



Operational Performance of Power Plants

Energy Generation

28

Grid-Connected Plants

34% – 0%

Plant Availability Factor

4,574MW ▲ 9%

Total Available Capacity

3,171GWh ▲ 12%

Total Energy Generated

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

Grid Performance

	Target	Actual
Grid Frequency	upper 50.25Hz	51.06Hz ▲ 2%
	lower 49.75Hz	49.23Hz ▼ 1%
Grid Voltage	upper 346.50kV	355.29kV ▲ 3%
	lower 313.50kV	307.93kV ▼ 2%

*▲▼ – Percentage deviation from target

Other Grid Connected Plants

Plant	Installed Capacity (MW)	Average Available Capacity (MW)	Plant Availability Factor (%)	Total Generation (GWh)	Load Factor (%)
Afam IV - V	726	13	2%	8	81%
Sapele ST	720	100	14%	68	91%
Olorunsogo NIPP	690	13	2%	8	87%
Omosho NIPP	500	0	0%	0	0%
Okpai	480	160	33%	98	82%
Alaoji NIPP	472	0	0%	0	0%
Sapele GT NIPP	452	0	0%	0	0%
Ihovbor NIPP	450	0	0%	0	0%
Geregu	435	107	25%	76	95%
Omosho	304	90	29%	70	100%
Olorunsogo	304	91	30%	67	99%
Ibom Power	191	109	57%	51	62%
River IPP	180	117	65%	76	87%
Omoku	150	48	32%	48	100%
Trans Amadi	100	15	15%	14	100%
Paras	96	94	98%	68	97%
Taopex Energy	60	15	24%	8	78%
Dadin Kowa	40	0	0%	0	0%
Grid Total	13,371	4,574	34%	3,171	93%

Largest energy producers -May 2024

