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Preface

Statistics PLN 2022 contains information on performances of PT PLN (Persero) and its Subsidiary Companies for Calender Year 2022 as well as the preceding years.

Data are presented in the form of tables with a breakdown for each Province within PLN's Regional and Distribution Offices. Graphics are included to highlight important information.

Constructive comments and feedback are expected for the improvement of the presentation, and will be incorporated in the next publication.

Jakarta, June 2023

PT PLN (Persero)

Summary

1. Generation

Installed Capacity

At the end of Desember 2022 PT PLN (Persero) and Subsidiary Companies owned and operated about 6,314 generating units with total installed capacity of 44,939.88 MW, of which 31,328.92 MW (69.71%) was installed in Java.

The total installed capacity increased 1.07% compared to the end of December 2021.

The total generating plant capacity broken down by type of power plant as follow :

Steam Turbine 20,418.50 MW (29.57%), Combined Cycle 11,764.85 MW (17.04%), Diesel 3,564.63 MW (5.16%), Machine Gas Fired 2,189.23 MW (3.17%), Hydro 3,516.51 MW (5.09%), Micro Hydro and Mini Micro Hydro 80.47 MW (0.12%), Gas Turbine 2,796.82 MW (4.05%), Geothermal 579.26 MW (0.84%), Solar Cell, Wind and Biomass 29.61 MW (0.04%). Total installed capacity included rental and IPP were 69,039.60 MW.

Peak Load*)

The system peak load for the calendar year 2022 was 41,800.90 MW, decreased 2.34% over the previous year. The peak load for the Java Bali system was 24,228.05 MW. This is decrease 6.28% from the previous year.

Energy Production and Purchase

The own and rented energy production through out the year 2022 was 183,819.03 GWh. Of the energy production, 69.72% was produced by PT PLN (Persero) Holding, and 30.28% came from Subsidiary Companies, i.e. PT Indonesia Power, PT PJB, PT PLN Batam.

The total production (including purchase from utilities outside PLN) during the CY 2022 was 308,002.30 GWh. Of this energy production, the energy purchased from other utilities outside PLN amounted 123,665.25 GWh (40.15%). This was increased 17,379.27 GWh or 16.35% over the previous year.

2. Transmission and Distribution

At the end of CY 2022, the total transmission lines was 68,205.81 kmc of which about 6,970.92 kmc was 500 kV, 3,828.11 kmc was 275 kV, 51,395.60 kmc was 150 kV, 5,910.21 kmc was 70 kV and 100.95 kmc was 25 and 30 kV transmission levels. The total length of distribution lines amounted of 1,033,662.09 kmc of which about 430,509.15 kmc was medium voltage lines and 603,152.94 kmc was low voltage lines.

The total capacity of substation transformers operated was 161,367 MVA, increased by 3.46% over the previous year. The total substation transformers was 2,326 unit. This consisted of 84 substation transformers with 500 kV system, 42 substation transformers with 275 kV system, 1,931 substation transformers with 150 kV system, 267 substation transformers with 70 kV system and 2 substation transformers with < 30 kV system.

Total capacity of distribution substation transformers increased by 1.71% to be 65,439 MVA and the total substation transformers increased by 1.45% to be 550,852 units.

*) Peak load of PLN's Power Plant, Rented and IPP

Summary

3. Energy Sales

PLN's total energy during the year 2022 was 273,761.48 GWh. Among group of customers, energy sold to Residential was the major share, consuming 116,095.41 GWh (42.41%) followed by Industry 88,483.30 GWh (32.32%), Commercial 50,532.19 GWh (18.46%), and Others (social, government office building, and public street lighting) 18,650.58 GWh (6.81%).

Total number of customers was 85,636,198 at the end of 2022. This was up 3.75% from the end of 2021.

PLN's average power rate per kWh throughout the CY 2022 was 1.136 Rp/kWh, was increased compared previous year of 1,121 Rp/kWh.

4. Energy Losses

During the CY 2022, energy losses were 8.72%, consisting of 1.92% transmission losses and 6.94% distribution losses. This was increased than the previous year 8.59%.

5. Electrification Ratio

With the growth of total number of residential customers from 75,701,985**) at the end of CY 2021 to 78,327,897 at the end of 2022, the electrification ratio reached around 97,63%.

6. Financial

In CY 2022, total operation revenues reached Rp441,131,943 million out of which electric revenues came to Rp311,057,224, connection fees Rp857,468 million, government electricity subsidy Rp58,831,960, compensation income Rp63,649,821 and other operation revenues Rp6,735,470 million.

Total operation cost amounted Rp386,193,802 million, Operating Profit after subsidies was Rp54,938,141 million, an increase compared to the achievement of operating profit in 2021 which amounted to Rp43,852,882 million.

The total asset amounted to approximately Rp1,638,139,276 million, increased 1.54% from the previous year.

7. Human Resources

By the end of December 2022, the total number of PLN employees was 51,477 employee. Employees productivity was 5,318 MWh/employee and 1,664 customer/employee.

**) Excluded non PLN Customers

Explanation

1. The formulas used in this book are defined as follows.

1.1. The *Capacity Factor* *)

$$\frac{\sum \text{kWh gross production annually}}{\sum \text{kW installed capacity} \times 8.760 \text{ hours}} \times 100\%$$

kWh gross production, is the energy (kWh) generated by the generator before deducting the energy used for own purpose (for auxiliary equipment, station lighting, etc,) or the production of electric energy measured at the generator terminal.

Installed capacity, is the capacity of one generating unit as written on the generator name plate or on the prime mover, which of both is the smaller. Particularly for Gas Turbine Power Plants, the installed capacity is as written on the name plate based on the base-load and not on the peak-load.

1.2. *Load Factor* *)

$$\frac{\sum \text{kWh total production annually}}{\sum \text{kW peak load} \times 8.760 \text{ hours}} \times 100\%$$

kWh total production, is the total kWh produced by the generator of the PLN unit in question plus the kWh received from the other PLN units plus the kWh purchased from outside PLN (if any).

Peak Load, is the highest load over reached by each system in the calendar year in question.

1.3. *Demand Factor*

$$\frac{\sum \text{kW peak load}}{\sum \text{kVA connected} \times \cos \varphi} \times 100\%$$

$$\cos \varphi = 0,8$$

*) Circular Letter of the PLN BOD No. 006/PST/88

Explanation

1.4. Energy Losses

$$\frac{\sum \text{kWh transmission losses} + \sum \text{kWh distribution losses}}{\sum \text{kWh netto production}} \times 100\%$$

kWh netto production is the energy (kWh) generated by the generator, plus the energy (kWh) received from the other PLN Unit, plus the energy (kWh) purchased from outside PLN and rented (if any), minus the energy (kWh) used for central own purpose.

kWh transmission losses is kWh netto production, minus the energy (kWh) used for substation transformer own purpose, minus the energy (kWh) sent to other PLN Unit and outside PLN, minus the energy (kWh) sent to Distribution.

kWh distribution losses is the energy (kWh) sent to Distribution, minus the energy (kWh) used for distribution substation transformer own purpose, minus the energy (kWh) sold.

1.5. SAIDI (*System Average Interruption Duration Index*) **)

$$\frac{\sum (\text{Duration of customers who are blackout} \times \text{Number of customers who are blackout})}{\text{Number of customers}}$$

1.6. SAIFI (*System Average Interruption Frequency Index*) **)

$$\frac{\sum (\text{Number of customers who are blackout})}{\text{Number of customers}}$$

- **) Blackout at distribution lines which are experienced by customers, due to interruption or maintenance at generation as well as transmission lines (Circular of the PLN BOD.
(SE Direksi PLN No. SE.031.E/471/PST/1993).

1.7. SOD (*System Outage Duration*) : $\frac{\text{Interruption duration which cause blackout}}{100 \text{ kmc transmission lines}}$

SOD (System Outage Duration) is a performance indicator of outage duration which cause blackout at services point of transmission lines, measured with hours per 100 kmc.

1.8. SOF (*System Outage Frequency*) : Number of interruption which cause blackout

100 kmc transmission lines

SOF (System Outage Frequency) is a performance indicator of outage number which cause blackout at services point of transmission lines, measured with times per 100 kmc.

2. Data grouping

2.1. Data on generation

In the data on Hydro (Hydro Power Plant/HPP) have been included the data on Mini/micro Hydro Power Plant (MHPP), i.e. hydro power plants with a generating capacity of 1,000 kW and less (Circular letter No. 006/PST/88).

2.2. Data on customers by tariff category

2.2.1. By type of customers

Residential group : i.e. the total of tariff categories S-1, R-1, R-2, and R-3

Business group : i.e. the total of tariff categories B-1, B-2, B-3, T, C and M.

Industrial group : i.e. the total of tariff categories I-1, I-2, I-3, and I-4.

Social group : i.e. total of tariff categories S-2, and S-3.

Government office building group : i.e. the total of tariff categories P-1 and P-2.

Public street lighting group : i.e. tariff categories P-3.

2.2.2. By type of voltage

Low Voltage is total of tariff categories S-1, S-2, R-1, R-2, R-3, B-1, B-2, I-1, I-2, P-1 and P-3.

Medium Voltage is total of tariff categories S-3, B-3, I-3, P-2, Traction (T) and C (Bulk).

High Voltage is tariff categories I-4.

Multipurpose is multipurpose tariff just for special electric power consumer with special demand of quality which could not be included to S, R, B, I, P, T (Traction) and C (Bulk) Category.

Explanation

3. Energy Sold

The energy sold to customer is the energy (kWh) sold to HV (high voltage), MV (medium voltage) and LV (low voltage) customers according to the total kWh, for which the bill is made (TUL III-09).

4. Data status

The year 2022 means one calendar year as from 1 January 2022 to 31 December 2022.

5. Abbreviations

Hydro	: Hydro Power Plant	kmc	: kilometer of circuit
Steam	: Steam Power Plant	MSCF	: 10^3 Standard Cubic Foot (M= 10^3)
Gas Turbine	: Gas Turbine Power Plant	MMSCF	: 10^6 Standard Cubic Foot (MM= 10^6)
Combined Cycle	: Combined Cycle Power Plant	MMBTU	: 10^6 British Thermal Unit (MM= 10^6)
Diesel	: Diesel Power Plant	HSD	: High Speed Diesel Oil
Geothermal	: Geothermal Power Plant	IDO	: Intermediate Diesel Oil
Gas Engine	: Gas Engine Power Plant	MFO	: Marine Fuel Oil
Solar	: Solar Power Plant	SAIDI	: System Average Interruption Duration Index
Wind	: Wind Power Plan	SAIFI	: System Average Interruption Frequency Index
Mini Hydro	: Mini Hydro Power Plant	Dist.	: Distribution
Micro Hydro	: Micro Hydro Power Plant	Gov. Office Building	: Government Office Building
Biomass	: Biomass Power Plant	Publ. Street	: Public Street Lighting
VA	: volt-ampere	PJB	: Java Bali Generation Company
MVA	: mega-volt-ampere	SOD	: System Outage Duration
kW	: kilowatt	SOF	: System Outage Frequency
MW	: megawatt	n.a	: not available
kWh	: kilowatt-hour		
MWh	: megawatt-hour		
GWh	: gigawatt-hour		

British Thermal Unit (BTU) is the amount of heat needed to raise 1 pound of water with 1 degree Fahrenheit at a temperature of 60 degree Fahrenheit at an absolute pressure of 14.7 pound per square inch.

Standard Cubic Foot (SCF) is the amount of gas needed to fill a space of 1 cubic Foot with an absolute pressure of 14.7 pound per square inch at temperature of 60 degree Fahrenheit in a dry condition.

1000 BTU Gas is Gas having a Gross Heating Value of 1,000 BTU per SCF.

Gross Heating Value is the amount of heat expressed in BTU units resulting from the combustion of 1 standard cubic foot of gas, at temperature of 60 degrees Fahrenheit and absolute pressure of 14.7 pounds per square inch, with air at the same temperature and pressure as the gas and after cooling of the combustion result at the initial temperature of the gas and air, the vapour formed in the combustion process is condensed in liquid form.

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Annual Data 2022

Table 1 : Power Balance (MW)

2022

PLN Operational Unit/Province	Installed Capacity*)	Rated Capacity*)	Peak Load
UIW Aceh	163.56	122.59	122.59
UIW North Sumatera	150.62	149.44	142.30
UIW West Sumatera	91.03	61.52	38.29
UIW Riau and Riau Archipelago	595.31	492.66	446.28
- Riau	462.88	389.94	370.18
- Riau Archipelago	132.43	102.72	76.11
UIW South Sumatera, Jambi and Bengkulu	265.83	217.14	139.75
- South Sumatera	124.82	119.06	75.55
- Jambi	51.01	31.40	16.11
- Bengkulu	90.00	66.68	48.10
UIW Bangka Belitung	349.26	307.15	294.76
UID Lampung	52.35	45.59	10.88
UIW West Kalimantan	111.71	82.68	38.49
UIW South and Central Kalimantan	78.05	54.93	35.30
- South Kalimantan	18.58	12.98	17.90
- Central Kalimantan	59.47	41.95	17.40
UIW East and North Kalimantan	76.95	45.43	30.90
UIW North, Central Sulawesi, and Gorontalo	314.07	207.08	173.97
- North Sulawesi	64.89	37.68	26.91
- Gorontalo	22.27	18.87	13.62
- Central Sulawesi	226.90	150.53	133.44
UIW South, Southeast and West Sulawesi	127.13	109.80	99.77
- South Sulawesi	86.77	82.60	78.13
- Southeast Sulawesi	37.59	25.94	21.63
- West Sulawesi	2.77	1.26	0.00
UIW Maluku and North Maluku	661.97	413.80	236.88
- Maluku	519.19	327.35	178.67
- North Maluku	142.77	86.45	58.21
UIW Papua and West Papua	813.24	596.44	565.84
- Papua	217.68	161.30	148.49
- West Papua	595.55	435.14	417.35
UID Bali	4.32	2.58	1.82
UIW West Nusa Tenggara	686.88	601.03	581.40
UIW East Nusa Tenggara	498.81	394.47	311.40
PT PLN Batam	738.29	623.63	645.28
UIK Northern Part of Sumatera	4,267.09	3,264.43	2,919.97
UIK Southern Part of Sumatera	2,839.74	2,435.87	2,081.92
UIP3B Sumatera	3,194.00	2,816.90	2,810.45
UIKL Kalimantan	3,893.24	3,212.34	3,051.85
UIKL Sulawesi	3,070.69	2,747.74	2,740.29
Outside Java	23,044.15	19,005.22	17,520.39
UID East Java	80.16	66.48	63.48
UID Central Java and Yogyakarta	34.73	33.58	8.36
- Central Java	33.95	32.98	7.90
- D.I. Yogyakarta	0.78	0.60	0.46
UID West Java	146.23	146.23	-
UID Banten	16.58	16.26	14.18
UID Jakarta Raya	0.40	0.30	0.18
PT Indonesia Power	9,277.04	8,081.37	6,632.44
PT PJB	7,189.56	6,536.82	5,565.95
PJB Sulawesi	68.04	62.20	51.83
UIP2B	14,284.82	14,264.43	-
UIK Tanjung Jati B	2,840.00	2,643.80	2,707.91
UIK Western Part of Java	5,834.89	5,355.30	4,487.72
UIK Central Part of Java	3,572.00	3,228.00	3,149.85
UIK Eastern Part of Java, Bali and Nusa Tenggara	2,491.00	2,276.00	1,546.15
Java	45,835.45	42,710.76	24,228.05
UIP Sulawesi	100.00	-	-
UIP Southern Part of Sulawesi	10.00	10.00	-
UIP Nusa Tenggara	50.00	-	52.46
Generation Project	160.00	10.00	52.46
Indonesia	69,039.60	61,725.98	41,800.90

*) PLN's Power Plant, Rented and IPP

Annual Data 2022

Table 2 : Energy Balance

PLN Operational Unit/Province	Purchase from Outside PLN	Project (GWh)	Received from Other Unit (GWh)	Own Production (GWh)	Rented (Gwh)	Own Use Central		Netto Production (GWh)	Own Use Sub-station Transformer	
						(GWh)	(%)		(GWh)	(%)
UIW Aceh	113.47	-	3,312.39	132.42	24.06	2.11	1.35	3,580.23	-	-
UIW North Sumatera	858.90	-	13,123.57	5.08	-	-	-	13,987.56	-	-
UIW West Sumatera	258.50	-	3,889.11	22.04	-	0.72	3.27	4,168.93	-	-
UIW Riau and Riau Archipelago	1,861.06	-	6,791.11	500.84	268.79	14.84	1.93	9,406.95	0.72	0,01
UIW South Sumatera, Jambi and Bengkulu	988.38	-	10,064.33	14.52	133.66	-	-	11,200.88	-	-
UIW Bangka Belitung	359.80	0.01	359.48	713.41	189.51	71.84	7.96	1,550.37	1.36	0,09
UID Lampung	59.69	-	6,223.15	1.81	-	-	0.07	6,284.64	-	-
UIW West Kalimantan	34.65	-	3,188.20	110.16	68.71	2.92	1.63	3,398.80	-	-
UIW South and Central Kalimantan	32.31	-	5,225.19	63.70	-	1.03	1.62	5,320.16	-	-
UIW East and North Kalimantan	168.97	-	4,563.97	40.51	3.77	0.78	1.76	4,776.43	-	-
UIW North, Central Sulawesi, and Gorontalo	264.16	1.89	3,659.04	266.29	323.02	7.89	1.34	4,506.51	-	-
UIW South, Southeast and West Sulawesi	453.10	-	9,718.62	36.77	-	1.03	2.79	10,207.47	-	-
UIW Maluku and North Maluku	86.98	-	-	828.44	510.97	36.19	2.70	1,390.20	2.08	0.15
UIW Papua and West Papua	26.81	-	-	1,648.84	479.33	60.29	2.83	2,094.68	0.94	0.04
UID Bali	9.59	-	5,686.26	-	-	-	-	5,695.85	-	-
UIW West Nusa Tenggara	290.26	-	-	2,109.55	320.80	126.48	5.20	2,594.13	1.53	0.06
UIW East Nusa Tenggara	223.19	-	-	804.63	385.63	57.91	4.87	1,355.54	1.56	0.12
PT PLN Batam	2,585.38	-	-	1,061.14	24.29	31.77	2.93	3,639.03	1.58	0.04
UIK Northern Part of Sumatera	381.51	-	72.24	13,568.01	324.82	1,023.78	7.37	13,322.80	-	-
UIK Southern Part of Sumatera	450.61	-	87.81	11,155.24	78.36	791.94	7.05	10,980.09	-	-
UIP3B Sumatera	17,844.74	-	26,280.16	-	-	-	-	44,124.90	31.61	0.07
UIKL Kalimantan	6,790.12	3.06	83.10	6,430.89	502.61	614.88	8.87	13,194.90	10.20	0.08
UIKL Sulawesi	7,877.29	251.72	178.22	5,020.19	684.21	357.88	6.27	13,653.76	10.61	0.08
Outside Java	42,019.47	256.67	-	44,534.46	4,322.53	3,204.28	6.56	87,928.85	62.19	0.07
UID East Java	45.86	-	42,873.56	146.02	0.98	4.03	2.74	43,062.40	-	-
UID Central Java and Yogyakarta	146.37	-	32,797.80	-	-	-	-	32,944.17	-	-
UID West Java	575.71	-	59,633.99	-	-	-	-	60,209.70	-	-
UID Banten	75.51	-	29,491.75	1.06	-	-	-	29,568.32	-	-
UID Jakarta Raya	-	-	37,488.52	0.24	-	-	-	37,488.76	-	-
PJB Sulawesi	-	3.19	(4.08)	37,510.12	-	1,574.78	4.20	35,934.45	-	-
PT Indonesia Power	-	-	(2.26)	17,001.27	-	683.64	4.02	16,315.38	-	-
PT PJB	-	-	-	63.04	-	1.19	1.89	61.84	-	-
UIP2B	80,799.13	261.36	127,885.92	-	-	-	-	208,946.40	107.50	0.05
UIK Tanjung Jati B	-	-	18.05	20,544.36	-	1,293.93	6.30	19,268.48	-	-
UIK Western Part of Java	-	-	181.42	26,942.53	-	1,381.53	5.13	25,742.42	-	-
UIK Central Part of Java	-	-	96.18	20,228.46	-	1,281.49	6.34	19,043.15	-	-
UIK Eastern Part of Java, Bali and Nusa Tenggara	-	-	47.50	12,523.94	-	747.24	5.97	11,824.20	-	-
Java	81,642.58	264.55	-	134,961.06	0.98	6,967.84	5.16	209,901.33	107.50	0.05

^{a) Included Non PLN}

Transmission Losses		Send Other Unit*	Send to Distribution (GWh)	Own Use								Energy Losses & Own Use		Energy Consumption	
				Distr. Substation		Distr. Losses		Energy Losses							
(GWh)	(%)			(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)
-	-	128.51	3,451.73	48.19	1.35	305.41	8.85	305.41	8.53	353.60	9.88	3,098.13	86.53		
-	-	874.15	13,113.40	88.72	0.63	1,159.54	8.84	1,159.54	8.29	1,248.25	8.92	11,865.15	84.83		
-	-	336.72	3,832.21	24.53	0.59	227.01	5.92	227.01	5.45	251.54	6.03	3,580.66	85.89		
9.09	0.10	177.90	9,219.24	47.82	0.51	617.90	6.70	626.99	6.67	674.81	7.17	8,553.52	90.93		
-	-	938.24	10,262.64	90.51	0.81	1,141.40	11.12	1,141.40	10.19	1,231.92	11.00	9,030.73	80.63		
12.87	0.83	0.01	1,536.13	10.02	0.65	97.77	6.36	110.64	7.14	120.66	7.78	1,428.34	92.13		
-	-	71.03	6,213.61	43.60	0.69	869.70	14.00	869.70	13.84	913.29	14.53	5,300.32	84.34		
-	-	27.90	3,370.90	21.39	0.63	355.07	10.53	355.07	10.45	376.46	11.08	2,994.44	88.10		
-	-	0.01	5,320.16	29.11	0.55	402.54	7.57	402.54	7.57	431.65	8.11	4,888.50	91.89		
-	-	66.68	4,709.74	30.39	0.64	315.04	6.69	315.04	6.60	345.43	7.23	4,364.31	91.37		
-	-	31.72	4,474.79	30.73	0.68	469.98	10.50	469.98	10.43	500.71	11.11	3,974.08	88.19		
-	-	90.53	10,116.95	54.23	0.53	666.09	6.58	666.09	6.53	720.32	7.06	9,396.63	92.06		
2.55	0.18	-	1,385.57	12.17	0.88	117.20	8.46	119.75	8.61	131.92	9.49	1,256.20	90.36		
4.57	0.22	-	2,089.16	15.44	0.74	199.81	9.56	204.39	9.76	219.82	10.49	1,873.91	89.46		
-	-	-	5,695.85	27.60	0.48	297.30	5.22	297.30	5.22	324.90	5.70	5,370.95	94.30		
29.26	1.13	1.69	2,561.65	32.10	1.24	217.48	8.49	246.74	9.51	278.85	10.75	2,312.06	89.13		
21.42	1.58	-	1,332.56	12.43	0.92	129.92	9.75	151.33	11.16	163.76	12.08	1,190.22	87.80		
5.81	0.16	580.06	3,051.58	4.15	0.11	104.26	3.42	110.07	3.02	114.22	3.14	2,943.17	80.88		
-	-	13,322.80	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	10,980.09	-	-	-	-	-	-	-	-	-	-	-	-	-
1,255.55	2.85	42,837.74	-	-	-	-	-	-	1,255.55	2.85	1,255.55	2.85	-	-	-
216.24	1.64	12,968.46	-	-	-	-	-	-	216.24	1.64	216.24	1.64	-	-	-
126.77	0.93	13,390.58	125.80	-	-	125.80	100.00	252.57	1.85	252.57	1.85	-	-	-	-
1,684.13	1.92	96,824.83	91,863.67	623.12	0.71	7,819.23	8.51	9,503.36	10.81	10,126.48	11.52	83,421.32	94.87		
-	-	-	43,062.40	279.05	0.65	2,763.59	6.42	2,763.59	6.42	3,042.64	7.07	40,019.76	92.93		
-	-	0.39	32,943.78	122.50	0.37	2,312.82	7.02	2,312.82	7.02	2,435.32	7.39	30,508.46	92.61		
-	-	449.93	59,759.76	315.44	0.52	3,916.95	6.55	3,916.95	6.51	4,232.39	7.03	55,527.38	92.22		
-	-	1,751.09	27,817.24	139.39	0.47	1,252.87	4.50	1,252.87	4.24	1,392.25	4.71	26,424.98	89.37		
-	-	1,155.08	36,333.68	213.33	0.57	2,170.64	5.97	2,170.64	5.79	2,383.97	6.36	33,949.72	90.56		
-	-	35,934.45	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	16,315.38	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	61.84	-	-	-	-	-	-	-	-	-	-	-	-	-
4,042.41	1.93	204,796.49	-	-	-	-	-	4,042.41	1.93	4,042.41	1.93	-	-	-	-
-	-	19,268.48	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	25,742.42	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	19,043.15	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	11,824.20	-	-	-	-	-	-	-	-	-	-	-	-	-
4,042.41	1.93	336,342.90	199,916.87	1,069.71	0.51	12,416.86	6.21	16,459.27	7.84	17,528.98	8.35	186,430.30	88.82		

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Table 3 : Load Factor, Capacity Factor and Demand Factor

2022

PLN Operational Unit/ Province	Load Factor (%)	Capacity Factor (%)	Demand Factor (%)
UIW Aceh	25.14	18.84	7.54
UIW North Sumatera	69.31	65.48	2.50
UIW West Sumatera	83.63	35.18	2.06
UIW Riau and Riau Archipelago	67.29	50.45	12.02
UIW South Sumatera, Jambi, and Bengkulu	92.84	48.81	2.88
UIW Bangka Belitung	48.90	41.27	34.46
UID Lampung	64.54	13.41	0.39
UIW West Kalimantan	63.33	21.82	2.27
UIW South and Central Kalimantan	31.05	14.04	1.41
UIW East and North Kalimantan	78.79	31.63	1.37
UIW North, Central Sulawesi and Gorontalo	56.00	31.02	7.70
UIW South, Southeast and West Sulawesi	56.05	43.99	2.04
UIW Maluku and North Maluku	68.74	24.60	29.03
UIW Papua and West Papua	43.48	30.25	46.20
UID Bali	60.04	25.34	0.05
UIW West Nusa Tenggara	53.42	45.21	36.23
UIW East Nusa Tenggara	51.81	32.35	26.78
PT PLN Batam	64.94	56.76	47.45
UIK Northern Part of Sumatera	55.81	38.19	-
UIK Southern Part of Sumatera	64.07	46.97	-
UIP3B Sumatera	72.48	63.78	-
UIKL Kalimantan	51.33	40.24	-
UIKL Sulawesi	56.58	50.49	-
Outside Java	59.21	45.02	39.32
UID East Java	34.68	27.47	0.33
UID Central Java and Yogyakarta	199.93	48.11	0.06
UID West Java	-	44.94	-
UID Banten	61.65	52.71	0.14
UID Jakarta Raya	14.86	6.78	-
PT Indonesia Power	64.57	46.16	-
PT PJB	34.87	26.99	-
PJB Sulawesi	13.88	10.58	-
UIP2B	-	64.57	-
UIK Tanjung Jati B	86.61	82.58	-
UIK Western Part of Java	68.53	52.71	-
UIK Central Part of Java	73.31	64.65	-
UIK Eastern Part of Java, Bali and Nusa Tenggara	92.47	57.39	-
Java	102.06	53.95	28.53
Generation Project	112.73	36.96	-
Indonesia	84.11	50.93	32.28

Table 4 : Number of Customers by Type of Customers**2022**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UIW Aceh	1,436,434	4,106	155,509	53,024	12,707	2,848	1,664,628	1.94
UIW North Sumatera	4,029,877	4,893	157,710	79,050	11,301	17,885	4,300,716	5.02
UIW West Sumatera	1,399,809	709	176,992	39,915	6,794	4,486	1,628,705	1.90
UIW Riau and Riau Archipelago	2,123,654	768	207,864	48,353	9,355	6,316	2,396,310	2.80
- Riau	1,842,357	633	177,956	42,115	6,859	4,710	2,074,630	2.42
- Riau Archipelago	281,297	135	29,908	6,238	2,496	1,606	321,680	0.38
UIW South Sumatera, Jambi and Bengkulu	3,855,176	3,429	146,397	82,988	15,494	12,449	4,115,933	4.81
- South Sumatera	2,240,385	2,508	69,953	45,067	7,466	7,199	2,372,578	2.77
- Jambi	1,023,238	738	55,537	24,436	4,795	4,160	1,112,904	1.30
- Bengkulu	591,553	183	20,907	13,485	3,233	1,090	630,451	0.74
UIW Bangka Belitung	482,935	770	37,619	9,119	3,408	2,591	536,442	0.63
UID Lampung	2,353,673	8,089	104,524	65,658	4,990	2,765	2,539,699	2.97
UIW West Kalimantan	1,312,056	646	79,426	29,228	5,400	4,212	1,430,968	1.67
UIW South and Central Kalimantan	1,969,904	1,077	135,982	62,366	11,376	6,218	2,186,923	2.55
- South Kalimantan	1,294,105	779	68,815	41,888	6,025	4,450	1,416,062	1.65
- Central Kalimantan	675,799	298	67,167	20,478	5,351	1,768	770,861	0.90
UIW East and North Kalimantan	1,285,217	638	84,833	27,549	7,071	3,438	1,408,746	1.65
UIW North, Central Sulawesi and Gorontalo	1,843,794	1,062	64,797	56,460	13,054	3,294	1,982,461	2.31
- North Sulawesi	730,420	513	28,596	16,720	5,773	1,601	783,623	0.92
- Gorontalo	314,008	161	9,773	7,804	2,317	558	334,621	0.39
- Central Sulawesi	799,366	388	26,428	31,936	4,964	1,135	864,217	1.01
UIW South, Southeast and West Sulawesi	3,447,408	4,282	158,317	68,890	18,383	6,294	3,703,574	4.32
- South Sulawesi	2,446,619	3,460	113,554	45,277	10,407	4,400	2,623,717	3.06
- Southeast Sulawesi	685,497	626	32,056	15,703	5,989	1,613	741,484	0.87
- West Sulawesi	315,292	196	12,707	7,910	1,987	281	338,373	0.40
UIW Maluku and North Maluku	690,591	148	29,164	16,906	6,058	1,320	744,187	0.87
- Maluku	290,860	83	14,859	6,422	2,482	341	315,047	0.37
- North Maluku	399,731	65	14,305	10,484	3,576	979	429,140	0.50
UIW Papua and West Papua	709,980	157	53,600	18,973	7,862	1,700	792,272	0.93
- Papua	467,304	118	36,346	12,206	4,580	909	521,463	0.61
- West Papua	242,676	39	17,254	6,767	3,282	791	270,809	0.32
UID Bali	1,343,247	1,303	232,586	42,884	4,401	6,107	1,630,528	1.90
UIW West Nusa Tenggara	1,696,435	570	46,279	31,506	4,848	3,076	1,782,714	2.08
UIW East Nusa Tenggara	1,036,252	336	35,715	23,247	7,827	793	1,104,170	1.29
PT PLN Batam	302,373	378	49,130	4,128	457	1,207	357,673	0.42
Outside Java	31,318,815	33,361	1,956,444	760,244	150,786	86,999	34,306,649	40.06
UID East Java	11,979,040	100,506	739,600	361,662	24,494	69,831	13,275,133	15.50
UID Central Java and Yogyakarta	11,804,460	15,684	605,561	332,860	29,890	63,165	12,851,620	15.01
- Central Java	10,509,675	14,863	537,000	299,170	26,071	51,326	11,438,105	13.36
- D.I. Yogyakarta	1,294,785	821	68,561	33,690	3,819	11,839	1,413,515	1.65
UID West Java	15,053,623	17,024	778,232	347,009	20,372	94,041	16,310,301	19.05
UID Banten	3,501,321	7,138	236,361	70,835	4,218	8,204	3,828,077	4.47
UID Jakarta Raya	4,670,638	5,840	324,387	48,005	6,869	8,679	5,064,418	5.91
Java	47,009,082	146,192	2,684,141	1,160,371	85,843	243,920	51,329,549	59.94
Indonesia	78,327,897	179,553	4,640,585	1,920,615	236,629	330,919	85,636,198	100.00
(%)	91.47	0.21	5.42	2.24	0.28	0.39	100	

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Table 5 : Connected Capacity by Type of Customers (MVA)

