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PLN



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PLN



**PLN STATISTICS
2017**

Preface

PLN Statistics 2017 contains information on performances of PT PLN (Persero) and its Subsidiary Companies for Calendar Year 2017 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, May 2018

PT PLN (Persero)

1. Generation

Installed Capacity

At the end of Desember 2017 PT PLN (Persero) and Subsidiary Companies owned and operated about 5,389 generating units with total installed capacity of 39,651.79 MW, of which 28,725.53 MW (72.44%) was installed in Java.

The total installed capacity decreased 0.33% compared to the end of December 2016.

The total generating plant capacity broken down by type of power plant as follow : Steam Turbine 19,530.50 MW (49.26%), Combine Cycle 9,022.54 MW (22.75%), Diesel 3,880.02 MW (9.79%), Hydro 3,583.15 MW (9.04%), Gas Turbine 3,075.83 MW (7.76%), Geothermal 550.89 MW (1.39%), Solar Cell and Wind 8.86 MW (0.02%).

Total installed capacity included rental and IPP were 55,925.96 MW.

Peak Load*)

The system peak load for the calendar year 2017 was 38,797.15 MW, decreased 14.40% over the previous year. The peak load for the Java Bali system was 25,665 MW. This is down 22.48% over the previous year.

Energy Production and Purchase

The own energy production throughout the year 2017 was 167,977.87GWh, up 0.91% over the previous year. Of the energy production, 60.13% was produced by PT PLN (Persero) Holding, and 39.87% came from Subsidiary Companies, i.e. PT Indonesia Power, PT PJB, PT PLN Batam. Of this energy production 46,355.86 GWh (27.60%) was produced by natural gas, 101,244.41 GWh (60.27%) was produced by coal fired, 3,611.60 GWh (2.15%) was produced by oil, 12,425.17 GWh (7.40%) was produced by hydro, 4,095.99 GWh (2.44%) came from geothermal and 244,86 GWh (0.15%) was produced by others (solar cell, wind). The share of natural gas, oil and hydro decreased over the previous year, but coal and geothermal was increased.

The total production (including purchase from utilities outside PLN) during the CY 2017 was 254,659.76 GWh, an increased of 6,049.26 GWh or 2.43% over the previous year. Of this energy production, the energy purchased from other utilities outside PLN amounted 73,234.70 GWh (28.76%). This was increased 8,433.15 GWh or 13.01% over the previous year. From the total energy purchased, the greater part were 9,482 GWh (12.95%) from PT Paiton Energy Company, and 6,328 GWh (8.64%) from PT. Jawa Power.

2. Transmission and Distribution

At the end of CY 2017, the total transmission lines was 48,901 kmc of which about 5,073.79 kmc was 500 kV, 2,889.25 kmc was 275 kV, 35,801.96 kmc was 150 kV, 5,035.05 kmc was 70 kV and 100.95 kmc was 25 and 30 kV transmission levels. The total length of distribution lines amounted of 1,028,679.45 kmc of which about 401,959.41 kmc was medium voltage lines (20 kV, 12 kV, 6-7 kV distribution networks) and 626,720.04 kmc was low voltage lines (220/380 V).

The total capacity of substation transformers operated was 113,791 MVA, increased by 15.06% over the previous year. The total substation transformers was 1,742 unit. This consisted of 61 substation transformers with 500 kV system, 24 substation transformers with 275 kV system, 1,420 substation transformers with 150 kV system, 235 substation transformers with 70 kV system and 2 substation transformers with < 30 kV system.

Total capacity of distribution substation transformers increased by 19.96% to be 60.100 MVA and the total substation transformers increased by 8.82% to be 471,765 units.

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

3. Energy Sales

PLN's total energy during the year 2017 was 223,133.72 GWh, up 3.30% from the previous year. Among group of customers, energy sold to Residential was the major share, consuming 94,457.38 GWh (42.33%) followed by Industry 72,238.37 GWh (32.37%), Commercial 41,694.79 GWh (18.69%), and Others (social, government office building, and public street lighting) 14,743.18 GWh (6.61%).

Electricity sold to Residential, Industry, Commercial, and Others group of customers increased by 0.88%, 6.01%, 4.04%, and 4.19%.

Total number of customers was 68,068,283 at the end of 2017. This was up 5.89% from the end of 2016.

PLN's average power rate per kWh throughout the CY 2017 was 1,105 Rp/kWh, was increased compared previous year of 991.37 Rp/kWh.

4. Energy Losses

During the CY 2017, energy losses were 8.75%, consisting of 2.39% transmission losses and 6.53% distribution losses. This was better than the previous year 9.48%.

5. Electrification Ratio

With the growth of total number of residential customers from 59,243,672**) at the end of CY 2016 to 68,068,283**) at the end of 2017, the electrification ratio reached around 93.03%.

6. Financial

In CY 2017, total operation revenues reached Rp. 255,295,243 million out of which electric revenues came to Rp. 246,586,856 (96.59%), connection fees Rp. 7,113,454 million (2.79%) dan other operation revenues Rp. 1,594,933 million (0.62%).

Total operation cost amounted Rp. 275,474,094 million. Government subsidy Rp. 45,738,215 million while the operation profit came to Rp. 25,559,364 million decreased over the previous year that operation profit amounted Rp. 28,813,674 million.

The total asset amounted to approximately Rp. 1,334,957,657 million, increased 4.74% from the previous year.

7. Human Resources

By the end of December 2017, the total number of PLN employees was 54,820 employee. Employees productivity was 4,070 MWh/employee and 1,242 customer/employee.

**) Excluded non PLN Customers

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 ever 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

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 kms 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.

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 2017 means one calendar year as from 1 January 2017 to 31 December 2017.

5. Abbreviations

Hydro	: Hydro Power Plant	MMSCF	: 10 ⁶ Standard Cubic Foot (MM=10 ⁶)
Steam	: Steam Power Plant		
Gas Turbine	: Gas Turbine Power Plant	MMBTU	: 10 ⁶ British Thermal Unit (MM=10 ⁶)
Combined Cycle	: Combined Cycle Power Plant	HSD	: High Speed Diesel Oil
Diesel	: Diesel Power Plant	IDO	: Intermediate Diesel Oil
Geothermal	: Geothermal Power Plant	MFO	: Marine Fuel Oil
Gas Machine	: Gas Machine Power Plant	SAIDI	: System Average Interruption Duration Index
Solar	: Solar Power Plant	SAIFI	: System Average Interruption Frequency Index
Wind	: Wind Power Plan	Dist.	: Distribution
VA	: volt-ampere	G & T	: Generation & Transmission
MVA	: mega-volt-ampere	Gov. Office	
kW	: kilowatt	Building	: Government Office Building
MW	: megawatt	Publ. Street	: Public Street Lighting
kWh	: kilowatt-hour	PJB	: Java Bali Generation Company
MWh	: megawatt-hour	P3B	: Transmission and Control Centre
GWh	: gigawatt-hour	SOD	: System Outage Duration
kmc	: kilometer of circuit	SOF	: System Outage Frequency
MSCF	: 10 ³ Standard Cubic Foot (M=10 ³)	n.a	: not available

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 2017



Table 1 : Power Balance (MW)

2017

PLN Operational Unit/Province	Installed Capacity*)	Rated Capacity	Peak Load
Region of Aceh	215.02	164.08	114.82
Region of North Sumatera	177.88	168.63	37.73
Region of West Sumatera	74.14	58.63	25.89
Region of Riau	528.70	443.20	293.69
- Riau	319.86	282.71	-
- Riau Archipelago	208.85	160.49	-
Region of South Sumatera, Jambi & Bengkulu	301.47	260.01	20.18
- South Sumatera	141.10	131.65	-
- Jambi	92.01	79.99	-
- Bengkulu	68.36	48.38	-
Region of Bangka Belitung	338.20	277.43	177.67
Distribution of Lampung	38.38	34.83	0.35
Region of West Kalimantan	693.53	618.12	507.51
Region of S & C Kalimantan	1,038.88	779.63	680.39
- South Kalimantan	858.94	645.17	-
- Central Kalimantan	179.94	134.46	-
Region of East Kalimantan & North	1,409.75	1,016.51	583.64
Region of N, C Sulawesi & Gorontalo	1,169.03	1,003.61	1,025.68
- North Sulawesi	621.27	540.69	-
- Gorontalo	58.83	46.15	-
- Central Sulawesi	488.92	416.78	-
Region of S, SE & W Sulawesi	1,746.82	1,598.55	2,562.20
- South Sulawesi	1,420.00	1,325.34	-
- Southeast Sulawesi	315.59	263.53	-
- West Sulawesi	11.22	9.68	-
Region of Maluku & North Maluku	447.15	289.84	178.63
- Maluku	323.68	216.18	-
- North Maluku	123.48	73.65	-
Region of Papua	515.22	424.35	445.15
- Papua	81.34	61.81	-
- West Papua	433.88	362.54	-
Distribution of Bali	10.65	5.04	0.80
Region of West Nusa Tenggara	469.60	412.67	325.46
Region of East Nusa Tenggara	327.02	233.25	316.17
PT PLN Batam	633.29	562.49	416.40
Generation of Northern Part of Sumatera	3,783.48	2,702.45	-
Generation of Southern Part of Sumatera	3,028.53	2,492.86	-
Sumatera Trans. & Control Center	2,262.00	2,172.00	5,404.32
Outside Java	19,208.73	15,718.18	13,116.68
Dist. East Java	49.76	38.83	14.88
Dist. of Central Java & Yogyakarta	16.08	9.73	-
- Central Java	15.29	9.73	-
- D.I. Yogyakarta	0.78	-	-
Dist. of West Java	84.08	51.68	-
Dist. of Banten	14.50	14.27	0.30
Dist. of Jakarta Raya & Tangerang	-	-	-
PT Indonesia Power	8,870.59	7,873.56	-
PT Java Bali Genco	7,021.44	6,377.58	-
PJB Sulawesi	68.04	62.20	-
Distribution and Load Control Center (P2B)	7,589.60	7,502.56	25,665.29
Generation of Tanjung Jati B	2,840.00	2,643.80	-
Generation of Western Part of Java	4,401.14	4,050.00	-
Generation of Central Part of Java	3,572.00	3,228.00	-
Generation of Eastern Part of Java & Bali	1,990.00	1,821.00	-
Java	36,517.23	33,673.21	25,680.47
Power Plant Development Unit (UIP) South of Sulawesi	200.00	220.00	-
Indonesia	55,925.96	49,611.39	38,797.15

*) PLN's Power Plant, Rented and IPP

Table 2 : Energy Balance

PLN Operational Unit/Province	Purchased from Outside PLN*)	Received from Other Unit (GWh)	Own Production (GWh)	Own Use Central		Netto Production (GWh)	Own Use Substation Transformer	
				(GWh)	(%)		(GWh)	(%)
Region of Aceh	423.70	2,123.48	142.45	5.18	3.63	2,684.45	-	-
Region of North Sumatera	846.67	10,892.26	5.76	0.09	1.58	11,744.61	-	-
Region of West Sumatera	164.60	3,478.42	26.11	1.44	5.52	3,667.68	-	-
Region of Riau	1,154.31	4,017.03	225.76	16.01	7.09	5,381.09	0.59	0.01
Region South Sumatera, Jambi & Bengkulu	1,097.07	7,739.76	7.08	0.02	0.30	8,843.89	-	-
Region of Bangka Belitung	650.05	-	436.99	48.57	11.11	1,038.47	0.79	0.08
Distribution of Lampung	108.71	4,844.98	0.18	-	0.35	4,953.88	-	-
Region of West Kalimantan	2,274.72	-	408.82	46.02	11.26	2,637.53	1.39	0.05
Region of S & C Kalimantan	1,243.25	-	3,020.70	248.83	8.24	4,015.12	1.88	0.05
Region of East Kalimantan & North	2,932.34	46.64	810.38	98.45	12.15	3,690.91	1.76	0.05
Region of N, C Sulawesi & Gorontalo	2,358.87	0.64	1,248.51	87.57	7.01	3,520.45	1.34	0.04
Region of S, SE & W Sulawesi	5,133.50	90.08	2,033.86	118.17	5.81	7,139.28	2.30	0.03
Region of Maluku & North Maluku	750.77	-	337.34	38.08	11.29	1,050.02	0.02	-
Region of Papua	1,213.92	-	379.77	60.52	15.94	1,533.17	0.11	0.01
Distribution of Bali	12.25	5,324.23	0.04	0.01	33.36	5,336.51	-	-
Region of West Nusa Tenggara	1,392.85	-	503.51	80.66	16.02	1,815.70	0.88	0.05
Region of East Nusa Tenggara	698.22	-	255.76	37.20	14.54	916.79	0.44	0.05
PT PLN Batam	2,314.16	-	297.14	8.19	2.76	2,603.11	1.02	0.04
Generation of Northern Part of Sumatera	2,451.08	102.97	10,332.81	524.87	5.08	12,361.99	-	-
Generation of Southern Part of Sumatera	1,971.50	79.67	8,083.57	574.94	7.11	9,559.80	-	-
Sumatera Trans. & Control Center	10,304.44	23,576.45	-	-	-	33,880.89	17.94	0.05
Outside Java	39,496.99	5,324.23	28,556.57	1,994.83	6.99	71,382.96	30.47	0.04
Dist. of East Java	62.73	36,022.56	57.32	-	-	36,142.61	-	-
Dist. of Central Java & Yogyakarta	52.52	26,630.83	-	-	-	26,683.35	-	-
Dist. of West Java	225.74	50,429.44	-	-	-	50,655.18	-	-
Dist. of Banten	42.35	24,026.03	0.57	-	-	24,068.94	-	-
Dist. of Jakarta Raya & Tangerang	-	34,943.01	-	-	-	34,943.01	-	-
PT Indonesia Power	71.46	201.94	42,164.61	1,910.36	4.53	40,527.65	-	-
PT Java Bali Genco	-	160.70	24,418.18	1,063.20	4.35	23,515.68	-	-
Distribution and Load Control Center (P2B) Java Bali	-	-	-	-	-	-	-	-
Generation of Tanjung Jati B	-	9.05	19,352.86	1,229.97	6.36	18,131.93	-	-
Generation Unit of Java Bali	-	-	-	-	-	-	-	-
Generation of Western Part of Java	-	74.86	24,087.75	1,143.02	4.75	23,019.60	-	-
Generation of Central Part of Java	-	111.18	18,064.73	1,197.30	6.63	16,978.62	-	-
Generation of Eastern Part of Java & Bali	-	58.73	11,275.29	694.60	6.16	10,639.42	-	-
P2B of Western Part of Java	3,562.81	55,559.32	-	-	-	59,122.13	27.24	0.05
P2B of Central Part of Java	20,968.26	60,533.14	-	-	-	81,501.40	35.83	0.04
P2B of Eastern Part of Java & Bali	22,199.03	30,234.84	-	-	-	52,433.87	19.57	0.04
Java	47,184.90	-	139,421.31	7,238.44	5.19	179,367.77	82.64	0.05
Indonesia	86,681.89	-	167,977.88	9,233.26	5.50	245,426.50	82.64	0.03

*) Include Rented Power Plant

Transmission Losses		Send Other Unit	Send to Distribution (GWh)	Own Use						Energy Losses & Own Use		Energy Consumption	
(GWh)	(%)			Distr. Substation	Distr. Losses	Energy Losses	Energy Losses & Own Use	Energy Consumption	(GWh)	(%)	(GWh)	(%)	
-	-	1.39	2,684.45	6.15	0.23	267.81	9.98	267.81	9.98	273.96	10.21	2,409.11	89.74
-	-	880.99	11,744.61	84.68	0.72	1,071.60	9.12	1,071.60	9.12	1,156.28	9.85	9,707.33	82.65
-	-	4.65	3,667.68	1.81	0.05	245.93	6.71	245.93	6.71	247.74	6.75	3,415.29	93.12
6.08	0.11	39.33	5,374.42	4.83	0.09	504.51	9.38	510.59	9.49	516.02	9.59	4,825.75	89.68
-	-	687.29	8,843.89	7.96	0.09	924.20	10.45	924.20	10.45	932.15	10.54	7,224.44	81.69
3.94	0.38	-	1,033.75	0.12	0.01	54.42	5.24	58.36	5.62	59.27	5.71	979.20	94.29
-	-	241.89	4,953.88	74.25	1.50	639.44	12.91	639.44	12.91	713.69	14.41	3,998.29	80.71
53.78	2.04	-	2,582.36	24.41	0.93	305.89	11.60	359.68	13.64	385.47	14.61	2,252.06	85.39
72.63	1.81	48.64	3,940.60	-	-	365.15	9.09	437.79	10.90	439.67	10.95	3,526.81	87.84
25.11	0.68	-	3,664.05	1.19	0.03	244.52	6.62	269.63	7.31	272.58	7.39	3,418.33	92.61
57.12	1.62	2.34	3,461.98	2.08	0.06	383.77	10.90	440.89	12.52	444.31	12.62	3,073.79	87.31
124.86	1.75	1.36	6,925.08	-	-	587.65	8.23	712.51	9.98	714.81	10.01	6,336.08	88.75
4.88	0.47	-	1,045.12	-	-	131.27	12.50	136.15	12.97	136.18	12.97	913.85	87.03
1.26	0.08	-	1,531.80	-	-	139.32	9.09	140.59	9.17	140.70	9.18	1,392.48	90.82
-	-	-	-	4.60	0.09	262.26	4.91	262.26	4.91	266.87	5.00	5,069.64	95.00
19.67	1.08	-	1,795.16	0.18	0.01	117.43	6.47	137.10	7.55	138.16	7.61	1,677.55	92.39
7.47	0.82	-	908.87	0.09	0.01	53.52	5.84	61.00	6.65	61.53	6.71	855.25	93.29
4.34	0.17	405.43	2,597.75	1.90	0.07	123.07	4.73	127.40	4.89	130.33	5.01	2,067.35	79.42
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,126.31	3.32	-	-	-	-	-	-	1,126.31	3.32	1,144.26	3.38	-	-
1,507.47	2.11	-	66,755.45	214.27	0.30	6,421.77	9.00	7,929.24	11.11	8,173.98	11.45	63,142.59	88.46
-	-	0.05	36,142.61	-	-	2,028.40	5.61	2,028.40	5.61	2,028.40	5.61	34,114.15	94.39
-	-	0.48	26,683.35	7.39	0.03	1,548.55	5.80	1,548.55	5.80	1,555.94	5.83	25,126.93	94.17
-	-	404.44	50,655.18	126.86	0.25	2,698.43	5.33	2,698.43	5.33	2,825.29	5.58	47,425.45	93.62
-	-	1,319.07	24,068.94	81.83	0.34	986.57	4.10	986.57	4.10	1,068.40	4.44	21,681.47	90.08
-	-	1,245.20	34,943.01	118.81	0.34	1,935.89	5.54	1,935.89	5.54	2,054.69	5.88	31,643.13	90.56
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	23,515.68	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	10,639.42	-	-	-	-	-	-	-	-	-	-	-
1,436.56	2.43	-	-	-	-	-	-	1,436.56	2.43	1,463.80	2.48	-	-
1,889.33	2.32	-	-	-	-	-	-	1,889.33	2.32	1,925.16	2.36	-	-
1,032.24	1.97	-	-	-	-	-	-	1,032.24	1.97	1,051.81	2.01	-	-
4,358.13	2.43	5,324.23	172,493.09	334.89	0.19	9,197.83	5.13	13,555.96	7.56	13,973.49	7.79	159,991.13	89.20
5,865.60	2.39	-	239,302.33	549.16	0.22	15,619.45	6.53	21,485.04	8.75	22,147.47	9.02	223,133.72	90.92

