



# Operational Performance of Power Plants

## Energy Generation

**28**

Grid-Connected Plants

**37% ▲ 4%**

Plant Availability Factor

**4,915MW ▲ 12%**

Average Available Capacity

**4,199MWh/h ▲ 10%**

Average Hourly Generation

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

## Grid Performance

	Target	Actual
<b>Grid Frequency</b>	upper 50.25Hz	50.73Hz ▲ 1%
	lower 49.75Hz	49.40Hz ▼ 1%
<b>Grid Voltage</b>	upper 346.50kV	354.65kV ▲ 2%
	lower 313.50kV	299.55kV ▼ 4%

▲ ▼ – 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	45	6%	49	*100%
Sapele ST	720	98	14%	81	82%
Olorunsogo NIPP	690	75	11%	59	79%
Omosho NIPP	500	11	2%	0	0%
Alaoji NIPP	472	0	0%	0	0%
Sapele GT NIPP	452	0	0%	0	0%
Ihovbor NIPP	450	44	10%	32	72%
Geregu NIPP	435	124	29%	97	78%
Geregu	435	85	20%	84	99%
Omosho	304	106	35%	102	96%
Olorunsogo	304	116	38%	126	*100%
Ibom Power	191	63	33%	57	91%
River IPP	180	113	63%	88	78%
Omoku	150	53	35%	67	*100%
Trans Amadi	100	9	9%	11	*100%
Paras	96	81	84%	72	89%
Taopex Energy	60	14	24%	16	*100%
Dadin Kowa	40	30	75%	29	98%
<b>Grid Total</b>	<b>13,371</b>	<b>4,915</b>	<b>37%</b>	<b>4,199</b>	<b>85%</b>

## Largest energy producers - July 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