2022

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UIW Aceh	1,189.70	145.43	408.40	162.22	89.56	37.28	2,032.59	1.26
UIW North Sumatera	3,971.20	1,383.97	1,208.58	336.94	110.10	101.95	7,112.75	4.39
UIW West Sumatera	1,326.33	296.03	478.67	132.90	64.66	23.46	2,322.03	1.43
UIW Riau and Riau Archipelago	2,588.61	668.59	986.02	224.46	123.81	48.14	4,639.63	2.87
- Riau	2,192.52	646.41	799.94	189.82	88.65	38.70	3,956.04	2.44
- Riau Archipelago	396.09	22.19	186.08	34.63	35.16	9.44	683.59	0.42
UIW South Sumatera, Jambi and Bengkulu	3,980.55	621.06	973.38	280.04	149.48	59.81	6,064.32	3.75
- South Sumatera	2,261.11	460.67	604.57	167.45	86.31	36.57	3,616.69	2.23
- Jambi	1,171.23	110.12	272.00	76.07	39.06	17.32	1,685.79	1.04
- Bengkulu	548.21	50.27	96.81	36.52	24.11	5.92	761.84	0.47
UIW Bangka Belitung	590.81	189.30	193.33	55.11	32.37	8.19	1,069.11	0.66
UID Lampung	2,211.26	579.98	492.32	166.04	56.20	22.93	3,528.73	2.18
UIW West Kalimantan	1,341.73	154.23	422.75	117.43	66.34	20.96	2,123.45	1.31
UIW South and Central Kalimantan	1,864.72	332.37	597.40	186.49	114.37	34.80	3,130.15	1.93
- South Kalimantan	1,166.65	259.66	383.22	122.52	64.58	25.06	2,021.70	1.25
- Central Kalimantan	698.07	72.71	214.18	63.97	49.79	9.74	1,108.45	0.68
UIW East and North Kalimantan	1,655.94	177.29	666.61	162.41	139.91	21.31	2,823.47	1.74
UIW North, Central Sulawesi and Gorontalo	1,735.88	271.43	502.24	166.59	117.29	29.56	2,822.99	1.74
- North Sulawesi	732.69	150.14	289.47	77.30	43.29	10.57	1,303.46	0.81
- Gorontalo	267.34	52.88	62.61	26.14	28.77	4.55	442.28	0.27
- Central Sulawesi	735.85	68.41	150.16	63.16	45.23	14.45	1,077.25	0.67
UIW South, Southeast and West Sulawesi	3,610.96	911.77	1,015.52	337.42	171.57	59.93	6,107.19	3.77
- South Sulawesi	2,532.96	823.04	803.64	259.00	110.40	47.55	4,576.59	2.83
- Southeast Sulawesi	747.09	65.51	165.31	53.38	41.09	9.63	1,082.02	0.67
- West Sulawesi	330.92	23.22	46.58	25.04	20.09	2.75	448.59	0.28
UIW Maluku and North Maluku	704.02	11.17	182.79	58.63	56.81	6.51	1,019.94	0.63
- Maluku	303.48	4.46	101.29	31.91	32.07	2.36	475.57	0.29
- North Maluku	400.55	6.71	81.50	26.72	24.75	4.15	544.37	0.34
UIW Papua and West Papua	950.41	17.27	337.31	97.60	120.43	7.89	1,530.92	0.95
- Papua	633.76	8.99	227.14	61.99	74.22	5.70	1,011.80	0.63
- West Papua	316.65	8.29	110.17	35.61	46.22	2.19	519.12	0.32
UID Bali	2,056.18	112.88	1,752.16	178.83	79.69	33.57	4,213.32	2.60
UIW West Nusa Tenggara	1,428.35	113.24	318.24	88.93	41.06	16.18	2,006.00	1.24
UIW East Nusa Tenggara	1,059.21	35.85	210.58	88.18	53.20	6.24	1,453.25	0.90
PT PLN Batam	625.58	381.35	598.54	56.18	27.90	10.52	1,700.07	1.05
Outside Java	32,891.45	6,403.23	11,344.85	2,896.39	1,614.77	549.23	55,699.92	34.41
UID East Java	10,635.13	7,284.77	4,080.70	1,156.33	356.12	253.96	23,767.01	14.68
UID Central Java and Yogyakarta	9,920.70	3,755.26	3,290.91	1,125.09	310.84	202.78	18,605.58	11.49
- Central Java	8,570.72	3,623.20	2,754.88	919.43	247.30	176.28	16,291.80	10.07
- D.I. Yogyakarta	1,349.98	132.06	536.03	205.66	63.54	26.51	2,313.78	1.43
UID West Java	14,322.60	9,149.54	5,140.38	1,039.86	402.47	142.06	30,196.90	18.66
UID Banten	3,744.67	6,232.30	2,269.28	274.49	133.29	48.51	12,702.55	7.85
UID Jakarta Raya	8,908.77	1,889.18	7,991.63	990.11	973.92	135.97	20,889.58	12.91
Java	47,531.86	28,311.06	22,772.89	4,585.89	2,176.63	783.28	106,161.62	65.59
Indonesia	80,423.31	34,714.29	34,117.75	7,482.28	3,791.40	1,332.51	161,861.54	100.00
(%)	49.69	21.45	21.08	4.62	2.34	0.82	100.00	

Table 6 : Energy Sold by Type of Customers (GWh)**2022**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UIW Aceh	1,895.07	228.77	558.37	228.92	109.78	133.11	3,154.01	1.15
UIW North Sumatera	6,025.69	3,152.63	1,808.45	501.49	152.05	419.50	12,059.81	4.41
UIW West Sumatera	1,791.64	827.73	639.01	192.18	82.58	97.30	3,630.43	1.33
UIW Riau and Riau Archipelago	3,507.15	3,000.53	1,538.11	301.67	156.61	134.12	8,638.19	3.16
- Riau	3,007.32	2,960.77	1,236.21	260.79	115.41	111.14	7,691.64	2.81
- Riau Archipelago	499.83	39.76	301.90	40.88	41.20	22.98	946.55	0.35
UIW South Sumatera, Jambi and Bengkulu	5,483.35	1,331.82	1,607.35	382.18	198.03	197.66	9,200.39	3.36
- South Sumatera	3,295.08	1,067.48	1,017.77	234.75	116.00	147.23	5,878.31	2.15
- Jambi	1,421.85	182.54	437.41	101.31	50.96	40.79	2,234.86	0.82
- Bengkulu	766.42	81.81	152.18	46.12	31.06	9.64	1,087.22	0.40
UIW Bangka Belitung	766.15	393.27	225.85	54.55	35.77	8.54	1,484.13	0.54
UID Lampung	3,049.64	1,172.18	738.96	222.30	72.64	126.75	5,382.48	1.97
UIW West Kalimantan	1,906.59	233.04	625.63	136.33	85.26	47.99	3,034.85	1.11
UIW South and Central Kalimantan	2,856.24	749.50	911.90	231.86	148.81	88.84	4,987.15	1.82
- South Kalimantan	1,846.17	560.89	589.15	154.88	84.05	63.73	3,298.88	1.21
- Central Kalimantan	1,010.07	188.61	322.75	76.98	64.76	25.11	1,688.28	0.62
UIW East and North Kalimantan	2,486.11	454.56	1,091.99	212.35	180.92	53.38	4,479.30	1.64
UIW North, Central Sulawesi and Gorontalo	2,334.90	543.28	741.85	198.56	148.06	93.85	4,060.49	1.48
- North Sulawesi	960.20	394.48	428.72	91.66	50.92	40.07	1,966.05	0.72
- Gorontalo	417.10	68.82	102.44	34.59	40.22	10.88	674.05	0.25
- Central Sulawesi	957.59	79.98	210.68	72.30	56.93	42.90	1,420.38	0.52
UIW South, Southeast and West Sulawesi	4,426.32	2,802.53	1,518.70	403.62	231.82	157.75	9,540.75	3.49
- South Sulawesi	3,323.67	2,691.79	1,222.87	324.28	163.54	130.47	7,856.64	2.87
- Southeast Sulawesi	794.11	68.11	231.58	54.50	45.90	19.70	1,213.90	0.44
- West Sulawesi	308.54	42.63	64.24	24.84	22.38	7.58	470.21	0.17
UIW Maluku and North Maluku	809.53	20.51	272.74	69.63	89.03	17.99	1,279.42	0.47
- Maluku	352.87	11.64	148.59	36.40	49.96	7.64	607.10	0.22
- North Maluku	456.66	8.88	124.15	33.22	39.07	10.35	672.32	0.25
UIW Papua and West Papua	1,123.05	22.65	481.98	113.68	142.13	18.50	1,901.98	0.69
- Papua	754.32	12.18	330.01	77.01	94.70	12.30	1,280.52	0.47
- West Papua	368.73	10.46	151.98	36.67	47.43	6.20	621.46	0.23
UID Bali	2,473.52	194.67	2,431.11	186.28	119.27	65.66	5,470.51	2.00
UIW West Nusa Tenggara	1,495.97	200.45	446.78	110.13	50.50	55.48	2,359.31	0.86
UIW East Nusa Tenggara	759.36	28.31	270.56	78.15	52.75	17.77	1,206.91	0.44
PT PLN Batam	922.69	874.53	1,011.71	79.77	39.46	15.01	2,943.17	1.08
Outside Java	44,112.96	16,230.96	16,921.04	3,703.65	2,095.45	1,749.21	84,813.27	30.98
UID East Java	15,462.12	17,032.15	5,454.49	1,541.15	455.27	601.69	40,546.88	14.81
UID Central Java and Yogyakarta	14,774.93	9,055.57	4,599.50	1,527.45	380.40	553.41	30,891.25	11.28
- Central Java	12,961.71	8,778.30	3,789.54	1,239.73	304.65	490.70	27,564.64	10.07
- D.I. Yogyakarta	1,813.22	277.27	809.96	287.71	75.74	62.70	3,326.61	1.22
UID West Java	20,871.52	25,419.11	7,610.34	1,422.88	503.81	398.45	56,226.11	20.54
UID Banten	6,049.89	16,605.16	3,407.59	395.19	163.58	84.26	26,705.67	9.76
UID Jakarta Raya	14,824.00	4,140.34	12,539.23	1,482.92	1,396.61	195.20	34,578.29	12.63
Java	71,982.45	72,252.34	33,611.15	6,369.58	2,899.67	1,833.02	188,948.21	69.02
Indonesia	116,095.41	88,483.30	50,532.19	10,073.23	4,995.12	3,582.23	273,761.48	100.00
(%)	42.41	32.32	18.46	3.68	1.82	1.31	100.00	

Annual Data 2022

Table 7 : Revenue by Type of Customers (million Rp)

2022

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UIW Aceh	1,697,664.77	267,862.28	653,894.14	179,746.35	161,312.50	209,380.26	3,169,860.30	1.02
UIW North Sumatera	6,499,775.81	3,575,594.09	2,295,880.11	404,738.49	221,727.01	659,366.61	13,657,082.12	4.39
UIW West Sumatera	1,947,457.33	868,698.85	748,826.77	157,027.49	122,025.54	153,033.72	3,997,069.69	1.28
UIW Riau and Riau Archipelago	4,528,263.22	1,606,534.32	1,895,891.12	259,648.23	231,027.16	210,735.88	8,732,099.94	2.80
- Riau	3,843,132.28	1,562,385.26	1,517,174.90	224,707.49	170,217.87	174,613.16	7,492,230.96	2.41
- Riau Archipelago	685,130.94	44,149.06	378,716.22	34,940.74	60,809.29	36,122.73	1,239,868.98	0.40
UIW South Sumatera, Jambi and Bengkulu	6,297,423.46	1,487,513.47	2,041,744.39	304,522.20	290,344.92	312,944.92	10,734,493.35	3.45
- South Sumatera	3,704,335.36	1,184,861.38	1,296,362.76	191,459.30	169,208.21	233,386.64	6,779,613.65	2.18
- Jambi	1,773,675.88	208,620.15	550,823.81	77,183.36	75,125.41	64,430.01	2,749,858.61	0.88
- Bengkulu	819,412.23	94,031.95	194,557.83	35,879.53	46,011.30	15,128.27	1,205,021.09	0.39
UIW Bangka Belitung	1,008,848.39	466,166.74	290,897.87	48,395.96	53,219.28	13,436.45	1,880,964.69	0.60
UID Lampung	3,089,722.94	1,332,179.22	930,815.60	172,939.48	106,437.21	204,020.10	5,836,114.55	1.87
UIW West Kalimantan	2,107,143.04	266,762.26	788,223.84	110,657.68	125,423.76	75,360.94	3,473,571.51	1.12
UIW South and Central Kalimantan	3,173,715.87	864,514.79	1,136,477.17	182,911.78	220,125.06	139,900.69	5,717,645.35	1.84
- South Kalimantan	1,973,083.14	639,411.71	751,886.08	122,576.38	124,814.94	100,147.90	3,711,920.16	1.19
- Central Kalimantan	1,200,632.73	225,103.08	384,591.08	60,335.40	95,310.11	39,752.79	2,005,725.20	0.64
UIW East and North Kalimantan	3,267,137.25	538,259.25	1,410,265.64	178,956.62	261,850.07	83,947.51	5,740,416.33	1.84
UIW North, Central Sulawesi and Gorontalo	2,431,152.00	609,548.28	956,694.48	157,464.94	216,881.29	146,612.21	4,518,353.18	1.45
- North Sulawesi	1,009,253.96	440,398.43	550,587.75	75,723.69	75,107.68	62,881.30	2,213,952.82	0.71
- Gorontalo	402,303.68	77,913.79	137,660.61	26,914.37	58,336.29	16,992.39	720,121.13	0.23
- Central Sulawesi	1,019,594.36	91,236.05	268,446.12	54,826.87	83,437.32	66,738.52	1,584,279.24	0.51
UIW South, Southeast and West Sulawesi	5,018,325.95	2,875,617.17	1,943,599.42	340,179.73	339,043.11	247,713.03	10,764,478.40	3.46
- South Sulawesi	3,743,403.85	2,747,962.82	1,565,816.60	273,999.08	239,648.22	204,831.84	8,775,662.41	2.82
- Southeast Sulawesi	917,647.94	79,261.41	297,111.44	45,624.55	66,648.89	30,983.96	1,437,278.18	0.46
- West Sulawesi	357,274.16	48,392.94	80,671.39	20,556.10	32,746.00	11,897.23	551,537.81	0.18
UIW Maluku and North Maluku	961,996.52	23,838.77	360,146.65	55,429.57	132,834.25	28,256.56	1,562,502.32	0.50
- Maluku	421,601.00	12,654.96	194,901.94	30,452.08	74,363.50	11,995.90	745,969.38	0.24
- North Maluku	540,395.51	11,183.82	165,244.71	24,977.49	58,470.75	16,260.66	816,532.94	0.26
UIW Papua and West Papua	1,516,375.48	26,518.41	609,540.36	95,534.31	208,934.00	29,108.97	2,486,011.53	0.80
- Papua	1,027,184.27	14,058.48	416,770.18	64,783.58	136,819.81	19,355.10	1,678,971.42	0.54
- West Papua	489,191.20	12,459.93	192,770.18	30,750.73	72,114.19	9,753.88	807,040.12	0.26
UID Bali	3,375,348.39	217,262.08	3,114,134.34	159,547.22	177,393.54	103,488.19	7,147,173.78	2.30
UIW West Nusa Tenggara	1,314,420.91	231,173.39	590,868.05	86,865.83	73,576.10	86,990.57	2,383,894.84	0.77
UIW East Nusa Tenggara	900,589.92	34,290.98	352,695.57	67,714.58	77,009.23	27,956.94	1,460,257.21	0.47
PT PLN Batam	1,333,249.05	1,118,018.47	1,534,713.60	86,933.07	75,887.33	32,099.94	4,180,901.45	1.34
Outside Java	50,468,610.29	16,410,352.80	21,655,309.10	3,049,213.50	3,095,051.36	2,764,353.48	97,442,890.53	31.30
UID East Java	15,721,591.85	18,518,153.38	6,926,195.68	1,234,033.55	657,059.41	945,593.33	44,002,627.20	14.13
UID Central Java and Yogyakarta	13,935,580.24	10,002,529.55	5,811,813.64	1,255,835.43	548,517.60	869,663.29	32,423,939.74	10.41
- Central Java	11,911,062.92	9,694,276.70	4,797,789.18	1,008,452.74	439,099.94	771,127.98	28,621,809.45	9.19
- D.I. Yogyakarta	2,024,517.32	308,252.85	1,014,024.46	247,382.69	109,417.66	98,535.31	3,802,130.30	1.22
UID West Java	22,533,714.20	28,364,060.64	9,500,834.70	1,154,371.42	715,340.03	632,042.73	62,900,363.72	20.20
UID Banten	7,033,538.86	17,788,185.57	4,347,967.86	331,988.19	236,040.44	132,571.48	29,870,292.40	9.59
UID Jakarta Raya	21,309,644.28	4,537,017.60	15,203,889.67	1,371,194.89	1,968,873.77	308,332.81	44,698,953.02	14.36
Java	80,534,069.44	79,209,946.74	41,790,701.55	5,347,423.48	4,125,831.24	2,888,203.64	213,896,176.08	68.70
Indonesia	131,002,679.73	95,620,299.54	63,446,010.65	8,396,636.98	7,220,882.60	5,652,557.11	311,339,066.61	100.00

Note: Data from AP2T Application

Table 8 : Average Energy Sold by Customers (kWh)**2022**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
UIW Aceh	1,319.29	55,716.03	3,590.60	4,317.29	8,639.33	46,738.06	1,894.73
UIW North Sumatera	1,495.25	644,314.33	11,466.93	6,343.96	13,454.56	23,455.41	2,804.14
UIW West Sumatera	1,279.92	1,167,461.21	3,610.39	4,814.73	12,154.84	21,689.70	2,229.03
UIW Riau and Riau Archipelago	1,651.47	3,906,940.10	7,399.60	6,238.91	16,740.78	21,234.96	3,604.79
- Riau	1,632.32	4,677,361.77	6,946.72	6,192.33	16,826.07	23,596.60	3,707.48
- Riau Archipelago	1,776.88	294,518.52	10,094.29	6,553.38	16,506.41	14,308.84	2,942.52
UIW South Sumatera, Jambi and Bengkulu	1,422.33	388,398.95	10,979.39	4,605.24	12,781.08	15,877.58	2,235.31
- South Sumatera	1,470.77	425,629.98	14,549.34	5,208.91	15,537.10	20,451.45	2,477.60
- Jambi	1,389.56	247,344.17	7,876.01	4,145.93	10,627.74	9,805.29	2,008.13
- Bengkulu	1,295.61	447,049.18	7,278.90	3,420.10	9,607.18	8,844.04	1,724.53
UIW Bangka Belitung	1,586.45	510,740.26	6,003.62	5,982.02	10,495.89	3,296.02	2,766.62
UID Lampung	1,295.69	144,910.37	7,069.76	3,385.73	14,557.11	45,840.87	2,119.33
UIW West Kalimantan	1,453.13	360,743.03	7,876.89	4,664.36	15,788.89	11,393.64	2,120.83
UIW South and Central Kalimantan	1,449.94	695,914.58	6,706.03	3,717.73	13,081.05	14,287.55	2,280.44
- South Kalimantan	1,426.60	720,012.84	8,561.36	3,697.48	13,950.21	14,321.35	2,329.61
- Central Kalimantan	1,494.63	632,919.46	4,805.19	3,759.16	12,102.41	14,202.49	2,190.12
UIW East and North Kalimantan	1,934.39	712,476.49	12,872.23	7,708.08	25,586.20	15,526.47	3,179.64
UIW North, Central Sulawesi and Gorontalo	1,266.36	511,563.09	11,448.83	3,516.83	11,342.12	28,491.20	2,048.21
- North Sulawesi	1,314.59	768,966.86	14,992.31	5,482.06	8,820.37	25,028.11	2,508.92
- Gorontalo	1,328.31	427,453.42	10,481.94	4,432.34	17,358.65	19,498.21	2,014.37
- Central Sulawesi	1,197.94	206,134.02	7,971.85	2,263.90	11,468.57	37,797.36	1,643.55
UIW South, Southeast and West Sulawesi	1,283.96	654,490.89	9,592.78	5,858.91	12,610.56	25,063.55	2,576.09
- South Sulawesi	1,358.47	777,973.99	10,769.06	7,162.14	15,714.42	29,652.27	2,994.46
- Southeast Sulawesi	1,158.44	108,801.92	7,224.23	3,470.67	7,664.05	12,213.27	1,637.12
- West Sulawesi	978.58	217,500.00	5,055.48	3,140.33	11,263.21	26,975.09	1,389.62
UIW Maluku and North Maluku	1,172.23	138,581.08	9,351.94	4,118.66	14,696.27	13,628.79	1,719.23
- Maluku	1,213.20	140,240.96	10,000.00	5,668.02	20,128.93	22,404.69	1,927.01
- North Maluku	1,142.42	136,615.38	8,678.78	3,168.64	10,925.62	10,572.01	1,566.69
UIW Papua and West Papua	1,581.81	144,267.52	8,992.16	5,991.67	18,078.10	10,882.35	2,400.68
- Papua	1,614.20	103,220.34	9,079.68	6,309.19	20,676.86	13,531.35	2,455.63
- West Papua	1,519.43	268,205.13	8,808.39	5,418.94	14,451.55	7,838.18	2,294.86
UID Bali	1,841.45	149,401.38	10,452.52	4,343.81	27,100.66	10,751.60	3,355.05
UIW West Nusa Tenggara	881.83	351,666.67	9,654.05	3,495.52	10,416.67	18,036.41	1,323.44
UIW East Nusa Tenggara	732.79	84,255.95	7,575.53	3,361.72	6,739.49	22,408.58	1,093.04
PT PLN Batam	3,051.50	2,313,571.43	20,592.51	19,324.13	86,345.73	12,435.79	8,228.66
Outside Java	1,408.51	486,524.98	8,648.88	4,871.66	13,896.85	20,106.09	2,472.21
UID East Java	1,290.76	169,464.01	7,374.92	4,261.30	18,587.00	8,616.37	3,054.35
UID Central Java and Yogyakarta	1,251.64	577,376.31	7,595.44	4,588.87	12,726.66	8,761.34	2,403.69
- Central Java	1,233.31	590,614.28	7,056.87	4,143.90	11,685.40	9,560.46	2,409.89
- D.I. Yogyakarta	1,400.40	337,722.29	11,813.71	8,539.92	19,832.42	5,296.06	2,353.42
UID West Java	1,386.48	1,493,133.81	9,779.01	4,100.41	24,730.51	4,236.98	3,447.28
UID Banten	1,727.89	2,326,304.29	14,416.89	5,579.02	38,781.41	10,270.60	6,976.26
UID Jakarta Raya	3,173.87	708,962.33	38,655.16	30,890.95	203,320.72	22,491.07	6,827.69
Java	1,531.25	494,229.10	12,522.13	5,489.26	33,778.76	7,514.84	3,681.08
Indonesia	1,482.17	492,797.67	10,889.19	5,244.79	21,109.50	10,825.10	3,196.80

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Table 9 : Average of Electricity Tariff by Type of Customer

2022

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
UIW Aceh	895.83	1,170.88	1,171.08	785.19	1,469.42	1,572.99	1,005.02
UIW North Sumatera	1,078.68	1,134.16	1,269.53	807.07	1,458.25	1,571.79	1,132.45
UIW West Sumatera	1,086.97	1,049.50	1,171.85	817.09	1,477.66	1,572.80	1,100.99
UIW Riau and Riau Archipelago	1,291.15	535.42	1,232.61	860.70	1,475.18	1,571.25	1,010.87
- Riau	1,277.93	527.70	1,227.28	861.64	1,474.90	1,571.11	974.07
- Riau Archipelago	1,370.73	1,110.39	1,254.44	854.71	1,475.95	1,571.92	1,309.88
UIW South Sumatera, Jambi and Bengkulu	1,148.46	1,116.90	1,270.26	796.80	1,466.17	1,583.25	1,166.74
- South Sumatera	1,124.20	1,109.96	1,273.73	815.59	1,458.69	1,585.18	1,153.33
- Jambi	1,247.44	1,142.87	1,259.28	761.85	1,474.20	1,579.55	1,230.44
- Bengkulu	1,069.14	1,149.39	1,278.47	777.96	1,481.37	1,569.32	1,108.34
UIW Bangka Belitung	1,316.78	1,185.36	1,288.01	887.19	1,487.82	1,573.35	1,267.39
UID Lampung	1,013.14	1,136.50	1,259.63	777.96	1,465.27	1,609.63	1,084.28
UIW West Kalimantan	1,105.19	1,144.71	1,259.89	811.69	1,471.07	1,570.35	1,144.56
UIW South and Central Kalimantan	1,111.15	1,153.46	1,246.27	788.89	1,479.24	1,574.75	1,146.48
- South Kalimantan	1,068.74	1,139.99	1,276.22	791.43	1,485.01	1,571.44	1,125.21
- Central Kalimantan	1,188.66	1,193.48	1,191.61	783.78	1,471.74	1,583.15	1,188.03
UIW East and North Kalimantan	1,314.16	1,184.13	1,291.46	842.74	1,447.33	1,572.64	1,281.54
UIW North, Central Sulawesi and Gorontalo	1,041.22	1,121.98	1,289.61	793.03	1,464.82	1,562.20	1,112.76
- North Sulawesi	1,051.09	1,116.40	1,284.26	826.14	1,475.01	1,569.29	1,126.09
- Gorontalo	964.53	1,132.14	1,343.82	778.10	1,450.43	1,561.80	1,068.35
- Central Sulawesi	1,064.75	1,140.74	1,274.19	758.32	1,465.61	1,555.68	1,115.39
UIW South, Southeast and West Sulawesi	1,133.75	1,026.08	1,279.78	842.82	1,462.53	1,570.29	1,128.26
- South Sulawesi	1,126.29	1,020.87	1,280.44	844.95	1,465.38	1,569.95	1,116.98
- Southeast Sulawesi	1,155.57	1,163.73	1,282.98	837.15	1,452.05	1,572.79	1,184.02
- West Sulawesi	1,157.95	1,135.19	1,255.78	827.54	1,463.18	1,569.56	1,172.96
UIW Maluku and North Maluku	1,188.34	1,162.30	1,320.48	796.06	1,492.02	1,570.68	1,221.25
- Maluku	1,194.78	1,087.20	1,311.68	836.60	1,488.46	1,570.14	1,228.74
- North Maluku	1,183.37	1,259.44	1,331.01	751.88	1,496.56	1,571.08	1,214.48
UIW Papua and West Papua	1,350.23	1,170.79	1,264.66	840.38	1,470.02	1,573.46	1,307.06
- Papua	1,361.74	1,154.23	1,262.90	841.24	1,444.77	1,573.59	1,311.16
- West Papua	1,326.69	1,191.20	1,268.39	838.58	1,520.43	1,573.21	1,298.60
UID Bali	1,364.59	1,116.05	1,280.95	856.49	1,487.33	1,576.12	1,306.49
UIW West Nusa Tenggara	878.64	1,153.27	1,322.50	788.76	1,456.95	1,567.96	1,010.42
UIW East Nusa Tenggara	1,185.99	1,211.27	1,303.58	866.47	1,459.89	1,573.27	1,209.92
PT PLN Batam	1,444.96	1,278.42	1,516.95	1,089.80	1,923.15	2,138.57	1,420.54
Outside Java	1,144.08	1,011.05	1,279.79	823.30	1,477.03	1,580.34	1,148.91
UID East Java	1,016.78	1,087.25	1,269.82	800.72	1,443.23	1,571.56	1,085.23
UID Central Java and Yogyakarta	943.19	1,104.57	1,263.58	822.18	1,441.95	1,571.46	1,049.62
- Central Java	918.94	1,104.35	1,266.06	813.45	1,441.33	1,571.49	1,038.35
- D.I. Yogyakarta	1,116.53	1,111.74	1,251.94	859.83	1,444.65	1,571.54	1,142.95
UID West Java	1,079.64	1,115.86	1,248.41	811.29	1,419.86	1,586.25	1,118.70
UID Banten	1,162.59	1,071.24	1,275.97	840.07	1,442.97	1,573.36	1,118.50
UID Jakarta Raya	1,437.51	1,095.81	1,212.51	924.66	1,409.75	1,579.57	1,292.69
Java	1,118.80	1,096.30	1,243.36	839.53	1,422.86	1,575.65	1,132.04
Indonesia	1,128.41	1,080.66	1,255.56	833.56	1,445.59	1,577.94	1,137.26

Table 10 : Number of Customers by Type of Voltage**2022**

PLN Operational Unit/ Province	Voltage			Total	(%)
	Low	Medium	High		
UIW Aceh	1,664,092	536	-	1,664,628	1.94
UIW North Sumatera	4,290,094	10,620	2	4,300,716	5.02
UIW West Sumatera	1,627,335	1,368	2	1,628,705	1.90
UIW Riau and Riau Archipelago	2,393,389	2,919	2	2,396,310	2.80
- Riau	2,071,904	2,724	2	2,074,630	2.42
- Riau Archipelago	321,485	195	-	321,680	0.38
UIW South Sumatera, Jambi and Bengkulu	4,114,366	1,566	1	4,115,933	4.81
- South Sumatera	2,371,474	1,103	1	2,372,578	2.77
- Jambi	1,112,643	261	-	1,112,904	1.30
- Bengkulu	630,249	202	-	630,451	0.74
UIW Bangka Belitung	532,647	3,795	-	536,442	0.63
UID Lampung	2,538,888	811	-	2,539,699	2.97
UIW West Kalimantan	1,430,422	546	-	1,430,968	1.67
UIW South and Central Kalimantan	2,186,330	592	1	2,186,923	2.55
- South Kalimantan	1,415,633	428	1	1,416,062	1.65
- Central Kalimantan	770,697	164	-	770,861	0.90
UIW East and North Kalimantan	1,407,909	837	-	1,408,746	1.65
UIW North, Central Sulawesi and Gorontalo	1,981,658	801	2	1,982,461	2.31
- North Sulawesi	783,262	360	1	783,623	0.92
- Gorontalo	334,515	105	1	334,621	0.39
- Central Sulawesi	863,881	336	-	864,217	1.01
UIW South, Southeast and West Sulawesi	3,699,875	3,694	5	3,703,574	4.32
- South Sulawesi	2,620,524	3,188	5	2,623,717	3.06
- Southeast Sulawesi	741,186	298	-	741,484	0.87
- West Sulawesi	338,165	208	-	338,373	0.40
UIW Maluku and North Maluku	742,752	1,435	-	744,187	0.87
- Maluku	314,218	829	-	315,047	0.37
- North Maluku	428,534	606	-	429,140	0.50
UIW Papua and West Papua	791,481	791	-	792,272	0.93
- Papua	521,001	462	-	521,463	0.61
- West Papua	270,480	329	-	270,809	0.32
UID Bali	1,586,937	43,591	-	1,630,528	1.90
UIW West Nusa Tenggara	1,781,589	1,125	-	1,782,714	2.08
UIW East Nusa Tenggara	1,103,481	689	-	1,104,170	1.29
PT PLN Batam	354,539	3,134	-	357,673	0.42
Outside Java	34,227,784	78,850	15	34,306,649	40.06
UID East Java	13,265,742	9,364	27	13,275,133	15.50
UID Central Java and Yogyakarta	12,846,522	5,089	9	12,851,620	15.01
- Central Java	11,433,556	4,540	9	11,438,105	13.36
- D.I. Yogyakarta	1,412,966	549	-	1,413,515	1.65
UID West Java	16,299,957	10,316	28	16,310,301	19.05
UID Banten	3,808,961	19,089	27	3,828,077	4.47
UID Jakarta Raya	5,043,280	21,132	6	5,064,418	5.91
Java	51,264,462	64,990	97	51,329,549	59.94
Indonesia	85,492,246	143,840	112	85,636,198	100.00
(%)	100	-	-	100	

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Table 11 : Connected Capacity by Type of Voltage (MVA)

2022

PLN Operational Unit/ Province	Voltage			Total	(%)
	Low	Medium	High		
UIW Aceh	1,887.06	145.53	-	2,032.59	1.26
UIW North Sumatera	5,468.23	1,564.42	80.10	7,112.75	4.39
UIW West Sumatera	1,971.99	210.05	140.00	2,322.04	1.43
UIW Riau and Riau Archipelago	3,738.75	540.88	360.00	4,639.63	2.87
- Riau	3,135.07	460.97	360.00	3,956.04	2.44
- Riau Archipelago	603.68	79.91	-	683.59	0.42
UIW South Sumatera, Jambi and Bengkulu	5,202.92	816.40	45.00	6,064.33	3.75
- South Sumatera	2,954.57	617.12	45.00	3,616.69	2.23
- Jambi	1,547.13	138.66	-	1,685.79	1.04
- Bengkulu	701.22	60.62	-	761.84	0.47
UIW Bangka Belitung	869.02	200.09	-	1,069.11	0.66
UID Lampung	2,918.91	609.82	-	3,528.73	2.18
UIW West Kalimantan	1,893.62	229.82	-	2,123.45	1.31
UIW South and Central Kalimantan	2,652.86	422.29	55.00	3,130.15	1.93
- South Kalimantan	1,653.47	313.23	55.00	2,021.70	1.25
- Central Kalimantan	999.39	109.06	-	1,108.45	0.68
UIW East and North Kalimantan	2,391.87	431.60	-	2,823.47	1.74
UIW North, Central Sulawesi and Gorontalo	2,405.57	344.92	72.50	2,822.99	1.74
- North Sulawesi	1,049.98	213.48	40.00	1,303.46	0.81
- Gorontalo	370.31	39.48	32.50	442.29	0.27
- Central Sulawesi	985.28	91.97	-	1,077.25	0.67
UIW South, Southeast and West Sulawesi	5,048.02	656.92	402.25	6,107.19	3.77
- South Sulawesi	3,618.21	556.12	402.25	4,576.59	2.83
- Southeast Sulawesi	1,003.05	78.97	-	1,082.02	0.67
- West Sulawesi	426.76	21.83	-	448.59	0.28
UIW Maluku and North Maluku	946.83	73.11	-	1,019.94	0.63
- Maluku	429.87	45.70	-	475.57	0.29
- North Maluku	516.96	27.41	-	544.37	0.34
UIW Papua and West Papua	1,391.63	139.29	-	1,530.92	0.95
- Papua	921.48	90.31	-	1,011.80	0.63
- West Papua	470.14	48.98	-	519.12	0.32
UID Bali	3,490.93	722.39	-	4,213.32	2.60
UIW West Nusa Tenggara	1,832.14	173.86	-	2,006.00	1.24
UIW East Nusa Tenggara	1,367.59	85.66	-	1,453.25	0.90
PT PLN Batam	1,025.40	674.68	-	1,700.07	1.05
Outside Java	46,503.34	8,041.73	1,154.85	55,699.92	34.41
UID East Java	16,532.42	6,035.43	1,199.16	23,767.02	14.68
UID Central Java and Yogyakarta	14,400.24	3,795.84	409.50	18,605.58	11.49
- Central Java	12,472.91	3,409.39	409.50	16,291.80	10.07
- D.I. Yogyakarta	1,927.33	386.45	-	2,313.78	1.43
UID West Java	19,707.15	8,963.38	1,526.37	30,196.90	18.66
UID Banten	5,792.99	5,068.78	1,840.78	12,702.55	7.85
UID Jakarta Raya	13,056.90	7,434.54	398.14	20,889.58	12.91
Java	69,489.70	31,297.97	5,373.95	106,161.62	65.59
Indonesia	115,993.04	39,339.70	6,528.80	161,861.54	100.00
(%)	71.66	24.31	4.03	100.00	