Table 3 : Load Factor, Capacity Factor and Demand Factor**2017**

PLN Operational Unit/ Province	Load Factor (%)	Capacity Factor (%)	Demand Factor (%)
Region of Aceh	56.29	30.06	9.78
Region of North Sumatera	-	54.71	0.90
Region of West Sumatera	84.09	29.36	1.82
Region of Riau	53.64	29.80	12.81
Region of South Sumatera, Jambi & Bengkulu	-	41.81	0.57
Region of Bangka Belitung	69.84	36.69	31.75
Distribution of Lampung	-	32.39	0.02
Region of West Kalimantan	60.36	44.17	45.62
Region of S & C Kalimantan	69.80	45.72	41.48
Region of East Kalimantan & North	72.07	29.84	37.96
Region of N, C Sulawesi & Gorontalo	40.15	35.23	68.06
Region of S, SE & W Sulawesi	31.12	43.93	79.34
Region of Maluku & North Maluku	69.54	27.78	35.20
Region of Papua	40.87	35.31	56.29
Distribution of Bali	-	13.17	0.03
Region of West Nusa Tenggara	66.51	46.10	30.57
Region of East Nusa Tenggara	34.45	33.31	48.27
PT PLN Batam	71.59	47.07	39.03
Generation of Northern Part of Sumatera	-	38.57	-
Generation of Southern Part of Sumatera	-	37.90	-
Sumatera Trans. & Control Center	21.77	52.00	-
Outside Java	58.93	40.10	42.35
Dist. of East Java	92.10	27.54	0.10
Dist. of Central Java & Yogyakarta	-	37.29	-
Dist. of West Java	-	30.65	-
Dist. of Banten	-	33.79	-
Dist. of Jakarta Raya & Tangerang	-	-	-
PT Indonesia Power	-	54.35	-
PT Java Bali Genco	-	39.84	-
Distribution and Load Control Center (P2B)	-	-	-
Generation of Western Part of Java	-	-	-
Generation of Central Part of Java	-	-	-
Generation of Eastern Part of Java & Bali	-	-	-
Generation of Tanjung Jati B	-	77.79	-
J a v a	82.99	58.47	38.54
Power Plant Development Unit (UIP)	-	-	-
I n d o n e s i a	74.93	51.98	39.75

Table 4 : Number of Customers by Type of Customers
2017

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	1,200,091	2,669	104,385	41,172	9,165	1,650	1,359,132	2.00
Region of North Sumatera	3,251,410	4,031	132,701	64,294	9,223	15,818	3,477,477	5.11
Region of West Sumatera	1,196,879	441	111,313	33,505	6,233	3,107	1,351,478	1.99
Region of Riau	1,537,675	352	140,913	29,962	6,934	3,478	1,719,314	2.53
- Riau	1,329,838	271	115,847	25,930	5,199	2,941	1,480,026	2.17
- Riau Archipelago	207,837	81	25,066	4,032	1,735	537	239,288	0.35
Region of South Sumatera, Jambi & Bengkulu	2,876,213	1,121	121,400	55,563	11,590	7,886	3,073,773	4.52
- South Sumatera	1,987,919	771	74,106	37,736	6,951	5,698	2,113,181	3.10
- Jambi	428,587	235	29,452	8,382	2,158	1,422	470,236	0.69
- Bengkulu	459,707	115	17,842	9,445	2,481	766	490,356	0.72
Region of Bangka Belitung	390,145	374	23,226	6,935	2,479	1,255	424,414	0.62
Distribution of Lampung	1,855,569	757	49,880	44,007	3,844	1,832	1,955,889	2.87
Region of West Kalimantan	943,007	487	69,041	21,039	4,629	2,745	1,040,948	1.53
Region of S & C Kalimantan	1,496,090	783	112,849	42,856	9,426	3,916	1,665,920	2.45
- South Kalimantan	1,017,787	602	53,500	29,395	5,158	2,733	1,109,175	1.63
- Central Kalimantan	478,303	181	59,349	13,461	4,268	1,183	556,745	0.82
Region of East Kalimantan & North	946,988	432	59,786	17,980	5,213	2,502	1,032,901	1.52
Region of N, C Sulawesi & Gorontalo	1,377,243	754	53,389	34,674	9,257	1,976	1,477,293	2.17
- North Sulawesi	587,830	398	24,761	13,835	3,517	768	631,109	0.93
- Gorontalo	233,441	124	7,616	5,879	1,764	382	249,206	0.37
- Central Sulawesi	555,972	232	21,012	14,960	3,976	826	596,978	0.88
Region of S, SE & W Sulawesi	2,536,428	2,245	128,928	47,916	14,434	4,378	2,734,329	4.02
- South Sulawesi	1,886,929	1,871	96,150	33,581	8,765	3,444	2,030,740	2.98
- Southeast Sulawesi	441,133	269	22,163	9,062	4,099	750	477,476	0.70
- West Sulawesi	208,366	105	10,615	5,273	1,570	184	226,113	0.33
Region of Maluku & North Maluku	491,343	105	28,636	11,952	4,516	677	537,229	0.79
- Maluku	289,402	71	18,281	6,816	2,397	224	317,191	0.47
- North Maluku	201,941	34	10,355	5,136	2,119	453	220,038	0.32
Region of Papua	508,140	93	52,031	13,545	6,041	1,335	581,185	0.85
- Papua	303,105	61	31,318	8,055	3,201	585	346,325	0.51
- West Papua	205,035	32	20,713	5,490	2,840	750	234,860	0.35
Distribution of Bali	1,081,694	1,112	202,578	34,238	3,968	5,194	1,328,784	1.95
Region of West Nusa Tenggara	1,136,114	346	37,592	22,976	4,039	2,407	1,203,474	1.77
Region of East Nusa Tenggara	615,132	173	34,024	14,733	5,895	602	670,559	0.99
PT PLN Batam	203,687	341	100,207	2,454	384	1,051	308,124	0.45
Outside Java	23,643,848	16,616	1,562,879	539,801	117,270	61,809	25,942,223	38.11
Dist. of East Java	9,994,368	23,726	626,209	287,422	18,783	42,335	10,992,843	16.15
Dist. of Central Java & Yogyakarta	9,948,614	9,294	443,812	274,955	22,603	42,382	10,741,660	15.78
- Central Java	8,910,045	8,619	384,231	246,332	19,534	35,126	9,603,887	14.11
- D.I. Yogyakarta	1,038,569	675	59,581	28,623	3,069	7,256	1,137,773	1.67
Dist. of West Java	12,388,399	14,590	506,173	265,362	15,131	63,956	13,253,611	19.47
Dist. of Banten	2,711,966	6,324	152,032	52,711	3,518	6,030	2,932,581	4.31
Dist. of Jakarta Raya & Tangerang	3,856,239	6,266	288,259	40,295	5,569	8,737	4,205,365	6.18
Java	38,899,586	60,200	2,016,485	920,745	65,604	163,440	42,126,060	61.89
Indonesia	62,543,434	76,816	3,579,364	1,460,546	182,874	225,249	68,068,283	100
(%)	91.88	0.11	5.26	2.15	0.27	0.33	100.00	-

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

2017

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	910.08	76.80	278.70	103.50	69.33	29.73	1,468.14	1.20
Region of North Sumatera	2,865.37	1,048.56	923.55	224.27	81.72	93.88	5,237.36	4.29
Region of West Sumatera	1,052.94	247.72	318.65	86.70	51.64	18.76	1,776.42	1.46
Region of Riau	1,755.17	157.93	692.53	126.63	90.87	42.74	2,865.88	2.35
- Riau	1,485.48	139.25	555.21	105.68	67.74	37.37	2,390.74	1.96
- Riau Archipelago	269.69	18.68	137.32	20.95	23.13	5.37	475.14	0.39
Region of South Sumatera, Jambi, & Bengkulu	2,845.74	482.44	738.40	167.09	118.35	45.93	4,397.94	3.60
- South Sumatera	1,949.84	390.54	501.54	117.86	77.37	33.15	3,070.30	2.52
- Jambi	490.52	60.28	164.16	28.20	22.82	7.28	773.25	0.63
- Bengkulu	405.38	31.62	72.70	21.03	18.16	5.50	554.39	0.45
Region of Bangka Belitung	429.76	78.50	128.39	34.94	23.02	4.80	699.40	0.57
Distribution of Lampung	1,686.34	436.49	317.91	94.12	39.70	19.56	2,594.13	2.13
Region of West Kalimantan	857.65	82.54	322.75	64.26	48.47	15.04	1,390.72	1.14
Region of S & C Kalimantan	1,267.97	137.60	430.66	100.10	86.19	28.05	2,050.58	1.68
- South Kalimantan	834.05	114.65	278.05	69.05	49.09	20.32	1,365.22	1.12
- Central Kalimantan	433.92	22.95	152.61	31.05	37.10	7.73	685.36	0.56
Region of East Kalimantan & North	1,109.89	95.02	491.94	98.60	108.30	18.36	1,922.10	1.58
Region of N, C Sulawesi & Gorontalo	1,132.53	144.90	396.75	96.93	85.61	27.14	1,883.86	1.54
- North Sulawesi	505.38	106.01	241.64	45.58	29.29	10.29	938.19	0.77
- Gorontalo	177.41	13.44	43.59	14.38	21.72	3.68	274.22	0.22
- Central Sulawesi	449.74	25.45	111.53	36.96	34.60	13.17	671.45	0.55
Region of S, SE & W Sulawesi	2,397.86	482.45	781.92	194.71	129.26	50.59	4,036.78	3.31
- South Sulawesi	1,757.57	445.57	639.50	159.11	90.24	41.24	3,133.23	2.57
- Southeast Sulawesi	445.80	28.05	109.13	23.40	26.64	6.88	639.89	0.52
- West Sulawesi	194.49	8.84	33.28	12.19	12.39	2.47	263.66	0.22
Region of Maluku & North Maluku	425.51	7.31	125.85	28.51	41.91	5.17	634.25	0.52
- Maluku	245.19	4.70	86.67	18.25	25.71	2.23	382.74	0.31
- North Maluku	180.32	2.61	39.18	10.26	16.21	2.94	251.51	0.21
Region of Papua	594.61	10.64	250.97	53.14	72.84	6.29	988.48	0.81
- Papua	358.57	3.17	156.61	31.65	43.98	3.96	597.94	0.49
- West Papua	236.03	7.47	94.36	21.48	28.86	2.34	390.54	0.32
Distribution of Bali	1,508.93	96.77	1,467.69	116.05	69.18	29.45	3,288.07	2.69
Region of West Nusa Tenggara	945.44	54.91	236.63	49.27	29.84	14.56	1,330.66	1.09
Region of East Nusa Tenggara	562.70	19.25	148.62	47.34	36.39	4.51	818.80	0.67
PT PLN Batam	380.85	299.38	589.17	31.94	22.99	9.16	1,333.49	1.09
Outside Java	22,729.32	3,959.20	8,641.09	1,718.09	1,205.61	463.72	38,717.04	31.73
Dist. of East Java	8,264.89	5,782.92	3,069.62	788.69	271.59	205.38	18,383.09	15.07
Dist. of Central Java & Yogyakarta	7,578.38	2,863.14	2,219.52	770.33	224.47	169.90	13,825.74	11.33
- Central Java	6,624.65	2,749.50	1,807.98	619.30	177.27	149.48	12,128.18	9.94
- D.I. Yogyakarta	953.73	113.64	411.54	151.03	47.20	20.42	1,697.56	1.39
Dist. of West Java	10,858.70	7,948.31	3,591.92	661.48	296.13	110.46	23,467.00	19.23
Dist. of Banten	2,686.73	5,193.55	1,697.28	177.96	109.32	39.05	9,903.91	8.12
Dist. of Jakarta Raya & Tangerang	7,139.33	1,837.56	6,978.28	780.93	872.60	112.16	17,720.85	14.52
Java	36,528.05	23,625.47	17,556.63	3,179.38	1,774.12	636.94	83,300.59	68.27
Indonesia	59,257.37	27,584.67	26,197.72	4,897.48	2,979.73	1,100.67	122,017.63	100
(%)	48.56	22.61	21.47	4.01	2.44	0.90	100.00	-

Table 6 : Energy Sold by Type of Customers (GWh)
2017

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	1,533.65	122.45	387.35	163.02	89.81	112.83	2,409.11	1.08
Region of North Sumatera	4,878.56	2,419.85	1,515.21	354.91	119.83	418.96	9,707.33	4.35
Region of West Sumatera	1,653.15	1,001.06	469.71	136.72	65.39	89.26	3,415.29	1.53
Region of Riau	2,835.74	329.34	1,174.80	204.15	125.28	156.44	4,825.75	2.16
- Riau	2,423.05	296.30	945.70	175.79	93.06	136.03	4,069.93	1.82
- Riau Archipelago	412.69	33.04	229.10	28.36	32.22	20.40	755.82	0.34
Region of South Sumatera, Jambi & Bengkulu	4,348.90	1,073.65	1,237.89	242.42	152.19	169.39	7,224.44	3.24
- South Sumatera	3,022.22	911.69	854.85	171.04	98.20	137.52	5,195.52	2.33
- Jambi	704.75	109.65	270.73	40.73	29.18	21.05	1,176.09	0.53
- Bengkulu	621.93	52.32	112.31	30.66	24.81	10.81	852.84	0.38
Region of Bangka Belitung	619.31	107.76	178.26	36.13	28.83	8.90	979.20	0.44
Distribution of Lampung	2,401.90	850.70	467.62	130.66	57.50	89.92	3,998.29	1.79
Region of West Kalimantan	1,430.38	135.75	497.52	86.74	65.62	36.05	2,252.06	1.01
Region of S & C Kalimantan	2,241.32	281.95	682.58	128.34	111.67	80.95	3,526.81	1.58
- South Kalimantan	1,495.95	248.64	434.73	88.67	62.39	61.49	2,391.87	1.07
- Central Kalimantan	745.38	33.31	247.85	39.68	49.27	19.46	1,134.95	0.51
Region of East Kalimantan & North	1,986.60	236.50	851.56	148.25	140.03	55.39	3,418.33	1.53
Region of N, C Sulawesi & Gorontalo	1,769.78	275.63	648.91	134.50	120.15	124.82	3,073.79	1.38
- North Sulawesi	772.56	221.50	399.18	65.29	39.54	46.80	1,544.87	0.69
- Gorontalo	303.60	23.36	72.90	20.95	30.27	9.05	460.13	0.21
- Central Sulawesi	693.62	30.77	176.83	48.26	50.34	68.97	1,068.79	0.48
Region of S, SE & W Sulawesi	3,448.03	1,004.88	1,282.28	260.45	187.59	152.86	6,336.08	2.84
- South Sulawesi	2,658.72	958.73	1,068.01	220.61	137.96	128.47	5,172.50	2.32
- Southeast Sulawesi	575.66	36.59	161.83	27.42	32.55	16.65	850.70	0.38
- West Sulawesi	213.66	9.56	52.44	12.41	17.08	7.74	312.89	0.14
Region of Maluku & North Maluku	580.34	14.05	199.87	35.63	67.74	16.21	913.85	0.41
- Maluku	269.86	10.15	120.96	18.71	36.29	7.08	463.05	0.21
- North Maluku	147.56	3.27	52.25	8.60	19.19	6.25	237.12	0.11
Region of Papua	802.91	13.58	397.21	64.81	96.70	17.27	1,392.48	0.62
- Papua	487.79	5.22	252.44	41.16	62.29	10.11	859.01	0.38
- West Papua	315.12	8.36	144.77	23.65	34.41	7.16	533.47	0.24
Distribution of Bali	2,058.93	173.85	2,526.76	133.79	107.00	69.31	5,069.64	2.27
Region of West Nusa Tenggara	1,074.58	85.52	352.40	62.53	49.02	53.49	1,677.55	0.75
Region of East Nusa Tenggara	507.59	35.03	212.27	46.86	39.18	14.32	855.25	0.38
PT PLN Batam	620.52	522.83	821.48	49.85	38.24	14.44	2,067.35	0.93
Outside Java	34,792.19	8,684.38	13,903.67	2,419.77	1,661.77	1,680.81	63,142.59	28.30
Dist. of East Java	12,928.66	14,695.72	4,402.22	1,112.19	368.45	606.92	34,114.15	15.29
Dist. of Central Java & Yogyakarta	11,875.79	7,956.74	3,382.23	1,090.87	295.20	526.10	25,126.93	11.26
- Central Java	9,717.11	7,223.07	2,618.18	819.70	227.56	451.42	21,057.04	9.44
- D.I. Yogyakarta	1,447.72	240.07	697.00	226.41	58.82	54.47	2,724.49	1.22
Dist. of West Java	17,555.20	22,956.68	5,231.90	951.15	393.52	336.99	47,425.45	21.25
Dist. of Banten	4,599.68	13,623.27	2,957.89	261.90	148.49	90.24	21,681.47	9.72
Dist. of Jakarta Raya & Tangerang	12,705.86	4,321.57	11,816.88	1,259.49	1,253.83	285.50	31,643.13	14.18
Java	59,665.19	63,553.99	27,791.12	4,675.60	2,459.49	1,845.74	159,991.13	71.70
Indonesia	94,457.38	72,238.37	41,694.79	7,095.37	4,121.26	3,526.55	223,133.72	100
(%)	42.33	32.37	18.69	3.18	1.85	1.58	100	-

