



# Operational Performance of Power Plants

## Energy Generation



41% ▲5%

Plant Availability Factor

5,533MW ▲14%

Average Available Capacity

13,625MW

Installed Capacity

4,492MWh/h ▲8%

Average Hourly Generation

28

Grid-Connected Plants

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

## Grid Performance

	Target	Actual
Grid Frequency	upper 50.25Hz	50.80Hz ▲1%
	lower 49.75Hz	49.65Hz ▼1%
Grid Voltage	upper 346.50kV	349.87kV ▲1%
	lower 313.50kV	303.30kV ▼3%

▲▼ - 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	63	9%	49	78%
Sapele ST	720	97	13%	36	38%
Olorunsogo NIPP	750	128	17%	47	37%
Omosho NIPP	500	15	3%	5	34%
Alaoji NIPP	500	0	0%	0	0%
Sapele GT NIPP	500	41	8%	23	56%
Ihovbor NIPP	500	73	15%	22	31%
Geregu NIPP	435	226	52%	70	31%
Geregu	435	173	40%	138	80%
Omosho	335	212	63%	180	85%
Olorunsogo	335	188	56%	175	93%
Ibom Power	190	53	28%	33	62%
River IPP	180	113	63%	56	49%
Omoku	150	55	37%	56	*100%
Trans Amadi	100	4	4%	8	*100%
Paras	110	110	100%	108	98%
Taopex Energy	45	18	40%	22	*100%
Dadin Kowa	40	39	98%	39	*100%
<b>Grid Total</b>	<b>13,625</b>	<b>5,533</b>	<b>41%</b>	<b>4,492</b>	<b>81%</b>

## Largest energy producers - September 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