Table 12 : Energy Sold by Type of Voltage (GWh)**2022**

PLN Operational Unit/ Province	Voltage			Total
	Low	Medium	High	
UIW Aceh	2,895.85	258.17	-	3,154.01
UIW North Sumatera	8,450.35	3,332.66	276.80	12,059.81
UIW West Sumatera	2,716.42	372.24	541.77	3,630.43
UIW Riau and Riau Archipelago	5,196.39	1,154.13	2,287.67	8,638.19
- Riau	4,410.59	993.37	2,287.67	7,691.64
- Riau Archipelago	785.79	160.76	-	946.55
UIW South Sumatera, Jambi and Bengkulu	7,376.62	1,671.03	152.74	9,200.39
- South Sumatera	4,405.69	1,319.87	152.74	5,878.31
- Jambi	1,986.68	248.17	-	2,234.86
- Bengkulu	984.25	102.98	-	1,087.22
UIW Bangka Belitung	1,094.56	389.56	-	1,484.13
UID Lampung	4,134.78	1,247.69	-	5,382.48
UIW West Kalimantan	2,688.89	345.96	-	3,034.85
UIW South and Central Kalimantan	4,018.89	859.85	108.41	4,987.15
- South Kalimantan	2,562.60	627.86	108.41	3,298.88
- Central Kalimantan	1,456.29	231.99	-	1,688.28
UIW East and North Kalimantan	3,546.54	932.76	-	4,479.30
UIW North, Central Sulawesi and Gorontalo	3,280.15	591.32	189.01	4,060.49
- North Sulawesi	1,402.29	401.41	162.36	1,966.05
- Gorontalo	574.63	72.77	26.65	674.05
- Central Sulawesi	1,303.24	117.15	-	1,420.38
UIW South, Southeast and West Sulawesi	6,508.59	1,033.28	1,998.87	9,540.75
- South Sulawesi	4,940.11	917.65	1,998.87	7,856.64
- Southeast Sulawesi	1,132.38	81.52	-	1,213.90
- West Sulawesi	436.10	34.11	-	470.21
UIW Maluku and North Maluku	1,176.16	103.26	-	1,279.42
- Maluku	544.54	62.56	-	607.10
- North Maluku	631.62	40.70	-	672.32
UIW Papua and West Papua	1,714.46	187.53	-	1,901.98
- Papua	1,151.02	129.51	-	1,280.52
- West Papua	563.44	58.02	-	621.46
UID Bali	4,238.84	1,231.68	-	5,470.51
UIW West Nusa Tenggara	2,045.38	313.93	-	2,359.31
UIW East Nusa Tenggara	1,099.81	107.09	-	1,206.91
PT PLN Batam	1,473.36	1,469.82	-	2,943.17
Outside Java	63,656.03	15,601.95	5,555.28	84,813.27
UID East Java	22,971.67	13,661.80	3,913.41	40,546.88
UID Central Java and Yogyakarta	20,937.08	8,773.58	1,180.59	30,891.25
- Central Java	18,317.97	8,066.07	1,180.59	27,564.64
- D.I. Yogyakarta	2,619.10	707.50	-	3,326.61
UID West Java	28,327.85	22,150.37	5,747.89	56,226.11
UID Banten	8,961.26	12,007.56	5,736.85	26,705.67
UID Jakarta Raya	20,171.05	13,441.14	966.11	34,578.29
Java	101,368.91	70,034.45	17,544.86	188,948.21
Indonesia	165,024.94	85,636.40	23,100.14	273,761.48
(%)	60.28	31.28	8.44	100.00

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Table 13 : Revenue by Type of Voltage (million Rp)

2022

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multipurpose		
UIW Aceh	2,860,764.88	268,898.47	-	40,196.94	3,169,860.30	1.02
UIW North Sumatera	9,538,628.06	3,749,775.78	297,353.28	71,324.99	13,657,082.12	4.39
UIW West Sumatera	3,026,642.77	406,056.93	540,005.39	24,364.60	3,997,069.69	1.28
UIW Riau and Riau Archipelago	6,602,223.09	1,298,582.90	797,834.12	33,459.82	8,732,099.94	2.80
- Riau	5,553,312.62	1,109,810.87	797,834.12	31,273.35	7,492,230.96	2.41
- Riau Archipelago	1,048,910.47	188,772.04	-	2,186.47	1,239,868.98	0.40
UIW South Sumatera, Jambi and Bengkulu	8,675,452.87	1,843,361.97	152,244.36	63,434.15	10,734,493.35	3.45
- South Sumatera	5,125,087.10	1,465,235.24	152,244.36	37,046.94	6,779,613.65	2.18
- Jambi	2,465,050.63	265,674.38	-	19,133.60	2,749,858.61	0.88
- Bengkulu	1,085,315.14	112,452.35	-	7,253.61	1,205,021.09	0.39
UIW Bangka Belitung	1,417,031.42	450,642.34	-	13,290.93	1,880,964.69	0.60
UID Lampung	4,415,502.21	1,407,172.65	-	13,439.69	5,836,114.55	1.87
UIW West Kalimantan	3,069,674.04	388,140.44	-	15,757.03	3,473,571.51	1.12
UIW South and Central Kalimantan	4,593,787.84	976,077.68	108,054.26	39,725.57	5,717,645.35	1.84
- South Kalimantan	2,863,591.55	708,828.33	108,054.26	31,446.02	3,711,920.16	1.19
- Central Kalimantan	1,730,196.29	267,249.34	-	8,279.56	2,005,725.19	0.64
UIW East and North Kalimantan	4,612,936.12	1,076,258.71	-	51,221.50	5,740,416.33	1.84
UIW North, Central Sulawesi and Gorontalo	3,629,068.21	660,665.56	200,442.59	28,176.83	4,518,353.18	1.45
- North Sulawesi	1,577,040.10	459,268.42	170,759.88	6,884.42	2,213,952.82	0.71
- Gorontalo	601,302.21	74,269.34	29,682.71	14,866.87	720,121.13	0.23
- Central Sulawesi	1,450,725.90	127,127.80	-	6,425.54	1,584,279.24	0.51
UIW South, Southeast and West Sulawesi	7,610,941.48	1,133,532.39	1,968,283.15	51,721.37	10,764,478.40	3.46
- South Sulawesi	5,761,108.05	1,004,075.12	1,968,283.15	42,196.09	8,775,662.41	2.82
- Southeast Sulawesi	1,338,644.02	91,709.75	-	6,924.42	1,437,278.18	0.46
- West Sulawesi	511,189.42	37,747.53	-	2,600.86	551,537.81	0.18
UIW Maluku and North Maluku	1,429,754.86	82,352.67	-	50,394.79	1,562,502.32	0.50
- Maluku	668,913.38	56,740.16	-	20,315.84	745,969.38	0.24
- North Maluku	760,841.48	25,612.51	-	30,078.95	816,532.94	0.26
UIW Papua and West Papua	2,260,907.23	210,874.76	-	14,229.55	2,486,011.53	0.80
- Papua	1,526,502.23	141,345.37	-	11,123.81	1,678,971.42	0.54
- West Papua	734,405.00	69,529.38	-	3,105.74	807,040.12	0.26
UID Bali	5,704,272.71	1,313,131.25	-	129,769.81	7,147,173.78	2.30
UIW West Nusa Tenggara	2,011,172.71	315,666.94	-	57,055.19	2,383,894.84	0.77
UIW East Nusa Tenggara	1,331,530.32	106,379.77	-	22,347.13	1,460,257.21	0.47
PT PLN Batam	2,211,983.41	1,934,279.08	-	34,638.96	4,180,901.45	1.34
Outside Java	75,002,274.23	17,621,850.31	4,064,217.14	754,548.85	97,442,890.53	31.30
UID East Java	24,655,511.84	15,078,022.26	3,907,112.17	361,980.93	44,002,627.20	14.13
UID Central Java and Yogyakarta	21,406,265.93	9,567,191.80	1,204,691.46	245,790.55	32,423,939.74	10.41
- Central Java	18,378,167.08	8,797,009.13	1,204,691.46	241,941.78	28,621,809.45	9.19
- D.I. Yogyakarta	3,028,098.85	770,182.67	-	3,848.77	3,802,130.30	1.22
UID West Java	31,505,706.61	24,895,095.76	5,842,211.98	657,349.38	62,900,363.72	20.20
UID Banten	10,575,897.49	13,187,216.21	5,716,075.25	391,103.46	29,870,292.40	9.59
UID Jakarta Raya	28,326,559.05	14,906,272.49	980,266.73	485,854.74	44,698,953.02	14.36
Java	116,469,940.91	77,633,798.52	17,650,357.59	2,142,079.06	213,896,176.08	68.70
Indonesia	191,472,215.14	95,255,648.83	21,714,574.73	2,896,627.91	311,339,066.61	100.00
(%)	61.50	30.60	6.97	0.93	100.00	

Note: Data from AP2T Application

Table 14 : Number of Customers, Connected Capacity and Energy Consumption by Tariff Category (Rp/kWh)

2022

Tariff Category	Customers	Connected (MVA)	Sold (MWh)	Revenue *) (thousand Rp)
S-1	175	0.04	0.35	36,631.98
S-2	1,918,125	5,354.72	6,489.19	5,084,394,593.18
S-3	2,490	2,127.56	3,584.04	3,312,242,390.53
R-1	76,091,717	67,984.98	100,801.54	107,011,723,937.76
R-2	1,896,344	8,050.47	9,968.84	15,632,303,464.97
R-3	339,661	4,387.82	5,324.68	8,358,615,695.15
B-1	3,770,472	6,850.97	8,575.49	8,269,994,432.73
B-2	746,058	14,977.18	20,421.18	29,603,912,258.65
B-3 **)	8,884	11,162.94	19,364.58	22,270,436,592.76
I-1	117,738	505.20	322.60	347,703,325.00
I-2	46,387	4,458.04	6,697.57	7,249,499,672.94
I-3	15,316	23,222.24	58,362.99	66,308,521,806.09
I-4	112	6,528.80	23,100.14	21,714,574,735.54
P-1	234,650	2,091.10	2,841.27	4,261,474,016.40
P-2	1,979	1,700.31	2,153.85	2,959,408,578.74
P-3	330,919	1,332.51	3,582.23	5,652,557,112.98
Traction T-1	79	380.09	343.87	255,319,112.42
Bulk C-1	24	50.79	134.77	149,720,347.61
Special Services	115,068	695.78	1,692.30	2,896,627,908.53
Total	85,636,198	161,861.54	273,761.48	311,339,066,613.96

*) Data from AP2T Application

**) Included B4 Customers

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Table 15 : Waiting List

PLN Operational Unit/ Province	Waiting List Last Month		New Applicants This Month		Payment of Connection Fee This Month		Connected	
	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)
UIW Aceh	24,005	478,514,400.00	58,659	188,699,050.00	53,776	100,589,000.00	52,549	83,150,200.00
UIW North Sumatera	22,963	82,583,300.00	182,380	310,381,950.00	163,931	262,026,750.00	161,154	253,447,600.00
UIW West Sumatera	16,596	49,321,500.00	75,138	127,643,000.00	67,222	102,201,000.00	70,043	103,537,750.00
UIW Riau and Riau Archipelago	17,277	397,289,950.00	140,034	252,169,550.00	114,926	189,209,250.00	114,789	187,225,350.00
- Riau	-	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-	-
UIW South Sumatera, Jambi and Bengkulu	77,176	239,404,750.00	217,137	425,488,400.00	174,334	244,108,800.00	164,448	229,532,350.00
- South Sumatera	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-	-
UIW Bangka Belitung	5,420	117,942,800.00	23,166	107,831,400.00	21,467	77,748,100.00	20,712	73,290,850.00
UID Lampung	54,882	487,105,500.00	101,160	144,605,150.00	93,290	127,804,600.00	93,298	120,246,750.00
UIW West Kalimantan	75,681	333,268,050.00	106,713	205,250,250.00	84,027	138,181,350.00	80,070	137,956,750.00
UIW South and Central Kalimantan	58,076	1,806,670,950.00	140,641	454,299,200.00	99,271	157,418,850.00	94,294	193,252,150.00
- South Kalimantan	-	--	-	--	-	--	-	--
- Central Kalimantan	-	--	-	--	-	--	-	--
UIW East and North Kalimantan	16,248	2,217,098,100.00	90,040	1,016,894,300.00	67,881	404,271,150.00	66,502	134,646,150.00
UIW North, Central Sulawesi and Gorontalo	25,454	3,029,935,350.00	112,316	189,347,200.00	97,899	141,886,500.00	94,718	167,688,250.00
- North Sulawesi	-	-	-	-	-	-	-	-
- Gorontalo	-	-	-	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-	-	-	-
UIW South, Southeast and West Sulawesi	141,687	5,629,069,700.00	256,475	572,569,500.00	173,616	281,666,350.00	166,101	241,780,050.00
- South Sulawesi	-	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	6,889	736,640,850.00	44,022	146,853,100.00	38,028	130,424,950.00	38,436	49,838,700.00
- Maluku	-	-	-	-	-	-	-	-
- North Maluku	-	-	-	-	-	-	-	-
UIW Papua and West Papua	17,033	62,593,350.00	60,111	106,102,400.00	41,827	71,068,100.00	40,991	71,987,000.00
- Papua	-	-	-	-	-	-	-	-
- West Papua	-	-	-	-	-	-	-	-
UID Bali	9,916	60,762,900.00	57,471	198,589,650.00	53,867	147,101,800.00	52,721	137,727,100.00
UIW West Nusa Tenggara	8,234	112,185,900.00	67,350	189,307,200.00	58,517	96,924,550.00	57,463	79,216,950.00
UIW East Nusa Tenggara	75,967	112,417,181.00	91,955	111,921,800.00	81,090	93,419,750.00	85,715	97,028,800.00
PT PLN Batam	317,291	1,239,270.10	15,322	115,268.30	12,450	81,571.70	11,166	113,981.60
Outside Java	970,795	15,954,043,801.10	1,840,090	4,748,068,368.30	1,497,419	2,766,132,421.70	1,465,170	2,361,666,731.60
UID East Java	75,143	1,719,906,850.00	587,005	1,405,682,000.00	431,626	888,682,700.00	419,596	714,211,250.00
UID Central Java and Yogyakarta	65,585	231,296,000.00	472,965	872,827,400.00	402,086	667,454,800.00	391,486	646,779,950.00
- Central Java	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-
UID West Java	189,111	1,859,495,150.00	717,564	2,091,795,310.00	588,922	1,356,674,050.00	568,476	1,319,993,300.00
UID Banten	26,959	2,428,302,650.00	203,021	1,754,857,900.00	168,422	837,321,950.00	167,359	548,036,850.00
UID Jakarta Raya	20,742	464,769,000.00	183,783	1,126,671,550.00	158,205	591,862,550.00	158,309	436,596,750.00
Java	377,540	6,703,769,650.00	2,164,338	7,251,834,160.00	1,749,261	4,341,996,050.00	1,705,226	3,665,618,100.00
Indonesia	1,348,335	22,657,813,451.10	4,004,428	11,999,902,528.30	3,246,680	7,108,128,471.70	3,170,396	6,027,284,831.60

Discharging/ Cancelled		Receive From Deposit Connection Fee		Correction of Applica- tion for Connection Fee		Move From Another Unit		Move to Another Unit		Final Waiting List	
Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)
283	5,918,650	99	163,050	-	-	245	611,450	245	611,450	25,048	490,197,600
268	1,269,000	128	493,400	2	236,000	1,907	3,981,400	1,905	3,968,200	25,604	90,636,050
1,107	1,276,900	178	245,700	-	-	176	255,650	176	255,650	12,846	46,953,550
998	1,824,500	102	132,600	-	-	920	2,996,000	921	3,008,300	16,517	397,569,650
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
2,936	4,381,450	1,036	1,627,600	-	-	958	2,557,800	958	2,557,800	85,162	251,227,350
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
468	2,063,850	155	674,950	-	-	30	70,300	30	70,300	5,862	121,011,150
753	776,350	59	42,850	-	-	714	3,489,800	714	3,489,800	54,180	493,929,850
1,600	3,029,750	487	761,150	-	-	297	867,400	297	867,400	78,525	331,224,050
3,580	4,397,450	611	663,450	-	-	421	3,810,450	421	3,810,450	60,084	1,767,103,650
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
529	1,145,350	202	406,050	-	-	356	1,019,750	356	1,019,750	17,300	2,485,983,800
1,779	8,473,750	562	895,250	10	64,700	33	228,400	33	228,400	27,428	2,996,619,800
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
1,765	3,430,950	6	6,700	9	282,650	1,048	1,432,700	1,048	1,414,500	147,452	5,665,832,600
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
102	185,750	-	-	3	1,350	14	22,300	14	22,300	6,382	817,042,700
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
151	381,250	-	-	1	82,500	85	50,450	85	50,450	17,719	61,375,700
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
521	1,903,350	-	-	-	-	428	1,215,700	428	1,215,700	10,541	68,234,250
1,688	1,553,600	847	794,900	-	-	381	486,450	381	486,450	8,447	129,134,800
653	1,167,459	120	57,150	9	4,050	511	481,050	511	481,050	70,818	107,701,872
135	615	-	-	-	-	-	-	-	-	318,440	1,206,245
19,316	43,179,974	4,592	6,964,800	34	671,250	8,524	23,577,050	8,523	23,557,950	988,355	16,322,984,667
26,232	48,035,600	7,084	13,441,150	128	1,164,450	7,677	11,578,600	7,705	11,582,300	68,125	1,860,944,600
10,991	17,582,100	3,700	5,662,200	60	51,500	4,919	7,308,150	4,479	5,967,300	69,394	241,443,300
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
3,945	12,814,000	1,850	7,348,050	9	573,250	8,857	191,872,650	10,232	194,089,550	206,096	1,889,066,300
1,806	4,166,300	89	252,450	91	241,000	1,270	273,669,750	1,236	270,595,750	26,430	2,716,988,900
2,134	4,381,650	654	1,483,850	5	9,700	7,541	14,243,650	6,202	15,102,100	20,502	616,288,250
45,108	86,979,650	13,377	28,187,700	293	2,039,900	30,264	498,672,800	29,854	497,337,000	390,547	7,324,731,350
64,424	130,159,624	17,969	35,152,500	327	2,711,150	38,788	522,249,850	38,377	520,894,950	1,378,902	23,647,716,017

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Table 16 : SAIDI and SAIFI

2022

PLN Operational Unit/ Province	SAIDI Hours/Customer	SAIFI Times/Customer
UIW Aceh	7.11	4.95
UIW North Sumatera	9.37	6.89
UIW West Sumatera	5.94	3.34
UIW Riau and Riau Archipelago	9.75	6.29
UIW South Sumatera, Jambi and Bengkulu	13.05	7.47
UIW Bangka Belitung	1.91	3.01
UID Lampung	11.34	6.95
UIW West Kalimantan	21.48	15.91
UIW South and Central Kalimantan	15.70	8.80
UIW East and North Kalimantan	9.57	9.03
UIW North, Central Sulawesi and Gorontalo	16.49	14.62
UIW South, Southeast and West Sulawesi	8.22	7.65
UIW Maluku and North Maluku	1.91	4.26
UIW Papua and West Papua	13.46	10.27
UID Bali	1.06	1.29
UIW West Nusa Tenggara	4.19	3.75
UIW East Nusa Tenggara	4.41	6.86
PT PLN Batam	2.03	3.32
Outside Java	9.83	7.27
UID East Java	4.65	3.22
UID Central Java and Yogyakarta	7.29	5.43
UID West Java	9.54	6.61
UID Banten	2.55	1.97
UID Jakarta Raya	0.60	0.80
Java	6.31	4.52
Indonesia	7.72	5.62

Table 17 : Number of Distribution Interruption per 100 kmc**2022**

PLN Operational Unit/ Province	Interruption Duration (Hours)	Number of Interruption (Times)	Transmission Lines Length (kmc)	System Outage Duration (SOD) (Hours/100 kmc)	System Outage Frequency (SOF) (Times/100 kmc)
UIW Aceh	-	-	-	-	-
UIW North Sumatera	-	-	-	-	-
UIW West Sumatera	-	-	-	-	-
UIW Riau and Riau Archipelago	-	-	-	-	-
- Riau	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-
UIW South Sumatera, Jambi and Bengkulu	-	-	-	-	-
- South Sumatera	-	-	-	-	-
- Jambi	-	-	-	-	-
- Bengkulu	-	-	-	-	-
UIW Bangka Belitung	1.17	12	759.28	0.15	1.58
UID Lampung	-	-	-	-	-
UIW West Kalimantan	-	-	-	-	-
UIW South and Central Kalimantan	-	-	-	-	-
- South Kalimantan	-	-	-	-	-
- Central Kalimantan	-	-	-	-	-
UIW East and North Kalimantan	-	-	-	-	-
UIW North, Central Sulawesi and Gorontalo	-	-	-	-	-
- North Sulawesi	-	-	-	-	-
- Gorontalo	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-
UIW South, Southeast and West Sulawesi	-	-	-	-	-
- South Sulawesi	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-
- West Sulawesi	-	-	-	-	-
UIW Maluku and North Maluku	-	-	95.06	-	-
- Maluku	-	-	79.56	-	-
- North Maluku	-	-	15.50	-	-
UIW Papua and West Papua	1.72	2	298.88	0.57	0.67
- Papua	0.38	1	217.96	0.18	0.46
- West Papua	1.33	1	80.92	1.65	1.24
UID Bali	-	-	-	-	-
UIW West Nusa Tenggara	14.23	3	1,145.14	1.24	0.26
UIW East Nusa Tenggara	0.92	2	1,159.29	0.08	0.17
PT PLN Batam	1.13	2	183.51	0.62	1.09
PT PLN Tarakan	-	-	-	-	-
UIK Northern Part of Sumatera	-	-	-	-	-
UIK Southern Part of Sumatera	-	-	-	-	-
UIP3B Sumatera	42.22	71	19,270.16	0.22	0.37
UIKL Kalimantan	94.57	79	6,934.93	1.36	1.14
UIKL Sulawesi	2.12	5	7,511.97	0.03	0.07
Outside Java	158.07	176	37,358.21	0.42	0.47
UID East Java	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-
- Central Java	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-
UID West Java	-	-	-	-	-
UID Banten	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-
PT PJB	-	-	-	-	-
UIP2B	-	-	-	-	-
Java	-	-	-	-	-
Indonesia	158.07	176	37,358.21	0.42	0.47

SOD= System Outage Duration

SOF= System Outage Frequency

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Table 18 : Number of Distribution Interruption per 100 kmc **2022**

PLN Operational Unit/ Province	Number of Interruption (Times)	Medium Voltage Lines Length (kmc)	Number of Interruption (Times/100 kmc)
UIW Aceh	3,246	16,664.00	19.48
UIW North Sumatera	120	30,223.77	0.40
UIW West Sumatera	459	11,296.28	4.06
UIW Riau and Riau Archipelago	61	17,796.77	0.34
- Riau	55	15,224.10	0.36
- Riau Archipelago	6	2,572.67	0.23
UIW South Sumatera, Jambi and Bengkulu	1,306	29,991.01	4.35
- South Sumatera	811	15,794.92	5.13
- Jambi	366	9,376.27	3.90
- Bengkulu	129	4,819.80	2.68
UIW Bangka Belitung	498	5,982.31	8.32
UID Lampung	2,246	14,746.00	15.23
UIW West Kalimantan	37	14,314.01	0.26
UIW South and Central Kalimantan	213	17,887.38	1.19
- South Kalimantan	133	9,608.82	1.38
- Central Kalimantan	80	8,278.55	0.97
UIW East and North Kalimantan	3,578	10,465.87	34.19
UIW North, Central Sulawesi and Gorontalo	3,375	16,691.91	20.22
- North Sulawesi	1,637	5,953.30	27.50
- Gorontalo	252	2,523.78	9.99
- Central Sulawesi	1,486	8,214.83	18.09
UIW South, Southeast and West Sulawesi	5,630	27,193.97	20.70
- South Sulawesi	4,018	16,564.60	24.26
- Southeast Sulawesi	1,308	7,059.88	18.53
- West Sulawesi	304	3,569.49	8.52
UIW Maluku and North Maluku	927	7,836.84	11.83
- Maluku	703	4,230.70	16.62
- North Maluku	224	3,606.14	6.21
UIW Papua and West Papua	436	7,431.69	5.87
- Papua	224	4,820.45	4.65
- West Papua	212	2,611.24	8.12
UID Bali	141	8,699.67	1.62
UIW West Nusa Tenggara	1,011	6,949.15	14.55
UIW East Nusa Tenggara	1,140	10,349.47	11.02
PT PLN Batam	105	2,131.33	4.93
PT PLN Tarakan	-	-	-
UIK Northern Part of Sumatera	-	-	-
UIK Southern Part of Sumatera	-	-	-
UIP3B Sumatera	-	-	-
UIKL Sulawesi	-	-	-
UIKL Kalimantan	-	-	-
Outside Java	24,529	256,651.48	9.56
UID East Java	144	41,194.36	0.35
UID Central Java and Yogyakarta	824	54,794.10	1.50
- Central Java	721	48,962.77	1.47
- D.I. Yogyakarta	103	5,831.33	1.77
UID West Java	164	48,789.48	0.34
UID Banten	345	16,138.10	2.14
UID Jakarta Raya	762	17,622.49	4.32
PT Indonesia Power	-	-	-
PT PJB	-	-	-
UIP2B	-	-	-
Java	2,239	178,538.54	1.25
Indonesia	26,768	435,190.03	6.15

Table 19 : Electrification Ratio and Energy Consumption per Capita**2022**

PLN Operational Unit/ Province	Population (x1.000)	Residential (x1.000)	Residential Customers	Electrification Ratio *) (%)	kWh Sales/Capita
UIW Aceh	-	1,437.06	1,436,434	99.96	-
UIW North Sumatera	-	4,029.07	4,020,964	99.80	-
UIW West Sumatera	-	1,414.45	1,397,547	98.81	-
UIW Riau and Riau Archipelago	-	2,540.95	2,434,965	95.83	-
- Riau	-	1,954.09	1,851,295	94.74	-
- Riau Archipelago	-	586.86	583,670	99.46	-
UIW South Sumatera, Jambi and Bengkulu	-	3,958.83	3,854,960	97.38	-
- South Sumatera	-	2,300.43	2,250,408	97.83	-
- Jambi	-	1,060.73	1,012,999	95.50	-
- Bengkulu	-	597.66	591,553	98.98	-
UIW Bangka Belitung	-	482.98	482,935	99.99	-
UID Lampung	-	2,361.38	2,356,126	99.78	-
UIW West Kalimantan	-	1,397.14	1,312,057	93.91	-
UIW South and Central Kalimantan	-	2,014.95	1,969,903	97.76	-
- South Kalimantan	-	1,296.37	1,292,203	99.68	-
- Central Kalimantan	-	718.58	677,700	94.31	-
UIW East and North Kalimantan	-	1,349.59	1,285,217	95.23	-
UIW North, Central Sulawesi and Gorontalo	-	1,863.84	1,843,794	98.92	-
- North Sulawesi	-	735.37	730,426	99.33	-
- Gorontalo	-	315.45	313,895	99.51	-
- Central Sulawesi	-	813.03	799,473	98.33	-
UIW South, Southeast and West Sulawesi	-	3,630.07	3,447,408	94.97	-
- South Sulawesi	-	2,528.79	2,446,609	96.75	-
- Southeast Sulawesi	-	748.92	685,506	91.53	-
- West Sulawesi	-	352.36	315,293	89.48	-
UIW Maluku and North Maluku	-	770.68	690,591	89.61	-
- Maluku	-	431.33	393,913	91.33	-
- North Maluku	-	339.35	296,678	87.42	-
UIW Papua and West Papua	-	1,129.86	710,095	62.85	-
- Papua	-	272.89	243,468	89.22	-
- West Papua	-	136.91	120,964	88.35	-
- Central Papua	-	234.31	110,977	47.36	-
- South Papua	-	115.61	85,016	73.54	-
- Mountain Papua	-	231.32	27,959	12.09	-
- Southwest Papua	-	238.82	221,711	87.67	-
UID Bali	-	1,343.25	1,343,247	100.00	-
UIW West Nusa Tenggara	-	1,701.09	1,696,435	99.73	-
UIW East Nusa Tenggara	-	1,500.58	1,036,252	69.06	-
Outside Java	-	32,925.78	31,318,930	95.12	-
UID East Java	-	12,068.89	11,980,604	99.27	-
UID Central Java and Yogyakarta	-	11,958.63	11,802,896	98.70	-
- Central Java	-	10,509.23	10,508,156	99.99	-
- D.I. Yogyakarta	-	1,449.40	1,294,740	89.33	-
UID West Java	-	15,724.04	15,673,438	99.68	-
UID Banten	-	4,285.71	4,284,334	99.97	-
UID Jakarta Raya	-	3,267.81	3,267,810	100.00	-
Java	-	47,305.08	47,009,082	99.37	-
Indonesia	-	80,230.86	78,328,012	97.63	-

*) Excluded Non PLN Customer

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Table 20 : Number of Generating Units * **2022**

PLN Operational Unit/ Province	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com- bined Cycle	Geo- thermal	Diesel	Gas Engine	Sun	Wind	Biomass	Total	IPP	Rent- ed	Total
UIW Aceh	-	-	4	-	-	-	-	210	-	-	-	-	214	8	1	223
UIW North Sumatera	-	-	-	-	-	-	-	28	-	-	-	-	28	21	-	49
UIW West Sumatera	3	-	-	-	-	-	-	103	-	2	-	-	108	16	-	124
UIW Riau and Riau Archipelago	-	-	-	-	-	-	-	535	1	4	-	-	540	14	8	562
- Riau	-	-	-	-	-	-	-	251	-	1	-	-	252	13	6	271
- Riau Archipelago	-	-	-	-	-	-	-	284	1	3	-	-	288	1	2	291
UIW South Sumatera, Jambi and Bengkulu	-	-	2	-	-	-	-	149	-	-	-	-	151	31	4	186
- South Sumatera	-	-	-	-	-	-	-	40	-	-	-	-	40	16	-	56
- Jambi	-	-	-	-	-	-	-	46	-	-	-	-	46	5	1	52
- Bengkulu	-	-	2	-	-	-	-	63	-	-	-	-	65	10	3	78
UIW Bangka Belitung	-	-	-	4	-	-	-	106	-	4	-	1	115	9	6	130
UID Lampung	-	-	-	-	-	-	-	44	-	-	-	-	44	7	-	51
UIW West Kalimantan	-	-	6	-	-	-	-	213	-	3	-	-	222	7	4	233
UIW South and Central Kalimantan	-	-	-	-	-	-	-	379	-	-	-	-	379	7	-	386
- South Kalimantan	-	-	-	-	-	-	-	97	-	-	-	-	97	1	-	98
- Central Kalimantan	-	-	-	-	-	-	-	282	-	-	-	-	282	6	-	288
UIW of East and North Kalimantan	-	-	-	-	-	-	-	182	-	1	-	-	183	9	21	213
UIW of North, Central Sulawesi and Gorontalo	-	-	17	-	-	-	-	483	-	8	1	1	510	19	20	549
- North Sulawesi	-	-	6	-	-	-	-	163	-	7	1	-	177	1	4	182
- Gorontalo	-	-	2	-	-	-	-	11	-	1	-	1	15	5	-	20
- Central Sulawesi	-	-	9	-	-	-	-	309	-	-	-	-	318	13	16	347
UIW South, Southeast and West Sulawesi	-	-	-	-	-	-	-	217	-	1-	-	-	227	16	2	245
- South Sulawesi	-	-	-	-	-	-	-	84	-	7	-	-	91	15	1	107
- Southeast Sulawesi	-	-	-	-	-	-	-	125	-	3	-	-	128	1	-	129
- West Sulawesi	-	-	-	-	-	-	-	8	-	-	-	-	8	-	1	9
UIW Maluku and North Maluku	-	-	-	2	-	-	-	745	12	13	-	-	772	1	28	801
- Maluku	-	-	-	2	-	-	-	334	12	8	-	-	356	1	13	370
- North Maluku	-	-	-	-	-	-	-	411	-	5	-	-	416	-	15	431
UIW Papua and West Papua	17	-	-	2	-	-	-	572	24	100	-	-	715	7	40	762
- Papua	11	-	-	-	-	-	-	284	5	58	-	-	358	-	18	376
- West Papua	6	-	-	2	-	-	-	288	19	42	-	-	357	7	22	386
UID Bali	-	-	-	-	-	-	-	5	-	-	3	-	8	5	-	13
UIW West Nusa Tenggara	-	-	4	5	-	-	-	152	20	8	-	-	189	15	12	216
UIW East Nusa Tenggara	4	-	10	4	-	-	5	472	12	40	1	-	548	11	18	577
PT PLN Batam	-	-	-	-	2	1	-	23	3	1	-	-	30	16	1	47
UIK Northern Part of Sumatera	7	-	13	18	10	6	-	58	44	-	-	-	156	3	7	166
UIK Southern Part of Sumatera	15	8	2	14	17	4	2	16	11	-	-	-	89	1	4	94
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	28
UIKL Kalimantan	3	-	-	21	6	3	-	366	42	1	-	-	442	14	55	511
UIKL Sulawesi	18	-	11	12	9	-	4	197	10	-	-	-	261	16	2	279
Outside Java	67	8	69	82	44	14	11	5,255	179	195	5	2	5,931	281	233	6,445
UID East Java	3	2	-	-	-	-	-	79	-	8	-	-	92	5	1	98
UID Central Java and Yogyakarta	-	-	4	-	-	-	-	-	-	-	-	-	4	23	-	27
- Central Java	-	-	3	-	-	-	-	-	-	-	-	-	3	22	-	25
- D.I. Yogyakarta	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	2
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	28
UID Banten	-	-	-	-	-	-	-	5	-	-	-	-	5	4	-	9
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1
PT Indonesia Power	63	-	-	10	14	23	7	18	12	-	-	-	147	-	-	147
PT PJB	33	-	-	8	100	23	-	-	3	-	-	-	77	-	-	77
PJB Sulawesi	-	-	-	-	-	-	-	6	-	-	-	-	6	-	-	6
UIP2B	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	39
UIK Tanjung Jati B	-	-	-	4	-	-	-	-	-	-	-	-	4	-	-	4
UIK Western Part of Java	-	-	-	6	-	16	-	-	-	-	-	-	22	-	-	22
UIK Central Part of Java	-	-	-	9	-	2	-	-	-	-	-	-	11	-	-	11
UIK Eastern Part of Java, Bali and Nusra	-	-	-	5	-	3	-	-	-	-	-	-	8	-	-	8
Java	99	2	4	42	24	67	7	108	15	9	-	-	377	99	1	477
UIW Eastern Part of Kalimantan	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-	2
UIP Western Part of Java	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
UIP Southern Part of Sulawesi	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
UIP Sulawesi	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
UIP Nusa Tenggara	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
Generation Project	-	-	-	6	-	-	-	-	-	-	-	-	6	-	-	6
Indonesia	166	10	73	130	68	81	18	5,363	194	204	5	2	6,314	380	234	6,928