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

2017

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	883,376.43	123,697.91	349,135.59	106,334.29	114,465.65	163,041.85	1,740,051.72	0.71
Region of North Sumatera	3,554,722.02	2,662,994.90	1,716,622.38	274,292.91	155,096.36	593,649.86	8,957,378.43	3.63
Region of West Sumatera	1,133,809.85	1,024,492.96	461,544.57	97,747.13	84,107.81	130,686.94	2,932,389.25	1.19
Region of Riau	2,096,339.36	359,168.56	1,277,263.75	155,002.78	163,282.57	228,174.91	4,279,231.92	1.74
- Riau	1,548,834.08	322,239.27	987,598.37	131,408.95	119,552.98	198,237.46	3,307,871.12	1.34
- Riau Archipelago	547,505.27	36,929.28	289,665.39	23,593.84	43,729.58	29,937.44	971,360.81	0.39
Region of South Sumatera, Jambi & Bengkulu	3,379,799.87	1,184,459.65	1,463,590.71	180,267.76	199,948.94	248,991.31	6,657,058.24	2.70
- South Sumatera	1,889,523.80	1,001,840.73	974,252.17	124,582.88	126,500.63	202,227.17	4,318,927.38	1.75
- Jambi	860,481.43	121,592.50	350,041.93	32,710.98	39,645.47	30,893.62	1,435,365.92	0.58
- Bengkulu	629,794.65	61,026.42	139,296.61	22,973.90	33,802.84	15,870.53	902,764.95	0.37
Region of Bangka Belitung	35,259.98	124,556.81	168,286.01	21,377.52	34,834.64	9,899.21	394,214.16	0.16
Distribution of Lampung	1,568,404.16	955,109.14	543,927.81	86,881.44	72,655.05	131,034.44	3,358,012.04	1.36
Region of West Kalimantan	848,300.80	151,021.96	491,504.39	59,892.36	82,665.35	52,849.35	1,686,234.21	0.68
Region of S & C Kalimantan	1,358,861.20	315,757.46	713,883.86	84,015.53	144,611.11	117,854.61	2,734,983.78	1.11
- South Kalimantan	570,178.75	276,395.99	429,173.77	54,185.55	77,667.45	89,309.62	1,496,911.13	0.61
- Central Kalimantan	788,682.46	39,361.48	284,710.09	29,829.97	66,943.66	28,544.99	1,238,072.65	0.50
Region of East Kalimantan & North	1,210,563.08	269,158.72	937,019.84	103,876.77	170,851.99	80,632.31	2,772,102.72	1.12
Region of N, C Sulawesi & Gorontalo	952,158.72	308,264.21	703,542.88	90,048.13	139,275.68	179,516.62	2,372,806.23	0.96
- North Sulawesi	557,284.22	238,575.21	381,849.01	37,873.49	51,809.83	65,731.62	1,333,123.37	0.54
- Gorontalo	260,768.78	29,835.01	91,639.44	16,565.21	40,207.44	14,545.86	453,561.74	0.18
- Central Sulawesi	134,105.72	39,853.99	230,054.42	35,609.43	47,258.41	99,239.14	586,121.12	0.24
Region of S, SE & W Sulawesi	2,623,508.84	1,073,754.88	1,518,283.36	201,592.63	242,961.71	221,999.49	5,882,100.91	2.39
- South Sulawesi	1,762,230.67	1,021,778.13	1,249,800.93	169,597.70	176,357.99	186,218.22	4,565,983.64	1.85
- Southeast Sulawesi	630,714.28	40,786.71	204,893.12	22,388.91	43,764.46	24,422.48	966,969.97	0.39
- West Sulawesi	230,563.89	11,190.04	63,589.31	9,606.01	22,839.26	11,358.79	349,147.30	0.14
Region of Maluku & North Maluku	376,520.99	15,332.57	221,602.80	24,128.31	91,149.98	23,423.21	752,157.87	0.31
- Maluku	192,871.30	12,547.05	152,171.66	17,354.51	63,647.76	14,672.88	453,265.16	0.18
- North Maluku	183,649.69	2,785.52	69,431.14	6,773.80	27,502.22	8,750.33	298,892.71	0.12
Region of Papua	404,699.50	15,730.72	380,231.18	43,503.55	118,000.17	24,891.38	987,056.49	0.40
- Papua	315,403.88	5,489.74	204,516.33	24,315.39	74,394.99	14,331.58	638,451.91	0.26
- West Papua	89,295.62	10,240.98	175,714.85	19,188.16	43,605.18	10,559.80	348,604.58	0.14
Distribution of Bali	1,256,105.29	191,602.89	2,626,806.01	95,727.67	139,336.22	100,912.89	4,410,490.97	1.79
Region of West Nusa Tenggara	416,247.07	96,060.74	396,531.23	40,851.52	53,723.94	77,346.25	1,080,760.75	0.44
Region of East Nusa Tenggara	23,286.23	39,076.10	173,225.76	25,515.18	39,790.64	20,061.42	320,955.34	0.13
PT PLN Batam	752,430.39	642,020.23	1,036,549.54	51,238.62	69,659.31	29,253.07	2,581,151.16	1.05
Outside Java	22,874,393.78	9,552,260.41	15,179,551.67	1,742,294.11	2,116,417.09	2,434,219.14	53,899,136.20	21.86
Dist. of East Java	8,184,037.80	15,836,973.99	4,612,520.12	796,937.29	470,049.24	887,019.45	30,787,537.90	12.49
Dist. of Central Java & Yogyakarta	6,972,112.30	8,756,887.89	3,703,208.82	792,521.58	381,131.23	771,000.23	21,376,862.05	8.67
- Central Java	5,487,289.82	8,492,108.62	2,829,481.90	599,621.17	304,241.68	691,104.55	18,403,847.73	7.46
- D.I. Yogyakarta	1,484,822.48	264,779.27	873,726.92	192,900.41	76,889.56	79,895.67	2,973,014.32	1.21
Dist. of West Java	10,863,250.63	25,419,156.10	5,591,984.98	670,037.89	490,884.55	491,574.68	43,526,888.82	17.65
Dist. of Banten	3,015,593.19	14,438,980.87	3,288,121.70	196,671.56	184,115.78	130,252.48	21,253,735.59	8.62
Dist. of Jakarta Raya & Tangerang	12,350,976.59	4,668,624.79	13,509,025.16	1,123,057.86	1,474,271.98	419,002.98	33,544,959.34	13.60
Java	41,385,970.53	69,120,623.63	30,704,860.78	3,579,226.18	3,000,452.78	2,698,849.82	150,489,983.71	61.03
Prepaid Electricity Central Unit	35,529,257.33 (42,241.85)	47,997.25 (68,093.67)	6,084,585.02 (33,240.61)	509,839.02 (3,668.39)	155,514.30 (3,170.28)	23,798.45 (2,840.70)	42,350,991.37 (153,255.50)	- -
Indonesia	99,747,379.79	78,652,787.62	51,935,756.86	5,827,690.91	5,269,213.89	5,154,026.71	246,586,855.78	100
(%)	40.45	31.90	21.06	2.36	2.14	2.09	100	-

Table 8 : Average Energy Sold by Customers (kWh)**2017**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
Region of Aceh	1,277.95	45,878.11	3,710.78	3,959.46	9,799.46	68,378.98	1,772.53
Region of North Sumatera	1,500.44	600,309.96	11,418.23	5,520.16	12,992.83	26,486.36	2,791.49
Region of West Sumatera	1,381.22	2,269,968.85	4,219.76	4,080.54	10,491.23	28,729.15	2,527.08
Region of Riau	1,844.18	935,619.25	8,337.06	6,813.79	18,066.78	44,978.66	2,806.79
- Riau	2,054.67	1,184,665.01	9,612.25	7,589.63	22,461.44	51,438.79	3,129.56
- Riau Archipelago	497.35	102,392.06	2,443.56	1,824.27	4,898.00	9,598.29	810.40
Region of South Sumatera, Jambi & Bengkulu	1,512.02	957,763.05	10,196.80	4,363.04	13,131.10	21,479.62	2,350.35
- South Sumatera	2,019.68	1,338,355.86	15,336.01	5,915.52	19,755.08	28,326.81	3,173.07
- Jambi	413.06	118,738.71	2,440.23	1,302.05	3,682.91	3,728.68	640.04
- Bengkulu	341.32	120,664.41	1,655.15	876.85	2,790.88	3,498.58	444.99
Region of Bangka Belitung	1,587.39	288,131.14	7,675.02	5,210.36	11,630.51	7,093.70	2,307.19
Distribution of Lampung	1,294.43	1,123,773.91	9,374.85	2,969.03	14,959.42	49,083.25	2,044.23
Region of West Kalimantan	1,516.83	278,748.54	7,206.15	4,122.85	14,174.96	13,133.70	2,163.47
Region of S & C Kalimantan	1,498.12	360,089.85	6,048.59	2,994.79	11,846.53	20,670.85	2,117.03
- South Kalimantan	2,014.71	453,627.63	11,552.68	3,999.67	19,057.91	27,766.67	2,915.19
- Central Kalimantan	398.86	48,986.26	1,086.95	800.42	3,131.37	4,277.88	526.90
Region of East Kalimantan & North	2,097.81	547,447.47	14,243.40	8,245.41	26,862.42	22,139.42	3,309.45
Region of N, C Sulawesi & Gorontalo	1,285.02	365,557.20	12,154.32	3,878.99	12,979.85	63,169.37	2,080.69
- North Sulawesi	338.30	155,446.69	4,474.84	1,228.60	3,158.36	15,309.13	651.86
- Gorontalo	344.89	56,520.46	2,734.35	997.99	4,741.13	5,912.99	500.93
- Central Sulawesi	2,680.72	891,180.22	24,618.36	7,462.26	25,322.74	134,148.31	4,250.69
Region of S, SE & W Sulawesi	1,359.40	447,608.71	9,945.69	5,435.46	12,996.07	34,915.09	2,317.23
- South Sulawesi	1,716.49	529,843.86	12,741.19	7,415.35	19,800.32	42,583.44	2,966.66
- Southeast Sulawesi	347.03	40,523.58	1,944.59	866.94	2,285.47	5,699.52	478.74
- West Sulawesi	268.97	25,170.05	1,329.72	677.85	2,972.84	10,468.94	366.94
Region of Maluku & North Maluku	1,181.13	133,856.94	6,979.82	2,980.89	14,999.60	23,944.61	1,701.04
- Maluku	1,782.89	181,786.92	9,965.20	4,617.36	25,309.86	63,131.76	2,576.79
- North Maluku	318.75	33,767.88	1,709.36	809.13	3,336.70	4,567.30	438.62
Region of Papua	1,580.10	146,018.08	7,634.12	4,784.76	16,007.48	12,933.02	2,395.93
- Papua	1,559.13	77,377.05	7,843.41	4,675.36	18,772.26	17,418.80	2,399.13
- West Papua	408.44	74,480.72	1,885.40	1,218.58	3,421.46	2,386.33	610.48
Distribution of Bali	1,903.43	156,340.54	12,473.00	3,907.70	26,965.01	13,344.57	3,815.25
Region of West Nusa Tenggara	945.84	247,175.97	9,374.41	2,721.43	12,137.08	22,224.26	1,393.92
Region of East Nusa Tenggara	825.17	202,490.27	6,238.79	3,180.69	6,646.80	23,786.88	1,275.43
PT PLN Batam	3,046.42	1,533,223.21	8,197.80	20,311.81	99,576.90	13,740.03	6,709.46
Outside Java	1,471.51	522,651.70	8,896.19	4,482.70	14,170.47	27,193.61	2,433.97
Dist. of East Java	1,293.59	619,393.14	7,029.95	3,869.52	19,616.27	14,336.02	3,103.31
Dist. of Central Java & Yogyakarta	1,193.71	856,116.30	7,620.86	3,967.46	13,060.16	12,413.29	2,339.20
- Central Java	1,170.37	895,310.29	6,988.57	3,509.35	12,101.05	13,426.84	2,332.64
- D.I. Yogyakarta	1,393.95	355,652.52	11,698.43	7,910.01	19,164.87	7,506.72	2,394.57
Dist. of West Java	1,417.07	1,573,452.98	10,336.18	3,584.36	26,007.60	5,269.15	3,578.30
Dist. of Banten	1,696.07	2,154,218.04	19,455.73	4,968.63	42,207.24	14,964.65	7,393.31
Dist. of Jakarta Raya & Tangerang	3,294.88	689,685.58	40,993.97	31,256.63	225,144.87	32,676.87	7,524.47
Java	1,533.83	1,055,714.12	13,781.96	5,078.06	37,489.92	11,293.10	3,797.91
Indonesia	1,510.27	940,407.87	11,648.66	4,858.02	22,536.06	15,656.25	3,278.09

Table 9 : Average Selling Price of Electricity by Type of Customer (Rp/kWh)

2017

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
Region of Aceh	576.00	1,010.20	901.35	652.28	1,274.50	1,445.08	722.28
Region of North Sumatera	728.64	1,100.48	1,132.93	772.84	1,294.27	1,416.96	922.74
Region of West Sumatera	685.85	1,023.41	982.61	714.95	1,286.21	1,464.09	858.61
Region of Riau	739.26	1,090.58	1,087.22	759.24	1,303.39	1,458.59	886.75
- Riau	639.21	1,087.55	1,044.30	747.53	1,284.75	1,457.28	812.76
- Riau Archipelago	1,326.68	1,117.73	1,264.37	831.80	1,357.23	1,467.29	1,285.18
Region of South Sumatera, Jambi & Bengkulu	777.16	1,103.21	1,182.33	743.61	1,313.82	1,469.94	921.46
- South Sumatera	625.21	1,098.89	1,139.68	728.39	1,288.19	1,470.50	831.28
- Jambi	1,220.98	1,108.94	1,292.96	803.14	1,358.70	1,467.32	1,220.46
- Bengkulu	1,012.64	1,166.45	1,240.27	749.43	1,362.44	1,467.93	1,058.54
Region of Bangka Belitung	569.34	1,155.86	944.05	591.62	1,208.19	1,111.95	402.59
Distribution of Lampung	652.99	1,122.74	1,163.19	664.95	1,263.48	1,457.23	839.86
Region of West Kalimantan	593.06	1,112.50	987.91	690.48	1,259.84	1,465.92	748.75
Region of S & C Kalimantan	606.28	1,119.90	1,045.86	654.61	1,295.04	1,455.95	775.48
- South Kalimantan	381.15	1,111.63	987.22	611.09	1,244.87	1,452.43	625.83
- Central Kalimantan	1,058.09	1,181.67	1,148.72	751.76	1,358.71	1,466.85	1,090.86
Region of East Kalimantan & North	609.37	1,138.10	1,100.36	700.68	1,220.08	1,455.65	810.95
Region of N, C Sulawesi & Gorontalo	538.01	1,118.40	1,084.20	669.50	1,159.14	1,438.17	771.95
- North Sulawesi	721.35	1,077.09	956.58	580.08	1,310.31	1,404.52	862.94
- Gorontalo	858.92	1,277.18	1,257.06	790.70	1,328.29	1,607.28	985.73
- Central Sulawesi	193.34	1,295.22	1,300.99	737.87	938.78	1,438.87	548.40
Region of S, SE & W Sulawesi	760.87	1,068.54	1,184.05	774.03	1,295.21	1,452.32	928.35
- South Sulawesi	662.81	1,065.76	1,170.21	768.77	1,278.33	1,449.51	882.74
- Southeast Sulawesi	1,095.64	1,114.70	1,266.10	816.52	1,344.53	1,466.82	1,136.68
- West Sulawesi	1,079.12	1,170.51	1,212.61	774.05	1,337.19	1,467.54	1,115.88
Region of Maluku & North Maluku	648.79	1,090.90	1,108.71	677.24	1,345.62	1,444.94	823.07
- Maluku	714.71	1,236.16	1,258.03	927.55	1,753.86	2,072.44	978.87
- North Maluku	1,244.58	851.84	1,328.83	787.65	1,433.15	1,400.05	1,260.51
Region of Papua	504.04	1,158.40	957.25	671.25	1,220.26	1,441.68	708.85
- Papua	646.60	1,051.67	810.16	590.75	1,194.33	1,417.56	743.24
- West Papua	283.37	1,225.00	1,213.75	811.34	1,267.22	1,474.83	653.47
Distribution of Bali	610.08	1,102.11	1,039.60	715.50	1,302.24	1,455.93	869.98
Region of West Nusa Tenggara	387.36	1,123.22	1,125.22	653.34	1,095.92	1,445.89	644.25
Region of East Nusa Tenggara	1,337.09	1,120.29	1,372.35	898.13	1,382.84	1,467.28	1,287.02
PT PLN Batam	1,212.59	1,227.97	1,261.81	1,027.96	1,821.75	2,025.73	1,248.53
Outside Java	657.46	1,099.94	1,091.77	720.03	1,273.59	1,448.24	853.61
Dist. of East Java	633.02	1,077.66	1,047.77	716.55	1,275.74	1,461.52	902.49
Dist. of Central Java & Yogyakarta	587.09	1,100.56	1,094.90	726.50	1,291.10	1,465.50	850.75
- Central Java	564.70	1,175.69	1,080.71	731.51	1,336.97	1,530.96	874.00
- D.I. Yogyakarta	1,025.63	1,102.93	1,253.55	852.00	1,307.20	1,466.78	1,091.22
Dist. of West Java	618.81	1,107.27	1,068.83	704.45	1,247.42	1,458.71	917.80
Dist. of Banten	655.61	1,059.88	1,111.64	750.94	1,239.96	1,443.45	980.27
Dist. of Jakarta Raya & Tangerang	972.07	1,080.31	1,143.20	891.68	1,175.81	1,467.62	1,060.10
Java	693.64	1,087.59	1,104.84	765.51	1,219.95	1,462.20	940.61
Indonesia	1,056.00	1,088.80	1,245.62	821.34	1,278.54	1,461.49	1,105.11

