0120	0.1524	0.0150	0.1213	0.0205	0.1297	0.0230	0.1153	0.0268
Gas Turbine 50 Plus	0.0761	0.0277	0.0816	0.0274	0.0871	0.0291	0.0960	0.0607	0.0929	0.0526	0.0986	0.0369
Hydro 1-29	0.0792	0.4116	0.0871	0.4118	0.1025	0.3811	0.1566	0.3068	0.1281	0.3431	0.1339	0.3351
Hydro 30 Plus	0.0352	0.4197	0.0343	0.4140	0.0348	0.4067	0.0327	0.3853	0.0355	0.4009	0.0375	0.3791
Jet Engine 1-19	0.1818	0.0029	0.2039	0.0023	0.2157	0.0025	0.2138	0.0022	0.2116	0.0023	0.1986	0.0025
Jet Engine 20 Plus	0.0976	0.0387	0.1064	0.0375	0.1106	0.0396	0.1088	0.0429	0.1154	0.0435	0.1111	0.0447
Land Fill Gas (LFG)	Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine	
Miscellaneous	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	
Municipal Solid Waste	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	
Nuclear - BWR 400-799	0.0323	0.9055	0.0349	0.8820	0.0358	0.8875	0.0327	0.8877	0.0358	0.8929	0.0299	0.8910
Nuclear - PWR 1000 Plus	0.0432	0.8852	0.0481	0.8752	0.0425	0.8812	0.0164	0.9095	0.0402	0.8808	0.0276	0.8953
Nuclear - PWR 800-999	0.0530	0.8821	0.0559	0.8779	0.0550	0.8749	0.0148	0.9140	0.0302	0.9000	0.0214	0.9165
Pumped Storage	0.0577	0.0941	0.0610	0.0919	0.0618	0.0893	0.0742	0.0767	0.0602	0.0805	0.0541	0.0819
Solar	Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro	
Wind	Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro	
Wood	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	

Source: NERC Generating Unit Statistical Brochure - All Units Reporting - Five Year Average

Updated: March 12, 2026

<https://www.nerc.com/programs/reliability-assessment--performance-analysis/generating-availability-data-system/gads-conventional/generating-unit-statistical-brochures>

NERC GADS EFORD Class Averages as used by ISO New England

The values are based on all generating units that report data to the North American Electric Reliability Corporation

Source Data From:	2014-2018		2015-2019		2016-2020		2017-2021		2018-2022		2019-2023	
Class Average Type From NERC Brochure	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)	EFORD Class Average	Capacity Factor Class Average (NCF Used)
Combined Cycle	0.0394	0.5359	0.0381	0.5476	0.0387	0.5425	0.0406	0.5421	0.0443	0.5515	0.0471	0.5631
Diesel	0.0623	0.1035	0.0723	0.1066	0.0792	0.1100	0.0658	0.1514	0.0612	0.1701	0.0640	0.1771
Farm Methane	Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine	
Fossil - All Fuel Types - All Sizes	0.0885	0.4431	0.0910	0.4227	0.0931	0.4056	0.0990	0.3986	0.1050	0.3913	0.1085	0.3723
Fossil - Coal Primary 1-99	0.0865	0.3600	0.0836	0.3518	0.0802	0.3575	0.0843	0.3642	0.0928	0.3848	0.0845	0.3965
Fossil - Coal Primary 100-199	0.0754	0.3970	0.0834	0.3684	0.0842	0.3634	0.0930	0.3773	0.1024	0.4028	0.1079	0.4149
Fossil - Coal Primary 200-299	0.1086	0.4562	0.0980	0.4421	0.0887	0.4395	0.0850	0.4464	0.0965	0.4513	0.0905	0.4376
Fossil - Coal Primary 300-399	0.0886	0.4849	0.0948	0.4495	0.1002	0.4224	0.1049	0.4089	0.1186	0.3893	0.1279	0.3666
Fossil - Coal Primary 600-799	0.0740	0.5962	0.0751	0.5712	0.0778	0.5466	0.0838	0.5386	0.0945	0.5254	0.1045	0.4954
Fossil - Gas Primary 1-99	0.1219	0.1118	0.1175	0.1220	0.1187	0.1233	0.1369	0.1186	0.1562	0.1137	0.1785	0.1128
Fossil - Gas Primary 100-199	0.0800	0.1144	0.0874	0.1182	0.0892	0.1219	0.0948	0.1221	0.1006	0.1310	0.1061	0.1395
Fossil - Gas Primary 200-299	0.0931	0.1474	0.0901	0.1643	0.0819	0.1752	0.0774	0.1713	0.0767	0.1782	0.0838	0.1821
Fossil - Gas Primary 300-399	0.0989	0.0983	0.0997	0.1063	0.0959	0.1154	0.0927	0.1262	0.0921	0.1434	0.0976	0.1527
Fossil - Oil Primary 1-99	0.0660	0.2668	0.0958	0.2872	0.1420	0.2898	0.1875	0.2925	0.2202	0.3014	0.2515	0.3143
Fossil - Oil Primary 100-199	0.1443	0.1078	0.1782	0.1114	0.1738	0.1300	0.1827	0.1448	0.1989	0.1764	0.1632	0.2014
Fossil - Oil Primary 200-299	****	****	****	****	****	****	****	****	****	****	****	****
Fossil - Oil Primary 300-399	0.0710	0.1089	0.0734	0.0988	0.1025	0.0835	0.0916	0.0689	0.0984	0.0702	0.1041	0.0562
Fossil - Oil Primary 400-599	0.2334	0.0162	0.2421	0.0103	0.2332	0.0051	0.1935	0.0048	0.2071	0.0082	0.2036	0.0070
Fossil - Oil Primary 600-799	0.0617	0.0320	0.0882	0.0261	0.1055	0.0188	0.1393	0.0154	0.1863	0.0179	0.2170	0.0136
Gas Turbine 1-19	0.1724	0.0066	0.1750	0.0068	0.1720	0.0071	0.1757	0.0065	0.1753	0.0072	0.1656	0.0066
Gas Turbine 20-49	0.1108	0.0326	0.1092	0.0383	0.1040	0.0471	0.1015	0.0508	0.1115	0.0534	0.1137	0.0522
Gas Turbine 50 Plus	0.0965	0.0452	0.0940	0.0505	0.0927	0.0518	0.0923	0.0513	0.0949	0.0555	0.0939	0.0495
Hydro 1-29	0.1375	0.3285	0.1407	0.3361	0.1437	0.3452	0.1457	0.3331	0.1543	0.3269	0.1582	0.3196
Hydro 30 Plus	0.0371	0.3797	0.0395	0.3655	0.0429	0.3635	0.0453	0.3354	0.0454	0.3425	0.0469	0.3291
Jet Engine 1-19	0.1974	0.0030	0.1909	0.0023	0.1831	0.0020	0.1773	0.0019	0.1892	0.0023	0.1744	0.0014
Jet Engine 20 Plus	0.1018	0.0483	0.0947	0.0496	0.0886	0.0516	0.0889	0.0525	0.0908	0.0557	0.0909	0.0584
Land Fill Gas (LFG)	Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine		Use Gas Turbine	
Miscellaneous	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	
Municipal Solid Waste	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	
Nuclear - BWR 400-799	0.0351	0.9117	0.0361	0.9036	0.0324	0.9190	0.0306	0.9198	0.0314	0.9328	*	*
Nuclear - PWR 1000 Plus	0.0193	0.9133	0.0199	0.9148	0.0214	0.9148	0.0222	0.9125	0.0210	0.9147	0.0217	0.9116
Nuclear - PWR 800-999	0.0172	0.9220	0.0162	0.9280	0.0164	0.9323	0.0156	0.9309	0.0163	0.9287	0.0169	0.9333
Pumped Storage	0.0525	0.0811	0.0539	0.0805	0.0469	0.0800	0.0579	0.0785	0.0690	0.0788	0.0169	0.9333
Solar	Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro	
Wind	Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro		Use Hydro	
Wood	Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types		Use Fossil-All Fuel Types	

