

List of operational power plants connected to the power grid of Azerbaijan excluding Nakhchivan region - 2022

Power plant name	Capacity, MW	Plant type	Annual generation, kWh	Technology	Energy source	Commissioning year
Azerbaijan - Unit 1	300,00	Thermal Power Plant	4 342 338 270	Steam turbine	Natural gas and fuel oil	1981
Azerbaijan - Unit 2	300,00	Thermal Power Plant		Steam turbine	Natural gas and fuel oil	1982
Azerbaijan - Unit 3	300,00	Thermal Power Plant		Steam turbine	Natural gas and fuel oil	1983
Azerbaijan - Unit 4	300,00	Thermal Power Plant		Steam turbine	Natural gas and fuel oil	1984
Azerbaijan - Unit 5	300,00	Thermal Power Plant		Steam turbine	Natural gas and fuel oil	1985
Azerbaijan - Unit 6	300,00	Thermal Power Plant		Steam turbine	Natural gas and fuel oil	1986
Azerbaijan - Unit 7	300,00	Thermal Power Plant		Steam turbine	Natural gas and fuel oil	1989
Azerbaijan - Unit 8	300,00	Thermal Power Plant		Steam turbine	Natural gas and fuel oil	1990
Janub	780,00	Thermal Power Plant	5 573 873 638	Combined-cycle gas turbine	Natural gas	2013
Shimal Unit - 1	400,00	Thermal Power Plant	3 060 221	Combined-cycle gas turbine	Natural gas	2002
Shimal Unit - 2	400,00	Thermal Power Plant	3 060 221	Combined-cycle gas turbine	Natural gas	2019
Sungayit	525,30	Thermal Power Plant	3 889 032 576	Combined-cycle gas turbine	Natural gas	2009
Gobu	385,00	Thermal Power Plant	2 054 167 700	Internal combustion	Natural gas	2022
Sangachal	299,30	Thermal Power Plant	915 038 000	Internal combustion	Natural gas	2008
Baku - Unit 1	53,30	Thermal Power Plant	214 958 000	Cogeneration	Natural gas	2000
Baku - Unit 2	53,30	Thermal Power Plant	214 958 000	Cogeneration	Natural gas	2001
Baku	104,40	Thermal Power Plant	515 519 000	Internal combustion	Natural gas	2007
Shahdag	104,40	Thermal Power Plant	244 989 200	Internal combustion	Natural gas	2009
Astara	87,00	Thermal Power Plant	278 155 191	Internal combustion	Natural gas	2006
Shaki	87,00	Thermal Power Plant	309 136 000	Internal combustion	Natural gas	2006
Khachmaz	87,00	Thermal Power Plant	232 587 000	Internal combustion	Natural gas	2006
Lerik	16,50	Thermal Power Plant	17 977 400	Internal combustion	Natural gas	2018
Mingachevir - Unit 1	71,50	Hydro Power Plant	356 950 574	Impoundment	Water	1954
Mingachevir - Unit 2	70,40	Hydro Power Plant		Impoundment	Water	1954
Mingachevir - Unit 3	71,50	Hydro Power Plant		Impoundment	Water	1954
Mingachevir - Unit 4	70,40	Hydro Power Plant		Impoundment	Water	1954
Mingachevir - Unit 5	70,40	Hydro Power Plant		Impoundment	Water	1954
Mingachevir - Unit 6	70,40	Hydro Power Plant		Impoundment	Water	1954
Shamkir - Unit 1	190,00	Hydro Power Plant	667 130 000	Impoundment	Water	1982
Shamkir - Unit 2	190,00	Hydro Power Plant	667 130 000	Impoundment	Water	1982
Yenikand - Unit 1	37,50	Hydro Power Plant	227 973 312	Impoundment	Water	2000
Yenikand - Unit 2	37,50	Hydro Power Plant		Impoundment	Water	2000
Yenikand - Unit 3	37,50	Hydro Power Plant		Impoundment	Water	2000
Yenikand - Unit 4	37,50	Hydro Power Plant		Impoundment	Water	2003
Fuzuli	25,00	Hydro Power Plant	19 303 488	Diversion	Water	2012
Taxtakorpu	25,00	Hydro Power Plant	62 717 054	Impoundment	Water	2013
Shamkirchay	24,42	Hydro Power Plant	9 966 688	Impoundment	Water	2014
Vahvata	17,00	Hydro Power Plant	64 297 256	Impoundment	Water	1996
Goychay	3,10	Hydro Power Plant	5 186 300	Diversion	Water	2015
Ismayilli - 1	1,58	Hydro Power Plant	4 016 272	Diversion	Water	2013
Ismayilli - 2	1,58	Hydro Power Plant	3 745 218	Diversion	Water	2016
Balakan - 1	1,44	Hydro Power Plant	3 052 310	Diversion	Water	2017
Oguz - 1	1,34	Hydro Power Plant	2 862 580	Diversion	Water	2022
Oguz - 2	1,34	Hydro Power Plant	2 254 590	Diversion	Water	2022
Oguz - 3	0,89	Hydro Power Plant	2 011 510	Diversion	Water	2022
Masalli	0,30	Hydro Power Plant	224 000	Diversion	Water	2019
Astara	0,26	Hydro Power Plant	181 000	Diversion	Water	2020
Gusar - 1	0,96	Hydro Power Plant	266 440	Diversion	Water	2012
Gulaberd	8,00	Hydro Power Plant	22 496 000	Diversion	Water	2021
Suqovushan - 1	4,80	Hydro Power Plant	12 877 950	Diversion	Water	2021
Suqovushan - 2	3,00	Hydro Power Plant	11 629 152	Diversion	Water	2021
Kalbajar - 1	4,40	Hydro Power Plant	11 629 152	Diversion	Water	2022
Sus	4,00	Hydro Power Plant	11 500 000	Diversion	Water	2022
Mugan	4,50	Hydro Power Plant	1 231 989	Diversion	Water	2004
Chechaki	3,00	Hydro Power Plant	7 863 051	Diversion	Water	2017
Shaki - Unit 1	1,30	Hydro Power Plant	4 322 808	Diversion	Water	2008
Shaki - Unit 2	0,58	Hydro Power Plant	203 246	Diversion	Water	2014
Nuqadi	0,83	Hydro Power Plant	899 305	Diversion	Water	2010
Yeni Yashma	50,00	Wind Power Plant	62 470 912	Wind turbine	Wind	2018
Yashma Baglar	3,60	Wind Power Plant	106 104	Wind turbine	Wind	2018
Hokmali Altan Group	8,00	Wind Power Plant	15 129 260	Wind turbine	Wind	2011
Sungayit	2,07	Solar Power Plant	1 182 707	Solar PV	Solar	2014
Sahil	1,93	Solar Power Plant	923 607	Solar PV	Solar	2018
Surakhani	1,56	Solar Power Plant	512 343	Solar PV	Solar	2014
Pirallahı	1,10	Solar Power Plant	596 616	Solar PV	Solar	2017
Simsakh	2,80	Solar Power Plant	1 342 034	Solar PV	Solar	2017
Gobustan	6,26	Hybrid	5 596 473	Wind turbine, Solar PV and Biogas appliance	Wind, solar and biogas mix	2011
Balakhanlı	37,00	Thermal Power Plant	200 000 000	Steam turbine	Waste-to-energy	2012
TOTAL	6990,049		20 386 414 568			

Projected annual generation
Actual annual generation in 2022