Table 10 : Number of Customers by Type of Voltage
2017

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multipurpose		
Region of Aceh	1,358,768	364	-	-	1,359,132	2.00
Region of North Sumatera	3,476,136	1,338	3	-	3,477,477	5.11
Region of West Sumatera	1,351,106	370	2	-	1,351,478	1.99
Region of Riau	1,718,692	622	-	-	1,719,314	2.53
- Riau	1,479,482	544	-	-	1,480,026	2.17
- Riau Archipelago	239,210	78	-	-	239,288	0.35
Region of South Sumatera, Jambi & Bengkulu	3,072,870	902	1	-	3,073,773	4.52
- South Sumatera	2,112,539	641	1	-	2,113,181	3.10
- Jambi	470,131	105	-	-	470,236	0.69
- Bengkulu	490,200	156	-	-	490,356	0.72
Region of Bangka Belitung	423,657	757	-	-	424,414	0.62
Distribution of Lampung	1,955,294	595	-	-	1,955,889	2.87
Region of West Kalimantan	1,040,685	263	-	-	1,040,948	1.53
Region of S & C Kalimantan	1,665,580	340	-	-	1,665,920	2.45
- South Kalimantan	1,108,917	258	-	-	1,109,175	1.63
- Central Kalimantan	556,663	82	-	-	556,745	0.82
Region of East Kalimantan & North	1,032,495	406	-	-	1,032,901	1.52
Region of N, C Sulawesi & Gorontalo	1,476,901	391	1	-	1,477,293	2.17
- North Sulawesi	630,876	232	1	-	631,109	0.93
- Gorontalo	249,146	60	-	-	249,206	0.37
- Central Sulawesi	596,879	99	-	-	596,978	0.88
Region of S, SE & W Sulawesi	2,733,456	871	2	-	2,734,329	4.02
- South Sulawesi	2,030,025	713	2	-	2,030,740	2.98
- Southeast Sulawesi	477,367	109	-	-	477,476	0.70
- West Sulawesi	226,064	49	-	-	226,113	0.33
Region of Maluku & North Maluku	537,081	148	-	-	537,229	0.79
- Maluku	317,057	134	-	-	317,191	0.47
- North Maluku	220,024	14	-	-	220,038	0.32
Region of Papua	581,007	178	-	-	581,185	0.85
- Papua	346,205	120	-	-	346,325	0.51
- West Papua	234,802	58	-	-	234,860	0.35
Distribution of Bali	1,285,258	43,526	-	-	1,328,784	1.95
Region of West Nusa Tenggara	1,203,275	199	-	-	1,203,474	1.77
Region of East Nusa Tenggara	670,155	404	-	-	670,559	0.99
PT PLN Batam	245,204	62,920	-	-	308,124	0.45
Outside Java	25,827,620	114,594	9	-	25,942,223	38.11
Dist. of East Java	10,988,919	3,900	24	-	10,992,843	16.15
Dist. of Central Java & Yogyakarta	10,738,190	3,465	5	-	10,741,660	15.78
- Central Java	9,600,858	3,024	5	-	9,603,887	14.11
- D.I. Yogyakarta	1,137,332	441	-	-	1,137,773	1.67
Dist. of West Java	13,247,305	6,279	27	-	13,253,611	19.47
Dist. of Banten	2,928,559	3,998	24	-	2,932,581	4.31
Dist. of Jakarta Raya & Tangerang	4,191,855	13,506	4	-	4,205,365	6.18
Java	42,094,828	31,148	84	-	42,126,060	61.89
Indonesia	67,922,448	145,742	93	-	68,068,283	100.00
(%)	99.79	0.21	-	-	100.00	-

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

2017

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multi- purpose		
Region of Aceh	1,382.18	85.96	-	-	1,468.14	1.20
Region of North Sumatera	4,001.64	1,144.62	91.1	-	5,237.36	4.29
Region of West Sumatera	1,469.32	167.098	140	-	1,776.42	1.46
Region of Riau	2,521.03	344.84	-	-	2,865.88	2.35
- Riau	2,099.53	291.21	-	-	2,390.74	1.96
- Riau Archipelago	421.50	53.63	-	-	475.14	0.39
Region of South Sumatera, Jambi & Bengkulu	3,727.50	625.44	45.0	-	4,397.94	3.60
- South Sumatera	2,530.19	495.11	45.00	-	3,070.30	2.52
- Jambi	685.15	88.10	-	-	773.25	0.63
- Bengkulu	512.16	42.23	-	-	554.39	0.45
Region of Bangka Belitung	596.8145	102.59	-	-	699.40	0.57
Distribution of Lampung	2,100.31	493.81	-	-	2,594.13	2.13
Region of West Kalimantan	1,256.24	134.48	-	-	1,390.72	1.14
Region of S & C Kalimantan	1,823.96	226.62	-	-	2,050.58	1.68
- South Kalimantan	1,181.04	184.18	-	-	1,365.22	1.12
- Central Kalimantan	642.92	42.44	-	-	685.36	0.56
Region of East Kalimantan & North	1,607.76	314.34	-	-	1,922.10	1.58
Region of N, C Sulawesi & Gorontalo	1,608.89	244.97	30.00	-	1,883.86	1.54
- North Sulawesi	739.40	168.79	30	-	938.19	0.77
- Gorontalo	250.05	24.17	-	-	274.22	0.22
- Central Sulawesi	619.44	52.01	-	-	671.45	0.55
Region of S, SE & W Sulawesi	3,409.73	504.81	122.25	-	4,036.78	3.31
- South Sulawesi	2,550.28	460.71	122.25	-	3,133.23	2.57
- Southeast Sulawesi	603.04	36.84	-	-	639.89	0.52
- West Sulawesi	256.41	7.26	-	-	263.66	0.22
Region of Maluku & North Maluku	600.44	33.81	-	-	634.25	0.52
- Maluku	354.91	27.83	-	-	382.74	0.31
- North Maluku	245.53	5.99	-	-	251.51	0.21
Region of Papua	919.84	68.64	-	-	988.48	0.81
- Papua	553.94	44.00	-	-	597.94	0.49
- West Papua	365.90	24.64	-	-	390.54	0.32
Distribution of Bali	2,644.99	643.09	-	-	3,288.07	2.69
Region of West Nusa Tenggara	1,231.87	98.79	-	-	1,330.66	1.09
Region of East Nusa Tenggara	766.25	52.55	-	-	818.80	0.67
PT PLN Batam	702.50	630.99	-	-	1,333.49	1.09
Outside Java	32,371.25	5,917.45	428.35	-	38,717.04	31.73
Dist. of East Java	12,490.57	4,836.86	1,055.66	-	18,383.09	15.07
Dist. of Central Java & Yogyakarta	10,655.11	2,929.63	241.00	-	13,825.74	11.33
- Central Java	9,263.44	2,623.75	241.00	-	12,128.18	9.94
- D.I. Yogyakarta	1,391.68	305.88	-	-	1,697.56	1.39
Dist. of West Java	14,748.39	7,305.72	1,412.90	-	23,467.00	19.23
Dist. of Banten	4,223.36	4,109.75	1,570.80	-	9,903.91	8.12
Dist. of Jakarta Raya & Tangerang	10,742.07	6,715.64	263.14	-	17,720.85	14.52
Java	52,859.50	25,897.59	4,543.50	-	83,300.59	68.27
Indonesia	85,230.75	31,815.04	4,971.85	-	122,017.63	100.00
(%)	69.85	26.07	4.07	-	100.00	-

Table 12 : Energy Sold by Type of Voltage (GWh)
2017

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multipurpose		
Region of Aceh	2,260.71	148.40	-	-	2,409.11	1.08
Region of North Sumatera	6,861.06	2,684.05	162.22	-	9,707.33	4.35
Region of West Sumatera	2,307.87	330.67	776.76	-	3,415.29	1.53
Region of Riau	4,148.02	677.73	-	-	4,825.75	2.16
- Riau	3,981.26	650.56	-	-	4,631.83	2.08
- Riau Archipelago	166.75	27.16	-	-	193.92	0.09
Region of South Sumatera, Jambi & Bengkulu	5,736.56	1,375.06	112.82	-	7,224.44	3.24
- South Sumatera	5,284.01	1,308.44	-	-	6,592.45	2.95
- Jambi	253.32	47.65	-	-	300.97	0.13
- Bengkulu	199.23	18.97	-	-	218.20	0.10
Region of Bangka Belitung	831.90	147.31	-	-	979.20	0.44
Distribution of Lampung	3,063.37	934.92	-	-	3,998.29	1.79
Region of West Kalimantan	2,025.10	226.95	-	-	2,252.06	1.01
Region of S & C Kalimantan	3,111.00	415.81	-	-	3,526.81	1.58
- South Kalimantan	2,036.30	355.57	-	-	2,391.87	1.07
- Central Kalimantan	1,074.70	60.24	-	-	1,134.94	0.51
Region of East Kalimantan & North	2,785.02	633.31	-	-	3,418.33	1.53
Region of N, C Sulawesi & Gorontalo	2,554.86	443.53	75.41	-	3,073.79	1.38
- North Sulawesi	1,142.93	326.53	75.41	-	1,544.87	0.69
- Gorontalo	417.00	43.12	-	-	460.12	0.21
- Central Sulawesi	994.92	73.87	-	-	1,068.79	0.48
Region of S, SE & W Sulawesi	5,023.01	857.71	455.37	-	6,336.08	2.84
- South Sulawesi	3,924.80	792.32	455.37	-	5,172.49	2.32
- Southeast Sulawesi	794.70	56.01	-	-	850.71	0.38
- West Sulawesi	303.50	9.38	-	-	312.88	0.14
Region of Maluku & North Maluku	860.89	52.96	-	-	913.85	0.41
- Maluku	422.28	40.77	-	-	463.05	0.21
- North Maluku	226.80	10.32	-	-	237.12	0.11
Region of Papua	1,284.29	108.19	-	-	1,392.48	0.62
- Papua	784.87	74.14	-	-	859.01	0.38
- West Papua	499.42	34.04	-	-	533.46	0.24
Distribution of Bali	3,734.92	1,334.72	-	-	5,069.64	2.27
Region of West Nusa Tenggara	1,517.55	160.00	-	-	1,677.55	0.75
Region of East Nusa Tenggara	762.81	92.45	-	-	855.25	0.38
PT PLN Batam	1,082.74	984.60	-	-	2,067.35	0.93
Outside Java	49,951.66	11,608.35	1,582.58	-	63,142.59	28.30
Dist. of East Java	18,904.36	11,387.19	3,822.60	-	34,114.15	15.29
Dist. of Central Java & Yogyakarta	16,438.95	7,982.67	705.31	-	25,126.93	11.26
- Central Java	13,445.64	6,905.55	705.31	0.53	21,057.03	9.43
- D.I. Yogyakarta	2,119.07	605.42	-	-	2,724.49	1.22
Dist. of West Java	23,101.44	19,492.55	4,831.45	-	47,425.45	21.25
Dist. of Banten	6,767.37	10,026.61	4,887.50	-	21,681.47	9.72
Dist. of Jakarta Raya & Tangerang	17,867.08	12,998.26	777.79	-	31,643.13	14.19
Java	83,079.20	61,887.27	15,024.65	-	159,991.13	71.70
Indonesia	133,030.86	73,495.63	16,607.23	-	223,133.72	100.00
(%)	59.62	32.94	7.44	-	100.00	-

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

2017

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multipurpose		
Region of Aceh	1,583,768.14	153,838.87	-	2,444.71	1,740,051.72	0.71
Region of North Sumatera	5,806,948.68	2,944,496.87	158,534.83	47,398.06	8,957,378.43	3.63
Region of West Sumatera	1,793,121.26	356,629.63	774,223.76	8,414.60	2,932,389.25	1.19
Region of Riau	3,526,296.75	740,669.21	-	12,265.96	4,279,231.92	1.74
- Riau	2,704,443.35	591,161.80	-	12,265.96	3,307,871.12	1.34
- Riau Archipelago	821,853.40	149,507.41	-	-	971,360.81	0.39
Region of South Sumatera, Jambi & Bengkulu	5,016,770.17	1,426,121.46	112,453.74	101,712.88	6,657,058.24	2.70
- South Sumatera	2,996,475.36	1,108,285.41	112,453.74	101,712.88	4,318,927.38	1.75
- Jambi	1,217,690.04	217,675.87	-	-	1,435,365.92	0.58
- Bengkulu	802,604.77	100,160.18	-	-	902,764.95	0.37
Region of Bangka Belitung	222,096.17	166,780.71	-	5,337.28	394,214.16	0.16
Distribution of Lampung	2,307,579.32	1,042,830.84	-	7,601.88	3,358,012.04	1.36
Region of West Kalimantan	1,429,450.97	246,454.70	-	10,328.53	1,686,234.21	0.68
Region of S & C Kalimantan	2,263,518.76	462,743.99	-	8,721.03	2,734,983.78	1.11
- South Kalimantan	1,137,009.48	351,180.62	-	8,721.03	1,496,911.13	0.61
- Central Kalimantan	1,126,509.28	111,563.37	-	-	1,238,072.65	0.50
Region of East Kalimantan & North	2,040,175.47	716,704.73	-	15,222.52	2,772,102.72	1.12
Region of N, C Sulawesi & Gorontalo	1,779,287.83	494,231.61	78,966.34	20,320.44	2,372,806.23	0.96
- North Sulawesi	863,685.61	370,150.98	78,966.34	20,320.44	1,333,123.37	0.54
- Gorontalo	412,741.18	40,820.56	-	-	453,561.74	0.18
- Central Sulawesi	502,861.04	83,260.08	-	-	586,121.12	0.24
Region of S, SE & W Sulawesi	4,449,700.80	919,480.34	459,737.13	53,182.65	5,882,100.91	2.39
- South Sulawesi	3,242,451.09	810,612.77	459,737.13	53,182.65	4,565,983.64	1.85
- Southeast Sulawesi	870,272.97	96,697.00	-	-	966,969.97	0.39
- West Sulawesi	336,976.74	12,170.57	-	-	349,147.30	0.14
Region of Maluku & North Maluku	690,018.30	56,846.46	-	5,293.10	752,157.87	0.31
- Maluku	407,654.57	40,317.49	-	5,293.10	453,265.16	0.18
- North Maluku	282,363.73	16,528.98	-	-	298,892.71	0.12
Region of Papua	864,609.44	116,151.22	-	6,295.83	987,056.49	0.40
- Papua	556,297.36	75,858.73	-	6,295.83	638,451.93	0.26
- West Papua	308,312.08	40,292.48	-	-	348,604.57	0.14
Distribution of Bali	2,945,816.40	1,439,556.54	-	25,118.03	4,410,490.97	1.79
Region of West Nusa Tenggara	898,197.05	176,265.22	-	6,298.47	1,080,760.75	0.44
Region of East Nusa Tenggara	214,897.53	90,259.14	-	15,798.68	320,955.34	0.13
PT PLN Batam	1,469,512.26	1,103,315.14	-	8,323.76	2,581,151.16	1.05
Outside Java	39,301,765.31	12,653,376.66	1,583,915.80	360,078.42	53,899,136.20	21.86
Dist. of East Java	14,319,340.96	12,563,691.12	3,864,258.14	40,247.69	30,787,537.90	12.49
Dist. of Central Java & Yogyakarta	11,812,186.97	8,766,195.94	710,598.79	87,880.36	21,376,862.05	8.67
- Central Java	9,682,952.72	7,922,415.86	710,598.79	87,880.36	18,403,847.73	7.46
- D.I. Yogyakarta	2,129,234.24	843,780.08	-	-	2,973,014.32	1.21
Dist. of West Java	16,490,997.43	21,902,136.58	4,860,592.21	273,162.61	43,526,888.82	17.65
Dist. of Banten	5,303,371.50	10,582,208.49	4,867,800.06	500,355.53	21,253,735.59	8.62
Dist. of Jakarta Raya & Tangerang	18,345,226.59	14,156,403.77	747,655.64	295,673.34	33,544,959.34	13.60
Java	66,271,123.44	67,970,635.90	15,050,904.85	1,197,319.52	150,489,983.71	61.03
Prepaid Electricity	42,078,548.04	-	-	272,443.32	42,350,991.37	-
Central Unit	(68,959.14)	(68,318.56)	(14,757.53)	(1,220.28)	(153,255.50)	-
Indonesia	147,582,477.66	80,555,694.01	16,620,063.12	1,828,620.99	246,586,855.78	100
(%)	59.85	32.67	6.74	0.74	100	-