Source: NERC Generating Unit Statistical Brochure - All Units Reporting - Five Year Average

<https://www.nerc.com/programs/reliability-assessment--performance-analysis/generating-availability-data-system/gads-conventional/generating-unit-statistical-brochures>

Updated: March 12, 2026

NERC GADS EFORD Class Averages as used by ISO New England

The values are based on all generating units that report data to the North American Electric Reliability Corporation

Source Data From: Class Average Type From NERC Brochure	2020-2024	
	EFORD Class Average	Capacity Factor Class Average (NCF Used)
Combined Cycle	0.0491	0.5734
Diesel	0.0632	0.1735
Farm Methane	Use Gas Turbine	
Fossil - All Fuel Types - All Sizes	0.1019	0.4434
Fossil - Coal Primary 1-99	0.0897	0.4319
Fossil - Coal Primary 100-199	0.1023	0.4392
Fossil - Coal Primary 200-299	0.0907	0.4370
Fossil - Coal Primary 300-399	0.1399	0.3679
Fossil - Coal Primary 600-799	0.1111	0.4818
Fossil - Gas Primary 1-99	0.2041	0.1078
Fossil - Gas Primary 100-199	0.1126	0.1495
Fossil - Gas Primary 200-299	0.0984	0.1800
Fossil - Gas Primary 300-399	0.1007	0.1630
Fossil - Oil Primary 1-99	0.2492	0.3258
Fossil - Oil Primary 100-199	0.1224	0.2123
Fossil - Oil Primary 200-299	****	****
Fossil - Oil Primary 300-399	0.1066	0.0510
Fossil - Oil Primary 400-599	0.2012	0.0083
Fossil - Oil Primary 600-799	0.2081	0.0163
Gas Turbine 1-19	0.1591	0.0061
Gas Turbine 20-49	0.1083	0.0512
Gas Turbine 50 Plus	0.0902	0.0500
Hydro 1-29	0.1553	0.3107
Hydro 30 Plus	0.0491	0.3327
Jet Engine 1-19	0.1692	0.0015
Jet Engine 20 Plus	0.0925	0.0594
Land Fill Gas (LFG)	Use Gas Turbine	
Miscellaneous	Use Fossil-All Fuel Types	
Municipal Solid Waste	Use Fossil-All Fuel Types	
Nuclear - BWR 400-799	****	****
Nuclear - PWR 1000 Plus	0.0249	0.9083
Nuclear - PWR 800-999	0.0158	0.9306
Pumped Storage	0.0803	0.0794
Solar	Use Hydro	
Wind	Use Hydro	
Wood	Use Fossil-All Fuel Types	

Source: NERC Generating Unit Statistical Brochure - All Units Reporting - Five Year Average

<https://www.nerc.com/programs/reliability-assessment--performance-analysis/generating-availability-data-system/gads-conventional/generating-unit-statistical-brochures>

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