* PLN's Power Plant, Rented and IPP

Table 21 : National Installed Capacity (MW)

2022

PLN Operational Unit/ Province	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com- bined Cycle	Geo- thermal	Diesel	Gas Engine	Sun	Wind	Bio- mass	Total	Rented	IPP	Total	(%)	
UIW Aceh	-	-	2.42	-	-	-	-	139.15	-	-	-	-	141.57	3.00	19.00	163.56	0.24	
UIW North Sumatera	-	-	-	-	-	-	-	3.99	-	-	-	-	3.99	-	146.63	150.62	0.22	
UIW West Sumatera	0.66	-	-	-	-	-	-	35.41	-	0.19	-	-	36.25	-	54.78	91.03	0.13	
UIW Riau and Riau Archipelago	-	-	-	-	-	-	-	243.36	0.10	0.95	-	-	244.41	44.00	306.90	595.31	0.86	
- Riau	-	-	-	-	-	-	-	118.23	-	0.15	-	-	118.38	38.50	306.00	462.88	0.67	
- Riau Archipelago	-	-	-	-	-	-	-	125.13	0.10	0.80	-	-	126.03	5.50	0.90	132.43	0.19	
UIW South Sumatera, Jambi and Bengkulu	-	-	1.60	-	-	-	-	58.35	-	-	-	-	59.95	19.00	186.88	265.83	0.39	
- South Sumatera	-	-	-	-	-	-	-	5.76	-	-	-	-	5.76	-	119.06	124.82	0.18	
- Jambi	-	-	-	-	-	-	-	16.81	-	-	-	-	16.81	8.00	26.20	51.01	0.07	
- Bengkulu	-	-	1.60	-	-	-	-	35.78	-	-	-	-	37.38	11.00	41.62	90	0.13	
UIW Bangka Belitung	-	-	-	93.00	-	-	-	127.92	-	0.33	-	0.02	221.26	35.00	93.00	349.26	0.51	
UID Lampung	-	-	-	-	-	-	-	5.15	-	-	-	-	5.15	-	47.20	52.35	0.08	
UIW West Kalimantan	-	-	2.02	-	-	-	-	73.27	-	0.18	-	-	75.47	11.00	25.24	111.71	0.16	
UIW South & Central Kalimantan	-	-	-	-	-	-	-	60	-	-	-	-	6-	-	18.05	78.05	0.11	
- South Kalimantan	-	-	-	-	-	-	-	16.18	-	-	-	-	16.18	-	2.40	18.58	0.03	
- Central Kalimantan	-	-	-	-	-	-	-	43.82	-	-	-	-	43.82	-	15.65	59.47	0.09	
UIW East and North Kalimantan	-	-	-	-	-	-	-	36.76	-	0.09	-	-	36.85	4.64	35.46	76.95	0.11	
UIW North, Central Sulawesi and Gorontalo	-	-	15.40	-	-	-	-	168.99	-	2.15	0.08	0.50	187.11	62.00	64.95	314.07	0.45	
- North Sulawesi	-	-	5.25	-	-	-	-	46.46	-	2.10	0.08	-	53.89	8.00	3.00	64.89	0.09	
- Gorontalo	-	-	1.20	-	-	-	-	3.53	-	0.04	-	0.50	5.28	-	17.00	22.27	0.03	
- Central Sulawesi	-	-	8.95	-	-	-	-	119.00	-	-	-	-	127.95	54.00	44.95	226.90	0.33	
UIW South, Southeast and West Sulawesi	-	-	-	-	-	-	-	36.62	-	2.50	-	-	39.13	-	88.00	127.13	0.18	
- South Sulawesi	-	-	-	-	-	-	-	10.68	-	2.09	-	-	12.77	-	74.00	86.77	0.13	
- Southeast Sulawesi	-	-	-	-	-	-	-	23.17	-	0.41	-	-	23.59	-	14.00	37.59	0.05	
- West Sulawesi	-	-	-	-	-	-	-	2.77	-	-	-	-	2.77	-	-	2.77	-	
UIW Maluku and North Maluku	-	-	-	14.00	-	-	-	302.72	136.02	2.41	-	-	455.15	146.82	60	661.97	0.96	
- Maluku	-	-	-	14.00	-	-	-	189.08	136.02	1.10	-	-	340.19	119.00	60	519.19	0.75	
- North Maluku	-	-	-	-	-	-	-	113.64	-	1.31	-	-	114.95	27.82	-	142.77	0.21	
UIW Papua and West Papua	29.83	-	-	24.00	-	-	-	248.35	292.05	7.12	-	-	601.35	122.79	89.10	813.24	1.18	
- Papua	4.66	-	-	-	-	-	-	112.37	43.18	3.68	-	-	163.89	53.79	-	217.68	0.32	
- West Papua	25.17	-	-	24.00	-	-	-	135.97	248.87	3.44	-	-	437.45	69.00	89.10	595.55	0.86	
UID Bali	-	-	-	-	-	-	-	1.02	-	0.30	-	-	1.32	-	3.00	4.32	0.01	
UIW West Nusa Tenggara	-	-	2.02	107.00	-	-	-	145.35	244.62	1.14	-	-	500.13	51.00	135.75	686.88	0.99	
UIW East Nusa Tenggara	2.32	-	2.96	47.00	-	-	-	12.50	172.59	119.44	8.87	0.09	-	365.77	87.00	46.03	498.81	0.72
PT PLN Batam	-	-	-	-	93.40	41.89	-	110.43	26.25	1.00	-	-	272.97	25.00	440.32	738.29	1.07	
UIK Northern Part of Sumatra	246.00	-	7.50	1,798.00	302.46	817.88	-	177.29	571.46	-	-	-	3,920.59	164.00	182.50	4,267.09	6.18	
UIK Southern Part of Sumatra	574.60	32.50	1.32	1,109.00	402.87	160.00	110.00	111.36	104.72	-	-	-	2,606.36	133.38	100.00	2,839.74	4.11	
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,194.00	3,194.00	4.63	
UIKL Kalimantan	30.00	-	-	781.00	255.55	60.00	-	655.65	393.92	0.34	-	-	2,176.46	158.78	1,558.00	3,893.24	5.64	
UIKL Sulawesi	202.25	-	9.72	455.50	222.72	-	80.00	371.71	97.80	-	-	-	1,439.69	60	1,571.00	3,070.69	4.45	
Outside Java	1,085.65	32.50	44.97	4,428.50	1,276.99	1,079.77	202.50	3,285.44	1,986.38	27.27	0.47	0.52	13,450.95	1,127.41	8,465.79	23,044.15	33.38	
UID East Java	16.50	1.85	-	-	-	-	-	34.56	-	0.95	-	-	53.86	10.00	16.30	80.16	0.12	
UID Central Java and Yogyakarta	-	-	1.16	-	-	-	-	-	-	-	-	-	1.16	-	33.58	34.73	0.05	
- Central Java	-	-	0.97	-	-	-	-	-	-	-	-	-	0.97	-	32.98	33.95	0.05	
- D.I. Yogyakarta	-	-	0.18	-	-	-	-	-	-	-	-	-	0.18	-	0.60	0.78	-	
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-	-	-	146.23	146.23	0.21	
UID Banten	-	-	-	-	-	-	-	-	-	-	-	-	0.98	-	15.60	16.58	0.02	
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-	0.40	-	-	0.40	-	
PT Indonesia Power	1,131.16	-	-	3,700.00	621.63	3,072.23	376.76	175.61	199.66	-	-	-	9,277.04	-	-	9,277.04	13.44	
PT PJB	1,283.20	-	-	1,800.00	898.20	3,204.96	-	-	3.19	-	-	-	7,189.56	-	-	7,189.56	10.41	
PJB Sulawesi	-	-	-	-	-	-	-	-	68.04	-	-	-	68.04	-	-	68.04	0.10	
UIP2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,284.82	14,284.82	20.69	
UIK Tanjung Jati B	-	-	-	2,840.00	-	-	-	-	-	-	-	-	2,840	-	-	2,840	4.11	
UIK Western Part of Java	-	-	-	2,170.00	-	3,664.89	-	-	-	-	-	-	5,834.89	-	-	5,834.89	8.45	
UIK Central Part of Java	-	-	-	3,330.00	-	242.00	-	-	-	-	-	-	3,572.00	-	-	3,572.00	5.17	
UIK Eastern Part of Java, Bali and Nusra	-	-	-	1,990.00	-	501.00	-	-	-	-	-	-	2,491.00	-	-	2,491.00	3.61	
Java	2,430.86	1.85	1.16	15,830.00	1,519.83	10,685.08	376.76	279.19	202.85	1.35	-	-	31,328.92	10.00	14,496.53	45,835.45	66.39	
UIP Southern Part of Sulawesi	-	-	-	10.00	-	-	-	-	-	-	-	-	10	-	-	10	0.01	
UIP Sulawesi	-	-	-	100.00	-	-	-	-	-	-	-	-	100	-	-	100	0.14	
UIP Nusa Tenggara	-	-	-	50.00	-	-	-	-	-	-	-	-	50	-	-	50	0.07	
Generation Project(*)	-	-	-	160.00	-	-	-	-	-	-	-	-	160	-	-	160	0.23	
Indonesia	3,516.51	34.35	46.12	20,418.50	2,796.82	11,764.85	579.26	3,564.63	2,189.23	28.62	0.47	0.52	44,939.88	1,137.41	22,962.31	69,039.60	100.00	
%	5.09	0.05	0.07	29.57	4.05	17.04	0.84	5.16	3.17	0.04	-	-	65.09	1.65	33.26	100.00	100.00	

*) Including Projects in Commissioning Stage

Annual Data 2022

Table 22 : Rated Capacity (MW)

PLN Operational Unit/ Province	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Combined Cycle	Geothermal
UIW Aceh	-	-	1.95	-	-	-	-
UIW North Sumatera	-	-	-	-	-	-	-
UIW West Sumatera	0.09	-	-	-	-	-	-
UIW Riau and Riau Archipelago	-	-	-	-	-	-	-
- Riau	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-
UIW South Sumatera, Jambi and Bengkulu	-	-	0.90	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-
- Bengkulu	-	-	0.90	-	-	-	-
UIW Bangka Belitung	-	-	-	78.00	-	-	-
UID Lampung	-	-	-	-	-	-	-
UIW West Kalimantan	-	-	1.64	-	-	-	-
UIW South and Central Kalimantan	-	-	-	-	-	-	-
- South Kalimantan	-	-	-	-	-	-	-
- Central Kalimantan	-	-	-	-	-	-	-
UIW East and North Kalimantan	-	-	-	-	-	-	-
UIW North, Central Sulawesi and Gorontalo	-	-	13.18	-	-	-	-
- North Sulawesi	-	-	4.80	-	-	-	-
- Gorontalo	-	-	1.05	-	-	-	-
- Central Sulawesi	-	-	7.33	-	-	-	-
UIW South, Southeast and West Sulawesi	-	-	-	-	-	-	-
- South Sulawesi	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-
UIW Maluku and North Maluku	-	-	-	12.60	-	-	-
- Maluku	-	-	-	12.60	-	-	-
- North Maluku	-	-	-	-	-	-	-
UIW Papua and West Papua	26.00	-	-	20	-	-	-
- Papua	3.86	-	-	-	-	-	-
- West Papua	22.14	-	-	20	-	-	-
UID Bali	-	-	-	-	-	-	-
UIK West Nusa Tenggara	-	-	1.98	85.10	-	-	-
UIK East Nusa Tenggara	2.29	-	2.61	44.00	-	-	9.76
PT PLN Batam	-	-	-	-	88.00	37.54	-
UIK Northern Part of Sumatra	236.82	-	6.79	1,288.00	172.71	619.00	-
UIK Southern Part of Sumatra	569.16	31.91	1.08	885.00	345.62	126.50	103.84
UIP3B Sumatera	-	-	-	-	-	-	-
UIKL Kalimantan	28.50	-	-	629.60	220	45.60	-
UIKL Sulawesi	199.19	-	3.54	405.70	148.00	-	74.90
Outside Java	1,062.04	31.91	33.67	3,448.00	974.33	828.64	188.50
UID East Java	16.50	1.85	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-	-	-
PT Indonesia Power	1,124.65	-	-	3,321.60	422.29	2,510.11	356.60
PT PJB	1,252.82	-	-	1,557.00	871.00	2,853.00	-
PJB Sulawesi	-	-	-	-	-	-	-
UIP2B	-	-	-	-	-	-	-
UIK Tanjung Jati B	-	-	-	2,643.80	-	-	-
UIK Western Part of Java	-	-	-	1,940	-	3,415.30	-
UIK Central Part of Java	-	-	-	3,014.00	-	214.00	-
UIK Eastern Part of Java, Bali and Nusra	-	-	-	1,821.00	-	455.00	-
Java	2,393.97	1.85	-	14,297.40	1,293.29	9,447.41	356.60
UIP Southern Part of Sulawesi	-	-	-	10.00	-	-	-
Generation Project	-	-	-	10.00	-	-	-
Indonesia	3,456.01	33.76	33.67	17,755.40	2,267.62	10,276.05	545.10
%	5,60	0,05	0,05	28,76	3,67	16,65	0,88

Diesel	Gas Engine	Sun	Wind	Biomass	Total	Rented	IPP	Total	(%)
98.64	-	-	-	-	100.59	3.00	19.00	122.59	0.20
2.81	-	-	-	-	2.81	-	146.63	149.44	0.24
13.84	-	-	-	-	13.92	-	47.60	61.52	0.10
157.39	0.10	0.72	-	-	158.21	43.55	290.90	492.66	0.80
61.42	-	0.02	-	-	61.44	38.50	290	389.94	0.63
95.97	0.10	0.70	-	-	96.77	5.05	0.90	102.72	0.17
14.66	-	-	-	-	15.56	19.00	182.58	217.14	0.35
-	-	-	-	-	-	-	119.06	119.06	0.19
1.20	-	-	-	-	1.20	8.00	22.20	31.40	0.05
13.46	-	-	-	-	14.36	11.00	41.32	66.68	0.11
106.81	-	0.33	-	0.02	185.15	35.00	87.00	307.15	0.50
1.40	-	-	-	-	1.40	-	44.20	45.59	0.07
44.70	-	0.10	-	-	46.44	11.00	25.24	82.68	0.13
41.73	-	-	-	-	41.73	-	13.20	54.93	0.09
11.78	-	-	-	-	11.78	-	1.20	12.98	0.02
29.95	-	-	-	-	29.95	-	12.00	41.95	0.07
16.86	-	0.05	-	-	16.91	2.22	26.30	45.43	0.07
79.64	-	1.56	-	-	94.37	53.56	59.14	207.08	0.34
21.24	-	1.54	-	-	27.58	7.10	3.00	37.68	0.06
1.20	-	0.02	-	-	2.27	-	16.60	18.87	0.03
57.20	-	-	-	-	64.53	46.46	39.54	150.53	0.24
19.65	-	2.15	-	-	21.80	-	88.00	109.80	0.18
6.78	-	1.82	-	-	8.60	-	74.00	82.60	0.13
11.61	-	0.33	-	-	11.94	-	14.00	25.94	0.04
1.26	-	-	-	-	1.26	-	-	1.26	-
133.56	118.89	1.68	-	-	266.73	147.07	-	413.80	0.67
76.67	118.89	0.73	-	-	208.90	118.45	-	327.35	0.53
56.89	-	0.94	-	-	57.83	28.62	-	86.45	0.14
182.09	268.55	5.17	-	-	501.81	81.73	12.90	596.44	0.97
68.85	42.18	3.09	-	-	117.97	43.33	-	161.30	0.26
113.24	226.37	2.08	-	-	383.84	38.40	12.90	435.14	0.70
0.18	-	-	-	-	0.18	-	2.40	2.58	-
77.31	240.76	1.13	-	-	406.28	59.00	135.75	601.03	0.97
84.43	110.90	7.46	-	-	261.44	87.00	46.03	394.47	0.64
41.59	22.50	1.00	-	-	190.63	25.00	408.00	623.63	1.01
111.08	529.53	-	-	-	2,963.93	118.00	182.50	3,264.43	5.29
45.88	93.50	-	-	-	2,202.49	133.38	100.00	2,435.87	3.95
-	-	-	-	-	-	-	2,816.90	2,816.90	4.56
303.28	348.04	0.05	-	-	1,575.07	79.27	1,558.00	3,212.34	5.20
187.60	97.80	-	-	-	1,116.73	60.00	1,571.00	2,747.74	4.45
1,765.12	1,830.57	21.39	-	0.02	10,184.18	957.78	7,863.27	19,005.22	30.79
20.88	-	0.95	-	-	40.18	10.00	16.30	66.48	0.11
-	-	-	-	-	-	-	32.98	32.98	0.05
-	-	-	-	-	-	-	0.60	0.60	-
-	-	-	-	-	-	-	146.23	146.23	0.24
0.66	-	-	-	-	0.66	-	15.60	16.26	0.03
-	-	0.30	-	-	0.30	-	-	0.30	-
-	-	0.30	-	-	0.30	-	-	0.30	-
163.73	182.40	-	-	-	8,081.37	-	-	8,081.37	13.09
-	3.00	-	-	-	6,536.82	-	-	6,536.82	10.59
62.20	-	-	-	-	62.20	-	-	62.20	0.10
-	-	-	-	-	-	-	14,264.43	14,264.43	23.11
-	-	-	-	-	2,643.80	-	-	2,643.80	4.28
-	-	-	-	-	5,355.30	-	-	5,355.30	8.68
-	-	-	-	-	3,228.00	-	-	3,228.00	5.23
-	-	-	-	-	2,276.00	-	-	2,276.00	3.69
247.47	185.40	1.25	-	-	28,224.63	10.00	14,476.13	42,710.76	69.19
-	-	-	-	-	10.00	-	-	10.00	0.02
-	-	-	-	-	10.00	-	-	10.00	0.02
2,012.59	2,015.97	22.64	-	0.02	38,418.81	967.78	22,339.40	61,725.98	100.00
3.26	3.27	0.04	-	-	62.24	1,57	36.19	100.00	100.00

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Table 23 : Energy Production by Type of Power Plant (GWh)

PLN Operational Unit/ Province	Own Generated									
	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Combined Cycle	Geother- mal	Diesel	Gas Engine	Sun
UIW Aceh	-	-	3.53	-	-	-	-	128.89	-	-
UIW North Sumatera	-	-	-	-	-	-	-	5.08	-	-
UIW West Sumatera	-	-	-	-	-	-	-	22.04	-	-
UIW Riau and Riau Archipelago	-	-	-	-	-	-	-	500.53	0.26	0.05
- Riau	-	-	-	-	-	-	-	192.04	-	-
- Riau Archipelago	-	-	-	-	-	-	-	308.50	0.26	0.04
UIW South Sumatera, Jambi and Bengkulu	-	-	0.34	-	-	-	-	14.17	-	-
- South Sumatera	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-
- Bengkulu	-	-	0.34	-	-	-	-	14.17	-	-
UIW Bangka Belitung	-	-	-	489.53	-	-	-	223.87	-	0.01
UID Lampung	-	-	-	-	-	-	-	1.81	-	-
UIW West Kalimantan	-	-	7.15	-	-	-	-	103.01	-	-
UIW South and Central Kalimantan	-	-	-	-	-	-	-	63.70	-	-
- South Kalimantan	-	-	-	-	-	-	-	15.12	-	-
- Central Kalimantan	-	-	-	-	-	-	-	48.57	-	-
UIW East Kalimantan and North	-	-	-	-	-	-	-	40.43	-	0.08
UIW North, Central Sulawesi and Gorontalo	-	-	52.32	-	-	-	-	213.67	-	0.30
- North Sulawesi	-	-	21.55	-	-	-	-	55.92	-	0.25
- Gorontalo	-	-	23.95	-	-	-	-	157.75	-	-
- Central Sulawesi	-	-	6.83	-	-	-	-	-	-	0.04
UIW South, Southeast and West Sulawesi	-	-	-	-	-	-	-	34.95	-	1.82
- South Sulawesi	-	-	-	-	-	-	-	9.25	-	1.77
- Southeast Sulawesi	-	-	-	-	-	-	-	25.70	-	0.06
- West Sulawesi	-	-	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	-	-	-	68.96	-	-	-	231.15	528.31	0.01
- Maluku	-	-	-	68.96	-	-	-	109.21	528.31	-
- North Maluku	-	-	-	-	-	-	-	121.94	-	0.01
UIW Papua and West Papua	77.70	-	-	68.50	-	-	-	130.98	1,369.83	1.83
- Papua	12.92	-	-	-	-	-	-	77.85	178.82	1.17
- West Papua	64.78	-	-	68.50	-	-	-	53.13	1,191.01	0.66
UID Bali	-	-	-	-	-	-	-	-	-	-
UIW West Nusa Tenggara	-	-	7.10	597.52	-	-	-	236.35	1,267.83	0.74
UIW East Nusa Tenggara	11.44	-	5.49	357.51	-	-	55.37	59.92	311.65	3.24
PT PLN Batam	-	-	-	-	651.99	242.36	-	25.07	141.66	0.05
UIK Northern Part of Sumatra	943.64	-	43.89	7,474.70	132.52	2,734.20	-	38.65	2,200.40	-
UIK Southern Part of Sumatra	2,620.43	161.98	1.33	5,806.27	501.55	721.53	794.56	14.20	533.39	-
UIP3B Sumatra	-	-	-	-	-	-	-	-	-	-
UIKL Kalimantan	156.71	-	-	4,436.26	304.08	9.25	-	583.32	941.14	0.13
UIKL Sulawesi	1,358.19	-	6.85	2,346.73	195.84	-	552.63	285.85	274.09	-
Outside Java	5,168.12	161.98	128.02	21,645.99	1,785.97	3,707.34	1,402.56	2,957.65	7,568.58	8.27
UID East Java	63.80	10.81	-	-	-	-	-	70.82	-	0.59
UID Central Java and Yogyakarta	-	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-	-	1.06	-	-
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	0.24
PT Indonesia Power	4,564.44	-	-	23,351.60	123.45	5,651.69	2,735.63	117.10	966.20	-
PT PJB	3,077.84	-	-	5,094.34	236.34	8,571.28	-	-	21.48	-
PJB Sulawesi	-	-	-	-	-	-	-	63.04	-	-
UIP2B	-	-	-	-	-	-	-	-	-	-
UIK Tanjung Jati B	-	-	-	20,544.36	-	-	-	-	-	-
UIK Western Part of Java	-	-	-	12,760.41	-	14,182.12	-	-	-	-
UIK Central Part of Java	-	-	-	19,405.66	-	822.80	-	-	-	-
UIK Eastern Part of Java, Bali and Nusa	-	-	-	12,513.73	-	10.22	-	-	-	-
Java	7,706.08	10.81	-	93,670.10	359.79	29,238.11	2,735.63	252.02	987.68	0.83
UIP Generation of Sumatra	-	-	-	-	-	-	-	-	-	-
UIP Western Part of Kalimantan	-	-	-	-	-	-	-	-	-	-
UIP Central Part of Kalimantan	-	-	-	-	-	-	-	-	-	-
UIP Eastern Part of Kalimantan	-	-	-	-	-	-	-	-	-	-
UIP Western Part of Java	-	-	-	-	-	-	-	-	-	-
UIP Central Part of Java I	-	-	-	-	-	-	-	-	-	-
UIP Eastern Part of Java and Bali II	-	-	-	-	-	-	-	-	-	-
UIP Southern Part of Sulawesi	-	-	-	-	-	-	-	-	-	-
UIP Northern Part of Sulawesi	-	-	-	-	-	-	-	-	-	-
UIP Sulawesi	-	-	-	-	-	-	-	-	-	-
UIP Nusa Tenggara	-	-	-	-	-	-	-	-	-	-
Generation Projects	-	-	-	-	-	-	-	-	-	-
Indonesia	12,874.20	172.79	128.02	115,316.09	2,145.76	32,945.45	4,138.19	3,209.67	8,556.26	9.09
%	4.18	0.06	0.04	37.44	0.70	10.70	1.34	1.04	2.78	-

Rented Generated									Sub Total	Purchased and Project	Total	%
Wind	Biomass	Diesel	Gas Engine	Gas Turbine	Combined Cycle	Steam	Hydro	Sun				
-	-	22.10	1.97	-	-	-	-	-	156.48	113.47	269.95	0.09
-	-	-	-	-	-	-	-	-	5.08	858.90	863.98	0.28
-	-	-	-	-	-	-	-	-	22.04	258.50	280.54	0.09
-	-	117.47	151.32	-	-	-	-	-	769.63	1,861.06	2,630.69	0.85
-	-	82.24	151.32	-	-	-	-	-	425.59	1,853.90	2,279.49	0.74
-	-	35.24	-	-	-	-	-	-	344.04	7.15	351.19	0.11
-	-	88.67	44.99	-	-	-	-	-	148.18	988.38	1,136.56	0.37
-	-	-	-	-	-	-	-	-	-	636.26	636.26	0.21
-	-	-	44.99	-	-	-	-	-	44.99	103.37	148.37	0.05
-	-	88.67	-	-	-	-	-	-	103.19	248.75	351.94	0.11
-	-	189.51	-	-	-	-	-	-	902.92	359.81	1,262.73	0.41
-	-	-	-	-	-	-	-	-	1.81	59.69	61.49	0.02
-	-	68.71	-	-	-	-	-	-	178.87	34.65	213.52	0.07
-	-	-	-	-	-	-	-	-	63.70	32.31	96.01	0.03
-	-	-	-	-	-	-	-	-	15.12	11.64	26.76	0.01
-	-	-	-	-	-	-	-	-	48.57	20.67	69.24	0.02
-	-	3.77	-	-	-	-	-	-	44.28	168.97	213.24	0.07
-	-	323.02	-	-	-	-	-	-	589.31	264.16	853.47	0.28
-	-	43.54	-	-	-	-	-	-	121.26	20.34	141.60	0.05
-	-	279.48	-	-	-	-	-	-	461.18	204.63	665.81	0.22
-	-	-	-	-	-	-	-	-	6.87	39.19	46.06	0.01
-	-	-	-	-	-	-	-	-	36.77	453.10	489.88	0.16
-	-	-	-	-	-	-	-	-	11.02	371.63	382.64	0.12
-	-	-	-	-	-	-	-	-	25.76	81.47	107.23	0.03
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	505.11	5.85	-	-	-	-	-	1,339.40	86.98	1,426.38	0.46
-	-	294.52	5.85	-	-	-	-	-	1,006.86	86.98	1,093.84	0.36
-	-	210.59	-	-	-	-	-	-	332.55	-	332.55	0.11
-	-	479.33	-	-	-	-	-	-	2,128.16	26.81	2,154.97	0.70
-	-	252.13	-	-	-	-	-	-	522.89	-	522.89	0.17
-	-	227.20	-	-	-	-	-	-	1,605.27	26.81	1,632.08	0.53
-	-	-	-	-	-	-	-	-	9.59	-	9.59	-
-	-	320.80	-	-	-	-	-	-	2,430.35	290.26	2,720.61	0.88
-	-	385.63	-	-	-	-	-	-	1,190.26	223.19	1,413.45	0.46
-	-	-	24.29	-	-	-	-	-	1,085.43	2,585.38	3,670.80	1.19
-	-	22.66	302.15	-	-	-	-	-	13,892.82	381.51	14,274.34	4.63
-	-	-	77.62	0.75	-	-	-	-	11,233.61	450.61	11,684.22	3.79
-	-	255.99	246.62	-	-	376.28	307.93	-	-	17,844.74	17,844.74	5.79
-	-	-	-	-	-	-	-	-	6,933.50	6,790.12	13,723.62	4.46
-	-	-	-	-	-	-	-	-	5,704.41	7,877.29	13,581.70	4.41
-	-	2,782.77	854.80	0.75	376.28	307.93	-	-	48,856.99	42,019.47	90,876.47	29.51
-	-	0.98	-	-	-	-	-	-	147.00	45.86	192.87	0.06
-	-	-	-	-	-	-	-	-	-	146.37	146.37	0.05
-	-	-	-	-	-	-	-	-	-	142.85	142.85	0.05
-	-	-	-	-	-	-	-	-	-	3.51	3.51	-
-	-	-	-	-	-	-	-	-	-	575.71	575.71	0.19
-	-	-	-	-	-	-	-	-	1.06	75.51	76.57	0.02
-	-	-	-	-	-	-	-	-	0.24	-	0.24	-
-	-	-	-	-	-	-	-	-	37,510.12	3.19	37,513.32	12.18
-	-	-	-	-	-	-	-	-	17,001.27	-	17,001.27	5.52
-	-	-	-	-	-	-	-	-	63.04	-	63.04	0.02
-	-	-	-	-	-	-	-	-	-	80,799.12	80,799.12	26.23
-	-	-	-	-	-	-	-	-	-	-	20,544.36	6.67
-	-	-	-	-	-	-	-	-	-	-	26,942.53	8.75
-	-	-	-	-	-	-	-	-	-	-	20,228.46	6.57
-	-	-	-	-	-	-	-	-	-	-	12,523.94	4.07
-	-	0.98	-	-	-	-	-	-	134,962.04	81,645.77	216,607.81	70.33
-	-	-	-	-	-	-	-	-	-	3.06	3.06	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	261.36	261.36	0.08
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	18.14	18.14	0.01
-	-	-	-	-	-	-	-	-	-	1.89	1.89	-
-	-	-	-	-	-	-	-	-	-	233.58	233.58	0.08
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	518.02	518.02	0.17
-	-	2,783.75	854.80	0.75	376.28	307.93	-	-	183,819.03	124,183.27	308,002.30	100.00
-	-	0.90	0.28	-	0.12	0.10	-	-	59.68	40.32	100.00	-

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Table 24 : Consumption of Fuel