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

2017

Tariff Category	Customers	Connected (MVA)	Sold (MWh)	Revenue *) (thousand Rp)
S-1	6,270	0.20	1.77	3,371,682.62
S-2	1,458,812	3,485.04	4,626.87	3,568,220,652.60
S-3	1,734	1,412.44	2,468.49	2,259,470,259.94
R-1	61,319,336	52,281.58	84,529.22	85,186,948,887.52
R-2	1,003,177	4,134.42	6,240.46	9,153,352,060.29
R-3	214,651	2,841.17	3,685.93	5,403,504,336.11
B-1	2,883,754	4,917.87	6,668.05	6,496,481,545.90
B-2	566,533	11,380.40	16,200.51	23,782,213,034.04
B-3 **)	7,561	9,102.03	17,374.88	19,828,441,297.77
I-1	26,176	153.17	143.31	156,297,566.08
I-2	37,197	3,357.30	5,135.44	5,502,817,863.04
I-3	13,350	19,102.35	50,352.39	56,373,609,072.22
I-4	93	4,971.85	16,607.23	16,620,063,120.61
P-1	181,293	1,578.94	2,272.75	3,175,040,508.61
P-2	1,581	1,400.80	1,848.51	2,094,173,377.35
P-3	225,249	1,100.67	3,526.55	5,154,026,705.40
Traction T-1	61	290.87	235.64	175,425,451.58
Bulk C-1	26	25.27	93.75	254,479,112.31
Special Services	121,429	481.28	1,121.96	1,398,716,422.82
Total	68,068,283	122,017.63	223,133.72	246,586,855,782.79

*) Included Prepared Electricity and Auditor Correction

***) Included B4 Customers

Table 15 : Waiting List

2017

PLN Operational Unit/ Province	New Applicants		Connected		Discharging/ Cancelled		Waiting	
	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)
Region of Aceh	66,106	86,885.21	65,709	85,426.66	86	189.35	311	1,269.20
Region of North Sumatera	178,033	312,788.38	174,227	275,537.18	292	994.30	3,514	36,256.90
Region of West Sumatera	75,429	97,123.50	71,162	89,357.95	558	828.50	3,709	6,937.05
Region of Riau	163,433	318,609.85	145,140	194,970.20	1,581	2,565.65	16,712	121,074.00
- Riau	147,934	288,714.45	130,991	167,899.10	1,469	2,373.10	15,474	118,442.25
- Riau Archipelago	15,499	29,895.40	14,149	27,071.10	112	192.55	1,238	2,631.75
Region of South Sumatera, Jambi & Bengkulu	230,110	357,855.90	218,397	329,981.45	2,398	3,936.60	9,315	23,937.85
- South Sumatera	161,641	254,356	154,615	234,455	1,430	2,491	5,596	17,409.30
- Jambi	35,004	60,650.35	31,644	54,297.45	807	1,268.55	2,553	5,084.35
- Bengkulu	33,465	42,849.85	32,138	41,228.80	161	176.85	1,166	1,444.20
Region of Bangka Belitung	33,521	64,518.05	32,357	62,843.35	760	1,105.65	404	569.05
Distribution of Lampung	137,020	162,465.75	130,231	149,932.55	423	1,052.15	6,366	11,481.05
Region of West Kalimantan	66,290	92,565.45	57,166	74,060.80	79	286.60	9,045	18,218.05
Region of S & C Kalimantan	117,234	164,769.05	112,322	143,636.20	252	455.65	4,660	20,677.20
- South Kalimantan	66,312	93,106	62,946	80,790	166	312	3,200	12,003.60
- Central Kalimantan	50,922	71,663.55	49,376	62,846.65	86	143.30	1,460	8,673.60
Region of East Kalimantan & North	73,774	124,925.26	69,270	117,527.41	229	393.95	4,275	7,003.90
Region of N, C Sulawesi & Gorontalo	85,695	131,764.60	82,633	117,802.00	13	74.70	3,049	13,887.90
- North Sulawesi	30,319	55,347.20	29,046	47,083.75	3	30.50	1,270	8,232.95
- Gorontalo	12,820	21,346.95	12,205	18,490.20	1	23.00	614	2,833.75
- Central Sulawesi	42,556	55,070	41,382	52,228	9	21	1,165	2,821.20
Region of S, SE & W Sulawesi	242,713	327,969.15	237,004	318,850.25	483	755.35	5,226	8,363.55
- South Sulawesi	157,121	221,974.00	155,031	217,276.25	394	562.00	1,696	4,135.75
- Southeast Sulawesi	57,118	70,209.40	53,913	66,260.85	82	181.35	3,123	3,767.20
- West Sulawesi	28,474	35,785.75	28,060	35,313.15	7	12.00	407	460.60
Region of Maluku & North Maluku	37,260	51,431.46	36,593	46,054.71	8	7.20	659	5,369.55
- Maluku	14,371	22,688.86	14,170	19,298.06	8	7.20	193	3,383.60
- North Maluku	22,889	28,743	22,423	26,757	-	-	466	1,985.95
Region of Papua	48,501	82,657.85	47,204	76,316.30	21	70.70	1,276	6,270.85
- Papua	28,904	46,185	28,359	44,181	16	60	529	1,944.10
- West Papua	19,597	36,473.05	18,845	32,135.40	5	10.90	747	4,326.75
Distribution of Bali	75,853	163,652.05	73,144	152,900.45	2,298	6,684.00	411	4,067.60
Region of West Nusa Tenggara	102,796	120,805.30	99,345	113,957.10	640	1,790.00	2,811	5,058.20
Region of East Nusa Tenggara	52,864	70,210.59	51,349	66,280.03	89	256.55	1,426	3,674.02
PT PLN Batam	-	-	-	-	-	-	-	-
Outside Java	1,786,632	2,730,997.40	1,703,253	2,415,434.58	10,210	21,446.90	73,169	294,115.92
Dist. of East Java	500,373	741,115.05	463,771	644,034.55	8,483	14,404.35	28,119	82,676.15
Dist. of Central Java & Yogyakarta	484,022	728,745.15	460,480	621,170.45	5,945	8,272.45	17,597	99,302.25
- Central Java	425,696	645,908	406,312	545,785	5,353	7,261	14,031	92,861.95
- D.I. Yogyakarta	58,326	82,837.50	54,168	75,385.60	592	1,011.60	3,566	6,440.30
Dist. of West Java	729,548	959,589.32	689,886	863,955.77	1,765	4,006.35	37,897	91,627.20
Dist. of Banten	202,350	455,214.95	177,360	330,047.60	768	1,138.55	24,222	124,028.80
Dist. of Jakarta Raya & Tangerang	227,063	512,934.55	220,816	435,977.80	1,593	3,993.00	4,654	72,963.75
Java	2,143,356	3,397,599.02	2,012,313	2,895,186	18,554	31,815	112,489	470,598.15
Indonesia	3,929,988	6,128,596.42	3,715,566	5,310,620.75	28,764	53,261.60	185,658	764,714.07

Table 16 : SAIDI and SAIFI**2017**

PLN Operational Unit/ Province	SAIDI Hours/Customer	SAIFI Times/Customer
Region of Aceh	19.85	11.65
Region of North Sumatera	4.83	3.09
Region of West Sumatera	19.91	14.55
Region of Riau	17.80	12.53
- Riau	-	-
- Riau Archipelago	-	-
Region of South Sumatera, Jambi & Bengkulu	83.99	42.38
- South Sumatera	-	-
- Jambi	-	-
- Bengkulu	-	-
Region of Bangka Belitung	7.07	5.69
Distribution of Lampung	46.97	27.34
Region of West Kalimantan	20.12	24.39
Region of S & C Kalimantan	50.29	30.4
- South Kalimantan	-	-
- Central Kalimantan	-	-
Region of East Kalimantan & North	37.64	28.4
Region of N, C Sulawesi & Gorontalo	9.76	8.98
- North Sulawesi	-	-
- Gorontalo	-	-
- Central Sulawesi	-	-
Region of S, SE & W Sulawesi	52.36	36.03
- South Sulawesi	-	-
- Southeast Sulawesi	-	-
- West Sulawesi	-	-
Region of Maluku & North Maluku	7.76	10.62
- Maluku	-	-
- North Maluku	-	-
Region of Papua	62.41	48.9
Distribution of Bali	7.22	7.21
Region of West Nusa Tenggara	19.87	18.58
Region of East Nusa Tenggara	17.48	14.76
PT PLN Batam	0.29	0.56
Outside Java	31.99	20.51
Dist. of East Java	9.19	5.3
Dist. of Central Java & Yogyakarta	27.25	17.76
- Central Java	-	-
- D.I. Yogyakarta	-	-
Dist. of West Java	3.40	3.24
Dist. of Banten	10.68	8.38
Dist. of Jakarta Raya & Tangerang	3.68	2.96
Java	11.53	7.81
Indonesia	19.33	12.65

Table 17 : SOD and SOF

2017

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)
Region of Aceh	-	-	-	-	-
Region of North Sumatera	-	-	-	-	-
Region of West Sumatera	-	-	-	-	-
Region of Riau	-	-	179.08	-	-
- Riau	-	-	-	-	-
- Riau Archipelago	-	-	179.08	-	-
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-
- South Sumatera	-	-	-	-	-
- Jambi	-	-	-	-	-
- Bengkulu	-	-	-	-	-
Region of Bangka Belitung	5.89	18.00	374.93	1.57	4.80
Distribution of Lampung	-	-	-	-	-
Region of West Kalimantan	1.00	4.00	1,114.11	0.09	0.36
Region of S & C Kalimantan	179.67	81.00	2,749.84	6.53	2.95
- South Kalimantan	56.37	38.00	1,590.98	3.54	2.39
- Central Kalimantan	123.30	43.00	1,158.86	10.64	3.71
Region of East Kalimantan & North	19.25	7.00	1,120.23	1.72	0.62
Region of N, C Sulawesi & Gorontalo	714.34	160.00	2,040.25	35.01	7.84
- North Sulawesi	584.12	123.00	1,139.67	51.25	10.79
- Gorontalo	90.22	19.00	326.70	27.62	5.82
- Central Sulawesi	40.00	18.00	573.88	6.97	3.14
Region of S, SE & W Sulawesi	111.42	29.00	3,054.77	3.65	0.95
- South Sulawesi	53.13	25.00	2,611.33	2.03	0.96
- Southeast Sulawesi	58.28	4.00	25.40	229.45	15.75
- West Sulawesi	-	-	418.04	-	-
Region of Maluku & North Maluku	-	-	50.58	-	-
- Maluku	-	-	50.58	-	-
- North Maluku	-	-	-	-	-
Region of Papua	708.00	3.00	239.64	295.44	1.25
- Papua	-	-	239.64	-	-
- West Papua	-	-	-	-	-
Distribution of Bali	-	-	-	-	-
Region of West Nusa Tenggara	0.27	1.00	368.87	0.07	0.27
Region of East Nusa Tenggara	5.41	7.00	624.87	0.87	1.12
PT PLN Batam	-	-	169.47	-	-
Generation of Northern Part of Sumatera	-	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-	-
Sumatera Trans. and Control Center	346.45	120.00	14,024.64	2.47	0.86
Outside Java	2,091.70	430.00	26,111.28	8.01	1.65
Dist. of East Java	-	-	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-
- Central Java	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-
Dist. of West Java	-	-	-	-	-
Dist. of Banten	-	-	-	-	-
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-
PT Java Bali Genco	-	-	-	-	-
Transmission of Western Part of Java	58.53	23	3,224.43	1.82	0.71
Transmission of Central Part of Java	150.55	47	11,697.94	1.29	0.40
Transmission of Eastern Part of Java & Bali	103.67	47	7,867.36	1.32	0.60
J a v a	58.53	23.00	22,789.73	0.26	0.10
I n d o n e s i a	2,150.23	453.00	48,901.01	4.40	0.93

SOD= System Outage Duration

SOF= System Outage Frequency

Table 18 : Number of Distribution Interruption per 100 kmc**2017**

PLN Operational Unit/ Province	Number of Interruption (Times)	Medium Voltage Lines Length (kmc)	Number of Interruption (Times/100 kmc)
Region of Aceh	1,985	17,283.52	11.48
Region of North Sumatera	5,339	26,182.02	20.39
Region of West Sumatera	4,512	11,032.40	40.90
Region of Riau	2,251	11,713.34	19.22
- Riau	1,933	9,483.37	20.38
- Riau Archipelago	318	2,229.97	14.26
Region of South Sumatera, Jambi & Bengkulu	9,852	23,684.88	41.60
- South Sumatera	6,383	11,914.15	53.57
- Jambi	2,361	7,209.83	32.75
- Bengkulu	1,108	4,560.90	24.29
Region of Bangka Belitung	790	4,386.28	18.01
Distribution of Lampung	3,350	12,683.42	26.41
Region of West Kalimantan	340	11,228.34	3.03
Region of S & C Kalimantan	3,397	14,443.63	23.52
- South Kalimantan	2,368	8,606.93	27.51
- Central Kalimantan	1,029	5,836.70	17.63
Region of East Kalimantan & North	954	7,443.97	12.82
Region of N, C Sulawesi & Gorontalo	1,797	14,325.00	12.54
- North Sulawesi	1,028	5,297.00	19.41
- Gorontalo	233	2,146.00	10.86
- Central Sulawesi	536	6,882.00	7.79
Region of S, SE & W Sulawesi	13,127	21,746.80	60.36
- South Sulawesi	8,380	14,325.08	58.50
- Southeast Sulawesi	3,900	5,029.59	77.54
- West Sulawesi	847	2,392.13	35.41
Region of Maluku & North Maluku	946	6,823.31	13.86
- Maluku	751	3,938.34	19.07
- North Maluku	195	2,884.97	6.76
Region of Papua	3,580	5,345.66	66.97
- Papua	1,995	3,240.70	61.56
- West Papua	1,585	2,104.96	75.30
Distribution of Bali	702	7,566.11	9.28
Region of West Nusa Tenggara	1,828	5,500.56	33.23
Region of East Nusa Tenggara	853	7,364.67	11.58
PT PLN Batam	166.00	1,567.27	10.59
Generation of Northern Part of Sumatera	-	-	-
Generation of Southern Part of Sumatera	-	-	-
Sumatera Trans. and Control Center	-	-	-
Outside Java	55,769	210,321.18	26.52
Dist. of East Java	38,439	37,276.50	103.12
Dist. of Central Java & Yogyakarta	4,638	51,449.45	9.01
- Central Java	3,972	45,836.39	8.67
- D.I. Yogyakarta	666	5,613.06	11.87
Dist. of West Java	4,041	44,262.11	9.13
Dist. of Banten	1,278	15,086.35	8.47
Dist. of Jakarta Raya & Tangerang	1,977	43,563.82	4.54
PT Indonesia Power	-	-	-
PT Java Bali Genco	-	-	-
Distribution and Load Control Center (P2B)	-	-	-
J a v a	50,373	191,638.23	26.29
I n d o n e s i a	106,142	401,959.41	26.41

