



Operational Performance of Power Plants

Energy Generation



Plant Availability Factor

5,257MW ▼3% **13,625MW**
Average Available Capacity Installed Capacity

4,192MWh/h ▲7% **28**
Average Hourly Generation Grid-Connected Plants

▲▼ - Relative change compared to previous month (October 2024)

Grid Performance

	Target	Actual
Grid Frequency	upper 50.25Hz	50.83Hz ▲ 1%
	lower 49.75Hz	49.40Hz ▼ 1%
Grid Voltage	upper 346.50kV	352.27kV ▲ 2%
	lower 313.50kV	291.30kV ▼ 8%

▲▼ - Percentage deviation from target

Other Grid Connected Plants

* Plant	Installed Capacity (MW)	Average Available Capacity (MW)	Plant Availability Factor (%)	Average Hourly Generation (MWh/h)	Load Factor (%)
Afam_1	726	71	10%	67	94%
Sapele Steam_1	720	78	11%	45	58%
Olorunsogo_2	750	100	13%	7	7%
Omosho_2	500	0	0%	0	0%
Alaoji_1	500	0	0%	0	0%
Sapele_2	500	106	21%	61	58%
Ihovbor_1	500	73	15%	27	37%
Geregu_2	435	225	52%	129	58%
Geregu_1	435	97	22%	76	78%
Omosho_1	335	190	57%	161	85%
Olorunsogo_1	335	182	54%	168	92%
Ibom power_1	190	28	15%	13	48%
Rivers_1	180	48	26%	30	63%
Omoku_1	150	47	31%	47	100%
Trans Amadi_1	100	1	1%	1	100%
Ikeja_1	110	107	97%	90	84%
Igbafo_1	45	19	43%	20	100%
Dadin-Kowa_1	40	39	98%	36	93%
Grid Total	13,625	5,257	39%	4,192	80%

Largest energy producers - November 2024



Plant Availability Factor

Load Factor

* The nomenclature of generating plants in the NESI have been revised pursuant to Order-NERC/2024/002. The old and new names are contained in page two (2) of this factsheet.