2022

PLN Operational Unit/ Province	Oil (kilo litre)									Coal (ton)	Natural Gas (MMSCF)	Biomass (ton)
	HSD	IDO	MFO	Bio Diesel	Olein	Bio HSD	HFO	Bio Fame	CPO	Total		
UIW Aceh	-	-	-	-	-	30,283.15	-	12,926.11	-	43,209.26	-	20.10
UIW North Sumatera	-	-	-	-	-	1,524.57	-	381.14	-	1,905.72	-	-
UIW West Sumatera	-	-	-	-	-	4,883.42	-	2,092.86	-	6,976.27	-	-
UIW Riau and Riau Archipelago	-	-	-	-	-	126,458.79	-	49,887.20	-	176,345.99	-	1,492.88
- Riau	-	-	-	-	-	54,737.44	-	21,915.57	-	76,653.02	-	1,492.88
- Riau Archipelago	-	-	-	-	-	71,721.35	-	27,971.63	-	99,692.98	-	-
UIW of South Sulawesi, Jambi and Bengkulu	-	-	-	-	-	19,463.77	-	8,341.62	-	27,805.39	-	469.86
- South Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-	-	469.86
- Bengkulu	-	-	-	-	-	19,463.77	-	8,341.62	-	27,805.39	-	-
UIW Bangka Belitung	100,994.72	-	-	-	-	80,459.41	-	34,507.69	-	215,961.82	535,591.16	-
UID Lampung	-	-	-	-	-	446.74	-	180.56	-	627.30	-	-
UIW West Kalimantan	-	-	-	-	-	35,947.62	-	15,405.24	-	51,352.86	-	-
UIW South and Central Kalimantan	-	-	-	-	-	15,159.23	-	5,781.57	-	20,940.79	-	-
- South Kalimantan	-	-	-	-	-	4,005.35	-	1,001.34	-	5,006.69	-	-
- Central Kalimantan	-	-	-	-	-	11,153.87	-	4,780.23	-	15,934.10	-	-
UIW East and North Kalimantan	-	-	-	-	-	9,450.45	-	4,050.19	-	13,500.64	-	-
UIW North, Central Sulawesi and Gorontalo	-	-	-	-	-	109,005.60	-	46,716.69	-	155,722.29	-	-
- North Sulawesi	-	-	-	-	-	20,714.63	-	8,877.70	-	29,592.32	-	-
- Gorontalo	-	-	-	-	-	-	-	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-	88,290.97	-	37,838.99	-	126,129.96	-	-
UIW South, Southeast and West Sulawesi	-	-	-	-	-	7,197.08	-	3,084.46	-	10,281.54	-	-
- South Sulawesi	-	-	-	-	-	1,976.87	-	847.23	-	2,824.11	-	-
- Southeast Sulawesi	-	-	-	-	-	5,220.20	-	2,237.23	-	7,457.43	-	-
- West Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	4,375.00	-	-	-	-	234,663.68	18,353.10	100,570.13	-	357,961.91	80,119.23	-
- Maluku	4,375.00	-	-	-	-	168,309.09	18,353.10	72,132.45	-	263,169.63	80,119.23	-
- North Maluku	-	-	-	-	-	66,354.59	-	28,437.68	-	94,792.27	-	-
UIW Papua and West Papua	32,793.62	-	-	-	-	280,116.67	-	119,245.39	-	432,155.68	84,093.46	2,470.62
- Papua	1,786.37	-	-	-	-	93,786.14	-	39,990.80	-	135,563.31	-	-
- West Papua	31,007.25	-	-	-	-	186,330.53	-	79,254.60	-	296,592.38	84,093.46	2,470.62
UID Bali	-	-	-	-	-	-	-	-	-	-	-	-
UIW West Nusa Tenggara	31,357.15	-	107,238.32	-	-	231,788.41	-	99,337.88	-	469,721.75	573,478.27	-
UIW East Nusa Tenggara	-	-	22,736.65	-	-	122,365.21	-	51,275.46	-	196,377.33	538,941.40	-
PT PLN Batam	3.21	-	4,395.81	-	-	1,743.19	-	747.08	-	6,889.30	567,233.65	24,787.51
UIK Northern Part of Sumatera	121,022.14	-	-	-	-	56,192.85	-	24,082.63	-	201,297.62	5,634,280.61	46,000.85
UIK Southern Part of Sumatera	7,930.61	103.65	114.91	-	-	8,413.27	-	3,580.91	-	20,143.35	3,938,972.00	22,498.22
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	-	16,670.91
UIKL Kalimantan	1,412.07	-	1,061.93	-	-	174,785.33	-	74,926.68	-	252,186.00	3,729,314.09	15,458.72
UIKL Sulawesi	19,560.68	-	-	-	-	102,641.80	-	43,989.34	-	166,191.83	2,196,327.35	4,821.14
Outside Java	319,449.21	103.65	135,547.61	-	-	1,652,990.24	18,353.10	701,110.83	-	2,827,554.65	17,878,351.21	134,690.82
UID East Java	-	-	-	-	-	13,804.00	-	5,916.43	-	19,720.42	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	218.06	-	93.46	-	311.52	-	-
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	52,046.27	-	25,049.46	-	-	6,221.77	-	2,666.47	-	85,983.96	12,848,609.23	59,940.62
PT PJB	8,569.11	-	1,760.84	-	-	1,050.17	-	450.07	-	11,830.19	2,775,728.34	80,362.48
PJB Sulawesi	-	-	13,855.34	-	-	31.66	-	13.57	-	13,900.57	-	-
UIP2B	-	-	-	-	-	-	-	-	-	-	-	-
UIK Tanjung Jati B	-	-	-	-	-	2,268.71	-	972.30	-	3,241.01	8,637,557.60	-
UIK Western Part of Java	-	-	-	-	-	6,168.82	-	2,643.78	-	8,812.61	8,141,018.22	100,030.67
UIK Central Part of Java	-	-	-	-	-	4,263.26	-	1,827.11	-	6,090.37	12,007,541.19	6,459.35
UIK Eastern Part of Java, Bali and Nusra	-	-	-	-	-	1,408.76	-	603.75	-	2,012.51	7,714,795.62	93.26
Java	60,615.38	-	40,665.63	-	-	35,435.20	-	15,186.94	-	151,903.16	52,125,250.20	246,886.39
UIP Generation of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
UIP Western Part of Kalimantan	90.05	-	-	-	-	-	-	-	-	90.05	-	42.43
UIP Central Part of Kalimantan	-	-	-	-	-	-	-	-	-	-	-	-
UIP Eastern Part of Kalimantan	-	-	-	-	-	-	-	-	-	-	-	-
UIP Western Part of Java	-	-	-	-	-	2,716.36	-	1,164.15	-	3,880.51	194,991.63	-
UIP Central Part of Java I	-	-	-	-	-	-	-	-	-	-	-	-
UIP Eastern Part of Java and Bali II	-	-	-	-	-	-	-	-	-	-	-	-
UIP Southern Part of Sulawesi	-	-	-	-	-	-	-	-	-	32,264.48	-	-
UIP Northern Part of Sulawesi	0.01	-	-	-	-	3,137.34	-	1,344.58	-	0.01	5,139.70	-
UIP Sulawesi	-	-	-	-	-	-	-	-	-	4,481.92	208,164.30	-
UIP Nusa Tenggara	-	-	-	-	-	-	-	-	-	-	-	-
Generation Project	90.06	-	-	-	-	5,853.70	-	2,508.73	-	8,452.49	440,560.11	42.43
Indonesia	380,154.65	103.65	176,213.25	-	-	1,694,279.15	18,353.10	718,806.51	-	2,987,910.30	70,444,161.53	381,619.65
<i>Note: Consumption of Fuel from Generation own by PLN, rented, IPP and Project</i>												

Table 25 : Unit Price of Fuel**2022**

PLN Operational Unit/Province	Oil (Rp/litre)*)				Coal (Rp/kg)	Natural Gas (Rp/ MMSCF)	Geo- thermal (Rp/kWh)
	HSD *)	IDO	MFO	Average			
UIW Aceh	13,224.10	-	-	13,224.10	-	7,112.01	-
UIW North Sumatera	13,498.29	-	-	13,498.22	-	-	-
UIW West Sumatera	13,893.45	-	-	13,893.47	-	-	-
UIW Riau and Riau Archipelago	12,468.12	-	-	12,468.12	-	69,349.45	-
UIW South Sumatera, Jambi and Bengkulu	13,817.81	-	-	13,817.81	-	96,470.81	-
UIW Bangka Belitung	12,986.30	-	-	12,986.30	784.05	-	-
UID Lampung	16,474.27	-	-	16,474.27	-	-	-
UIW West Kalimantan	13,997.19	-	-	13,997.19	-	-	-
UIW South and Central Kalimantan	13,187.78	-	-	13,187.78	-	-	-
UIW East and North Kalimantan	16,430.95	-	-	16,430.95	-	152,599.38	-
UIW North, Central Sulawesi, and Gorontalo	13,719.63	-	-	13,719.63	-	-	-
UIW South, Southeast and West Sulawesi	13,883.07	-	-	13,883.07	-	-	-
UIW Maluku and North Maluku	13,592.65	-	-	13,592.95	855.23	-	-
UIW Papua and West Papua	13,672.84	-	-	13,672.84	1,550.36	-	-
UID Bali	-	-	-	-	-	-	-
UIW West Nusa Tenggara	13,518.37	-	9,393.22	12,576.59	875.90	-	-
UIW East Nusa Tenggara	14,715.67	-	-	13,011.88	836.64	-	64.06
PT PLN Batam	11,701.81	-	8,292.85	9,526.66	973.85	77,739.13	-
PT PLN Tarakan	-	-	-	-	-	-	-
UIK Northern Part of Sulawesi	13,251.10	-	-	13,251.10	917.97	163,775.75	-
UIK Southern Part of Sulawesi	14,569.89	27,046.27	-	14,593.24	832.50	84,149.37	781.74
UIP3B Sumatera	-	-	-	-	-	-	-
UIKL Kalimantan	13,301.31	-	4,158.39	13,262.81	714.71	123,546.00	-
UIKL Sulawesi	13,084.89	-	-	13,084.89	652.74	-	1,173.44
Outside Java	13,492.12	27,046.27	7,740.03	13,216.87	820.81	106,063.00	889.34
UID East Java	14,381.73	-	-	14,381.74	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-
UID Banten	14,540.18	-	-	14,540.18	-	-	-
UID Jakarta Raya	-	-	-	-	-	-	-
PT Indonesia Power	11,231.43	-	9,458.53	10,714.93	918.97	113,877.17	959.00
PT PJB	13,116.98	-	63,966.90	20,685.63	841.42	109,869.56	-
UIK Tanjung Jati B	24,007.49	-	-	24,007.49	991.94	-	-
UIK Western Part of Java	-	-	-	-	-	-	-
UIK Central Part of Java	-	-	-	-	-	-	-
UIK Eastern Part of Java, Bali and Nusra	-	-	-	-	-	-	-
J a v a	13,402.19	-	8,596.12	12,115.56	888.43	114,874.62	959.00
I n d o n e s i a **)	11,157.28	27,046.27	7,937.60	13,123.49	865.71	111,751.82	937.06

*) BBM Unit price (HSD, IDO, MFO) including transportation costs and fuel mix cost (biodiesel, etc).

**) Including project fuel.

Annual Data 2022

Table 26 : Energy Production by Type of Fuel (GWh)

2022

PLN Operational Unit/Province	Oil (Kilo litre)									Coal	Natural Gas	Bio-mass	Total	
	HSD	IDO	MFO	Bio-diesel	Olein	Bio HSD	HFO	Bio Fame	CPO					
UIW Aceh	-	-	-	-	-	110.14	-	40.84	-	150.98	-	1.97	-	152.95
UIW North Sumatera	-	-	-	-	-	4.07	-	1.02	-	5.08	-	-	30.18	35.26
UIW West Sumatera	-	-	-	-	-	16.05	-	5.99	-	22.04	-	-	-	22.04
UIW Riau and Riau Archipelago	-	-	-	-	-	460.17	-	158.59	-	618.76	5.11	1,999.61	7.15	2,630.64
- Riau	-	-	-	-	-	203.94	-	71.09	-	275.03	5.11	1,999.35	-	2,279.49
- Riau Archipelago	-	-	-	-	-	256.24	-	87.50	-	343.73	-	0.26	7.15	351.15
UIW South Sumatera, Jambi and Bengkulu	-	-	-	-	-	74.94	-	27.90	-	102.84	180.50	467.40	29.74	780.48
- South Sumatera	-	-	-	-	-	-	-	-	-	-	134.27	376.44	7.08	517.78
- Jambi	-	-	-	-	-	-	-	-	-	-	46.23	90.97	10.13	147.32
- Bengkulu	-	-	-	-	-	74.94	-	27.90	-	102.84	-	-	12.53	115.37
UIW Bangka Belitung	302.69	-	-	-	-	289.37	-	124.01	-	716.06	488.07	-	58.58	1,262.72
UID Lampung	-	-	-	-	-	1.32	-	0.49	-	1.81	27.59	-	10.13	39.52
UIW West Kalimantan	-	-	-	-	-	121.58	-	50.13	-	171.72	-	-	17.68	189.40
UIW South and Central Kalimantan	-	-	-	-	-	45.89	-	17.80	-	63.70	6.69	-	25.62	96.01
- South Kalimantan	-	-	-	-	-	11.02	-	4.10	-	15.12	-	-	11.64	26.76
- Central Kalimantan	-	-	-	-	-	34.87	-	13.70	-	48.57	6.69	-	13.98	69.24
UIW East and North Kalimantan	-	-	-	-	-	32.14	-	12.06	-	44.20	151.02	-	17.94	213.16
UIW North, Central Sulawesi and Gorontalo	-	-	-	-	-	384.92	-	151.77	-	536.69	27.58	-	-	564.27
- North Sulawesi	-	-	-	-	-	71.33	-	28.12	-	99.45	-	-	-	99.45
- Gorontalo	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-	313.59	-	123.64	-	437.23	27.58	-	-	464.81
UIW South, Southeast and West Sulawesi	-	-	-	-	-	25.47	-	9.48	-	34.95	81.47	-	-	116.42
- South Sulawesi	-	-	-	-	-	6.74	-	2.51	-	9.25	-	-	-	9.25
- Southeast Sulawesi	-	-	-	-	-	18.73	-	6.97	-	25.70	81.47	-	-	107.17
- West Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	17.27	-	-	-	-	890.31	86.98	362.85	-	1,357.41	68.96	-	-	1,426.37
- Maluku	17.27	-	-	-	-	647.99	86.98	272.64	-	1,024.88	68.96	-	-	1,093.84
- North Maluku	-	-	-	-	-	242.32	-	90.21	-	332.53	-	-	-	332.53
UIW Papua and West Papua	127.89	-	-	-	-	1,119.83	-	436.46	-	1,684.18	68.50	302.94	18.81	2,074.43
- Papua	2.62	-	-	-	-	356.07	-	150.11	-	508.80	-	-	-	508.80
- West Papua	125.27	-	-	-	-	763.76	-	286.35	-	1,175.38	68.50	302.94	18.81	1,565.63
UID Bali	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UIW West Nusa Tenggara	79.66	-	429.83	-	-	1,009.28	-	385.88	-	1,904.64	704.65	-	4.21	2,613.50
UIW East Nusa Tenggara	-	-	95.00	-	-	486.22	-	175.99	-	757.21	532.51	-	1.28	1,291.00
PT PLN Batam	0.01	-	16.22	-	-	6.19	-	2.65	-	25.07	782.04	2,863.64	-	3,670.75
UIK Northern Part of Sumatera	374.59	-	-	-	-	153.33	-	65.71	-	593.63	7,459.26	5,218.47	15.44	13,286.80
UIK Southern Part of Sumatera	16.57	0.47	0.38	-	-	9.74	-	3.62	-	30.77	5,789.44	2,268.87	16.83	8,105.91
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	6,730.60	3,301.58	-	10,032.18
UIKL Kalimantan	3.82	-	4.06	-	-	652.14	-	253.83	-	913.86	9,738.14	1,986.89	130.51	12,769.39
UIKL Sulawesi	54.11	-	-	-	-	391.96	-	167.98	-	614.05	7,116.14	1,149.53	6.97	8,886.69
Outside Java	976.61	0.47	545.48	-	-	6,285.06	86.98	2,455.05	-	10,349.65	39,958.27	19,560.89	391.07	70,259.88
UID East Java	-	-	-	-	-	50.26	-	21.54	-	71.80	-	-	35.62	107.42
UID Central Java and Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-	8.64	8.64
UID Banten	-	-	-	-	-	0.75	-	0.32	-	1.06	-	-	-	1.06
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	146.35	-	104.57	-	-	9.12	-	3.40	-	263.43	23,198.57	6,598.21	153.03	30,213.24
PT PJB	32.90	-	7.06	-	-	-	-	-	-	39.95	4,694.84	9,085.64	103.00	13,923.44
PJB Sulawesi	-	-	63.03	-	-	-	-	-	-	63.04	-	-	-	63.04
UIP2B	-	-	-	-	-	-	-	-	-	-	71,995.38	1,162.67	-	73,158.05
UIK Tanjung Jati B	-	-	-	-	-	-	-	-	-	-	20,544.36	-	-	20,544.36
UIK Western Part of Java	-	-	-	-	-	-	-	-	-	-	12,651.84	14,182.12	108.58	26,942.53
UIK Central Part of Java	-	-	-	-	-	-	-	-	-	-	19,317.77	822.80	87.89	20,228.46
UIK Eastern Part of Java, Bali, Nusra	-	-	-	-	-	-	-	-	-	-	12,432.89	10.22	80.84	12,523.94
Java	179.24	-	174.65	-	-	60.13	-	25.26	-	439.28	164,835.64	31,861.67	577.60	197,714.19
UIP Western Part of Kalimantan	-	-	-	-	-	-	-	-	-	-	-	3.06	-	3.06
UIP Eastern Part of Kalimantan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UIP Western Part of Java	-	-	-	-	-	0.17	-	0.07	-	0.24	261.13	-	-	261.36
UIP Southern Part of Sulawesi	-	-	-	-	-	-	-	-	-	-	-	18.14	-	18.14
UIP Northern Part of Sulawesi	-	-	-	-	-	-	-	-	-	-	-	1.89	-	1.89
UIP Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-	-	233.58
Generation Project	-	-	-	-	-	0.17	-	0.07	-	0.24	514.73	3.06	-	518.02
Indonesia	1,155.85	0.47	720.13	-	-	6,345.36	86.98	2,480.38	-	10,789.17	205,308.63	51,425.62	968.67	268,492.09

Note: Energy Production from Generation own by PLN, rented, IPP and Project

Table 27 : Captive Power**2022**

PLN Operational Unit/Province	Number of Captive Power (CP)			Installed Capacity (kVA)			kVA PLN Connected with
	Pure CP	Reserve CP	Total	Pure CP	Reserve CP	Total	
UIW Aceh	7	-	7	44,215.00	-	44,215.00	-
UIW North Sumatera	-	256	256	-	-	-	168,231.60
UIW West Sumatera	19	-	19	38,192.00	-	38,192.00	-
UIW Riau and Riau Archipelago	133	3	136	518,470.50	29,411.76	547,882.26	19,565.00
- Riau	113	-	113	512,107.60	-	512,107.60	-
- Riau Archipelago	20	3	23	6,362.90	29,411.76	35,774.66	19,565.00
UIW South Sumatera, Jambi and Bengkulu	-	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-
UIW Bangka Belitung	3	-	3	1,380.00	-	1,380.00	-
UID Lampung	25	-	25	25,307.00	-	25,307.00	-
UIW West Kalimantan	8	188	196	4,281.00	185,829.00	190,110.00	185,829.00
UIW South and Central Kalimantan	-	3	3	-	304.50	304.50	304.50
- South Kalimantan	-	3	3	-	304.50	304.50	304.50
- Central Kalimantan	-	-	-	-	-	-	-
UIW East and North Kalimantan	14	-	14	86.48	-	86.48	-
UIW North, Central Sulawesi and Gorontalo	28	-	28	20,728.00	-	20,728.00	-
- North Sulawesi	8	-	8	12,185.00	-	12,185.00	-
- Gorontalo	2	-	2	743.00	-	743.00	-
- Central Sulawesi	18	-	18	7,800.00	-	7,800.00	-
UIW South, Southeast and West Sulawesi	-	-	-	-	-	-	-
- South Sulawesi	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-
UIW Maluku and North Maluku	5	-	5	53,860,000.00	-	53,860,000.00	-
- Maluku	2	-	2	2,055,000.00	-	2,055,000.00	-
- North Maluku	3	-	3	51,805,000.00	-	51,805,000.00	-
UIW Papua and West Papua	-	5	5	-	1,100.00	1,100.00	1,343.00
- Papua	-	1	1	-	200.00	200.00	197.00
- West Papua	-	4	4	-	900.00	900.00	1,146.00
UID Bali	-	513	513	-	434,958.00	434,958.00	520,643.00
UIW West Nusa Tenggara	-	-	-	-	-	-	-
UIW East Nusa Tenggara	-	-	-	-	-	-	-
PT PLN Batam	1	14	15	18,000.00	139,517.00	157,517.00	63,145.90
PLN Tarakan	-	-	-	-	-	-	-
UIK Northern Part of Sumatera	-	-	-	-	-	-	-
UIK Southern Part of Sumatera	-	-	-	-	-	-	-
UIP3B Sumatera	-	-	-	-	-	-	-
Outside Java	243	982	1,225	54,530,659.98	791,120.26	55,321,780.25	959,062.00
UID East Java	164	648	812	198,134.00	667,695.62	865,829.62	740,158.00
UID Central Java and Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
UID West Java	-	-	-	-	747,655.00	747,655.00	1,493,861.00
UID Banten	9	11	20	886.00	317.24	1,203.23	597.59
UID Jakarta Raya	-	6	6	-	63,977.00	63,977.00	64,300.00
PT Indonesia Power	-	-	-	-	-	-	-
PT PJB	-	-	-	-	-	-	-
UIP2B	-	-	-	-	-	-	-
Java	173	665	838	199,020.00	1,479,644.85	1,678,664.85	2,298,916.59
Indonesia	416	1,647	2,063	54,729,679.99	2,270,765.12	57,000,445.10	3,257,978.59

CP Pure = Business/Government/Private that use own electric power as main resources in the production process

CP Reserve = Captive Power that become a customer of PLN

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Table 28 : Length of Transmission Lines (kmc)

2022

PLN Operational Unit/Province	Voltage					Total
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV	
UIW Aceh	-	-	-	-	-	-
UIW North Sumatera	-	-	-	-	-	-
UIW West Sumatera	-	-	-	-	-	-
UIW Riau and Riau Archipelago	-	-	179.08	-	-	179.08
- Riau	-	-	-	-	-	-
- Riau Archipelago	-	-	179.08	-	-	179.08
UIW South Sumatera, Jambi and Bengkulu	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-
UIW Bangka Belitung	-	140.06	715.55	-	-	855.61
UID Lampung	-	-	-	-	-	-
UIW West Kalimantan	-	-	1,852.08	162.74	-	2,014.83
UIW South and Central Kalimantan	-	123.08	4,202.32	-	-	4,325.40
- South Kalimantan	-	123.08	1,986.89	-	-	2,109.97
- Central Kalimantan	-	-	2,215.42	-	-	2,215.42
UIW East and North Kalimantan	-	-	1,955.27	-	-	1,955.27
UIW North, Central Sulawesi and Gorontalo	0.76	450.62	2,127.00	-	-	2,578.38
- North Sulawesi	0.76	306.82	1,140.46	-	-	1,448.04
- Gorontalo	-	-	419.95	-	-	419.95
- Central Sulawesi	-	143.80	566.59	-	-	710.39
UIW South, Southeast and West Sulawesi	3.40	145.30	5,820.41	3.41	-	5,972.52
- South Sulawesi	3.40	119.90	3,264.96	3.41	-	3,391.67
- Southeast Sulawesi	-	25.40	1,603.68	-	-	1,629.08
- West Sulawesi	-	-	951.77	-	-	951.77
UIW Maluku and North Maluku	-	196.30	150.41	-	-	346.71
- Maluku	-	196.30	67.97	-	-	264.27
- North Maluku	-	-	82.44	-	-	82.44
UIW Papua and West Papua	-	50.58	84.90	-	-	135.48
- Papua	-	50.58	53.90	-	-	104.48
- West Papua	-	-	31.00	-	-	31.00
UID Bali	-	-	-	-	-	-
UIW West Nusa Tenggara	-	344.42	889.61	-	-	1,234.03
UIW East Nusa Tenggara	-	932.19	657.72	-	-	1,589.91
PT PLN Batam	-	-	200.91	-	-	200.91
PT PLN Tarakan	-	-	-	-	-	-
UIP Northern Part of Sumatera	-	-	-	-	-	-
UIK Southern Part of Sumatera	-	-	-	-	-	-
UIP3B Sumatera	-	531.21	15,931.52	3,661.96	321.18	20,445.88
Outside Java	4.16	2,913.77	34,766.77	3,828.12	321.18	41,834.00
UID East Java	-	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-	-
PT PJB	-	-	-	-	-	-
UIT Western Part of Java	-	237.39	2,517.95	-	1,103.99	3,859.32
UIT Central Part of Java	40.64	1,491.04	8,209.70	-	4,201.99	13,943.37
UIT Eastern Part of Java and Bali	56.15	1,268.01	5,901.18	-	1,343.76	8,569.11
Java	96.79	2,996.44	16,628.83	-	6,649.74	26,371.81
Indonesia	100.95	5,910.21	51,395.60	3,828.12	6,970.92	68,205.81

Notes: Voltage of 25-30 kV not included in the distribution because it still maintained by the transmission and plant management

Table 29 : Length of Medium and Low Voltage Lines (kmc)**2022**

PLN Operational Unit/Province	Medium Voltage			Low Voltage
	6 - 7 kV	10 - 12 kV	15-20 kV	
UIW Aceh	-	-	14,323.50	16,471.01
UIW North Sumatera	-	-	30,256.95	32,443.99
UIW West Sumatera	-	-	11,296.28	18,298.25
UIW Riau and Riau Archipelago	-	-	17,800.74	28,548.12
- Riau	-	-	15,228.07	26,214.15
- Riau Archipelago	-	-	2,572.67	2,333.97
UIW South Sumatera, Jambi and Bengkulu	-	-	29,991.00	24,382.20
- South Sumatera	-	-	15,794.93	10,817.35
- Jambi	-	-	9,376.26	7,291.25
- Bengkulu	-	-	4,819.81	6,273.60
UIW Bangka Belitung	-	-	5,982.36	5,701.37
UID Lampung	-	-	14,749.45	18,306.16
UIW West Kalimantan	-	-	14,314.01	15,374.56
UIW South and Central Kalimantan	-	-	17,887.38	16,074.17
- South Kalimantan	-	-	9,608.83	10,820.48
- Central Kalimantan	-	-	8,278.56	5,253.69
UIW East and North Kalimantan	-	-	10,465.87	8,841.03
UIW North, Central Sulawesi and Gorontalo	-	-	16,126.24	14,890.62
- North Sulawesi	-	-	5,679.87	6,239.22
- Gorontalo	-	-	2,541.67	1,981.15
- Central Sulawesi	-	-	7,904.70	6,670.25
UIW South, Southeast and West Sulawesi	-	-	27,422.93	27,462.70
- South Sulawesi	-	-	16,793.55	18,795.61
- Southeast Sulawesi	-	-	7,059.88	6,120.74
- West Sulawesi	-	-	3,569.49	2,546.35
UIW Maluku and North Maluku	-	-	8,107.88	4,623.61
- Maluku	-	-	4,503.32	2,383.30
- North Maluku	-	-	3,604.56	2,240.31
UIW Papua and West Papua	-	-	7,138.22	10,286.83
- Papua	-	-	4,869.33	8,222.61
- West Papua	-	-	2,268.90	2,064.22
UID Bali	-	-	8,767.96	14,823.11
UIW West Nusa Tenggara	-	-	9,446.17	9,444.47
UIW East Nusa Tenggara	-	-	6,949.15	7,840.39
PT PLN Batam	-	-		
PT PLN Tarakan	-	-	-	-
UIP Northern Part of Sumatera	-	-	-	-
UIK Southern Part of Sumatera	-	-	-	-
UIP3B Sumatera	-	-	-	-
Outside Java	-	-	251,026.12	273,812.56
UID East Java	-	-	41,194.36	79,414.08
UID Central Java and Yogyakarta	-	-	54,806.08	56,284.24
- Central Java	-	-	48,974.75	50,129.21
- D.I. Yogyakarta	-	-	5,831.33	6,155.03
UID West Java	-	-	48,946.58	129,576.53
UID Banten	-	-	16,138.10	25,800.43
UID Jakarta Raya	-	-	18,397.91	38,265.10
PT Indonesia Power	-	-	-	-
PT PJB	-	-	-	-
UIT Western Part of Java	-	-	-	-
UIT Central Part of Java	-	-	-	-
UIT Eastern Part of Java and Bali	-	-	-	-
Java	-	-	179,483.03	329,340.38
Indonesia	-	-	430,509.15	603,152.94

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Table 30 : Number and Total Capacity of Substation Transformers

2022

PLN Operational Unit/Province	500 kV		275 kV		150 kV		70 kV		<30 kV		Total	
	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA
UIW Aceh	-	-	-	-	-	-	-	-	-	-	-	-
UIW North Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
UIW West Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
UIW Riau and Riau Archipelago	-	-	-	-	10	350.00	-	-	-	-	10	350.00
- Riau	-	-	-	-	-	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	10	350.00	-	-	-	-	10	350.00
UIW South Sumatera, Jambi and Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
UIW Bangka Belitung	-	-	-	-	11	570.00	5	150.00	-	-	16	720.00
UID Lampung	-	-	-	-	-	-	-	-	-	-	-	-
UIW West Kalimantan	-	-	2	498.00	35	1,425.00	-	-	-	-	37	1,923.00
UIW South and Central Kalimantan	-	-	-	-	75	2,972.00	14	148.00	-	-	89	3,120.00
- South Kalimantan	-	-	-	-	42	1,752.00	14	148.00	-	-	56	1,900.00
- Central Kalimantan	-	-	-	-	33	1,220.00	-	-	-	-	33	1,220.00
UIW East and North Kalimantan	-	-	-	-	53	2,150.00	-	-	-	-	53	2,150.00
UIW North, Central Sulawesi and Gorontalo	-	-	-	-	51	2,100.00	29	614.00	-	-	80	2,714.00
- North Sulawesi	-	-	-	-	27	1,090.00	23	464.00	-	-	50	1,554.00
- Gorontalo	-	-	-	-	9	380.00	-	-	-	-	9	380.00
- Central Sulawesi	-	-	-	-	15	630.00	6	150.00	-	-	21	780.00
UIW South, Southeast and West Sulawesi	-	-	2	340.00	109	3,718.30	18	295.00	2	30	131	4,383.30
- South Sulawesi	-	-	2	340.00	85	2,892.30	13	200.00	2	30	102	3,462.30
- Southeast Sulawesi	-	-	-	-	13	510.00	5	95.00	-	-	18	605.00
- West Sulawesi	-	-	-	-	11	316.00	-	-	-	-	11	316.00
UIW Maluku and North Maluku	-	-	-	-	15	710.00	5	110.00	-	-	20	820.00
- Maluku	-	-	-	-	8	390.00	5	80.00	-	-	13	470.00
- North Maluku	-	-	-	-	7	320.00	-	-	-	-	7	320.00
UIW Papua and West Papua	-	-	-	-	13	570.00	15	226.03	-	-	28	796.03
- Papua	-	-	-	-	7	390.00	15	226.03	-	-	22	616.03
- West Papua	-	-	-	-	6	180.00	-	-	-	-	6	180.00
UID Bali	-	-	-	-	0	-	-	-	-	-	-	-
UIW West Nusa Tenggara	-	-	-	-	28	1,295.00	8	190.00	-	-	36	1,485.00
UIW East Nusa Tenggara	-	-	-	-	7	330.00	18	425.00	-	-	25	755.00
PT PLN Batam	-	-	-	-	21	870.00	-	-	-	-	21	870.00
PT PLN Tarakan	-	-	-	-	-	-	-	-	-	-	-	-
UIK Northern Part of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
UIK Southern Part of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
UIP3B Sumatera	2	1,000.00	38	10,660.21	357	17,449.00	26	730.00	-	-	423	29,839.21
Outside Java	2	1,000.00	42	11,498.21	785	34,509.30	138	2,888.03	2	30	969	49,925.54
UID East Java	-	-	-	-	-	-	-	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-	-	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-	-	-	-	-	-	-	-
PT PJB	-	-	-	-	-	-	-	-	-	-	-	-
UIT Western Part of Java	34	15,834.21	-	-	386	23,006.00	8	220.00	-	-	428	39,060.21
UIT Central Part of Java	29	14,500.00	-	-	451	27,121.00	66	1,603.00	-	-	546	43,224.00
UIT Eastern Part of Java and Bali	19	9,515.10	-	-	309	18,214.00	55	1,428.00	-	-	383	29,157.10
Java	82	39,849.31	-	-	1,146	68,341.00	129	3,251.00	-	-	1,357	111,441.31
Indonesia	84	40,849.31	42	11,498.21	1,931	102,850.30	267	6,139.03	2	30	2,326	161,366.85

Table 31 : Number and Total Capacity of Substation Transformers**2022**

PLN Operational Unit/Province	20 kV		12-15 kV		6-7 kV		Total	
	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA
UIW Aceh	14,425	1,196.39	-	-	-	-	14,425	1,196.39
UIW North Sumatera	36,874	3,880.23	-	-	-	-	36,874	3,880.23
UIW West Sumatera	11,166	1,211.91	-	-	-	-	11,166	1,211.91
UIW Riau and Riau Archipelago	15,638	1,996.70	-	-	-	-	15,638	1,996.70
- Riau	13,046	1,656.51	-	-	-	-	13,046	1,656.51
- Riau Archipelago	2,592	340.19	-	-	-	-	2,592	340.19
UIW South Sumatera, Jambi and Bengkulu	29,857	2,773.45	-	-	-	-	29,857	2,773.45
- South Sumatera	16,345	1,609.59	-	-	-	-	16,345	1,609.59
- Jambi	9,377	790.51	-	-	-	-	9,377	790.51
- Bengkulu	4,135	373.35	-	-	-	-	4,135	373.35
UIW Bangka Belitung	4,617	511.58	-	-	-	-	4,617	511.58
UID Lampung	15,243	1,913.92	-	-	-	-	15,243	1,913.92
UIW West Kalimantan	10,933	1,180.67	-	-	-	-	10,933	1,180.67
UIW South and Central Kalimantan	17,883	1,659.06	-	-	-	-	17,883	1,659.06
- South Kalimantan	11,324	1,121.51	-	-	-	-	11,324	1,121.51
- Central Kalimantan	6,559	537.54	-	-	-	-	6,559	537.54
UIW East and North Kalimantan	11,103	1,521.84	-	-	-	-	11,103	1,521.84
UIW North, Central Sulawesi and Gorontalo	15,194	1,307.19	-	-	-	-	15,194	1,307.19
- North Sulawesi	5,713	550.16	-	-	-	-	5,713	550.16
- Gorontalo	2,680	234.86	-	-	-	-	2,680	234.86
- Central Sulawesi	6,801	522.17	-	-	-	-	6,801	522.17
UIW South, Southeast and West Sulawesi	29,317	2,817.62	-	-	-	-	29,317	2,817.62
- South Sulawesi	20,604	2,156.16	-	-	-	-	20,604	2,156.16
- Southeast Sulawesi	5,427	434.60	-	-	-	-	5,427	434.60
- West Sulawesi	3,286	226.86	-	-	-	-	3,286	226.86
UIW Maluku and North Maluku	5,353	527.00	-	-	-	-	5,353	527.00
- Maluku	3,056	298.12	-	-	-	-	3,056	298.12
- North Maluku	2,297	228.88	-	-	-	-	2,297	228.88
UIW Papua and West Papua	6,072	749.93	-	-	-	-	6,072	749.93
- Papua	3,867	455.13	-	-	-	-	3,867	455.13
- West Papua	2,205	294.80	-	-	-	-	2,205	294.80
UID Bali	12,932	2,099.23	-	-	-	-	12,932	2,099.23
UIW West Nusa Tenggara	6,092	449.75	-	-	-	-	6,092	449.75
UIW East Nusa Tenggara	6,233	832.86	-	-	-	-	6,233	832.86
PT PLN Batam	-	-	-	-	-	-	-	-
PT PLN Tarakan	-	-	-	-	-	-	-	-
UIK Northern Part of Sumatera	-	-	-	-	-	-	-	-
UIK Southern Part of Sumatera	-	-	-	-	-	-	-	-
UIP3B Sumatera	-	-	-	-	-	-	-	-
Outside Java	248,932	26,629.33	-	-	-	-	248,932	26,629.33
UID East Java	66,706	8,627.34	-	-	-	-	66,706	8,627.34
UID Central Java and Yogyakarta	144,758	8,318.02	-	-	-	-	144,758	8,318.02
- Central Java	126,859	7,289.28	-	-	-	-	126,859	7,289.28
- D.I. Yogyakarta	17,899	1,028.74	-	-	-	-	17,899	1,028.74
UID West Java	59,251	10,057.28	-	-	-	-	59,251	10,057.28
UID Banten	17,155	4,023.75	-	-	-	-	17,155	4,023.75
UID Jakarta Raya	14,050	7,783.57	-	-	-	-	14,050	7,783.57
PT Indonesia Power	-	-	-	-	-	-	-	-
PT PJB	-	-	-	-	-	-	-	-
UIT Western Part of Java	-	-	-	-	-	-	-	-
UIT Central Part of Java	-	-	-	-	-	-	-	-
UIT Eastern Part of Java and Bali	-	-	-	-	-	-	-	-
Java	301,920	38,809.96	-	-	-	-	301,920	38,809.96
Indonesia	550,852	65,439.30	-	-	-	-	550,852	65,439.30