Table 19 : Electrification Ratio and Energy Consumption per Capita**2017**

PLN Operational Unit/ Province	Population (x1,000)	Residential (x1,000)	Residential Customers	Electrification *) (%)	kWh Sold/Capita
Region of Aceh	5,189.5	1,235.6	1,200,091	97.13	464.2
Region of North Sumatera	14,262.1	3,316.8	3,251,410	98.03	680.6
Region of West Sumatera	5,321.5	1,267.0	1,196,879	94.46	641.8
Region of Riau	8,740.6	1,800.0	1,537,675	85.42	552.1
- Riau	6,657.9	1,585.2	1,329,838	83.89	611.3
- Riau Archipelago	2,082.7	214.8	207,837	96.75	362.9
Region South Sumatera, Jambi & Bengkulu	13,716.3	3,378.7	2,876,213	85.13	526.7
- South Sumatera	8,267.0	2,016.3	1,987,919	98.59	628.5
- Jambi	3,515.0	878.8	428,587	48.77	334.6
- Bengkulu	1,934.3	483.6	459,707	95.06	440.9
Region of Bangka Belitung	1,430.9	366.9	390,145	106.34	684.3
Distribution of Lampung	8,289.6	2,125.5	1,855,569	87.30	482.3
Region of West Kalimantan	4,932.5	1,147.1	943,007	82.21	456.6
Region of S & C Kalimantan	6,725.1	1,781.5	1,496,090	83.98	524.4
- South Kalimantan	4,119.8	1,113.5	1,017,787	91.41	580.6
- Central Kalimantan	2,605.3	668.0	478,303	71.60	435.6
Region of East Kalimantan & North	4,266.5	1,052.2	946,988	90.00	801.2
Region of N, C Sulawesi & Gorontalo	6,595.5	1,609.0	1,377,243	85.60	466.0
- North Sulawesi	2,461.0	631.0	587,830	93.15	627.7
- Gorontalo	1,168.2	271.7	233,441	85.93	393.9
- Central Sulawesi	2,966.3	706.3	555,972	78.72	360.3
Region of S, SE & W Sulawesi	12,623.7	2,862.3	2,536,428	88.61	501.9
- South Sulawesi	8,690.3	1,975.1	1,886,929	95.54	595.2
- Southeast Sulawesi	2,602.4	591.5	441,133	74.58	326.9
- West Sulawesi	1,331.0	295.8	208,366	70.45	235.1
Region of Maluku & North Maluku	2,954.0	615.4	491,343	79.84	309.4
- Maluku	1,744.7	363.5	289,402	79.62	265.4
- North Maluku	1,209.3	251.9	201,941	80.16	196.1
Region of Papua	4,180.6	962.8	508,140	52.78	333.1
- Papua	3,265.2	759.3	303,105	39.92	263.1
- West Papua	915.4	203.4	205,035	100.79	582.8
Distribution of Bali	4,246.5	1,117.5	1,081,694	96.80	1,193.8
Region of West Nusa Tenggara	4,955.6	1,376.6	1,136,114	82.53	338.5
Region of East Nusa Tenggara	5,287.3	1,149.4	615,132	53.52	161.8
PT PLN Batam	-	333.3	203,687	-	-
Outside Java	113,717.8	27,497.5	23,643,848	85.99	555.3
Dist. of East Java	39,293.0	10,914.7	9,994,368	91.57	868.2
Dist. of Central Java & Yogyakarta	38,020.1	10,399.0	9,948,614	95.67	660.9
- Central Java	34,257.9	9,258.9	8,910,045	96.23	614.7
- D.I. Yogyakarta	3,762.2	1,140.1	1,038,569	91.10	724.2
Dist. of West Java	48,037.6	12,641.5	12,388,399	98.00	987.3
Dist. of Banten	12,448.2	3,045.9	2,711,966	89.04	1,741.7
Dist. of Jakarta Raya & Tangerang	10,374.2	2,730.1	3,856,239	141.25	3,050.2
Java	148,173.1	39,731.1	38,899,586	97.91	1,079.8
Indonesia	261,890.9	67,228.6	62,543,434	93.03	852.0

*) Excluded non PLN Customer

Table 20 : Number of Generating Units *)

2017

PLN Operational Unit/ Province	Hydro	Steam	Gas Turbine	Com- bined Cycle	Geo- ther- mal	Diesel**)	Solar	Wind	Total	Rental	IPP	Total
Region of Aceh	4	-	-	-	-	209	-	-	213	6	11	230
Region of North Sumatera	-	-	-	-	-	41	-	-	41	18	5	64
Region of West Sumatera	3	-	-	-	-	95	2	-	100	7	2	109
Region of Riau	-	2	-	-	-	496	1	-	499	16	56	571
- Riau	-	-	-	-	-	259	-	-	259	13	44	316
- Riau Archipelago	-	2	-	-	-	237	1	-	240	3	12	255
Region of South Sumatera, Jambi & Bengkulu	2	-	-	-	-	165	-	-	167	23	5	195
- South Sumatera	-	-	-	-	-	48	-	-	48	12	-	60
- Jambi	-	-	-	-	-	57	-	-	57	7	1	65
- Bengkulu	2	-	-	-	-	60	-	-	62	4	4	70
Region of Bangka Belitung	-	4	-	-	-	92	4	-	100	6	18	124
Distribution of Lampung	-	-	-	-	-	35	-	-	35	4	-	39
Region of West Kalimantan	6	4	1	-	-	264	3	-	278	8	34	320
Region of S & C Kalimantan	3	6	1	-	-	494	-	-	504	12	43	559
- South Kalimantan	3	6	1	-	-	167	-	-	177	6	20	203
- Central Kalimantan	-	-	-	-	-	327	-	-	327	6	23	356
Region of East Kalimantan & North	-	2	11	3	-	323	2	-	341	21	93	455
Region of N, C Sulawesi & Gorontalo	23	2	4	-	4	470	7	2	512	18	26	556
- North Sulawesi	12	2	4	-	4	164	6	1	193	4	8	205
- Gorontalo	2	-	-	-	-	21	1	1	25	4	1	30
- Central Sulawesi	9	-	-	-	-	285	-	-	294	10	17	321
Region of S, SE & W Sulawesi	20	4	21	-	-	302	4	-	351	17	28	396
- South Sulawesi	15	2	5	-	-	80	2	-	104	15	11	130
- Southeast Sulawesi	5	2	16	-	-	211	2	-	236	2	15	253
- West Sulawesi	-	-	-	-	-	11	-	-	11	-	2	13
Region of Maluku & North Maluku	-	2	-	-	-	683	13	-	698	1	56	755
- Maluku	-	2	-	-	-	317	9	-	328	1	28	357
- North Maluku	-	-	-	-	-	366	4	-	370	-	28	398
Region of Papua	16	2	3	-	-	368	7	-	396	13	45	454
- Papua	10	-	-	-	-	147	3	-	160	-	16	176
- West Papua	6	2	3	-	-	221	4	-	236	13	29	278
Distribution of Bali	-	-	-	-	-	8	-	3	11	6	-	17
Region of West Nusa Tenggara	4	2	-	-	-	149	5	-	160	7	25	192
Region of East Nusa Tenggara	14	2	-	-	2	413	9	1	441	10	38	489
PT PLN Batam	-	-	1	3	-	29	-	-	33	15	-	48
Generation of Northern Part of Sumatera	20	12	10	6	-	55	-	-	103	-	14	117
Generation of Southern Part of Sumatera	25	12	14	4	2	27	-	-	84	-	16	100
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-	-	18	-	18
Outside Java	140	56	66	16	8	4,718	57	6	5,067	226	515	5,808
Dist. of East Java	4	-	-	-	-	49	-	-	53	3	10	66
Dist. of Central Java & Yogyakarta	4	-	-	-	-	-	-	-	4	14	-	18
- Central Java	3	-	-	-	-	-	-	-	3	13	-	16
- D.I. Yogyakarta	1	-	-	-	-	-	-	-	1	1	-	2
Dist. of West Java	-	-	-	-	-	-	-	-	-	29	-	29
Dist. of Banten	-	-	-	-	-	3	-	-	3	3	-	6
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	59	14	18	20	7	25	-	-	143	-	3	146
PT Java Bali Genco	33	8	13	20	-	-	-	-	74	-	-	74
PJB Sulawesi	-	-	-	-	-	6	-	-	6	-	-	6
Distribution and Load Control Center (P2B) Java & Bali	-	-	-	-	-	-	-	-	-	29	-	29
Generation of Tanjung Jati B	-	4	-	-	-	-	-	-	4	-	-	4
Generation of Western Part of Java	-	6	-	11	-	-	-	-	17	-	-	17
Generation of Central Part of Java	-	9	-	2	-	-	-	-	11	-	-	11
Generation of Eastern Part of Java & Bali	-	5	-	-	-	-	-	-	5	-	-	5
Java	100	46	31	53	7	83	-	-	320	78	13	411
Power Plant Development Unit (UIP) South of Sulawesi	-	2	-	-	-	-	-	-	2	-	-	2
Generation Projects	-	2	-	-	-	-	-	-	2	-	-	2
Indonesia	240	104	97	69	15	4,801	57	6	5,389	304	528	6,221

*) Generation own by PLN, Rental and IPP

**) Total Diesel Including Diesel Gas

Table 21 : National Installed Capacity (MW)

2017

PLN Operational Unit/ Province	Hydro	Steam	Gas Turbined	Combined Cycle	Geo-thermal	Diesel*)	Solar	Wind	Total	(%)	Rental	IPP	Total
Region of Aceh	2.42	-	-	-	-	140.65	-	-	143.07	47.00	47.00	24.95	215.02
Region of North Sumatera	-	-	-	-	-	20.48	-	-	20.48	49.00	49.00	108.40	177.88
Region of West Sumatera	0.66	-	-	-	-	33.36	0.19	-	34.21	16.80	16.80	23.13	74.14
Region of Riau	-	14.00	-	-	-	252.75	0.20	-	266.95	203.35	203.35	58.40	528.70
- Riau	-	-	-	-	-	101.61	-	-	101.61	160.85	160.85	57.40	319.86
- Riau Archipelago	-	14.00	-	-	-	151.15	0.20	-	165.35	42.50	42.50	1.00	208.85
Region of South Sumatera, Jambi & Bengkulu	1.60	-	-	-	-	61.92	-	-	63.52	23.00	23.00	214.95	301.47
- South Sumatera	-	-	-	-	-	9.45	-	-	9.45	-	-	131.65	141.10
- Jambi	-	-	-	-	-	21.71	-	-	21.71	8.00	8.00	62.30	92.01
- Bengkulu	1.60	-	-	-	-	30.76	-	-	32.36	15.00	15.00	21.00	68.36
Region of Bangka Belitung	-	93.00	-	-	-	112.87	0.33	-	206.20	46.00	46.00	86.00	338.20
Distribution of Lampung	-	-	-	-	-	4.38	-	-	4.38	-	-	34.00	38.38
Region of West Kalimantan	2.02	34.00	34.00	-	-	236.79	0.18	-	306.99	185.80	185.80	200.74	693.53
Region of S & C Kalimantan	30.00	380.00	21.00	-	-	406.23	-	-	837.23	103.05	103.05	98.60	1,038.88
- South Kalimantan	30.00	380.00	21.00	-	-	302.24	-	-	733.24	52.50	52.50	73.20	858.94
- Central Kalimantan	-	-	-	-	-	103.99	-	-	103.99	50.55	50.55	25.40	179.94
Region of East Kalimantan & North	-	220.00	180.11	60.00	-	242.02	0.43	-	702.56	185.63	185.63	521.56	1,409.75
Region of N, C Sulawesi & Gorontalo	66.53	50.00	100.00	-	80.00	277.15	1.02	0.58	575.28	125.00	125.00	468.75	1,169.03
- North Sulawesi	56.38	50.00	100.00	-	80.00	113.84	0.97	0.08	401.27	57.00	57.00	163.00	621.27
- Gorontalo	1.20	-	-	-	-	27.09	0.04	0.50	28.83	2.00	2.00	28.00	58.83
- Central Sulawesi	8.95	-	-	-	-	136.22	-	-	145.17	66.00	66.00	277.75	488.92
Region of S, SE & W Sulawesi	159.30	134.00	192.33	-	-	250.31	0.88	-	736.82	164.00	164.00	846.00	1,746.82
- South Sulawesi	155.20	110.00	122.72	-	-	114.49	0.60	-	503.01	90.00	90.00	827.00	1,420.01
- Southeast Sulawesi	4.10	24.00	69.61	-	-	132.60	0.28	-	230.59	66.00	66.00	19.00	315.59
- West Sulawesi	-	-	-	-	-	3.22	-	-	3.22	8.00	8.00	-	11.22
Region of Maluku & North Maluku	-	14.00	-	-	-	257.35	1.90	-	273.25	113.90	113.90	60.00	447.15
- Maluku	-	14.00	-	-	-	166.83	1.60	-	182.43	81.25	81.25	60.00	323.68
- North Maluku	-	-	-	-	-	90.53	0.30	-	90.83	32.65	32.65	-	123.48
Region of Papua	29.59	24.00	23.40	-	-	249.16	0.97	-	327.12	135.00	135.00	53.10	515.22
- Papua	4.46	-	-	-	-	46.15	0.53	-	51.14	30.20	30.20	-	81.34
- West Papua	25.13	24.00	23.40	-	-	203.01	0.44	-	275.98	104.80	104.80	53.10	433.88
Distribution of Bali	-	-	-	-	-	2.96	-	0.30	3.26	-	-	7.39	10.65
Region of West Nusa Tenggara	2.02	60.00	-	-	-	143.04	0.83	-	205.89	201.00	201.00	62.70	469.60
Region of East Nusa Tenggara	5.18	23.50	-	-	15.89	106.56	1.05	-	152.18	137.81	137.81	37.03	327.02
PT PLN Batam	-	-	8.30	88.43	-	141.96	-	-	238.69	-	-	394.60	633.29
Generation of Northern Part of Sumatera	253.50	1,370.00	305.66	817.88	-	416.94	-	-	3,163.98	619.50	619.50	-	3,783.48
Generation of Southern Part of Sumatera	608.42	1,084.00	285.70	160.00	110.00	216.08	-	-	2,464.20	564.33	564.33	-	3,028.53
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-	-	-	-	2,262.00	2,262.00
Outside Java	1,161.24	3,500.50	1,150.50	1,126.31	205.89	3,572.96	7.98	0.88	10,726.26	27.05	2,920.17	5,562.30	19,208.73
Dist. of East Java	18.35	-	-	-	-	15.93	-	-	34.28	0.09	10.45	5.03	49.76
Dist. of Central Java & Yogyakarta	1.16	-	-	-	-	-	-	-	1.16	-	-	14.92	16.08
- Central Java	0.97	-	-	-	-	-	-	-	0.97	-	-	14.32	15.29
- D.I. Yogyakarta	0.18	-	-	-	-	-	-	-	0.18	-	-	0.60	0.78
Dist. of West Java	-	-	-	-	-	-	-	-	-	-	-	84.08	84.08
Dist. of Banten	-	-	-	-	-	0.50	-	-	0.50	-	-	14.00	14.50
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	1,119.52	3,700.00	734.13	2,675.73	345.00	222.59	-	-	8,796.97	-	73.62	-	8,870.59
PT Java Bali Genco	1,282.88	1,800.00	1,191.20	2,747.36	-	-	-	-	7,021.44	17.71	-	-	7,021.44
PJB Sulawesi	-	-	-	-	-	68.04	-	-	68.04	0.17	-	-	68.04
Distribution and Load Control Center (P2B)	-	-	-	-	-	-	-	-	-	-	-	7,589.60	7,589.60
Generation of Tanjung Jati B	-	2,840.00	-	-	-	-	-	-	2,840.00	7.16	-	-	2,840.00
Generation of Western Part of Java	-	2,170.00	-	2,231.14	-	-	-	-	4,401.14	11.10	-	-	4,401.14
Generation of Central Part of Java	-	3,330.00	-	242.00	-	-	-	-	3,572.00	9.01	-	-	3,572.00
Generation of Eastern Part of Java & Bali	-	1,990.00	-	-	-	-	-	-	1,990.00	5.02	-	-	1,990.00
Java	2,421.91	15,830.00	1,925.33	7,896.23	345.00	307.06	-	-	28,725.53	72.44	84.07	7,707.63	36,517.23
Power Plant Development Unit (UIP) South of Sulawesi	-	200.00	-	-	-	-	-	-	200.00	0.50	-	-	200.00
Generation Projects	-	200.00	-	-	-	-	-	-	200.00	0.50	-	-	200.00
Indonesia	3,583.15	19,530.50	3,075.83	9,022.54	550.89	3,880.02	7.98	0.88	39,651.79	100.00	3,004.24	13,269.93	55,925.96
%	9.04	49.26	7.76	22.75	1.39	9.79	0.02	-	100.00	-	-	-	-

*) Total Diesel Including Diesel Gas

Table 22 : Rated Capacity (MW)

