



# Operational Performance of Power Plants

## Energy Generation



40% ▼ 1%

Plant Availability Factor

5,397MW ▼ 2%

Average Available Capacity

13,625MW

Installed Capacity

3,906MWh/h ▼ 13%

Average Hourly Generation

28

Grid-Connected Plants

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

## Grid Performance

	Target	Actual
Grid Frequency	upper 50.25Hz	50.23Hz ▼ 0.04%
	lower 49.75Hz	49.54Hz ▼ 0.42%
Grid Voltage	upper 346.50kV	352.55kV ▲ 2%
	lower 313.50kV	295.97kV ▼ 6%

▲▼ - 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	40	5%	29	19%
Sapele ST	720	72	10%	19	26%
Olorunsogo NIPP	750	151	20%	29	19%
Omosho NIPP	500	20	4%	3	13%
Alaoji NIPP	500	0	0%	0	0%
Sapele GT NIPP	500	75	15%	27	36%
Ihovbor NIPP	500	48	10%	6	13%
Geregu NIPP	435	225	52%	43	19%
Geregu	435	166	38%	138	80%
Omosho	335	195	58%	155	79%
Olorunsogo	335	186	55%	163	88%
Ibom Power	190	55	29%	40	74%
River IPP	180	85	47%	52	62%
Omoku	150	40	27%	44	*100%
Trans Amadi	100	2	2%	2	88%
Paras	110	110	100%	98	89%
Taopex Energy	45	19	43%	16	84%
Dadin Kowa	40	40	100%	26	64%
<b>Grid Total</b>	<b>13,625</b>	<b>5,397</b>	<b>40%</b>	<b>3,906</b>	<b>72%</b>

\* 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

## Largest energy producers - October 2024



Plant Availability Factor

Load Factor