



Operational Performance of Power Plants

Energy Generation

28

Grid-Connected Plants

36% ▼1%

Plant Availability Factor

4,854MW ▼1%

Average Available Capacity

4,150MWh/h ▼1%

Average Hourly Generation

▲▼ – Relative change compared to previous month (July 2024)

Grid Performance

	Target	Actual
Grid Frequency	upper 50.25Hz	50.73Hz ▲1%
	lower 49.75Hz	49.63Hz ▼1%
Grid Voltage	upper 346.50kV	353.52kV ▲2%
	lower 313.50kV	299.06kV ▼5%

▲▼ – 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 IV - V	726	55	8%	52	94%
Sapele ST	720	50	7%	31	61%
Olorunsogo NIPP	750	77	10%	46	60%
Omosho NIPP	500	0	0%	0	0%
Alaoji NIPP	500	0	0%	0	0%
Sapele GT NIPP	500	27	5%	13	49%
Ihovbor NIPP	500	16	3%	19	*100%
Geregu NIPP	435	206	47%	137	67%
Geregu	435	165	38%	138	83%
Omosho	335	120	36%	109	91%
Olorunsogo	335	134	40%	130	97%
Ibom Power	190	38	20%	41	*100%
River IPP	180	123	68%	82	67%
Omoku	150	55	37%	66	*100%
Trans Amadi	100	2	2%	3	*100%
Paras	110	101	92%	80	78%
Taopex Energy	45	17	37%	16	95%
Dadin Kowa	40	38	96%	37	97%
Grid Total	13,625	4,854	36%	4,150	85%

Largest energy producers - August 2024



Plant Availability Factor

Load Factor

*Load Factor ≥ 100% occurs in instances where GenCos are directed by the SO to maximise generation output above declared steady state availability to maintain grid stability