PLN Operational Unit/ Province	Hydro	Steam	Gas Turbine	Combined Cycle	Geo- thermal	Diesel*)	Solar	Wind	Total	(%)	Rental	Purchased	Total
Region of Aceh	2.03	-	-	-	-	94.10	-	-	96.13	0.28	47	20.95	164.08
Region of North Sumatera	-	-	-	-	-	11.23	-	-	11.23	0.03	49	108.4	168.63
Region of West Sumatera	0.35	-	-	-	-	18.49	0.19	-	19.03	0.06	16.8	22.8	58.63
Region of Riau	-	12.60	-	-	-	159.33	0.10	-	172.03	0.51	205.97	65.2	443.20
- Riau	-	-	-	-	-	60.04	-	-	60.04	0.18	158.47	64.2	282.71
- Riau Archipelago	-	12.60	-	-	-	99.29	0.10	-	111.99	0.33	47.5	1	160.49
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-	22.06	-	-	22.06	0.07	23	214.95	260.01
- South Sumatera	-	-	-	-	-	-	-	-	-	-	-	131.65	131.65
- Jambi	-	-	-	-	-	9.69	-	-	9.69	0.03	8	62.30	79.99
- Bengkulu	-	-	-	-	-	12.38	-	-	12.38	0.04	15	21.00	48.38
Region of Bangka Belitung	-	83.70	-	-	-	62.49	0.24	-	146.43	0.43	44	87.00	277.43
Distribution of Lampung	-	-	-	-	-	0.83	-	-	0.83	-	-	34.00	34.83
Region of West Kalimantan	1.64	34.00	28.90	-	-	157.13	0.15	-	221.82	0.65	195.68	200.62	618.12
Region of S & C Kalimantan	28.50	297.00	16.50	-	-	265.98	-	-	607.98	1.79	103.05	68.60	779.63
- South Kalimantan	28.50	297.00	16.50	-	-	207.47	-	-	549.47	1.62	52.5	43.20	645.17
- Central Kalimantan	-	-	-	-	-	58.51	-	-	58.51	0.17	50.55	25.40	134.46
Region of East Kalimantan & North	-	190	145.30	58.00	-	136.63	0.23	-	530.16	1.56	163.75	322.60	1,016.51
Region of N, C Sulawesi & Gorontalo	59.67	40.00	100.00	-	73.00	136.68	0.51	-	409.86	1.21	125	468.75	1,003.61
- North Sulawesi	52.80	40.00	100.00	-	73.00	54.40	0.49	-	320.69	0.95	57	163.00	540.69
- Gorontalo	1.00	-	-	-	-	15.13	0.02	-	16.15	0.05	2	28.00	46.15
- Central Sulawesi	5.87	-	-	-	-	67.16	-	-	73.03	0.22	66	277.75	416.78
Region of S, SE & W Sulawesi	152.89	120.00	138.41	-	-	179.55	0.20	-	591.05	1.74	164.00	843.50	1,598.55
- South Sulawesi	150.94	100.00	70.00	-	-	89.70	0.20	-	410.84	1.21	90.00	824.50	1,325.34
- Southeast Sulawesi	1.95	20.00	68	-	-	88.17	-	-	178.53	0.53	66.00	19.00	263.53
- West Sulawesi	-	-	-	-	-	1.68	-	-	1.68	-	8.00	-	9.68
Region of Maluku & North Maluku	-	14.00	-	-	-	117.33	1.76	-	133.09	0.39	96.75	60	289.84
- Maluku	-	14.00	-	-	-	66.67	1.06	-	81.73	0.24	74.45	60	216.18
- North Maluku	-	-	-	-	-	50.65	0.70	-	51.35	0.15	22.3	-	73.65
Region of Papua	27.86	20	23	-	-	160.92	0.84	-	233.02	0.69	140.99	50.34	424.35
- Papua	3.83	-	-	-	-	26.33	-	-	30.60	0.09	31.21	-	61.81
- West Papua	24.03	20	23	-	-	134.59	0.40	-	202.42	0.60	109.78	50.34	362.54
Distribution of Bali	-	-	-	-	-	1.58	-	-	1.58	-	-	3.46	5.04
Region of West Nusa Tenggara	1.9	50.00	-	-	-	98.06	0.71	-	150.67	0.44	201.00	61.00	412.67
Region of East Nusa Tenggara	3.46	20.20	-	-	5.45	62.90	0.73	-	92.74	0.27	135.89	4.62	233.25
PT PLN Batam	-	-	8.10	88	-	71.44	-	-	167.89	0.49	-	394.60	562.49
Generation of Northern Part of Sumatera	243.61	914.00	172.71	501.00	-	329.53	-	-	2,160.85	6.37	541.60	-	2,702.45
Generation of Southern Part of Sumatera	602.15	732.3	205.53	149.50	103.84	135.21	-	-	1,928.53	5.68	564.33	-	2,492.86
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-	-	-	-	2,172.00	2,172.00
Outside Java	1,124.06	2,527.80	838.85	796.85	182.29	2,221.47	5.66	-	7,696.98	22.68	2,817.81	5,203.39	15,718.18
Dist. of East Java	16.30	-	-	-	-	7.75	-	-	24.05	0.07	9.75	5.03	38.83
Dist. of Central Java & Yogyakarta	0.39	-	-	-	-	-	-	-	0.39	-	-	9.34	9.73
- Central Java	0.39	-	-	-	-	-	-	-	0.39	-	-	9.34	9.73
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-	-	-	-	-	51.68	51.68
Dist. of Banten	-	-	-	-	-	0.27	-	-	0.27	-	-	14.00	14.27
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	1,113.56	3,369.60	622.04	2,178.72	326.6	197.04	-	-	7,807.56	23.01	66.00	-	7,873.56
PT Java Bali Genco	1,216.58	1,564.00	1,148.00	2,449.00	-	-	-	-	6,377.58	18.80	-	-	6,377.58
PJB Sulawesi	-	-	-	-	-	62.20	-	-	62.20	0.18	-	-	62.20
Distribution and Load Control Center (P2B) Java & Bali	-	-	-	-	-	-	-	-	-	-	-	7,502.56	7,502.56
Generation of Tanjung Jati B	-	2,643.80	-	-	-	-	-	-	2,643.80	7.79	-	-	2,643.80
Generation of Western Part of Java	-	1,990.00	-	2,060.00	-	-	-	-	4,050.00	11.94	-	-	4,050.00
Generation of Central Part of Java	-	3,014.00	-	214.00	-	-	-	-	3,228.00	9.51	-	-	3,228.00
Generation of Eastern Part of Java & Bali	-	1,821.00	-	-	-	-	-	-	1,821.00	5.37	-	-	1,821.00
Java	2,346.83	14,402.40	1,770.04	6,901.72	326.60	267.26	-	-	26,014.85	76.67	75.75	7,582.61	33,673.21
Power Plant Development Unit (UIP) South of Sulawesi	-	220.00	-	-	-	-	-	-	220.00	0.65	-	-	220.00
Generation Projects	-	220.00	-	-	-	-	-	-	220.00	0.65	-	-	220.00
Indonesia	3,470.89	17,150.20	2,608.89	7,698.57	508.89	2,488.73	5.66	-	33,931.83	100.00	2,893.56	12,786.00	49,611.39
%	10.23	50.54	7.69	22.69	1.50	7.33	0.02	-	100.00	-	-	-	-

*) Total Diesel Including Diesel Gas

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

PLN Operational Unit/ Province	Own Generated								
	Hydro	Steam	Gas Turbine	Combined Cycle	Geother- mal	Diesel	Diesel Gas	Solar	Wind
Region of Aceh	8.36	-	-	-	-	134.09	-	-	-
Region of North Sumatera	-	-	-	-	-	5.76	-	-	-
Region of West Sumatera	0.60	-	-	-	-	25.51	-	-	-
Region of Riau	-	50.26	-	-	-	175.38	-	0.11	-
- Riau	-	-	-	-	-	55.77	-	-	-
- Riau Archipelago	-	50.26	-	-	-	119.61	-	0.11	-
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-	7.08	-	-	-
- South Sumatera	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	1.03	-	-	-
- Bengkulu	0.01	-	-	-	-	6.05	-	-	-
Region of Bangka Belitung	-	287.11	-	-	-	149.84	-	0.04	-
Distribution of Lampung	-	-	-	-	-	0.18	-	-	-
Region of West Kalimantan	1.88	158.96	5.90	-	-	242.06	-	0.02	-
Region of S & C Kalimantan	149.45	2,115.55	5.54	-	-	750.17	-	-	-
- South Kalimantan	149.45	2,115.55	5.54	-	-	685.58	-	-	-
- Central Kalimantan	-	-	-	-	-	64.59	-	-	-
Region of East Kalimantan & North	-	391.40	114.15	27.49	-	277.29	-	0.06	-
Region of N, C Sulawesi & Gorontalo	282.53	229.91	89.62	-	479.51	166.69	-	0.24	-
- North Sulawesi	262.84	229.91	89.62	-	479.51	69.32	-	0.21	-
- Gorontalo	2.52	-	-	-	-	23.10	-	0.03	-
- Central Sulawesi	17.18	-	-	-	-	74.28	-	-	-
Region of S, SE & W Sulawesi	1,052.76	574.94	67.60	-	-	248.99	-	0.45	-
- South Sulawesi	1,047.67	423.51	13.84	-	-	69.95	-	0.43	-
- Southeast Sulawesi	5.09	151.43	53.75	-	-	178.00	-	0.02	-
- West Sulawesi	-	-	-	-	-	1.04	-	-	-
Region of Maluku & North Maluku	-	74.82	-	-	-	261.41	-	1.10	-
- Maluku	-	74.82	-	-	-	159.81	-	0.60	-
- North Maluku	-	-	-	-	-	101.60	-	0.51	-
Region of Papua	84.12	26.78	-	-	-	268.48	-	0.40	-
- Papua	60.83	17.29	-	-	-	104.19	-	0.28	-
- West Papua	21.52	9.49	-	-	-	163.30	-	0.11	-
Distribution of Bali	-	-	-	-	-	0.04	-	-	-
Region of West Nusa Tenggara	8.54	159.86	-	-	-	334.03	-	1.07	-
Region of East Nusa Tenggara	14.13	123.31	-	-	42.45	74.96	-	0.91	-
PT PLN Batam	-	-	151.28	69.97	-	75.89	-	-	-
Generation of Northern Part of Sumatera	1,083.58	3,612.36	346.61	3,889.39	-	1,400.86	-	-	-
Generation of Southern Part of Sumatera	2,434.62	3,483.99	368.65	792.78	792.76	210.77	-	-	-
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-	-
Outside Java	5,120.57	11,289.25	1,149.35	4,779.63	1,314.72	4,809.48	-	4.43	-
Dist. of East Java	53.04	-	-	-	-	4.28	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-	-	-
Dist. of Banten	-	-	-	-	-	0.57	-	-	-
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-	-	-
PT Indonesia Power	4,337.04	23,894.44	268.31	9,953.22	2,781.27	930.32	-	-	-
PT Java Bali Genco *)	2,914.51	9,809.39	474.26	11,218.93	-	89.11	-	1.10	-
Distributin and Load Control Center (P2B)	-	-	-	-	-	-	-	-	-
Generation of Tanjung Jati B	-	19,352.86	-	-	-	-	-	-	-
Generation Unit of Java Bali	-	-	-	-	-	-	-	-	-
Generation of Western Part of Java	-	12,466.92	-	11,620.83	-	-	-	-	-
Generation of Central Part of Java	-	17,563.24	-	501.49	-	-	-	-	-
Generation of Eastern Part of Java & Bali	-	11,275.29	-	-	-	-	-	-	-
Java	7,304.59	94,362.14	742.57	33,294.47	2,781.27	1,024.28	-	1.10	-
Power Plant Development Unit (UIP) of East of Kalimantan	-	-	-	-	-	-	-	-	-
Power Plant Development Unit (UIP) of Central of Kalimantan	-	-	-	-	-	-	-	-	-
Power Plant Development Unit (UIP) of South of Sulawesi	-	-	-	-	-	-	-	-	-
Generation Projects	-	-	-	-	-	-	-	-	-
Indonesia	12,425.17	105,651.39	1,891.92	38,074.10	4,095.99	5,833.76	-	5.53	-
%	4.88	41.49	0.74	14.95	1.61	2.29	-	-	-

*) Including production of diesel power plant in Sulawesi

Rented Genset						Sub Total	Purchased and Project	Total	(%)
Diesel	Gas Turbine	Combined Cycle	Steam	Hydro	Solar				
320.31	-	-	-	-	-	462.76	103.39	566.15	0.22
93.86	37.47	-	-	-	-	137.09	715.34	852.43	0.33
58.80	-	-	-	-	-	84.91	105.80	190.71	0.07
924.60	-	-	76.82	-	-	1,227.18	152.89	1,380.07	0.54
761.30	-	-	-	-	-	817.07	150.02	967.09	0.38
163.30	-	-	76.82	-	-	410.10	2.88	412.98	0.16
112.34	-	-	-	-	-	119.42	984.74	1,104.16	0.43
-	-	-	-	-	-	-	713.47	713.47	0.28
37.66	-	-	-	-	-	38.69	157.07	195.77	0.08
74.67	-	-	-	-	-	80.73	114.19	194.92	0.08
378.98	141.98	-	-	-	-	957.95	129.09	1,087.04	0.43
-	-	-	-	-	-	0.18	108.71	108.89	0.04
1,074.55	12.70	-	-	-	-	1,496.07	1,187.48	2,683.55	1.05
549.97	-	-	-	-	-	3,570.68	589.70	4,160.37	1.63
245.45	-	-	-	-	-	3,201.57	434.99	3,636.56	1.43
304.52	-	-	-	-	-	369.11	154.70	523.81	0.21
716.54	156.79	-	-	0.04	0.31	1,684.07	2,000.51	3,684.58	1.45
338.18	-	-	34.81	-	-	1,621.49	1,985.89	3,607.38	1.42
66.42	-	-	3.21	-	-	1,201.04	1,069.71	2,270.75	0.89
0.26	-	-	-	-	-	25.91	92.36	118.27	0.05
271.50	-	-	31.60	-	-	394.56	823.81	1,218.37	0.48
699.44	-	394.37	-	-	-	3,038.55	3,945.85	6,984.40	2.74
171.11	-	394.37	-	-	-	2,120.88	3,837.66	5,958.54	2.34
485.13	-	-	-	-	-	873.43	108.18	981.61	0.39
43.21	-	-	-	-	-	44.25	-	44.25	0.02
520.53	-	-	-	-	-	857.86	230.24	1,088.10	0.43
384.94	-	-	-	-	-	620.16	230.24	850.40	0.33
135.59	-	-	-	-	-	237.70	-	237.70	0.09
901.34	-	-	12.24	-	-	1,293.35	300.35	1,593.70	0.63
555.43	-	-	3.64	-	-	741.66	-	741.66	0.29
344.54	-	-	8.60	-	-	547.57	300.35	847.91	0.33
-	-	-	-	-	-	0.04	12.25	12.29	-
964.65	48.39	-	2.42	-	-	1,518.97	377.39	1,896.36	0.74
340.47	-	-	-	-	-	596.24	357.75	953.99	0.37
-	-	-	-	-	-	297.14	2,314.16	2,611.30	1.03
1,909.90	541.18	-	-	-	-	12,783.88	-	12,783.88	5.02
684.73	1,286.77	-	-	-	-	10,055.07	-	10,055.07	3.95
-	-	-	-	-	-	-	10,304.44	10,304.44	4.05
10,589.19	2,225.28	394.37	126.29	0.04	0.31	41,802.92	25,905.97	67,708.87	26.59
40.26	-	-	-	-	-	97.58	22.47	120.05	0.05
-	-	-	-	-	-	-	52.52	52.52	0.02
-	-	-	-	-	-	-	50.67	50.67	0.02
-	-	-	-	-	-	-	1.85	1.85	-
-	-	-	-	-	-	-	225.74	225.74	0.09
-	-	-	-	-	-	0.57	42.35	42.92	0.02
-	-	-	-	-	-	-	-	-	-
71.46	-	-	-	-	-	42,236.06	-	42,236.06	16.59
-	-	-	-	-	-	24,507.30	-	24,507.30	9.62
-	-	-	-	-	-	-	46,730.10	46,730.10	18.35
-	-	-	-	-	-	19,352.86	-	19,352.86	7.60
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	24,087.75	-	24,087.75	9.46
-	-	-	-	-	-	18,064.73	-	18,064.73	7.09
-	-	-	-	-	-	11,275.29	-	11,275.29	4.43
111.72	-	-	-	-	-	139,622.14	47,073.18	186,695.32	73.31
-	-	-	-	-	-	-	103.58	103.58	0.04
-	-	-	-	-	-	-	58.14	58.14	0.02
-	-	-	-	-	-	-	93.85	93.85	0.04
-	-	-	-	-	-	-	255.57	255.57	0.10
10,700.91	2,225.28	394.37	126.29	0.04	0.31	181,425.06	73,234.72	254,659.78	100.00
4.20	0.87	0.15	0.05	-	-	71.24	28.76	100.00	

