



# Operational Performance of Power Plants

## Energy Generation



39% ▼1%

Plant Availability Factor

5,329MW ▼2%

Average Available Capacity

13,625MW

Installed Capacity

4,842MWh/h ▲1%

Average Hourly Generation

28

Grid-Connected Plants

▲▼ - Relative change compared to previous month (February 2025)

## Grid Performance

	Limit	Actual
Grid Frequency	upper 50.25Hz	50.79Hz ▲1%
	lower 49.75Hz	49.13Hz ▼1%
Grid Voltage	upper 346.50kV	346.26kV ✓
	lower 313.50kV	298.48kV ▼5%

▲▼ - Percentage deviation from limit ✓ - Performance within limit

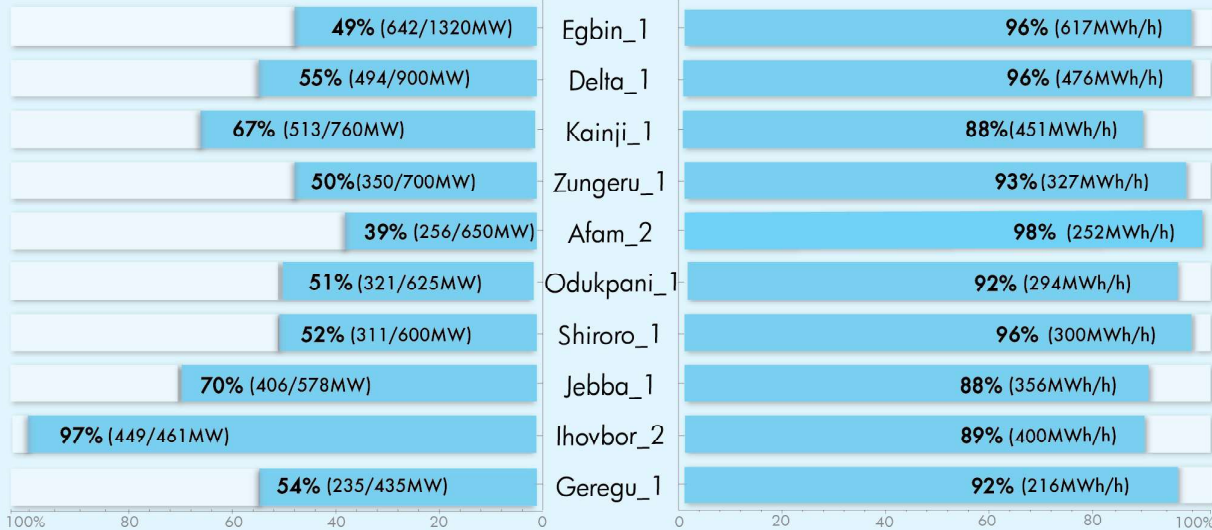
## Other Grid Connected Plants

Plant	Installed Capacity (MW)	Average Available Capacity (MW)	Plant Availability Factor (%)*	Average Hourly Generation (MWh/h)	Load Factor (%)**
Olorunsogo_2	750	0	0%	0	0%
Afam_1	726	90	12%	86	96%
Sapele Steam_1	720	52	7%	23	44%
Sapele_2	500	106	21%	81	76%
Alaoji_1	500	0	0%	0	0%
Omosho_2	500	51	10%	21	41%
Ihovbor_1	500	33	7%	18	53%
Okpai_1	480	243	51%	201	83%
Geregu_2	435	225	52%	183	81%
Omosho_1	335	141	42%	128	90%
Olorunsogo_1	335	153	46%	145	95%
Ibom power_1	190	28	15%	33	100%
Rivers_1	180	42	23%	38	90%
Omoku_1	150	39	26%	42	100%
Ikeja_1	110	110	100%	107	98%
Trans Amadi_1	100	4	4%	8	100%
Igbafo_1	45	20	45%	25	100%
Dadin-Kowa_1	40	16	40%	16	100%
<b>Grid Total</b>	<b>13,625</b>	<b>5,329</b>	<b>39%</b>	<b>4,842</b>	<b>91%</b>

\*Plant availability factor is the ratio of the maximum rated output of the plant declared by the operator relative to the maximum rated output specified by the manufacturer

\*\*The load factor is the ratio of the average electricity generated over a period to the maximum possible generation

## Largest Energy Producers - March 2025



Plant Availability Factor

Load Factor