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Table 32 : Balance Sheet (million Rp) **2022**

Description	Description	December 2021	
FIXED ASSETS	EQUITY	991,450,566	
- Total Fixed Assets	1,355,295,882		
- Accumulation Depreciation	(62,939,849)		
- Impairment Losses Accumulation	(3,674,774)		
Total Fixed Assets (Net)	1,288,681,259	Total Equity	
		991,450,566	
	LONG TERM LIABILITIES	501,617,259	
P D P and ATTB	144,367,723	- Deffered Tax Liabilities	48,427,461
Right-of-use Assets	29,005,193	- Long Term Loan	367,419,545
Other Non-Current Assets	29,434,865	- Other Long Term Liabilities	20,731,673
Receivables from Government	2,587,938	- Employee Benefit Liabilities	65,038,580
Investments in Associates and Joint Ventures	24,243,468		
Deferred Tax Assets	427,448		
CURRENT ASSETS	SHORT TERM LIABILITIES	145,071,451	
- Cash & Bank	51,503,096	- Trade Payables	51,083,262
- Receivables from Government	18,882,562	- Short Term Loan	41,565,592
- Temporary Investment	533,332	- Other Short Term Liabilities	43,111,481
- Receivable	24,757,282	- Employee Benefit Liabilities	9,311,116
- Inventories	17,534,804		
- Other Current Assets	6,180,306		
Total Current Assets	119,391,382	Total Long Term & Short Term Liabilities	646,688,710
TOTAL ASSETS	TOTAL EQUITY & LIABILITIES	1,638,139,276	

Table 33 : Profit and Loss (million Rp)**2022**

Description	December 2022
OPERATION REVENUE	
- Electricity Sales	
- Connection Fees	311,057,224
- Government Subsidy	857,468
- Compensation Revenue	58,831,960
- Others	63,649,821
Total Operation Revenue	6,735,470
Total Operation Revenue	441,131,943
OPERATION COST	
- Fuel and Lubricant Oil	151,376,726
- Electricity Purchase and Rented Generation	130,230,383
- Rented	2,793,187
- Maintenance	23,948,698
- Personnel	24,884,860
- Property, Plant and Equipment Depreciation	40,992,657
- Right-of-use Assets Depreciation	3,063,978
- Others	8,903,313
Total Operation Cost	386,193,802
OPERATING PROFIT	
Other Income (Expenses) - Net	54,938,141
Other Profit (Loss) - Exchange Rate	2,841,675
Finance Income	(19,790,474)
Finance Expenses	687,495
	(17,135,165)
PROFIT BEFORE TAX	21,541,672
TAX BENEFIT (EXPENSES)	(7,126,952)
PROFIT (LOSS) FOR THE YEAR	14,414,720

Table 34 : Fixed Asset and Depreciation (million Rp)**2022**

F u n g s i	S a l d o 2022	Impairment Losses Accumulation	Accumulated Depreciation	Book Value 2022
- Hydro	96,532,115.83	(128,441.89)	(2,526,426.48)	93,877,247.46
- Steam	309,881,497.89	(387,103.82)	(16,986,070.56)	292,508,323.51
- Diesel	24,763,874.75	(598,666.69)	(2,075,001.69)	22,090,206.37
- Gas Turbine	58,855,832.58	(142,613.76)	(2,987,052.45)	55,726,166.37
- Geothermal	16,023,243.64	(443.20)	(653,128.00)	15,369,672.45
- Combined Cycle	190,252,577.02	(98,609.82)	(6,805,015.27)	183,348,951.94
- Sun	1,357,204.55	(141,697.66)	(69,018.94)	1,146,487.95
- Transmission	341,194,888.04	(1,914,486.54)	(9,732,811.05)	329,547,590.45
- Data Tele Information	11,004,552.74	(52,449.71)	(3,774,469.99)	7,177,633.04
- Distribution and UPD	259,002,800.52	(136,003.68)	(12,153,600.95)	246,713,195.90
- T U L	4,508,826.04	(11,382.84)	(533,064.39)	3,964,378.81
- General	41,918,468.48	(62,874.36)	(4,644,189.17)	37,211,404.95
TOTAL	1,355,295,882.09	(3,674,773.96)	(62,939,848.94)	1,288,681,259.18

Annual Data 2022

Table 35 : Accounts Receivable (million Rp)

2022

PLN Operational Unit	Non					Total
	Public	Armed Force	Non Armed Force	Local Government	BUMN	
UIW Aceh	161,151.33	21,279.82	3,424.29	70,521.57	8,238.44	264,615.45
UIW North Sumatera	904,750.01	21,289.36	15,568.94	68,548.73	20,688.23	1,030,845.27
UIW West Sumatera	184,525.45	5,201.96	6,749.86	24,611.06	51,729.25	272,817.57
UIW Riau and Riau Archipelago	637,575.88	15,231.31	6,295.52	39,200.99	78,376.33	776,680.04
UIW South Sumatera, Jambi and Bengkulu	670,860.22	18,362.96	11,656.41	84,626.95	28,969.19	814,475.73
UIW Bangka Belitung	59,796.66	2,471.47	1,339.35	4,001.94	3,005.38	70,614.79
UID Lampung	466,313.46	3,149.33	5,453.13	26,296.40	4,499.32	505,711.64
UIW West Kalimantan	187,198.56	10,872.56	4,286.35	14,427.97	3,605.72	220,391.17
UIW South and Central Kalimantan	319,223.66	14,999.30	7,922.60	31,751.80	14,866.82	388,764.17
UIW East and North Kalimantan	360,722.44	31,372.55	8,001.96	30,981.37	23,328.19	454,406.52
UIW North, Central Sulawesi and Gorontalo	358,666.24	19,098.44	9,789.95	49,177.80	7,612.41	444,344.83
UIW South, Southeast and West Sulawesi	943,931.94	29,499.57	16,324.04	41,877.76	47,909.21	1,079,542.52
UIW Maluku and North Maluku	73,502.45	25,623.38	6,803.73	6,877.33	6,795.00	119,601.89
UIW Papua and West Papua	87,655.94	36,182.24	6,766.32	13,683.30	7,607.08	151,894.87
UID Bali	450,050.10	6,893.12	7,559.02	16,225.68	6,775.45	487,503.36
UIW West Nusa Tenggara	124,929.93	5,005.68	2,774.05	14,276.40	3,837.81	150,823.87
UIW East Nusa Tenggara	21,968.90	5,535.99	4,207.45	5,814.19	7,928.63	45,455.17
PT PLN Batam	364,315.59	5,363.82	2,000.90	3,899.19	582.20	376,161.70
Outside Java	6,377,138.74	277,432.86	126,923.87	546,800.42	326,354.66	7,654,650.55
UID East Java	3,084,214.34	48,005.94	39,118.89	110,122.26	116,937.26	3,398,398.68
UID Central Java and Yogyakarta	2,018,331.02	33,301.49	42,807.71	101,185.29	43,661.96	2,239,287.48
UID West Java	4,900,456.15	71,048.80	42,577.22	122,983.15	56,709.12	5,193,774.44
UID Banten	2,880,122.07	11,698.79	11,019.29	23,767.64	87,975.59	3,014,583.38
UID Jakarta Raya	3,421,644.64	220,648.64	133,190.24	95,155.46	24,594.54	3,895,233.52
Java	16,304,768.23	384,703.66	268,713.35	453,213.80	329,878.47	17,741,277.50
Indonesia	22,681,906.97	662,136.52	395,637.22	1,000,014.22	656,233.13	25,395,928.06

Note: Data from AP2T Application

Table 36 : Average Collection Rate**2022**

PLN Operational Unit	Sales (million Rp)	Accounts Receivable (million Rp)	Average (day)
UIW Aceh	3,169,860.30	264,615.45	30.47
UIW North Sumatera	13,657,082.12	1,030,845.27	27.55
UIW West Sumatera	3,997,069.69	272,817.57	24.91
UIW Riau and Riau Archipelago	8,732,099.94	776,680.04	32.47
UIW South Sumatera, Jambi and Bengkulu	10,734,493.35	814,475.73	27.69
UIW Bangka Belitung	1,880,964.69	70,614.79	13.70
UID Lampung	5,836,114.55	505,711.64	31.63
UIW West Kalimantan	3,473,571.51	220,391.17	23.16
UIW South and Central Kalimantan	5,717,645.35	388,764.17	24.82
UIW East and North Kalimantan	5,740,416.33	454,406.52	28.89
UIW North, Central Sulawesi and Gorontalo	4,518,353.18	444,344.83	35.89
UIW South, Southeast and West Sulawesi	10,764,478.40	1,079,542.52	36.60
UIW Maluku and North Maluku	1,562,502.32	119,601.89	27.94
UIW Papua and West Papua	2,486,011.53	151,894.87	22.30
UID Bali	7,147,173.78	487,503.36	24.90
UIW West Nusa Tenggara	2,383,894.84	150,823.87	23.09
UIW East Nusa Tenggara	1,460,257.21	45,455.17	11.36
PT PLN Batam	4,180,901.45	376,161.70	32.84
Outside Java	97,442,890.53	7,654,650.55	28.67
UID East Java	44,002,627.20	3,398,398.68	28.19
UID Central Java and Yogyakarta	32,423,939.74	2,239,287.48	25.21
UID West Java	62,900,363.72	5,193,774.44	30.14
UID Banten	29,870,292.40	3,014,583.38	36.84
UID Jakarta Raya	44,698,953.02	3,895,233.52	31.81
Java	213,896,176.08	17,741,277.50	30.27
Indonesia	311,339,066.61	25,395,928.06	29.77

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Table 37 : Generation Cost

2022

Generation Type	Generation Cost (million Rp)					
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Total
Hydro	488,102.58	462,248.72	2,336,895.97	70,877.59	338,591.31	3,696,716.16
Steam	64,371,943.52	2,338,455.93	12,520,405.63	293,325.13	1,606,411.22	81,130,541.42
Diesel **)	29,854,015.36	2,141,117.76	1,177,783.48	96,342.71	708,326.97	33,977,586.28
Gas Turbine	15,836,596.84	994,298.90	2,006,165.91	152,747.20	284,316.29	19,274,125.14
Geothermal	3,968,874.69	118,548.66	496,700.63	20,356.63	106,485.13	4,710,965.74
Combined Cycle	36,857,083.17	1,686,842.26	5,738,210.66	130,611.59	612,088.81	45,024,836.49
Sun	109.39	7,698.16	65,572.27	472.71	3,070.84	76,923.38
Total	151,376,725.54	7,749,210.38	24,341,734.55	764,733.56	3,659,290.57	187,891,694.60

*) Including lubricants

**) Including Gas Engine

Table 38 : Average Generation Cost per kWh

2022

Generation Type	Average Generation Cost per kWh (Rp/kWh) ***)						
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Interest Expense	
Hydro	37.05	35.09	177.37	5.38	25.70	92.63	373.22
Steam	558.22	20.28	108.57	2.54	13.93	33.98	737.52
Diesel **)	4,596.48	667.08	366.95	30.02	220.69	97.55	5,978.77
Gas Turbine	1,446.63	92.91	187.46	14.27	26.57	69.53	1,837.37
Geothermal	95.91	2.86	12.00	0.49	2.57	4.90	118.74
Combined Cycle	111.87	5.12	17.42	0.40	1.86	7.30	143.97
Sun	1.20	84.65	721.03	5.20	33.77	188.68	1,034.52
Average	978.20	129.71	227.26	8.33	46.44	70.65	1,460.59

*) Including lubricants

**) Including Gas Engine

*** Own generator operating costs (owned by PLN) including from Project

Table 39 : Financial Ratios**2022**

Indicator	Unit	2022
I. Financial Indicators		
- Cash Ratio	%	35.87
- Rentability Ratio	%	1.45
- Solvability Ratio	%	39.48
- Liquidity Ratio	%	82.30
II. Financial Covenant *)		
- CICR	Times	4.43
- Financial Liabilities to Total Assets	%	24.97
- EBITDA Interest Coverage Ratio	Times	5.89
III. Operating Activity (Financial)		
- Fixed Assets Turnover	Times	0.22
- Average Period or Receivable Collection	Day	28.49
- Receivable Turnover	Times	12.81
- Material Turnover	Times	3.61

*) Calculation of Financial Covenant based on financial statements by excluding the impact of ISAK 8 as stated in the Global Bonds indenture and Local Bonds Trustee Agreement

Annual Data 2022

Table 40 : Number of Employees by Grade

2022

PLN Operational Unit/ Province	08'	08	09	10	11'	11	12'	12	13'	13	14'	14	15	16	17'	17	18	19	20	21	23	25	Total
UIW Aceh	1	42	123	92	136	156	93	12	77	55	27	10	15	4	3	-	1	2	-	-	-	-	849
UIW North Sumatera	-	96	153	81	267	245	127	31	124	69	24	16	16	5	3	1	3	1	-	-	-	-	1,262
UIW West Sumatera	-	83	73	112	126	148	71	31	79	61	19	6	7	6	1	-	1	-	-	-	-	-	824
UIW Riau and Riau Archipelago	-	58	123	111	121	135	59	47	108	67	17	5	15	2	1	-	3	1	-	1	-	-	874
UIW South Sumatera, Jambi and Bengkulu	-	65	110	69	225	209	95	36	98	60	24	9	18	5	2	-	5	-	-	1	-	-	1,031
UIW Bangka Belitung	-	24	69	12	76	51	37	11	23	21	6	5	10	5	1	-	4	-	-	-	-	-	355
UID Lampung	-	23	48	66	117	115	65	18	56	30	9	7	7	4	1	-	1	-	1	-	-	-	568
UIW West Kalimantan	-	21	110	101	140	115	47	16	73	55	8	8	12	1	2	1	3	-	-	-	-	-	713
UIW South and Central Kalimantan	-	77	98	99	120	139	60	21	72	81	28	7	11	4	1	-	3	2	-	-	-	-	823
UIW East and North Kalimantan	-	99	80	128	137	73	45	15	41	29	26	6	12	4	1	1	-	-	1	-	-	-	698
UIW North, Central Sulawesi and Gorontolo	-	71	167	143	174	147	92	45	88	47	26	11	8	6	3	1	-	-	-	1	-	-	1,030
UIW South, Southeast and West Sulawesi	-	167	241	141	256	241	107	19	93	81	39	12	23	1	4	-	4	1	-	-	-	-	1,430
UIW Maluku and North Maluku	5	126	175	122	177	63	46	41	72	62	18	8	8	3	-	1	1	-	-	-	-	-	928
UIW Papua and West Papua	1	158	262	127	255	79	50	33	103	40	11	6	9	2	1	1	1	-	-	-	-	-	1,140
UID Bali	-	35	14	77	83	116	48	25	108	44	14	4	14	2	1	1	3	2	-	1	-	-	592
UIW West Nusa Teng- gara	-	137	96	114	131	87	69	45	112	42	9	3	11	3	2	-	-	1	-	1	-	-	863
UIW East Nusa Teng- gara	1	133	125	103	116	102	68	51	92	39	16	10	7	4	-	1	-	1	-	-	-	-	869
PT PLN Batam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500
PT PLN Tarakan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112
PT Mandau Cipta Tenaga Nusantara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
UIK Northern Part of Sumatera	-	60	58	220	286	154	64	18	98	70	19	5	9	1	-	1	2	1	-	1	-	-	1,067
UIK Southern Part of Sumatera	-	130	100	189	266	151	110	19	183	83	27	3	9	5	4	2	-	1	-	-	-	-	1,282
UIP3B Sumatera	-	283	472	147	280	260	139	39	128	63	24	12	17	5	2	2	-	1	-	-	-	-	1,874
UIKL Sulawesi	-	144	212	241	204	246	89	24	70	70	15	6	19	1	1	-	3	1	-	-	-	-	1,346
UIKL Kalimantan	-	121	256	273	249	143	93	36	100	82	12	10	13	3	4	1	2	-	-	-	-	-	1,398
Outside Java	8	2,153	3,165	2,768	3,942	3,175	1,674	633	1,998	1,251	418	169	270	76	38	14	40	16	2	6	-	-	22,465
UID East Java	-	155	227	193	337	342	203	69	416	143	60	23	22	16	6	3	3	3	2	1	-	-	2,224
UID Central Java and Yogyakarta	-	116	175	121	310	321	135	59	264	127	53	7	19	11	6	6	6	2	3	-	-	-	1,741
UID West Java	1	123	262	169	407	422	198	35	183	166	80	20	18	10	8	2	3	1	-	1	-	-	2,109
UID Banten	-	31	83	90	145	180	76	14	70	56	21	6	11	3	-	1	1	2	-	1	-	-	791
UID Jakarta Raya	-	72	146	58	206	281	133	45	194	136	70	20	12	9	5	4	2	2	-	-	1	-	1,396
PT Indonesia Power	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,195
PT PJB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,970
UIT Western Part of Java	-	102	234	77	162	157	62	23	168	64	24	5	13	3	1	-	2	-	1	-	-	-	1,098
UIT Central Part of Java	-	236	379	149	266	275	126	26	169	56	16	5	14	8	2	2	4	-	-	-	-	-	1,733
UIT Eastern Part of Java and Bali	-	91	312	108	167	192	71	15	149	55	16	5	15	5	1	1	2	-	-	-	-	-	1,205
UIP2B	-	14	38	30	79	133	64	13	73	46	9	4	8	4	2	-	2	2	-	-	-	-	521
UIK Tanjung Jati B	-	-	2	2	13	15	5	2	14	5	6	3	6	1	-	1	2	1	-	-	-	-	78
Java	1	940	1,858	997	2,092	2,318	1,073	301	1,700	854	355	98	138	70	31	20	27	13	6	3	1	-	20,061
PLN Head Office	-	10	22	75	293	853	727	90	457	226	135	105	229	71	36	45	92	60	34	40	25	9	3,634
PLN Supporting and Service Unit	-	4	31	58	270	297	213	60	231	117	58	17	37	22	18	7	19	15	5	4	-	-	1,483
PLN Construction Unit	-	104	88	203	465	441	289	59	306	104	58	48	82	17	9	6	23	10	6	4	-	-	2,322
Other Subsidiaries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,512
Indonesia	9	3,211	5,164	4,101	7,062	7,084	3,976	1,143	4,692	2,552	1,024	437	756	256	132	92	201	114	53	57	26	9	51,477

Table 41 : Number of Employees by Education**2022**

PLN Operational Unit/Province	<= D1-D3	S1	S2	S3	Jumlah
UIW Aceh	559	277	13	-	849
UIW North Sumatera	761	477	24	-	1,262
UIW West Sumatera	490	318	16	-	824
UIW Riau and Riau Archipelago	649	209	16	-	874
UIW South Sumatera, Jambi and Bengkulu	599	402	30	-	1,031
UIW Bangka Belitung	225	116	14	-	355
UID Lampung	293	264	10	1	568
UIW West Kalimantan	466	238	9	-	713
UIW South and Central Kalimantan	510	298	15	-	823
UIW East and North Kalimantan	480	195	23	-	698
UIW North, Central Sulawesi and Gorontolo	688	330	12	-	1,030
UIW South, Southeast and West Sulawesi	848	558	24	-	1,430
UIW Maluku and North Maluku	737	185	6	-	928
UIW Papua and West Papua	880	252	8	-	1,140
UID Bali	353	218	21	-	592
UIW West Nusa Tenggara	641	211	11	-	863
UIW East Nusa Tenggara	681	181	7	-	869
PT PLN Batam	-	-	-	-	500
PT PLN Tarakan	-	-	-	-	112
PT Mandau Cipta Tenaga Nusantara	-	-	-	-	37
UIK Northern Part of Sumatera	619	432	16	-	1,067
UIK Southern Part of Sumatera	808	455	19	-	1,282
UIP3B Sumatera	1,298	549	27	-	1,874
UIKL Sulawesi	840	486	20	-	1,346
UIKL Kalimantan	952	422	23	1	1,398
Outside Java	14,377	7,073	364	2	22,465
UID East Java	1,247	919	58	-	2,224
UID Central Java and Yogyakarta	1,025	657	59	-	1,741
UID West Java	1,239	825	45	-	2,109
UID Banten	415	355	21	-	791
UID Jakarta Raya	773	581	42	-	1,396
PT Indonesia Power	-	-	-	-	4,195
PT PJB	-	-	-	-	2,970
UIT Western Part of Java	712	344	42	-	1,098
UIT Central Part of Java	1,158	541	34	-	1,733
UIT Eastern Part of Java and Bali	836	331	38	-	1,205
UIP2B	185	304	32	-	521
UIK Tanjung Jati B	21	48	9	-	78
Java	7,611	4,905	380	-	20,061
PLN Head Office	556	2,501	568	9	3,634
PLN Supporting and Service Unit	510	836	136	1	1,483
PLN Construction Unit	895	1,311	116	-	2,322
Other Subsidiaries	-	-	-	-	1,512
Indonesia	23,949	16,626	1,564	12	51,477

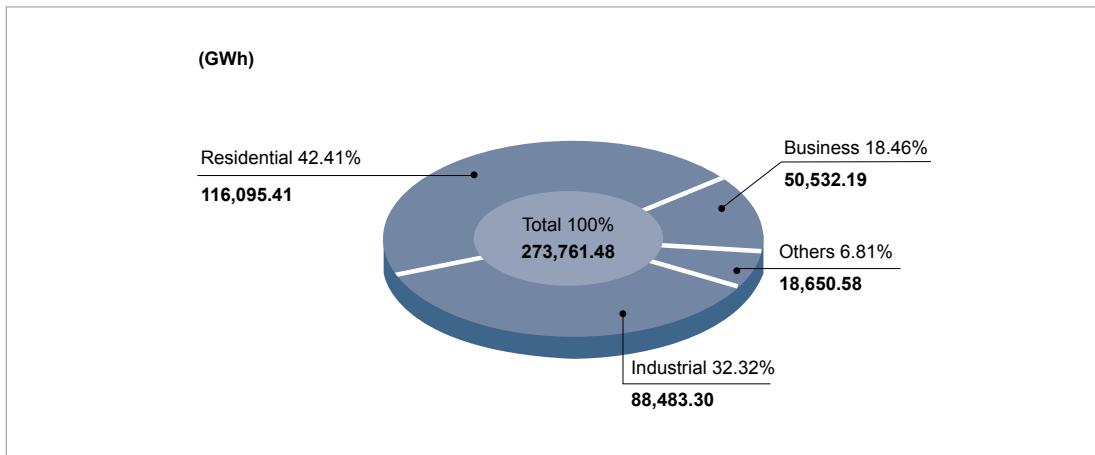
Annual Data 2022

Table 42 : Productivity of Employee

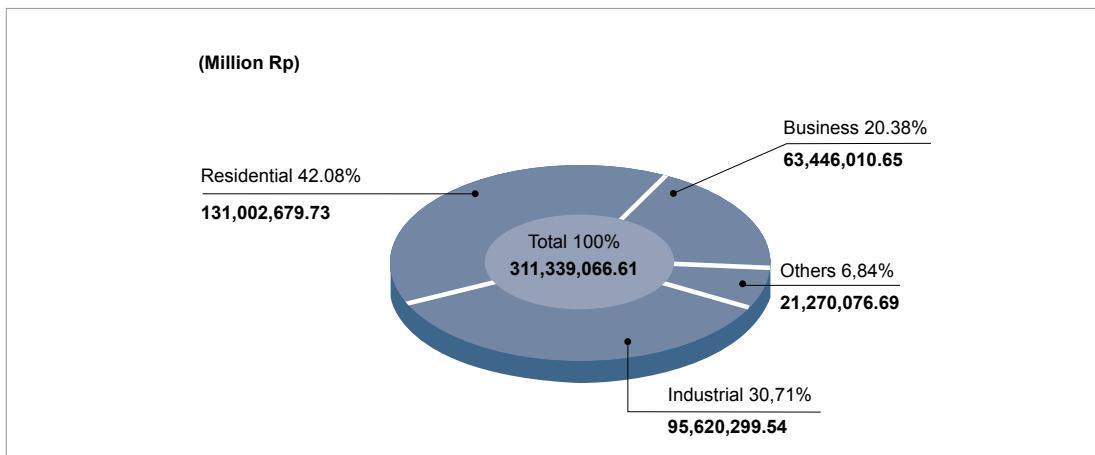
2022

PLN Operational Unit/Province	Customers per Employee	kWh Sold per Employee
UIW Aceh	1,961	3,714,970.55
UIW North Sumatera	3,408	9,556,109.35
UIW West Sumatera	1,977	4,405,861.65
UIW Riau and Riau Archipelago	2,742	9,883,512.59
UIW South Sumatera, Jambi and Bengkulu	3,992	8,923,753.64
UIW Bangka Belitung	1,511	4,180,647.89
UID Lampung	4,471	9,476,197.18
UIW West Kalimantan	2,007	4,256,451.61
UIW South and Central Kalimantan	2,657	6,059,720.53
UIW East and North Kalimantan	2,018	6,417,335.24
UIW North, Central Sulawesi and Gorontolo	1,925	3,942,223.30
UIW South, Southeast and West Sulawesi	2,590	6,671,853.15
UIW Maluku and North Maluku	802	1,378,685.34
UIW Papua and West Papua	695	1,668,403.51
UID Bali	2,754	9,240,726.35
UIW West Nusa Tenggara	2,066	2,733,847.05
UIW East Nusa Tenggara	1,271	1,388,849.25
PT PLN Tarakan	-	-
PT Mandau Cipta Tenaga Nusantara	-	-
UIK Northern Part of Sumatera	-	-
UIK Southern Part of Sumatera	-	-
UIP3B Sumatera	-	-
Outside Java	1,556	3,752,754.86
UID East Java	5,969	18,231,510.79
UID Central Java and Yogyakarta	7,382	17,743,394.60
UID West Java	7,734	26,660,080.61
UID Banten	4,840	33,761,908.98
UID Jakarta Raya	3,628	24,769,548.71
PT Indonesia Power	-	-
PT PJB	-	-
UIP2B	-	-
UIK Tanjung Jati B	-	-
UP Java Bali	-	-
Java	3,980	14,651,691.22
Indonesia (without Subsidiaries)	2,023	6,424,955.75
PT PLN Batam	715	5,886,340.00
PLN Head Office	-	-
PLN Supporting and Service Unit	-	-
PLN Construction Unit	-	-
Other Subsidiaries	-	-
Indonesia	1,664	5,318,131.98

Graph 1. Energy Sold by Type of Customers (2022)



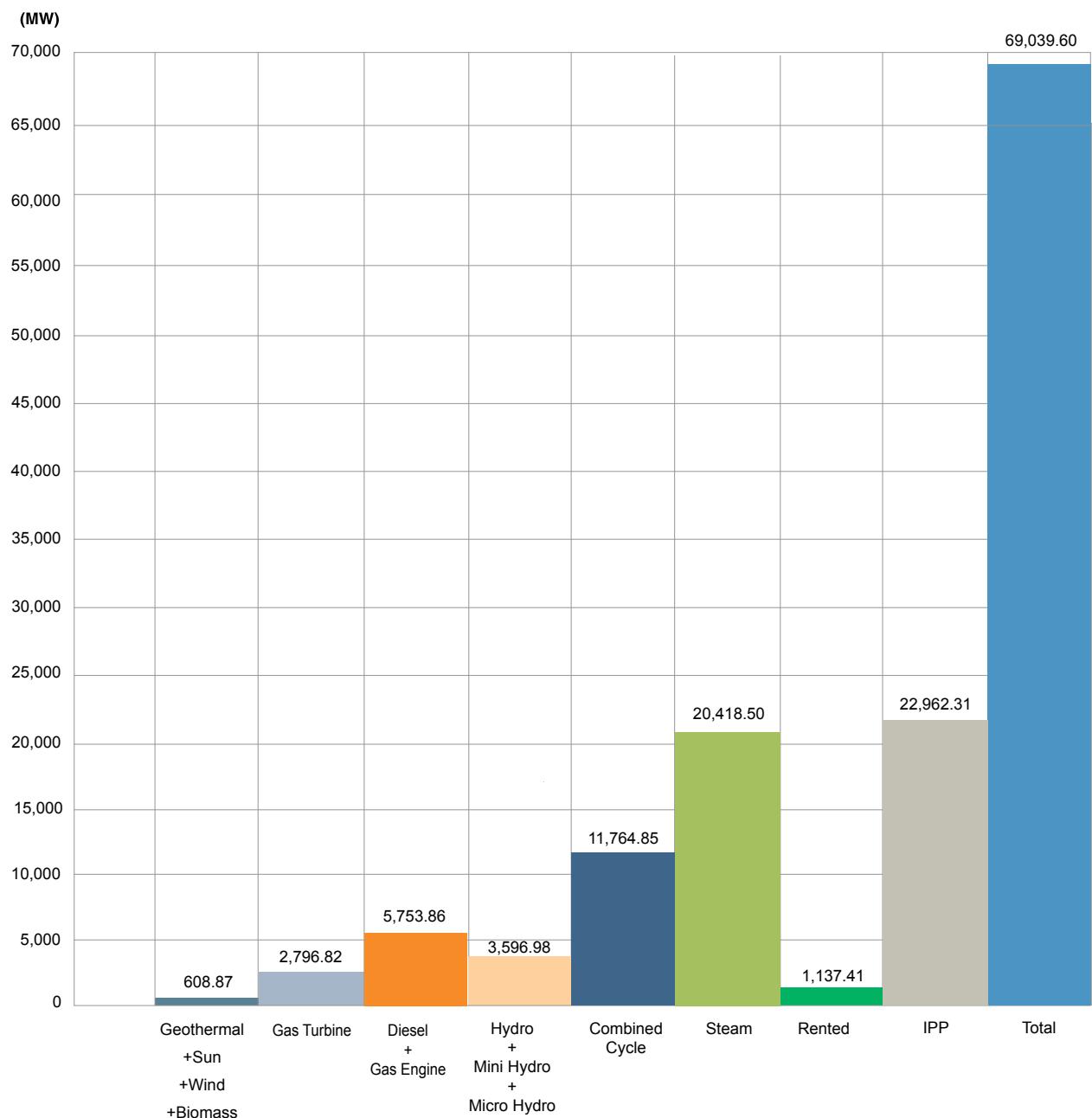
Graph 2. Revenue (2022)



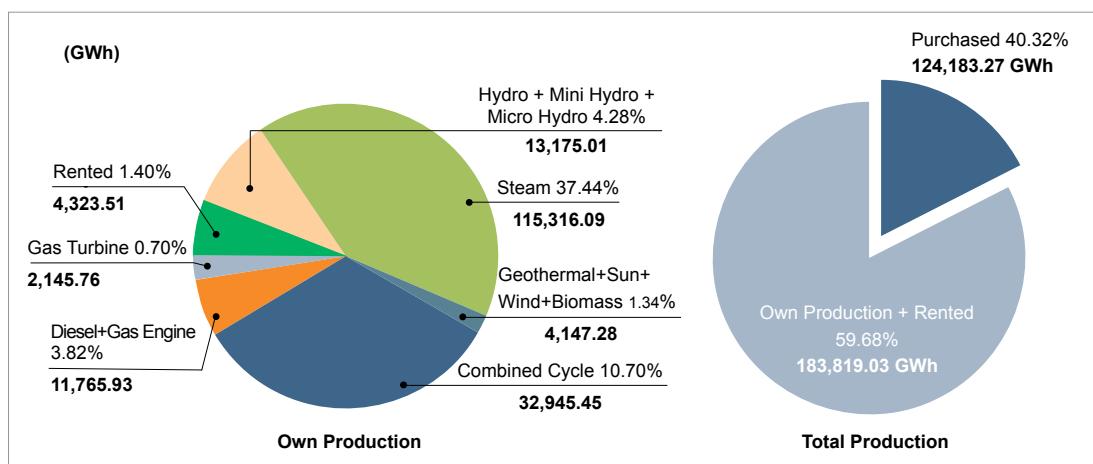
Note: Data from AP2T Application

Annual Data 2022

Graph 3. Installed Capacity (2022)



Graph 4. Energy Production (2022)





02



DATA OVER NINE YEARS
2014 - 2022

Data Over Nine Years 2014 - 2022

Table 43 : Load Factor, Capacity Factor and Demand Factor (%) **2014 - 2022**

Year	Load Factor	Capacity Factor	Demand Factor
2014	78.26	50.94	26.65
2015	80.02	50.53	25.06
2016	62.62	51.92	49.55
2017	74.93	51.98	39.75
2018	78.64	52.73	37.20
2019	76.41	50.68	37.72
2020	78.32	49.54	34.61
2021	77.20	51.19	34.84
2022	84.11	50.93	32.28

Table 44 : Number of Customer by Type of Customers

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2014	53,309,325	58,350	2,626,160	1,181,779	146,321	146,321	57,468,256	6.47
2015	56,605,260	63,314	2,894,990	1,261,516	156,782	156,782	61,138,644	6.39
2016	59,243,672	69,629	3,239,764	1,354,010	169,478	205,940	64,282,493	5.14
2017	62,543,434	76,816	3,579,364	1,460,546	182,874	225,249	68,068,283	5.89
2018	66,071,133	88,185	3,750,666	1,559,997	198,113	249,303	71,917,397	5.66
2019	69,619,877	104,922	3,829,553	1,662,926	211,947	276,389	75,705,614	5.27
2020	72,606,681	130,722	4,001,917	1,746,074	218,408	296,231	79,000,033	4.35
2021	75,701,985	159,057	4,300,034	1,838,087	230,577	314,240	82,543,980	4.49
2022	78,327,897	179,553	4,640,585	1,920,615	236,629	330,919	85,636,198	3.75

Data Over Nine Years 2014 - 2022

Table 45 : Connected Capacity by Type of Customers (MVA)

