



Operational Performance of Power Plants

Energy Generation



41% ▲2%

Plant Availability Factor

5,639MW ▲7%

Average Available Capacity

13,625MW

Installed Capacity

4,608MWh/h ▲1%

Average Hourly Generation

82 ▼5%

Average Load Factor

▲▼ - Relative change compared to previous month (April 2025)

Grid Performance

	Limit	Actual
Grid Frequency	upper 50.25Hz	50.74Hz ▲1%
	lower 49.75Hz	49.39Hz ▼1%
Grid Voltage	upper 346.50kV	349.35kV ▲1%
	lower 313.50kV	299.77kV ▼4%

▲▼ - Percentage deviation from limit ✓ - Performance within limit

Other Grid Connected Plants

Plant	Installed Capacity (MW)	Average Available Capacity (MW)	Plant Availability Factor (%)*	Average Hourly Generation (MWh/h)	Load Factor (%)**
Olorunsogo_2	750	101	14%	59	58%
Afam_1	726	42	6%	33	79%
Sapele Steam_1	720	25	3%	17	68%
Sapele_2	500	106	21%	69	66%
Alaoji_1	500	0	0%	0	0%
Omosho_2	500	50	10%	31	62%
Ihovbor_1	500	89	18%	44	49%
Okpai_1	480	256	53%	231	90%
Geregu_2	435	219	50%	92	42%
Omosho_1	335	184	55%	173	94%
Olorunsogo_1	335	176	53%	172	97%
Ibom power_1	190	24	12%	14	60%
Rivers_1	180	23	13%	21	90%
Omoku_1	150	26	18%	27	100%
Ikeja_1	110	110	100%	106	97%
Trans Amadi_1	100	5	5%	6	100%
Igbafo_1	45	21	46%	26	100%
Dadin-Kowa_1	40	17	42%	17	100%
Grid Total	13,625	5,639	41%	4,608	82%

*Plant availability factor is the ratio of the maximum rated output of the plant declared by the operator relative to the maximum rated output specified by the manufacturer

**The load factor is the ratio of the average electricity generated over a period to the maximum possible generation

Largest Energy Producers - May 2025

