



# Operational Performance of Power Plants

## Energy Generation



39% ▲1%

Plant Availability Factor

5,339MW ▲2%

Average Available Capacity

13,625MW

Installed Capacity

4,681MWh/h ▲3%

Average Hourly Generation

28

Grid-Connected Plants

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

## Grid Performance

	Target	Actual
<b>Grid Frequency</b>	upper 50.25Hz	50.71Hz ▲1%
	lower 49.75Hz	49.42Hz ▼1%
<b>Grid Voltage</b>	upper 346.50kV	348.10kV ▲1%
	lower 313.50kV	296.03kV ▼6%

▲▼ - Percentage deviation from target

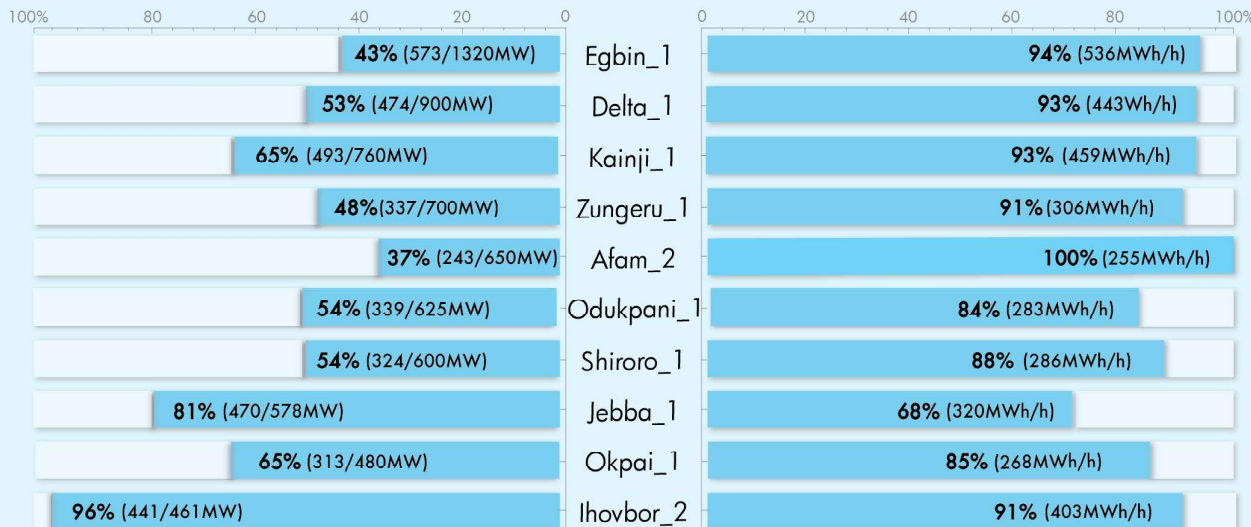
## Other Grid Connected Plants

Plant	Installed Capacity (MW)	Average Available Capacity (MW)	Plant Availability Factor (%)*	Average Hourly Generation (MWh/h)	Load Factor (%)**
Olorunsogo_2	750	74	10%	18	24%
Afam_1	726	55	8%	57	100%
Sapele Steam_1	720	37	5%	28	77%
Sapele_2	500	95	19%	73	76%
Alaoji_1	500	0	0%	0	0%
Omosho_2	500	60	12%	46	78%
Ihovbor_1	500	74	15%	28	38%
Geregu_1	435	92	21%	81	87%
Geregu_2	435	225	52%	201	89%
Omosho_1	335	181	54%	162	89%
Olorunsogo_1	335	169	50%	160	95%
Ibom power_1	190	22	12%	20	88%
Rivers_1	180	46	26%	58	100%
Omoku_1	150	52	34%	48	92%
Ikeja_1	110	109	99%	100	91%
Trans Amadi_1	100	3	3%	6	100%
Igbafo_1	45	20	44%	19	99%
Dadin-Kowa_1	40	17	43%	17	100%
<b>Grid Total</b>	<b>13,625</b>	<b>5,339</b>	<b>39%</b>	<b>4,681</b>	<b>88%</b>

\*Plant availability factor is measured as a 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 a measure of the utilisation of a power plant's available capacity, calculated as the ratio of the average electricity generated over a period to the maximum possible generation

## Largest energy producers - January 2025



Plant Availability Factor

Load Factor