2014 - 2022

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2014	48,374.47	23,541.97	21,223.71	3,537.17	2,390.43	962.78	100,030.53	7.45
2015	51,654.89	25,024.02	22,477.28	3,861.60	2,560.54	1,003.90	106,582.23	6.55
2016	55,284.60	26,569.81	24,362.27	4,334.47	2,753.49	1,042.98	114,347.62	7.29
2017	59,257.37	27,584.67	26,197.72	4,897.48	2,979.73	1,100.66	122,017.63	6.71
2018	63,576.71	29,136.29	27,751.75	5,462.73	3,195.56	1,157.51	130,280.55	6.77
2019	67,877.52	30,433.91	29,180.45	5,993.45	3,360.50	1,230.70	138,076.53	5.98
2020	72,096.64	31,146.41	30,277.65	6,431.26	3,465.80	1,260.45	144,678.21	4.78
2021	76,566.84	33,151.51	31,974.04	6,954.42	3,624.93	1,294.22	153,565.96	6.14
2022	80,423.31	34,714.29	34,117.75	7,482.28	3,791.40	1,332.51	161,861.54	5.40

Table 46 : Energy Sold by Type of Customers (GWh)

2014 - 2022

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2014	84,086.46	65,908.68	36,282.42	5,446.46	3,483.99	3,393.76	198,601.78	5.90
2015	88,682.13	64,079.39	36,978.05	5,940.98	3,717.16	3,448.11	202,845.82	2.14
2016	93,634.61	68,145.30	40,074.39	6,630.80	4,021.61	3,497.58	216,004.29	6.49
2017	94,457.38	72,238.37	41,694.79	7,095.37	4,121.26	3,526.55	223,133.72	3.30
2018	97,832.28	76,946.50	44,027.40	7,781.34	4,403.28	3,627.07	234,617.88	5.15
2019	103,733.43	77,878.65	46,901.25	8,621.83	4,750.29	3,632.71	245,518.17	4.65
2020	112,155.85	72,239.86	42,819.32	8,098.06	4,634.78	3,634.88	243,582.75	(0.79)
2021	115,370.05	80,904.45	44,440.85	8,665.99	4,707.97	3,544.95	257,634.25	5.77
2022	116,095.41	88,483.30	50,532.19	10,073.23	4,995.12	3,582.23	273,761.48	6.26

Table 47 : Average Energy Sold by Type of Customers (kWh)**2014 - 2022**

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2014	1,577.00	1,129,540.00	13,816.00	4,609.00	23,811.00	19,812.00	3,454.00
2015	1,567.00	1,012,089.00	12,773.00	4,709.00	23,709.00	18,526.00	3,454.00
2016	1,581.00	978,692.00	12,370.00	4,897.00	23,729.00	16,984.00	3,360.00
2017	1,510.00	940,408.00	11,649.00	4,858.00	22,536.00	15,656.00	3,278.00
2018	1,481.00	872,558.00	11,739.00	4,988.00	22,226.00	14,549.00	3,262.00
2019	1,490.00	742,252.82	12,247.19	5,184.73	22,412.63	13,143.47	3,243.06
2020	1,544.70	552,622.03	10,699.70	4,637.87	21,220.72	12,270.42	3,083.32
2021	1,524.00	508,650.67	10,335.00	4,714.68	20,418.21	11,281.03	3,121.18
2022	1,482.17	492,797.67	10,889.18	5,244.79	21,109.50	10,825.10	3,196.80

Table 48 : Revenue by Type of Customers (million Rp)**2014 - 2022**

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2014	63,750,951.00	64,443,791.00	45,928,833.00	4,411,530.00	4,376,594.00	3,722,786.00	186,634,484.00	21.60
2015	74,228,270.00	73,225,020.00	47,485,994.00	4,826,716.00	4,923,417.00	5,155,124.00	209,844,540.00	12.44
2016	79,001,584.00	71,676,300.00	48,135,789.00	5,410,427.00	4,965,551.00	4,950,171.00	214,139,821.00	2.05
2017	99,747,380.00	78,652,788.00	51,935,757.00	5,827,691.00	5,269,214.00	5,154,027.00	246,586,856.00	15.15
2018	107,853,456.00	83,510,376.00	54,769,851.00	6,405,714.00	5,636,698.00	5,301,458.00	263,477,551.00	6.85
2019*)	114,009,150.67	85,696,114.71	59,196,245.28	7,164,127.64	6,135,914.18	5,315,507.93	277,517,060.40	5.33
2020*)	111,249,935.56	78,805,923.48	53,067,797.67	6,511,744.48	6,021,618.63	5,306,701.62	260,963,721.44	(5.96)
2021*)	118,139,629.65	87,880,138.90	54,870,079.54	6,987,979.19	6,086,666.66	5,129,814.60	279,094,308.54	6.95
2022*)	131,002,679.73	95,620,299.54	63,446,010.65	8,396,636.98	7,220,882.60	5,652,557.11	311,339,066.61	11.55

*) Note: Data from AP2T Application

Data Over Nine Years 2014 - 2022

Table 49 : Average of Electricity Tariff by Type of Customer (Rp/kWh) 2014 - 2022

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2014	758.16	977.77	1,265.87	809.98	1,256.20	1,096.95	939.74
2015	837.01	1,142.72	1,284.17	812.44	1,324.51	1,459.06	1,034.50
2016	843.72	1,051.82	1,201.16	815.96	1,234.72	1,415.31	991.37
2017	1,056.00	1,088.80	1,245.62	821.34	1,278.54	1,461.49	1,105.11
2018	1,102.43	1,085.30	1,243.99	823.21	1,280.11	1,461.64	1,123.01
2019	1,098.82	1,100.69	1,258.34	830.68	1,291.45	1,465.09	1,129.59
2020	991.92	1,090.89	1,239.34	804.11	1,299.22	1,459.94	1,071.36
2021	1,024.01	1,086.22	1,234.68	806.37	1,292.84	1,447.08	1,083.30
2022	1,128.41	1,080.66	1,255.56	833.56	1,445.59	1,577.94	1,137.26

Table 50 : Number of Customers by Type of Voltage

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose		
2014	57,409,558	83,531	72	73	57,493,234	6.48
2015	61,052,745	115,077	80	78	61,167,980	6.39
2016	64,149,582	132,739	88	84	64,282,493	5.09
2017	67,922,448	145,742	93	-	68,068,283	5.89
2018	71,822,662	94,637	98	-	71,917,397	5.60
2019	75,600,176	105,337	101	-	75,705,614	5.38
2020	78,887,339	112,594	100	-	79,000,033	4.35
2021	82,419,243	124,627	110	-	82,543,980	4.49
2022	85,492,246	143,840	112	-	85,636,198	3.75

Table 51 : Energy Sold by Type of Voltage (GWh)**2014 - 2022**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose		
2014	116,304.24	68,563.26	13,520.18	214.15	198,601.83	5.90
2015	123,076.75	66,825.79	12,654.35	288.94	202,845.83	2.14
2016	130,491.48	70,763.02	14,414.70	335.12	216,004.32	6.49
2017	133,030.86	73,495.63	16,607.23	-	223,133.72	3.30
2018	139,068.86	77,305.52	18,243.50	-	234,617.88	5.15
2019	147,692.30	80,301.73	17,524.10	-	245,518.13	5.03
2020	155,217.79	72,618.09	15,746.87	-	243,582.75	(0.79)
2021	160,365.97	78,719.41	18,548.88	-	257,634.25	5.77
2022	165,024.94	85,636.40	23,100.14	-	273,761.48	6.26

Table 52 : Revenue by Type of Voltage (million Rp)**2014 - 2022**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose		
2014	102,520,584.00	69,033,065.00	12,353,013.00	2,727,823.00	186,634,484.00	21.60
2015	117,631,504.00	77,659,563.00	13,254,127.00	1,299,347.00	209,844,541.00	12.44
2016	123,459,196.00	75,683,817.00	13,954,290.00	1,042,518.00	214,139,821.00	2.05
2017	147,582,478.00	80,555,694.00	16,620,063.00	1,828,621.00	246,586,856.00	15.15
2018	158,754,942.00	84,596,718.00	18,232,665.00	1,893,225.00	263,477,551.00	6.85
2019*)	168,423,641.08	88,927,866.01	17,826,867.44	2,338,685.88	277,517,060.41	5.33
2020*)	163,202,835.59	79,422,038.12	15,893,150.12	2,445,697.60	260,963,721.43	(5.96)
2021*)	171,966,922.08	86,285,110.30	18,066,288.68	2,775,987.48	279,094,308.54	6.95
2022*)	191,472,215.14	95,255,648.83	21,714,574.73	2,896,627.91	311,339,066.61	11.55

*) Note: Data from AP2T Application

Data Over Nine Years 2014 - 2022

Table 53 : Own Use and Energy Losses

2014 - 2022

Year	Own Use *)		Energy Losses & Own Use					
			Transmission		Distribution		Total	
	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)
2014	7,842.24	4.47	5,224.63	2.37	16,198.66	7.52	22,005.98	9.97
2015	8,258.56	4.67	5,248.08	2.33	16,810.27	7.62	22,589.01	10.00
2016	9,060.67	4.93	5,486.54	2.29	17,219.45	7.19	23,358.90	9.75
2017	9,233.26	5.50	5,865.60	2.39	15,619.45	6.53	22,147.47	9.02
2018	9,616.42	5.10	5,969.98	2.32	18,510.36	7.37	25,093.26	9.75
2019	9,910.95	5.12	6,073.34	2.26	19,006.53	7.24	25,822.86	9.60
2020	9,732.18	5.48	5,521.04	2.08	18,729.89	7.22	24,960.53	9.41
2021	9,959.33	5.44	5,501.33	1.97	18,519.97	6.77	25,143.66	9.00
2022	10,172.11	5.53	5,726.55	1.92	20,236.10	6.94	27,655.48	9.29

*) Own use for power plant

Table 54 : Number of Generating Units *)

2014 - 2022

Year	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Gas Engine	Sun	Wind	Bio-mass	Total	Δ %
2014**) 224	-	-	-	97	81	65	15	4,471	-	56	6	-	5,015	1.83
2015***) 232	-	-	-	114	72	65	15	4,655	-	58	7	-	5,218	4.21
2016 232	-	-	-	107	75	66	15	4,665	-	68	7	-	5,235	0.52
2017 240	-	-	-	104	97	69	15	4,801	-	57	6	-	5,389	2.94
2018 266	-	-	-	110	98	74	22	5,327	-	78	5	-	5,980	10.97
2019 243	-	-	-	133	68	73	18	5,350	-	96	5	1	5,987	0.10
2020 244	-	-	-	127	66	79	18	5,400	-	118	5	2	6,059	1.20
2021 162	12	72	126	66	79	18	5,258	193	150	5	2	6,143	1.39	
2022 166	10	73	130	68	81	18	5,363	194	204	5	2	6,314	2.78	

*) PLN's Power Plant

**) Revised Number of Generating Unit

***) In 2015, there were asset deletion of PLTG in PLN Generation of Northern Sumatera and PLN East Kalimantan

Table 55 : Installed Capacity (MW) ***2014 - 2022**

Year	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com-bined Cycle	Geo-thermal	Diesel	Gas Engine	Sun	Wind	Bio-mass	Total	Δ %
2014**)	3,526.90	-	-	18,421.67	3,012.10	8,886.11	573.00	2,798.55	-	8.73	0.49	-	37,227.55	8.83
2015**)	3,566.15	-	-	21,117.15	2,981.31	8,894.11	550.89	3,175.79	-	8.86	0.99	-	40,295.25	11.89
2016	3,567.83	-	-	19,856.35	3,208.15	9,204.11	580.89	3,353.80	-	12.94	0.99	-	39,785.06	3.97
2017***)	3,583.15	-	-	19,530.50	3,075.83	9,022.54	550.89	3,880.02	-	7.98	0.88	-	39,651.80	(0.33)
2018	3,582.98	-	-	20,192.00	3,133.61	9,812.11	579.50	4,383.42	-	12.07	0.47	-	41,696.67	5.16
2019	3,583.98	-	-	20,750.50	3,188.90	10,708.76	579.50	5,029.31	-	14.65	0.47	-	43,856.58	5.18
2020	3,584.07	-	-	20,277.63	2,936.07	11,232.20	579.26	5,547.88	-	16.71	0.47	0.50	44,174.80	0.72
2021	3,504.42	37.68	45.62	20,365.00	2,936.07	11,408.00	579.26	3,532.61	2,033.77	21.34	0.47	0.50	44,464.75	0.66
2022	3,516.51	34.35	46.12	20,418.50	2,796.82	11,764.85	579.26	3,564.63	2,189.23	28.62	0.47	0.52	44,939.88	1.07

*) PLN's Power Plant

**) Revised Installed Capacity

***) Decrease in generating capacity due to asset deletion

Table 56 : Rated Capacity (MW) ***2014 - 2022**

Year	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com-bined Cycle	Geo-thermal	Diesel	Gas Engine	Sun	Wind	Total	Δ %
2014**)	3,444.08	-	-	15,608.59	2,533.72	7,722.33	549.00	1,685.64	-	7.49	0.00	31,550.85	8.76
2015**)	3,473.18	-	-	17,798.74	2,486.42	7,571.23	516.43	1,902.77	-	6.54	0.02	33,755.32	6.99
2016	3,410.62	-	-	17,811.40	2,669.80	7,754.23	523.28	2,292.49	-	9.28	0.30	34,471.39	5.33
2017	3,470.89	-	-	17,150.20	2,608.89	7,698.57	508.89	2,488.73	-	5.66	0.00	33,931.83	(1.57)
2018	3,471.05	-	-	17,138.73	2,605.46	8,937.52	541.54	2,750.86	-	7.20	0.08	35,452.44	4.48
2019	3,474.81	-	-	17,767.38	2,718.59	9,145.52	550.34	3,257.04	-	6.33	0.08	36,920.09	4.14
2020	3,511.37	-	-	17,714.10	2,404.59	10,036.51	550.34	3,844.82	-	11.73	0.08	38,073.54	3.12
2021	3,445.21	36.86	33.61	17,743.90	2,403.59	10,168.02	544.29	2,057.78	1,865.74	14.91	0.00	38,313.90	0.63
2022	3,456.01	33.76	33.67	17,755.40	2,267.62	10,276.05	545.10	2,012.59	2,015.97	22.64	0.02	38,418.81	0.27

*) PLN's Power Plant

**) Revised Rated Capacity

Data Over Nine Years 2014 - 2022

Table 57 : Energy Production (GWh)

2014 - 2022

Year	Own Generated											Purchased *)	Total	Δ %		
	Hydro	Mini Hydro	Micro Hydro	Steam Turbine	Gas Turbine	Com-bined Cycle	Geo-thermal	Diesel	Gas Engine	Wind	Sun Rented					
2014	11,163.62	-	-	89,249.38	5,445.68	38,068.45	4,285.37	3,546.86	1,087.26	-	6.81	22,443.56	175,296.98	53,257.93	228,554.91	5.72
2015	10,004.48	-	-	95,815.29	3,442.93	38,705.56	4,391.55	3,032.75	-	-	5.28	19,841.57	176,472.21	57,509.77	233,981.99	2.37
2016	13,885.59	-	-	97,153.33	3,871.76	41,908.11	3,958.10	3,062.34	2,612.37	5.85	-	17,351.52	183,808.97	64,801.55	248,610.52	6.25
2017	12,425.17	-	-	105,651.39	1,891.92	38,074.10	4,095.99	5,833.76	-	5.53	-	13,447.20	181,425.07	73,234.72	254,659.78	2.43
2018	10,728.68	-	-	113,902.01	3,210.32	38,762.01	4,012.81	7,573.83	-	4.21	-	10,504.60	188,698.46	78,386.92	267,085.38	4.88
2019	9,877.06	-	-	122,826.04	2,723.05	37,757.83	4,110.30	5,014.43	4,143.79	-	4.71	7,086.09	193,543.32	85,398.55	278,941.07	4.11
2020	11,948.81	-	-	114,284.12	2,360.16	30,097.84	4,186.37	3,043.16	6,696.28	-	5.57	5,070.12	177,692.43	97,158.74	274,851.17	(1.47)
2021	11,568.71	175.70	124.89	114,518.49	2,775.66	33,025.12	4,216.71	3,104.72	7,969.77	-	5.63	5,488.49	182,973.88	106,496.69	289,470.57	5.32
2022	12,874.20	172.79	128.02	115,316.09	2,145.76	32,945.45	4,138.19	3,209.67	8,556.26	-	9.09	4,323.52	183,819.03	124,183.27	308,002.30	6.40

*) Included project

Table 58 : Consumption of Fuel

2014 - 2022

Tahun	Oil (kilo litre)								Coal (ton)	Natural Gas (MMSCF)	Biomass	
	HSD	IDO	MFO	Bio Diesel	Olein	Bio HSD	HFO	Bio Fame	CPO	Total		
2014	6,330,517	3,849	1,096,638	-	-	-	-	-	-	7,431,005	44,604,981	450,190
2015	4,372,743	2,244	904,266	-	-	-	-	-	-	5,473,892	48,125,940	456,494
2016	3,331,125	915	947,027	-	-	-	-	-	-	4,667,032	50,556,446	505,125
2017	2,579,123	580	718,462	-	-	-	-	-	-	3,598,223	54,711,847	447,072
2018	2,780,973	28	946,516	-	-	-	-	-	-	4,055,804	60,481,245	465,419
2019	2,748,816	329	371,618	-	-	-	-	-	-	3,118,762	67,008,829	479,776
2020	2,503,318	26	166,602	-	-	-	-	-	-	2,669,946	66,683,392	378,246
2021	617,916	329	171,313	-	-	1,537,538	120,023	643,724	1	3,090,844	68,474,268	397,765
2022	380,155	104	176,213	-	-	1,694,279	18,353	718,807	-	2,987,910	70,444,162	381,620

Notes:

- Bio HSD, HFO, Bio Fame, CPO fuel usage data starting in 2019 and get into the HSD value
- Starting in 2021, the value of fuel usage for Bio HSD, HFO, Bio Fame and CPO is separated from HSD

Table 59 : Unit Price of Fuel **2014 - 2022**

Year	Oil (Rp/litre) *)				Coal	Natural Gas	Geothermal
	HSD	IDO	MFO	Average	(Rp/kg)	(Rp/MMSCF)	(Rp/kWh)
2014	10,320.86	10,823.96	7,108.43	9,847.04	1,004.50	105,876.17	1,012.00
2015	6,951.23	6,400.37	5,086.56	6,395.47	662.46	105,917.94	748.71
2016	5,725.51	4,715.78	3,783.04	4,855.19	611.23	101,123.24	722.41
2017	7,239.41	5,639.44	5,358.30	6,259.85	782.61	106,480.22	737.81
2018	9,419.48	8,422.00	4,125.75	7,421.62	767.08	119,115.94	841.42
2019	7,854.87	7,039.06	6,427.18	7,568.67	766.60	115,521.08	828.71
2020	5,829.21	5,303.47	4,806.53	5,746.55	917.18	101,650.07	845.66
2021	7,206.85	5,952.44	6,846.57	7,841.61	763.65	88,104.56	831.85
2022	11,157.28	27,046.27	7,937.60	13,123.49	865.71	111,751.82	937.06

*) Unit Price of Oil (HSD, IDO and MFO) including the transportation cost and biodiesel cost

Table 60 : Length of Transmission Lines (kmc) **2014 - 2022**

Year	Voltage					Total	% Growth
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV		
2014	4.16	4,125.49	29,352.85	1,374.30	5,053.00	39,909.80	1.31
2015	4.16	4,279.05	30,833.64	1,512.71	5,053.00	41,682.56	4.44
2016	60.33	4,669.32	32,423.02	1,856.48	5,056.27	44,065.42	5.72
2017	100.95	5,035.05	35,801.96	2,889.25	5,073.79	48,901.00	10.97
2018	100.95	5,341.98	39,304.50	3,312.47	5,218.38	53,278.27	8.95
2019	100.95	5,397.06	44,563.86	3,647.65	5,249.52	58,959.05	10.66
2020	100.95	5,655.64	46,680.19	3,647.65	5,249.74	61,334.18	4.03
2021	100.95	5,878.97	48,733.87	3,647.64	6,445.35	64,806.79	5.66
2022	100.95	5,910.21	51,395.60	3,828.11	6,970.92	68,205.81	5.24

Data Over Nine Years 2014 - 2022

Table 61 : Length of Medium and Low Voltage Lines (kmc)

2014 - 2022

Year	Medium Voltage			Total	Low Voltage
	6 - 7 kV	10 - 12 kV	15 - 20 kV		
2014	10.52	44.00	331,184.58	331,239.10	490,944.15
2015	5.36	3.12	342,970.50	342,978.98	500,119.41
2016	5.43	3.12	359,738.69	359,747.24	527,493.83
2017	-	-	373,825.50	373,825.50	546,595.79
2018	-	-	388,953.99	388,953.99	564,505.52
2019	-	-	401,421.90	401,421.90	578,433.47
2020	-	-	414,800.15	414,800.15	591,465.00
2021	-	-	423,807.51	423,807.51	598,316.55
2022	-	-	430,509.15	430,509.15	603,152.94

Data Over Five Years 2018 - 2022

Table 62 : Balance Sheet (million Rp)

Description	2022	2021	2020	2019	2018
FIXED ASSET					
- Total Fixed Asset	1,355,295,882	1,288,198,530	1,321,938,430	1,284,315,938	1,167,936,839
- Accumulated Despreciation	(62,939,849)	(33,792,415)	(95,020,433)	(70,853,977)	(33,733,002)
- Impairment Losses Accumulation	(3,674,774)	(2,716,757)	(208,422)	(210,303)	(210,105)
Total Fixed Asset (Net)	1,288,681,259	1,251,689,358	1,226,709,575	1,213,251,658	1,133,993,732
P D P and ATTB	144,367,723	175,369,000	175,178,912	187,433,460	202,484,501
Right-of-use Assets	29,005,193	29,762,537	31,193,985	-	-
Other Non-Current Assets	29,434,865	34,153,751	27,020,379	20,486,494	26,289,536
Receivables from Government	2,587,938	18,254,891	17,275,490	-	-
Investments in Associates and Joint Ventures	24,243,468	17,810,839	14,112,585	10,300,765	8,726,339
Defferred Tax Assets	427,448	264,705	195,289	2,215,963	7,578,386
CURRENT ASSETS					
- Cash & Bank	51,503,096	37,968,399	54,735,434	46,598,783	33,294,560
- Receivables from Government	18,882,562	8,300,000	819,067	-	-
- Temporary Investment	533,332	297,720	366,708	334,153	1,216,886
- Receivable	24,757,282	23,802,386	21,278,416	25,130,538	23,802,663
- Inventories	17,534,804	10,393,419	10,277,289	12,934,233	15,506,567
- Other Current Assets	6,180,306	5,149,451	9,751,591	66,368,966	39,594,575
Total Current Assets	119,391,382	85,911,375	97,228,505	151,366,673	113,415,251
TOTAL ASSETS	1,638,139,276	1,613,216,456	1,588,914,720	1,585,055,013	1,492,487,745
EQUITY	991,450,566	981,607,123	939,812,592	929,380,413	927,413,857
TOTAL EQUITY	991,450,566	981,607,123	939,812,592	929,380,413	927,413,857
LONG TERM LIABILITIES					
- Deffered Tax Liabilities	48,427,461	45,576,375	31,746,600	28,121,540	13,420,136
- Long Term Loan	367,419,545	377,669,316	407,280,550	417,282,895	349,902,145
- Other Long Term Liabilities	20,731,673	13,737,435	5,835,997	133,754	95,427
- Employee Benefit Liabilities	65,038,580	48,087,727	54,609,453	50,838,258	43,760,226
SHORT TERM LIABILTIES					
- Trade Payables	51,083,262	47,904,756	39,148,555	52,002,783	48,607,674
- Short Term Loan	41,565,592	41,537,787	43,319,666	35,935,599	37,546,266
- Other Short Term Liabilities	43,111,481	46,774,944	58,201,596	66,127,304	65,868,456
- Employee Benefit Liabilities	9,311,116	10,320,993	8,959,711	5,232,467	5,873,559
Total Long Term & Short Term Liabilities	646,688,710	631,609,333	649,102,128	655,674,600	565,073,889
TOTAL EQUITY & LIABILITIES	1,638,139,276	1,613,216,456	1,588,914,720	1,585,055,013	1,492,487,745

Data Over Five Years 2018 - 2022

Table 63 : Profit and Loss (million Rp)

2018 - 2022

Description	2022	2021	2020	2019	2018
OPERATION REVENUE					
- Electricity Sales	311,057,224	288,862,726	274,898,464	276,061,925	263,477,551
- Connection Fees	857,468	493,437	312,725	6,934,597	7,309,172
- Government Subsidy	58,831,960	49,796,949	47,988,114	51,711,774	48,101,754
- Competition Revenue	63,649,821	23,392,162	17,904,508	22,253,517	23,173,464
- Others	6,735,470	4,426,733	4,311,826	2,644,067	2,111,019
Total Operation Revenue	441,131,943	368,174,270	345,415,637	359,605,880	344,172,960
OPERATION COST					
- Fuel & Lubricant Oil	151,376,726	108,325,486	101,752,938	87,181,367	88,539,693
- Electricity Purchase and Rented Generator	133,023,570	118,419,490	106,014,285	136,084,482	137,266,678
- Rented	2,793,187	4,772,014	5,502,571	3,617,376	4,272,082
- Maintenance	23,948,698	22,600,774	21,940,509	22,328,178	20,737,601
- Personnel	24,884,860	25,092,756	24,965,707	25,908,771	22,950,087
- Property, Plant and Equipment Depreciation	40,992,657	41,441,271	39,142,580	35,318,071	30,744,712
- Right-of-use Assets Depreciation	3,063,978	-	-	-	-
- Others	8,903,313	7,239,348	7,192,146	8,620,069	7,950,118
Total Operation Cost	386,193,802	323,119,125	301,008,165	315,440,938	308,188,889
OPERATING PROFIT					
Other Income (Expenses) - Net	2,841,675	(3,719,419)	1,916,966	(3,667,666)	15,663,363
Other Profit (Loss) - Exchange Rate	(19,790,474)	2,676,145	(7,742,152)	9,486,326	(10,926,741)
Finance Income	687,495	787,231	1,125,519	755,103	804,321
Finance Expenses	(17,135,165)	(20,375,755)	(27,415,886)	(24,619,495)	(21,624,176)
PROFIT (LOSS) BEFORE TAX	21,541,672	23,221,084	12,291,919	26,119,210	19,900,838
TAX BENEFIT (EXPENSES)	(7,126,952)	(10,046,207)	(6,298,491)	(21,797,080)	(8,325,082)
PROFIT (LOSS) FOR THE YEAR	14,414,720	13,174,877	5,993,428	4,322,130	11,575,756

Table 64 : Fixed Asset & Depreciation (million Rp)**2018 - 2022**

Year	Saldo 2022	Akumulasi Rugi Penurunan Nilai	Accumulated Depreciation	Book Value 2022
2018	1,167,936,839	(210,105)	(33,733,002)	1,133,993,732
2019	1,284,315,938	(210,303)	(70,853,977)	1,213,251,658
2020	1,321,938,430	(208,422)	(95,020,433)	1,226,709,575
2021	1,288,198,530	(2,716,757)	(33,792,415)	1,251,689,358
2022	1,355,295,882	(3,674,774)	(62,939,849)	1,288,681,259

Table 65 : Sales, Accounts Receivable and Average Collection Rate**2018 - 2022**

Year	Public	Armed Forced	Non Armed Forced	Local Government	State Owned Enterprise	Total
2018	22,841,366.21	499,429.27	302,785.81	946,184.73	501,965.20	25,091,731.22
2019	21,667,905.37	807,914.95	332,955.27	1,046,119.14	783,233.77	24,638,128.49
2020	18,955,712.94	960,996.15	283,989.82	855,399.46	491,381.49	21,547,479.86
2021	21,938,749.45	698,113.57	326,006.59	829,596.21	622,366.78	24,414,832.60
2022	22,681,906.97	662,136.52	395,637.22	1,000,014.22	656,233.13	25,395,928.06

Table 66 : Sales, Accounts Receivable and Average Collection Rate**2018 - 2022**

Year	Sales (Million Rp)	Account Receivable (Million Rp)	Average (day)
2018	263,477,551.39	25,091,731.23	34.76
2019	277,517,060.41	24,638,128.49	32.40
2020	260,963,721.43	21,547,479.86	30.14
2021	279,094,308.54	24,414,832.60	31.93
2022	311,339,066.61	25,395,928.06	29.77

Data Over Five Years 2018 - 2022

Table 67 : Generation Cost (million Rp) *

2018 - 2022

Year	Hydro	Steam	Diesel	Gas Turbine	Geothermal	Combined Cycle	Sun	Total
2018	3,780,662.15	94,704,941.11	30,008,498.29	18,562,012.79	9,434,039.90	50,340,853.90	-	206,863,310.70
2019	3,733,532.17	73,588,295.53	25,205,660.45	18,316,690.97	4,096,028.34	46,919,171.99	-	171,859,379.45
2020	3,251,636.89	66,240,919.95	17,214,040.78	14,595,312.58	4,272,648.63	35,826,463.19	48,797.69	141,401,022.03
2021	3,315,028.28	71,840,474.77	20,612,686.15	13,344,252.01	4,260,437.93	38,666,589.57	57,926.49	152,097,395.20
2022	3,696,716.16	81,130,541.42	33,977,586.28	19,274,125.14	4,710,965.74	45,024,836.49	76,923.38	187,891,694.60

*) Generation operating cost are the cost of own generation and project

Table 68 : Average Generation Cost (Rp/kWh)

2018 - 2022

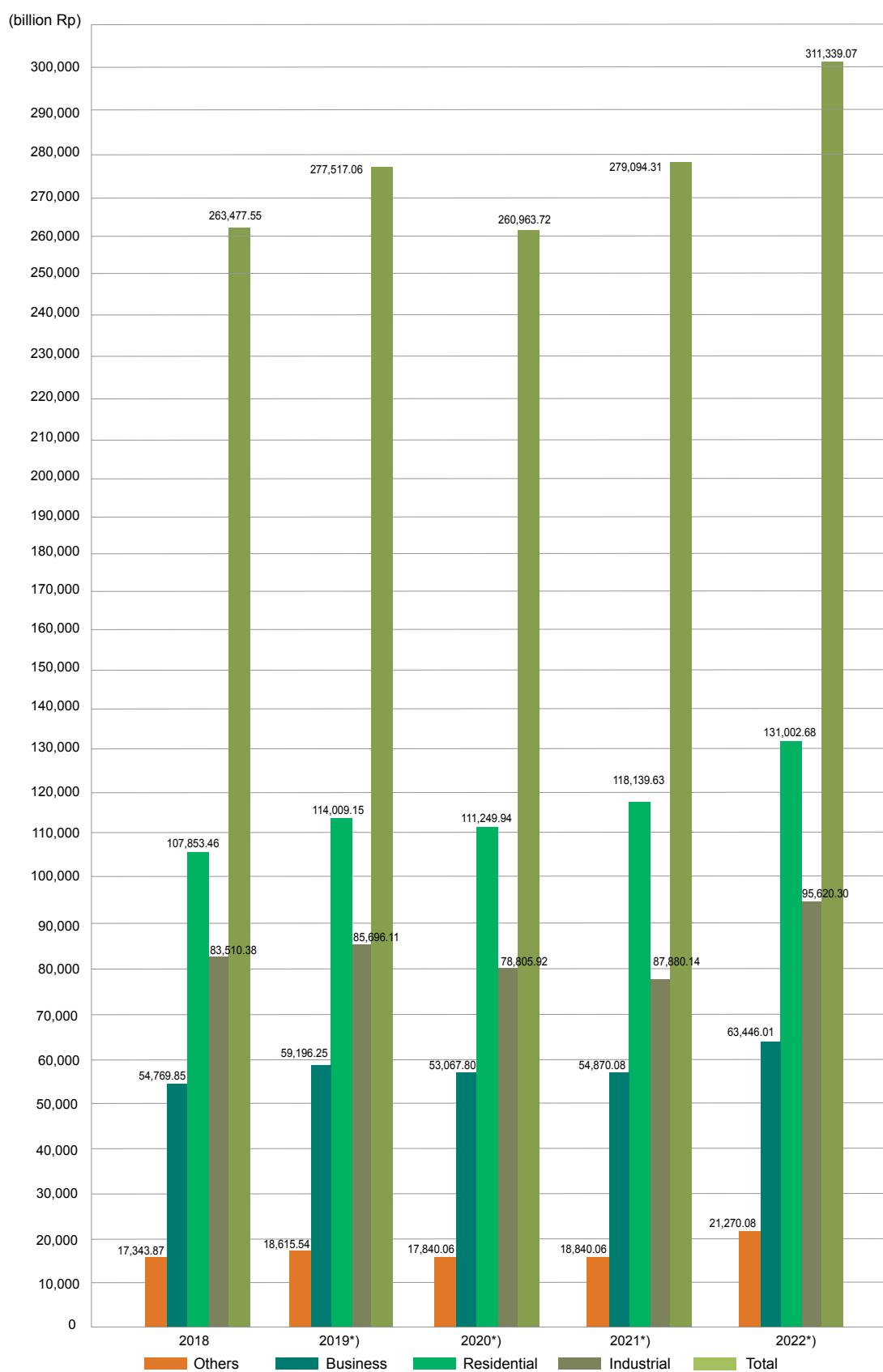
Year	Hydro	Steam	Diesel	Gas Turbine	Geothermal	Combined Cycle	Sun	Average
2018	352.39	831.46	2,228.71	5,781.99	2,350.98	1,298.72	-	1,160.89
2019	599.71	653.12	3,308.26	2,570.03	1,191.25	1,357.75	-	2,999.73
2020	438.57	636.55	4,746.32	1,611.79	1,107.89	1,322.23	11,817.73	3,097.30
2021	398.28	667.88	5,905.80	1,247.92	107.15	126.09	1,284.44	1,391.08
2022	373.22	737.52	5,978.77	1,837.37	118.74	143.97	1,034.52	1,460.59

Table 69 : Financial Ratios**2018- 2022**

Indicator	Unit	2022	2021	2020	2019	2018
I. Financial Indicator						
- Cash Ratio	%	35.87	26.11	36.82	0.29	0.21
- Rentability Ratio	%	1.45	1.34	0.64	0.47	1.03
- Solvability Ratio	%	39.48	39.15	40.90	41.37	37.91
- Liquidity Ratio	%	82.30	58.63	64.92	95.02	72.29
II. Financial Covenant						
- CICR	Times	4.43	3.03	2.74	3.11	3.81
- Financial Liabilities to Total Assets	%	24.97	25.52	27.75	28.65	25.35
- EBITDA Interest Coverage Ratio	Times	5.89	4.38	3.16	3.32	3.50
III. Operating Activity (Financial)						
- Fixed Assets Turnover	Times	0.22	0.20	0.19	0.20	0.21
- Average Period of Receivable Collection	Day	28.49	28.48	30.89	32.35	32.05
- Receivable Turnover	Times	12.81	12.82	11.85	11.28	11.39
- Material Turnover	Times	3.61	3.80	3.16	5.02	0.98

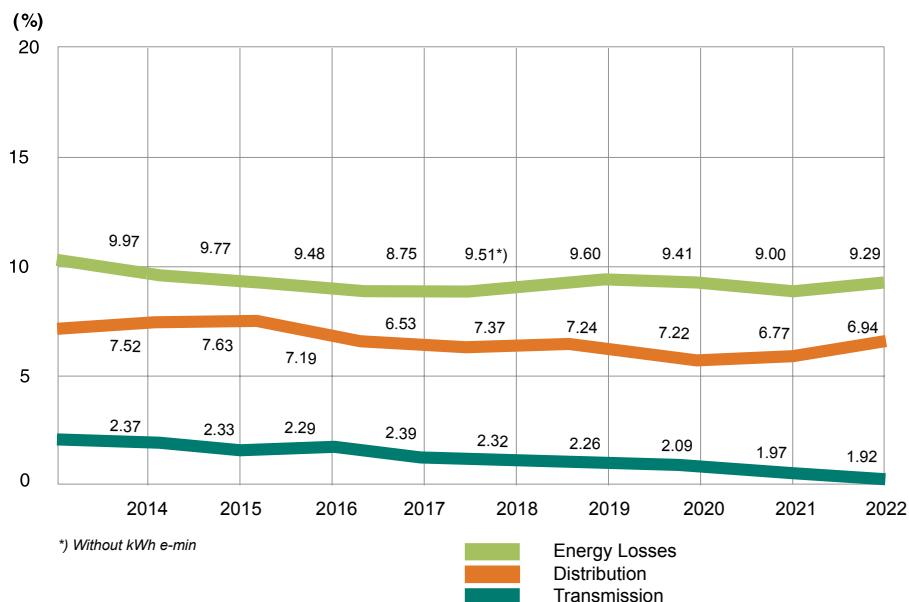
Data Over Five Years 2018 - 2022

Graph 5. Revenues (2018 - 2022)



*) Data from AP2T Application

Graph 6. Energy Losses (2014 - 2022)





03

END OF FIVE YEARS
(DEVELOPMENT
PLAN DATA)

End of Five Year Development Plan Data

Table 70 : Number of Customers 2022

Type of Customer	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2022
- Residential	913,940	1,584,851	4,046,692	8,665,543	14,191,414	24,902,763	78,327,897
- Industrial	7,145	8,087	16,879	27,773	38,769	43,088	179,553
- Business	78,080	145,588	239,277	356,942	514,816	847,940	4,640,585
- Others	32,977	44,721	103,229	225,680	412,410	639,698	2,488,163
Total	1,032,142	1,783,247	4,406,077	9,275,938	15,157,409	26,433,489	85,636,198

Table 71 : Average Growth Rate of Number of Customer per Year (%) 2022

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2022
- Residential	3.05	11.64	20.62	16.45	8.00	10.97	5.24
- Industrial	(0.55)	2.51	15.85	10.47	4.20	1.62	6.89
- Business	7.17	13.27	10.45	8.33	6.53	11.89	7.27
- Others	10.75	6.28	18.21	16.93	10.36	8.94	6.29
Total	3.51	11.56	19.83	16.05	8.00	10.93	5.36

*) to the end of year 1999

Table 72 : Connected Capacity (MVA) 2022

Type of Costumer	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2022
- Residential	398.66	992.56	2,648.60	5,397.11	8,914.86	15,887.50	80,423.31
- Industrial	422.55	973.92	1,857.77	4,080.31	7,781.84	10,698.91	34,714.29
- Business	141.06	307.91	770.00	1,382.57	2,780.64	5,665.04	34,117.75
- Others	114	184.66	850.29	1,373.75	1,758.99	2,344.39	12,606.19
Total	1,076.27	2,459.05	6,126.66	12,233.74	21,236.33	34,595.84	161,861.54

End of Five Year Development Plan Data

Table 73 : Average Growth Rate of Connected Capacity per Year (%) 2022

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2022
- Residential	10.81	20.01	21.69	15.30	8.27	11.93	7.22
- Industrial	18.24	18.18	13.79	17.04	9.50	5.90	5.45
- Business	9.33	16.90	20.12	12.42	12.18	14.20	8.26
- Others	8.06	10.13	35.72	10.07	3.68	5.43	8.21
Total	12.81	17.97	20.03	14.83	8.74	9.73	7.03

*) to the end of year 1999

Table 74 : Energy Sold (GWh) 2022

Type of Customer	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2022
- Residential	1,077.30	1,962.20	4,291.50	7,274.63	13,140.74	24,865.45	116,095.41
- Industrial	596.00	1,443.40	3,435.90	9,052.24	19,560.98	27,995.54	88,483.30
- Business	220.90	430.90	1,002.50	1,740.14	3,774.97	8,655.96	50,532.19
- Others	320.80	450.40	1,269.80	1,925.83	2,485.34	3,744.46	18,650.58
Total	2,215.00	4,286.90	9,999.70	19,992.84	38,962.03	65,261.41	273,761.48

Table 75 : Average Growth Rate of Energy Sold per Year (%) 2022

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2022
- Residential	9.68	12.74	16.94	11.13	10.61	13.25	6.56
- Industrial	21.20	19.35	18.94	21.38	11.36	8.54	4.66
- Business	13.25	14.30	18.39	11.66	13.73	17.04	7.73
- Others	12.38	7.02	23.03	8.69	3.52	7.61	7.59
Total	12.96	14.12	18.46	14.86	10.70	11.09	6.09

*) to the end of year 1999

Table 76 : Energy Losses (%)**2022**

Function	First Year FYDP I (1974/75)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2022
Transmission	3.90	3.50	3.90	3.01	2.54	2.35	1.92
Distribution	19.90	18.30	16.90	13.87	9.99	9.99	6.94
Total	23.80	21.80	20.80	16.88	12.53	12.34	8.72

Table 77 : Installed Capacity (MW)**2022**

Type of Generating	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2022
- Hydro*)	278.77	349.67	536.44	1,969.57	2,178.75	3,006.76	3,596.98
- Steam	225.00	556.25	1,556.25	3,416.95	4,690.60	6,770.60	20,418.50
- Gas Turbine	42.00	882.07	1,027.92	1,233.68	995.92	1,347.41	2,796.82
- Combined Cycle	-	-	-	-	3,411.31	6,560.97	11,764.85
- Geothermal	-	-	30.00	140.00	195.00	360.00	579.26
- Diesel**)	230.31	500.40	784.39	1,769.02	2,128.46	2,535.02	5,753.86
- Sun	-	-	-	-	-	-	28.62
- Wind	-	-	-	-	-	-	0.47
- Biomass	-	-	-	-	-	-	0.52
Total	776.08	2,288.38	3,934.99	8,529.22	13,600.05	20,580.76	44,939.88

*) Installed capacity of Mini Hydro and Micro Hydro are included in Hydro

**) In 2021 Installed Capacity of Gas Engine included in Diesel

Table 78 : Average Growth Rate of Installed Capacity per Year (%)**2022**

Type of Generating	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000 - 2022
- Hydro	9.90	2.90	10.72	29.71	2.00	5.81	0.84
- Steam	12.50	2.13	44.16	17.03	3.51	6.59	5.40
- Gas Turbine	-	81.57	4.40	3.72	(4.19)	7.58	4.10
- Combined Cycle	-	-	-	-	60.19	11.20	2.60
- Geothermal	-	-	-	36.08	6.85	11.25	2.29
- Diesel	3.90	14.91	11.19	17.66	3.47	3.88	3.95
Total	9.30	24.12	11.45	16.73	8.40	7.48	3.75

*) To the end of year 1999

End of Five Year Development Plan Data

Table 79 : Energy Production (GWh)

2022

Type of Generating	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2022
Own Production :							
- Hydro*)	1,029.58	1,384.28	1,816.27	5,226.86	7,858.66	9,649.00	13,175.01
- Steam	713.45	1,523.10	7,365.49	14,218.38	21,784.23	30,512.37	115,316.09
- Gas Turbine	158.32	1,156.73	1,065.60	1,581.98	2,609.44	1,395.50	2,145.76
- Combined Cycle	-	-	-	-	7,794.75	24,940.78	32,945.45
- Geothermal	-	-	209.31	1,011.96	1,090.00	2,616.80	4,138.19
- Diesel	467.90	845.53	1,654.13	2,900.87	4,331.51	5,306.55	3,209.67
- Gas Engine	-	-	-	-	-	-	8,556.26
- Wind	-	-	-	-	-	-	-
- Sun	-	-	-	-	-	-	9.09
- Rented	-	-	-	-	-	543.61	4,323.51
Sub Total	2,369.25	4,909.63	12,110.81	24,940.05	45,468.59	74,964.61	183,819.03
Purchased	636.73	813.18	1,281.02	682.71	1,250.17	2,938.76	124,183.27
Total Production	3,005.98	5,722.82	13,391.83	25,622.75	46,718.76	77,903.37	308,002.29

*) Energy produced by Mini Hydro and Micro Hydro are included in Hydro

Table 80 : Average Growth Rate of Energy Production per Year (%)

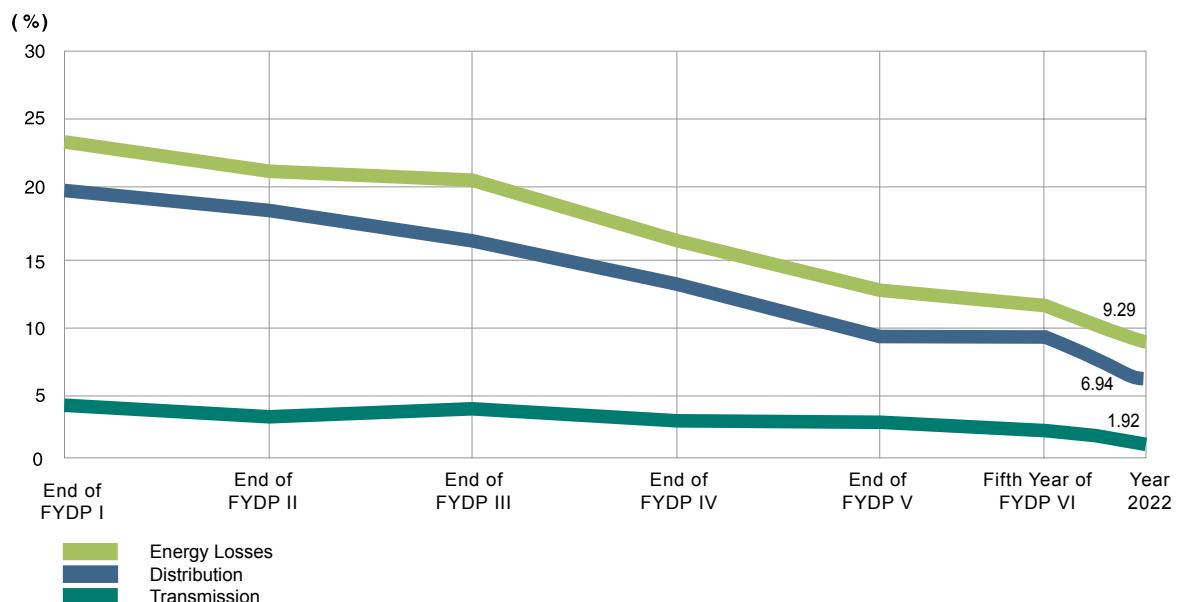
2022

Production	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000 - 2022
Own Production :							
- Hydro	6.33	6.10	5.58	23.54	3.43	3.11	1.77
- Steam	20.05	16.37	37.05	14.06	5.73	8.05	5.37
- Gas Turbine	16.15	48.85	(1.63)	8.22	12.40	(8.61)	2.60
- Combined Cycle	-	-	-	-	109.54	24.15	1.06
- Geothermal	-	-	-	37.05	1.60	17.30	2.15
- Diesel	12.18	12.56	14.36	11.89	6.53	3.66	(2.67)
- Rented	-	-	-	-	-	-	9.16
Sub Total	11.39	15.69	19.79	15.54	9.61	10.44	3.79
Purchased	11.19	5.01	9.52	(11.83)	8.38	23.86	13.23
Total Production	11.34	13.74	18.53	13.86	9.58	10.92	5.85

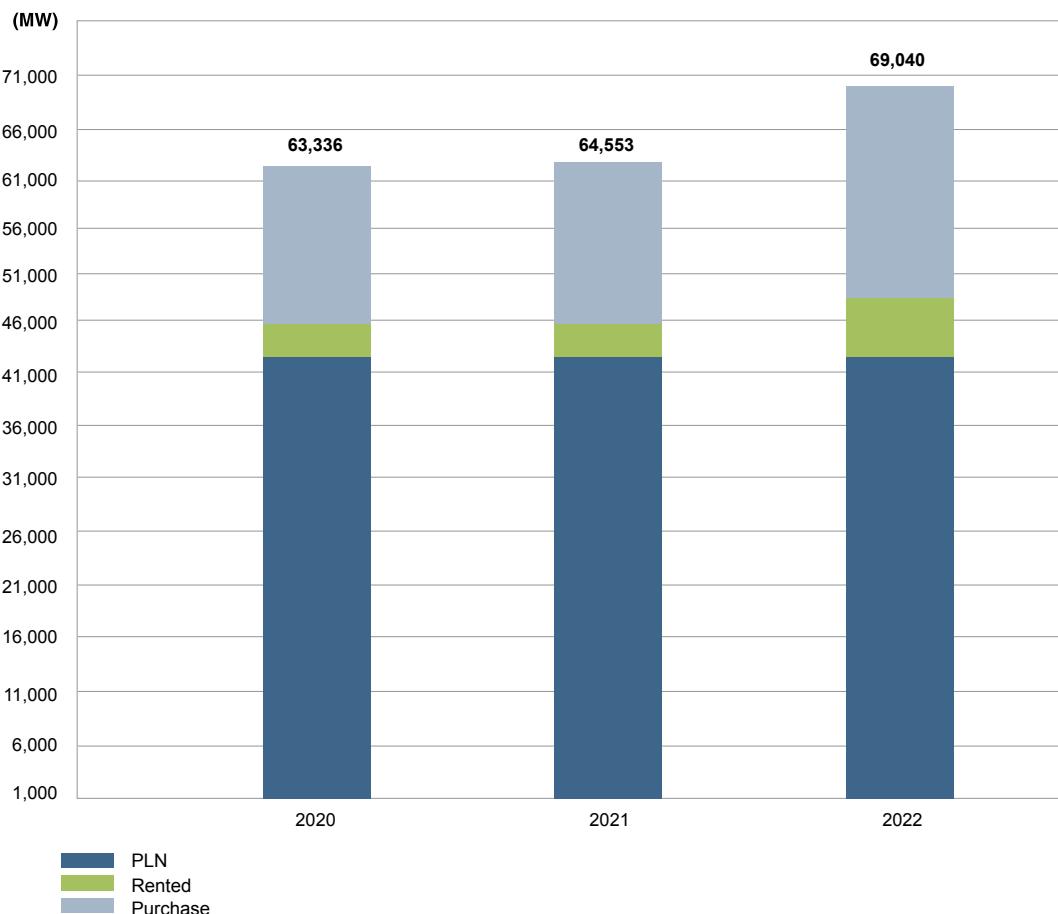
*) To the end of year 1999

End of Five Year Development Plant Data

Graph 7. Energy Losses

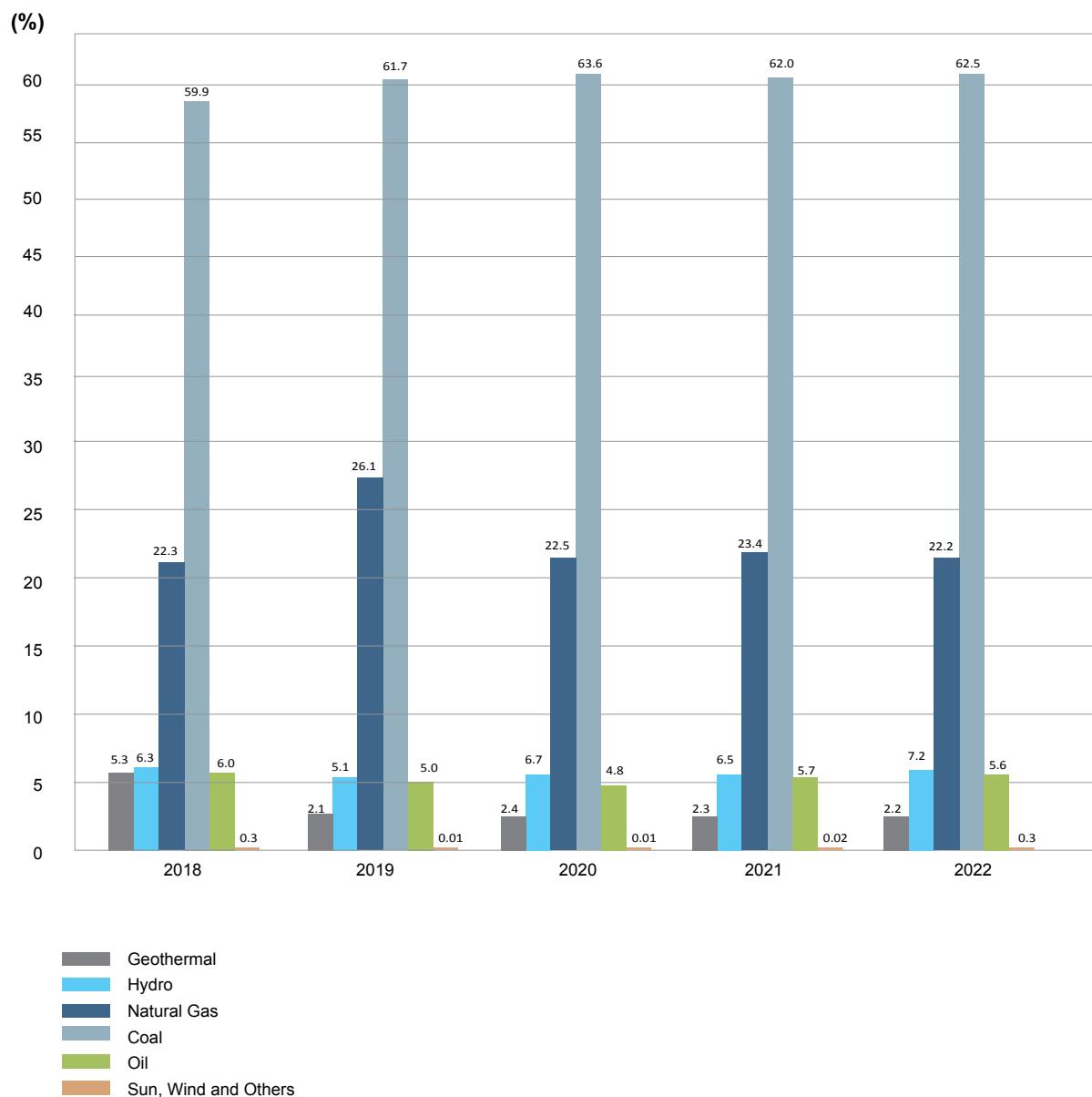


Graph 8. Installed Capacity of National

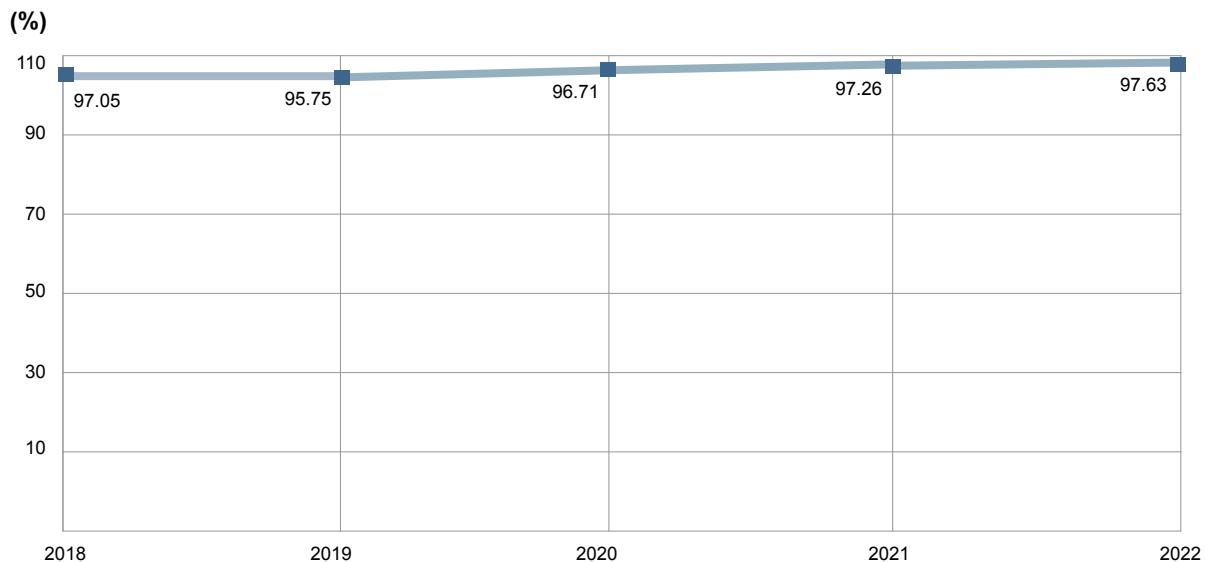


End of Five Year Development Plant Data

Graph 9. Energy Mix in 2018 - 2022

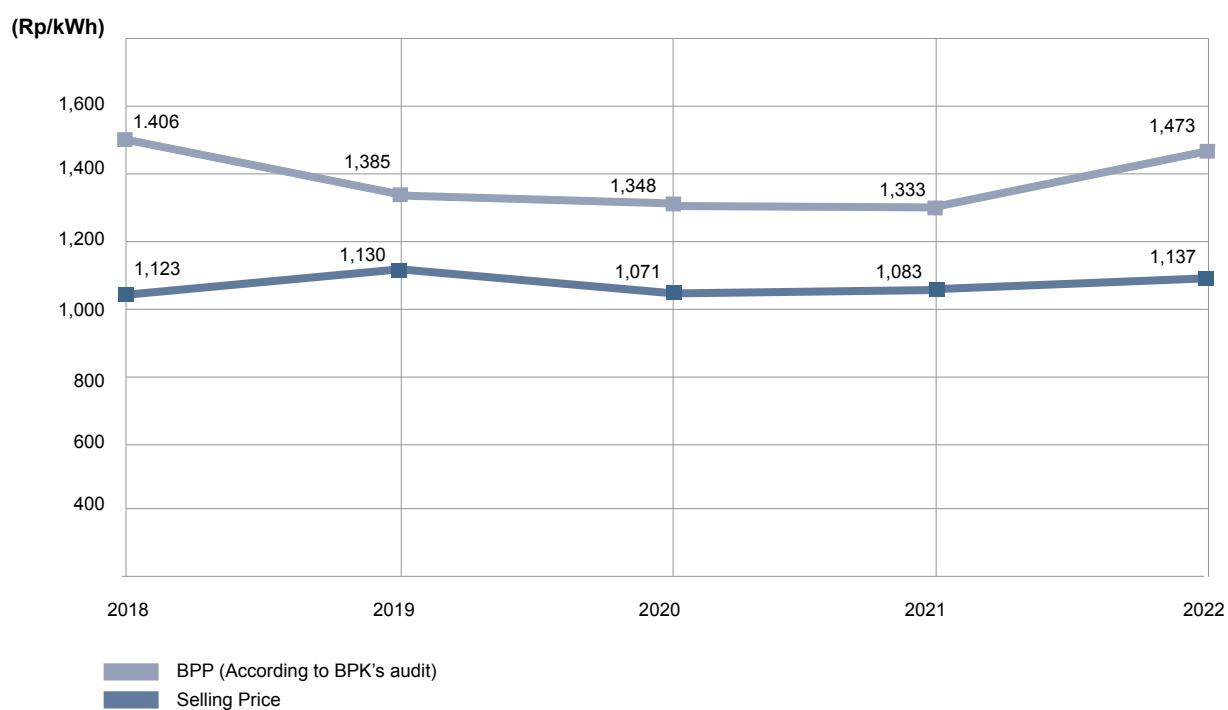


Graph 10. Electrification Ratio *)



*) Excluding non PLN Customers

Graph 11. Basic Cost of Electricity Production and Average Selling Price



04



OPERATIONAL REGIONAL OF PLN

Operational Region and Location of PLN Region Offices





PLN Region Offices and Subsidiaries Address

PT PLN (Persero) UIW Aceh

Jl. Tgk. H. M. Daud Beureu-eh No. 172,
Banda Aceh, 23243

PT PLN (Persero) UIW North Sumatera

Jl. K.L. Yos Soedarno No. 284,
Medan 20115

PT PLN (Persero) UIW West Sumatera

Jl. Dr. Wahidin No. 8,
Padang 25121

PT PLN (Persero) UIW Riau and Riau Archipelago

Jl. Musyawarah, Kel. Labuh Baru Barat,
Kec. Payung Sekaki,
Pekanbaru, Riau 28295

PT PLN (Persero) UIW Bangka Belitung

Jl. Soekarno Hatta Km. 5,
Pangkalpinang 33171, Kep. Bangka Belitung

PT PLN (Persero) UIW South Sumatra, Jambi and Bengkulu

Jl. Kapten A. Rivai No. 37,
Palembang 30129

PT PLN (Persero) UIW West Kalimantan

Jl. Adi Sucipto Km. 7,3 Sei Raya,
Pontianak 78391

PT PLN (Persero) UIW South and Central Kalimantan

Jl. Panglima Batur Barat No. 1,
Banjarbaru 70711 – South Kalimantan

PT PLN (Persero) UIW East and North Kalimantan

Jl. MT. Haryono No. 384,
Balikpapan 76114

PT PLN (Persero) UIW North, Central Sulawesi and Gorontalo

Jl. Bethesda No. 32,
Manado 95116

PT PLN (Persero) UIW South, Southeast and West Sulawesi

Jl. Letjend. Hertasning Blok B, Kotak Pos 1206,
Panakukang, Makassar 90222

PT PLN (Persero) UIW Maluku and North Maluku

Jl. Diponegoro No. 2,
Amboin 97127

PT PLN (Persero) UIW West Nusa Tenggara

Jl. Langko No. 25 – 27,
Ampenan 83114, Mataram

PT PLN (Persero) UIW East Nusa Tenggara

Jl. Piet A. Tallo 101,
Kupang 85228

PT PLN (Persero) UIW Papua and West Papua

Jl. Jend. A. Yani No. 18,
Jayapura 99111 Kotak Pos 1045

PT PLN (Persero) UID Jakarta Raya

Jl. M.I. Ridwan Rais No. 1,
Jakarta 10110

PT PLN (Persero) UID West Java

Jl. Asia Afrika No. 63,
Bandung 40111

PT PLN (Persero) UID Banten

Jl. Jenderal Sudirman (Akses By Pass) No. 1,
Tangerang 15118

PT PLN (Persero) UID Central Java and

D.I. Yogyakarta

Jl. Teuku Umar No. 47,
Semarang 50234

PT PLN (Persero) UID East Java

Jl. Embong Trengguli No. 19 – 21,
Surabaya 60271

PT PLN (Persero) UID Bali

Jl. Letda. Tantular No. 1, Renon,
Denpasar 80234

PT PLN (Persero) UID Lampung

Jl. Z.A. Pagar Alam No. 05,
Bandar Lampung 35144

PT PLN (Persero) Education and Training Center

Jl. HR. Harsono RM No. 59, Pasar Minggu,
Jakarta 12550

PT PLN (Persero) Electricity Maintenance Center

Jl. Banten No. 10,
Bandung 40272

PT PLN (Persero) Electricity Research and Development Center

Jl. Duren Tiga No.102,
Jakarta 12760

PT PLN (Persero) Certification Center

Jl. Laboratorium, Duren Tiga,
Jakarta 12760

PT PLN (Persero) Construction Management Center

Jl. Slamet No. 1, Gajah Mungkur,
Semarang 50232

PT PLN (Persero) UIK Southern Part of Sumatera
Jl. Demang Lebar Daun No. 375,
Palembang 30128

PT PLN (Persero) UIK Northern Part of Sumatera
Jl. Brigjen Katamso KM 5,5, No. 30 Titikuning,
Medan 20146

PT PLN (Persero) UIK Tanjung Jati B
Ds. Tubanan, Kec. Kembang, Kab. Jepara
Jawa Tengah 59453

PT PLN (Persero) UIP2B
Jl. JCC Cinere 16541,
Jakarta Selatan

PT PLN (Persero) UIP3B Sumatera
Jl. Musyawarah/Nangka Ujung, Kel. Labuh Baru Barat
Kecamatan Payung Sekaki,
Pekanbaru, Riau 28233

PT PLN (Persero) UIT Western Part of Java
Jl. JCC, Krakut Limo Cinere
Jakarta Selatan 16154

PT PLN (Persero) UIT Central Part of Java
Jl. Moch. Toha Km.4 Komp. PLN GI Cigereleg
Bandung 40255

PT PLN (Persero) UIT Eastern Part of Java and Bali
Jl. Suningat No.45, Taman Sidoarjo
Surabaya 61257

PT PLN (Persero) UIKL Kalimantan
Jl. Panglima Batur Barat No. 1, Banjarbaru
Kalimantan Selatan 70711

PT PLN (Persero) UIKL Sulawesi
Jl. Letjen Hertasning Blok B
Panakkukang, Makassar 90222

PT PLN (Persero) UIP Sumatera
Jl. R.A. Kartini No.23
Medan 20152

PT PLN (Persero) UIP Northern Part of Sumatera
Jl. Dr. Cipto No. 12
Medan 20152

PT PLN (Persero) UIP Southern Part of Sumatera
Jl. Residen Abdul Rozak No. 2180
Sekojo, Palembang 30118

PT PLN (Persero) UIP Central Part of Sumatera
Komplek Citra Garden Blok R1 No. 7-11 dan R2 No. 1-3
Jl. Purwodadi Panam, Kel. Sidomulyo Barat,
Kec. Tampan, Kota Pekanbaru, Riau 28294

PT PLN (Persero) UIP Western Part of Java
Jl. Ehave – Gandul, Kec. Cinere
Depok 16514

PT PLN (Persero) UIP Central Part of Java I
Jl. Karawitan No. 32 Turangga, Lengkong
Bandung 40264

PT PLN (Persero) UIP Eastern Part of Java and Bali I
Jl. Ketintang Baru I No.1-3
Surabaya 60231

PT PLN (Persero) UIP Nusa Tenggara
Jl. Yos Sudarso No. 2A
Mataram, West Nusa Tenggara 83114

PT PLN (Persero) UIP Western Part of Kalimantan
Jl. Letjen Suprapto No. 50-G
Pontianak, West Kalimantan 78121

PT PLN (Persero) UIP Eastern Part of Kalimantan
Jl. MT Haryono No. 384
Kel. Gunung Bahagia, Kec. Balikpapan Selatan
Kota Balikpapan, East Kalimantan 76114

PT PLN (Persero) UIP Southern Part of Sulawesi
Jl. Letjend Hertasning, Panakkukang
Makassar 90222

PT PLN (Persero) UIP Maluku and Papua
Jl. Baru Kotaraja, Kelurahan Wai Mhorock,
Kecamatan Abepura
Jayapura, Papua 99225

PT Indonesia Power
Jl. Jend. Gatot Subroto Kav. 18,
South Jakarta 12950

PT Pembangkitan Jawa Bali (PJB)
Jl. Ketintang Baru I, No. 11,
Surabaya 60231

PT Pelayanan Listrik Nasional Batam
Jl. Engku Putri No. 3, Batam Center,
Batam 29432

PLN Region Offices and Subsidiaries Address

PT Indonesia Comnets Plus (ICON+)

Kawasan PLN Cawang
Jl. Mayjend. Sutoyo No.1,
Cililitan, East Jakarta, 13640

PT Prima Layanan Nasional Enjiniring

Jl. Ciputat Raya No. 123
Pondok Pinang, Kebayoran Lama,
Jakarta 12310

PT Energy Management Indonesia

Gedung Graha Pura Lantai 3
Jl. Pancoran Indah I No. 52, Pancoran,
South Jakarta, 12780

PT Pelayanan Listrik Nasional Tarakan

Jl. MT. Haryono, Komplek Balikpapan Baru,
Blok A5, No. 1-5, Balikpapan,
East Kalimantan 76114

PT PLN Batubara

Jl. Warung Buncit Raya No. 10
Kalibata, South Jakarta 12740

PT PLN Gas dan Geothermal

Gedung Kyai Maja, Office Tower Lt. 8
Jl. Kyai Maja No. 1, Kebayoran Baru,
South Jakarta 12120

PT Pelayaran Bahtera Adhiguna

Jl. Kalibesar Timur No. 10 – 13
Jakarta 11110

PT Haleyora Power

Kindo Square Blok A15-16
Jl. Duren Tiga Raya No. 101

Majapahit Holding BV

Herengracht 450, 1017 CA Amsterdam,
The Netherlands

PT Mandau Cipta Tenaga Nusantara

Gedung Sentral Senayan II
Jl. Asia Afrika No. 8
Kel. Gelora, Kec. Tanah Abang, Central Jakarta



PLN

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