Table 24 : Consumption of Fuel

2017

PLN Operational Unit/ Province	Oil (kilo litre)					Coal (ton)	Natural Gas (MMSCF)
	HSD	IDO	MFO	Others*)	Total		
Region of Aceh	92,497.97	-	-	31,555.31	124,053.28	-	-
Region of North Sumatera	35,490.72	-	-	5,677.24	41,167.96	-	-
Region of West Sumatera	24,778.21	-	-	-	24,778.21	-	-
Region of Riau	206,735.57	-	-	52,468.75	259,204.32	144,555.99	1,693.54
- Riau	143,904.47	-	-	36,011.04	179,915.51	-	1,693.54
- Riau Archipelago	62,831.10	-	-	16,457.71	79,288.81	144,555.99	-
Region of South Sumatera, Jambi & Bengkulu	22,582.85	-	-	-	22,582.85	-	382.30
- South Sumatera	-	-	-	-	-	-	-
- Jambi	307.20	-	-	-	307.20	-	382.30
- Bengkulu	22,275.65	-	-	-	22,275.65	-	-
Region of Bangka Belitung	165,908.86	-	-	19,619.33	185,528.20	282,897.84	-
Distribution of Lampung	52.96	-	-	13.08	66.04	-	-
Region of West Kalimantan	181,573.11	-	169,083.32	499.40	351,155.82	165,851.98	-
Region of S & C Kalimantan	162,298.58	-	-	32,028.31	194,326.89	1,698,594.66	5,349.90
- South Kalimantan	85,568.36	-	-	6,576.57	92,144.93	1,698,594.66	5,349.90
- Central Kalimantan	76,730.22	-	-	25,451.74	102,181.96	-	-
Region of East Kalimantan & North	183,026.60	-	45,787.87	38,900.17	267,714.64	277,119.03	3,784.16
Region of N, C Sulawesi & Gorontalo	152,926.07	-	-	27,369.09	180,295.16	210,239.01	-
- North Sulawesi	58,271.84	-	-	10,643.11	68,914.95	210,239.01	-
- Gorontalo	4,965.16	-	-	1,241.29	6,206.44	-	-
- Central Sulawesi	89,689.07	-	-	15,484.70	105,173.77	-	-
Region of S, SE & W Sulawesi	199,929.11	0.58	43,653.44	31,176.98	274,760.12	507,196.27	3,703.20
- South Sulawesi	32,986.08	-	30,864.13	5,427.90	69,278.12	342,036.35	3,703.20
- Southeast Sulawesi	156,775.71	0.58	12,789.31	23,505.17	193,070.77	165,159.93	-
- West Sulawesi	10,167.32	-	-	2,243.91	12,411.23	-	-
Region of Maluku & North Maluku	172,329.76	-	10,322.14	21,776.89	204,428.78	75,099.53	-
- Maluku	117,736.45	-	10,322.14	10,776.48	138,835.07	75,099.53	-
- North Maluku	54,593.31	-	-	11,000.41	65,593.71	-	-
Region of Papua	310,060.35	-	0.10	-	310,060.44	-	-
- Papua	175,848.69	-	0.10	-	175,848.78	-	-
- West Papua	133,557.73	-	-	-	133,557.73	-	-
Distribution of Bali	11.09	-	-	-	11.09	-	-
Region of West Nusa Tenggara	210,150.84	-	126,675.30	19,151.24	355,977.38	130,151.70	-
Region of East Nusa Tenggara	124,767.77	-	-	12,408.89	137,176.66	121,471.71	-
PT PLN Batam	3,215.75	-	16,276.59	-	19,492.35	-	2,144.78
Generation of Northern Part of Sumatera	200,605.94	-	271,506.67	3,223.28	475,335.89	2,506,353.12	61,307.07
Generation of Southern Part of Sumatera	23,407.99	579.35	-	1,257.27	25,244.60	2,177,931.42	34,968.51
Sumatera Trans. and Control Center	-	-	-	-	-	-	-
Outside Java	2,472,350.09	579.93	683,305.43	297,125.23	3,453,360.69	8,297,462.26	113,333.47
Dist. of East Java	12,817.51	-	-	-	12,817.51	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-
Dist. of Banten	184.73	-	-	-	184.73	-	-
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-
PT Indonesia Power	24,671.05	-	8,351.21	-	33,022.25	12,363,516.56	104,943.18
PT Java Bali Genco **)	3,687.66	-	26,805.66	-	30,493.32	2,658,368.30	138,996.40
Distribution and Load Control Center (P2B)	-	-	-	-	-	-	-
Generation of Tanjung Jati B	2,017.13	-	-	-	2,017.13	7,724,543.20	-
Generation of Western Part of Java	4,932.66	-	-	1,223.96	6,156.61	7,227,213.62	85,937.26
Generation of Central Part of Java	8,273.92	-	-	1,708.33	9,982.25	9,777,145.41	3,650.96
Generation of Eastern Part of Java & Bali	5,269.62	-	-	-	5,269.62	6,515,644.11	-
Java	61,854.27	-	35,156.86	2,932.29	99,943.43	46,266,431.19	333,527.81
Power Plant Development Unit (UIP) of Sumatera Power Plant	-	-	-	-	-	-	-
Power Plant Development Unit (UIP) of West Kalimantan	-	-	-	-	-	-	-
Power Plant Development Unit (UIP) of Central Kalimantan	44,807.93	-	-	-	44,807.93	96,547.23	210.87
Power Plant Development Unit (UIP) of East Kalimantan	24.76	-	-	-	24.76	45,139.71	-
Power Plant Development Unit (UIP) of South Sulawesi	85.93	-	-	-	85.93	6,266.48	-
Generation Projects	44,918.62	-	-	-	44,918.62	147,953.42	210.87
Indonesia	2,579,122.99	579.93	718,462.29	300,057.52	3,598,222.74	54,711,846.87	447,072.14

*) Olein bio diesel and etc.

**) Including diesel power plant consumption of fuel in Sulawesi

Table 25 : Unit Price of Fuel

2017

PLN Operational Unit/Province	Oil (Rp/litre *)				Coal (Rp/kg)	Natural Gas (Rp/ MMSCF)	Geo- thermal (Rp/kWh)
	HSD *)	IDO	MFO	Average			
Region of Aceh	6,325.41	-	-	6,325.41	-	-	-
Region of North Sumatera	6,686.00	-	-	6,686.00	-	-	-
Region of West Sumatera	6,423.58	-	-	6,423.58	-	-	-
Region of Riau	6,011.62	-	-	6,011.62	619.16	112,361.60	-
- Riau	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-
Region of South Sumatera, Jambi & Bengkulu	6,533.25	-	-	6,533.25	-	115,482.85	-
- South Sumatera	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-
Region of Bangka Belitung	7,389.39	-	-	7,389.39	632.10	-	-
Distribution of Lampung	7,399.66	-	-	7,399.66	-	-	-
Region of West Kalimantan	6,852.09	-	5,010.67	5,955.69	683.10	-	-
Region of S & C Kalimantan	7,728.28	-	-	6,454.53	550.98	68,655.89	-
- South Kalimantan	-	-	-	-	-	-	-
- Central Kalimantan	-	-	-	-	-	-	-
Region of East Kalimantan & North	8,138.10	-	10,611.34	7,378.80	535.20	73,109.41	-
Region of N, C Sulawesi & Gorontalo	13,708.58	-	-	11,629.41	655.92	-	806.41
- North Sulawesi	-	-	-	-	-	-	-
- Gorontalo	-	-	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-	-	-
Region of S, SE & W Sulawesi	7,244.91	-	4,956.13	6,068.62	566.86	-	-
- South Sulawesi	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-
Region of Maluku & North Maluku	7,883.09	-	3,652.53	6,838.90	-	-	-
- Maluku	-	-	-	-	-	-	-
- North Maluku	-	-	-	-	-	-	-
Region of Papua	6,757.73	-	-	6,757.73	-	-	-
- Papua	-	-	-	-	-	-	-
- West Papua	-	-	-	-	-	-	-
Distribution of Bali	7,275.66	-	-	7,275.66	-	-	-
Region of West Nusa Tenggara	6,903.14	-	5,256.78	5,945.90	718.13	-	-
Region of East Nusa Tenggara	9,235.02	-	-	8,399.83	1,201.14	-	-
PT PLN Batam	5,531.21	-	4,009.95	4,260.92	-	265,157.33	-
Generation of Northern Part of Sumatera	6,215.88	-	5,073.11	5,525.18	781.05	119,137.90	-
Generation of Southern Part of Sumatera	6,403.50	5,645.12	-	6,799.48	690.60	103,854.21	640.30
Outside Java	7,363.71	5,639.44	5,408.57	6,667.38	736.64	109,259.21	680.21
Dist. of East Java	6,904.65	-	-	6,904.65	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-
Dist. of Banten	7,540.48	-	-	7,540.48	-	-	-
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-
PT Indonesia Power	6,807.44	-	3,238.16	6,662.77	835.10	110,528.29	765.03
PT Java Bali Genco	8,378.73	-	4,737.50	5,734.67	813.79	101,379.22	-
Generation of Tanjung Jati B	8,489.83	-	-	8,489.63	995.63	-	-
Generation of Western Part of Java	-	-	-	-	-	-	-
Generation of Central Part of Java	7,464.94	-	-	7,464.94	702.68	106,387.62	-
Generation of Eastern Part of Java & Bali	-	-	-	-	-	-	-
Java	7,528.43	-	4,381.34	7,039.36	793.36	105,603.23	765.03
Indonesia**)	7,239.41	5,639.44	5,358.30	6,259.85	782.61	106,480.22	737.81

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

**) Including project fuel

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

2017

PLN Operational Unit/Province	Oil (Kilo litre)					Coal (ton)	Natural Gas (MMSCF)	Total
	HSD	IDO	MFO	Other Fuel Mix *)	Total			
Region of Aceh	116.24	-	-	17.85	134.09	-	-	134.09
Region of North Sumatera	4.07	-	-	1.69	5.76	-	-	5.76
Region of West Sumatera	25.51	-	-	-	25.51	-	-	25.51
Region of Riau	146.48	-	-	28.90	175.38	50.26	-	225.65
- Riau	47.95	-	-	7.82	55.77	-	-	55.77
- Riau Archipelago	98.53	-	-	21.08	119.61	50.26	-	169.88
Region of South Sumatera, Jambi, & Bengkulu	7.08	-	-	-	7.08	-	-	7.08
- South Sumatera	-	-	-	-	-	-	-	-
- Jambi	1.03	-	-	-	1.03	-	-	1.03
- Bengkulu	6.05	-	-	-	6.05	-	-	6.05
Region of Bangka Belitung	145.65	-	-	4.19	149.84	287.11	-	436.95
Distribution of Lampung	0.15	-	-	0.03	0.18	-	-	0.18
Region of West Kalimantan	110.75	-	137.06	0.15	247.96	158.96	-	406.92
Region of S & C Kalimantan	131.80	-	-	17.60	149.40	2,115.55	606.31	2,871.25
- South Kalimantan	81.63	-	-	3.18	84.81	2,115.55	606.31	2,806.67
- Central Kalimantan	50.17	-	-	14.42	64.59	-	-	64.59
Region of East Kalimantan & North	239.78	-	87.66	25.11	352.55	389.34	68.43	810.32
Region of N, C Sulawesi & Gorontalo	219.14	-	-	37.18	256.31	229.91	-	486.22
- North Sulawesi	139.72	-	-	19.22	158.94	229.91	-	388.85
- Gorontalo	18.78	-	-	4.32	23.10	-	-	23.10
- Central Sulawesi	60.64	-	-	13.64	74.28	-	-	74.28
Region of S, SE & W Sulawesi	239.41	-	48.42	28.76	316.59	574.94	-	891.54
- South Sulawesi	59.49	-	15.57	8.74	83.79	423.51	-	507.30
- Southeast Sulawesi	179.05	-	32.85	19.85	231.75	151.43	-	383.19
- West Sulawesi	0.87	-	-	0.17	1.04	-	-	1.04
Region of Maluku & North Maluku	214.19	-	-	47.22	261.41	74.82	-	336.23
- Maluku	128.03	-	-	31.78	159.81	74.82	-	234.63
- North Maluku	86.16	-	-	15.44	101.60	-	-	101.60
Region of Papua	268.48	-	-	-	268.48	26.78	-	295.26
- Papua	104.19	-	-	-	104.19	17.29	-	121.48
- West Papua	163.30	-	-	-	163.30	9.49	-	172.80
Distribution of Bali	0.04	-	-	-	0.04	-	-	0.04
Region of West Nusa Tenggara	106.10	-	216.30	11.63	334.03	159.86	-	493.90
Region of East Nusa Tenggara	66.27	-	-	8.69	74.96	123.31	-	198.28
PT PLN Batam	82.11	-	63.75	-	145.86	-	151.28	297.14
Generation of Northern Part of Sumatera	373.46	-	180.93	10.33	564.72	3,431.43	5,253.07	9,249.23
Generation of Southern Part of Sumatera	29.94	2.43	-	-	32.37	3,483.99	1,339.82	4,856.19
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-
Outside Java	2,526.66	2.43	734.13	239.33	3,502.54	11,106.27	7,418.92	22,027.73
Dist. of East Java	4.28	-	-	-	4.28	-	-	4.28
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-	-
Dist. of Banten	0.57	-	-	-	0.57	-	-	0.57
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-	-
PT Indonesia Power	38.60	-	0.25	-	38.85	23,894.44	11,113.01	35,046.30
PT Java Bali Genco **)	160.87	-	115.29	-	276.16	5,613.93	15,701.61	21,591.69
Distribution and Load Control Center (P2B) Java Bali	-	-	-	-	-	-	-	-
Generation of Tanjung Jati B	-	-	-	-	-	19,352.86	-	19,352.86
Generation of Western Part of Java	-	-	-	-	-	12,466.92	11,620.83	24,087.75
Generation of Central Part of Java	10.44	-	-	-	10.44	17,552.81	501.49	18,064.73
Generation of Eastern Part of Java & Bali	18.09	-	-	-	18.09	11,257.20	-	11,275.29
Java	232.84	-	115.54	-	348.39	90,138.14	38,936.94	129,423.47
Indonesia	2,759.50	2.43	849.67	239.33	3,850.93	101,244.41	46,355.86	151,451.20

*) Olein, biodiesel, and etc.

**) Including production of diesel power plant in Sulawesi

Table 27 : Captive Power**2017**

PLN Operational Unit/Province	Number of Captive Power (CP)			Installed Capacity (kVA)			kVA PLN Connected with Reserve CP
	Pure CP	Reserve CP	Total	Pure CP	Reserve CP	Total	
Region of Aceh	-	-	-	-	-	-	-
Region of North Sumatera	171	-	171	146,565	-	146,565	-
Region of West Sumatera	10	312	322	11,434	197,475	208,909	208,909
Region of Riau	-	-	-	-	-	-	-
- Riau	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-
Region of South Sumatera, Jambi, & Bengkulu	35	79	114	30,283	19,835	50,118	13,151
- South Sumatera	-	-	-	-	-	-	-
- Jambi	3	-	3	7,353	-	7,353	4,343
- Bengkulu	32	79	111	22,930	19,835	42,765	8,808
Region of Bangka Belitung	274	242	516	57,836	57,699	115,535	328
Distribution of Lampung	6	250	256	47,000	240,137	287,137	172,662
Region of West Kalimantan	2	77	79	6,685	37,787	44,472	26,662
Region of S & C Kalimantan	31	190	221	7,981	136,302	144,283	170,378
- South Kalimantan	31	159	190	7,981	113,154	121,135	141,443
- Central Kalimantan	-	31	31	-	23,148	23,148	28,935
Region of East Kalimantan & North	-	-	-	-	-	-	-
Region of N, C Sulawesi & Gorontalo	190	-	190	661,066	-	661,066	-
- North Sulawesi	104	-	104	87,338	-	87,338	-
- Gorontalo	23	-	23	40,748	-	40,748	-
- Central Sulawesi	63	-	63	532,980	-	532,980	-
Region of S, SE & W Sulawesi	531	545	1,076	484,037	84,445	568,482	84,386
- South Sulawesi	367	367	734	481,098	68,942	550,040	71,493
- Southeast Sulawesi	101	101	202	892	13,334	14,226	11,467
- West Sulawesi	63	77	140	2,047	2,169	4,216	1,426
Region of Maluku & North Maluku	72	118	190	12,665	9,296	21,961	-
- Maluku	-	-	-	-	-	-	-
- North Maluku	72	118	190	12,665	9,296	21,961	-
Region of Papua	-	173	173	-	22,668	22,668	42,611
- Papua	-	132	132	-	14,148	14,148	27,647
- West Papua	-	41	41	-	8,520	8,520	14,964
Distribution of Bali	-	-	-	-	-	-	-
Region of West Nusa Tenggara	-	-	-	-	22,607	22,607	-
Region of East Nusa Tenggara	35	96	131	11,418	10,718	22,136	12,743
PT PLN Batam	3	5	8	29,000	29,316	58,316	19,800
Outside Java	1,360	2,087	3,447	1,505,970	868,285	2,374,255	751,630
Dist. of East Java	254	981	1,235	439,870	780,679	1,220,549	534,810
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
Dist. of West Java	5	16	21	43,310	582,620	625,930	-
Dist. of Banten	14	118	132	732,000	302,835	1,034,835	1,223,800
Dist. of Jakarta Raya & Tangerang	15	1,086	1,101	109,662	1,991,570	2,101,232	2,053,930
J a v a	288	2,201	2,489	1,324,842	3,657,704	4,982,546	3,812,540

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

Table 28 : Length of Transmission Lines (kmc)**2017**

PLN Operational Unit/Province	Voltage					Total
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV	
Region of Aceh	-	-	-	-	-	-
Region of North Sumatera	-	-	-	-	-	-
Region of West Sumatera	-	-	-	-	-	-
Region of Riau	-	-	179.08	-	-	179.08
- Riau	-	-	-	-	-	-
- Riau Archipelago	-	-	179.08	-	-	179.08
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-
Region of Bangka Belitung	-	-	374.93	-	-	374.93
Distribution of Lampung	-	-	-	-	-	-
Region of West Kalimantan	-	-	951.36	162.75	-	1,114.11
Region of S & C Kalimantan	-	123.08	2,626.76	-	-	2,749.84
- South Kalimantan	-	123.08	1,467.90	-	-	1,590.98
- Central Kalimantan	-	-	1,158.86	-	-	1,158.86
Region of East Kalimantan & North	-	-	1,120.23	-	-	1,120.23
Region of N, C Sulawesi & Gorontalo	0.76	450.62	1,588.86	-	-	2,040.25
- North Sulawesi	0.76	306.82	832.09	-	-	1,139.67
- Gorontalo	-	-	326.70	-	-	326.70
- Central Sulawesi	-	143.80	430.08	-	-	573.88
Region of S, SE & W Sulawesi	3.40	145.30	2,906.07	-	-	3,054.77
- South Sulawesi	3.40	119.90	2,488.03	-	-	2,611.33
- Southeast Sulawesi	-	25.40	-	-	-	25.40
- West Sulawesi	-	-	418.04	-	-	418.04
Region of Maluku & North Maluku	-	50.58	-	-	-	50.58
- Maluku	-	50.58	-	-	-	50.58
- North Maluku	-	-	-	-	-	-
Region of Papua	-	239.64	-	-	-	239.64
- Papua	-	239.64	-	-	-	239.64
- West Papua	-	-	-	-	-	-
Distribution of Bali	-	-	-	-	-	-
Region of West Nusa Tenggara	-	74.67	294.20	-	-	368.87
Region of East Nusa Tenggara	-	577.90	46.97	-	-	624.87
PT PLN Batam	-	-	169.47	-	-	169.47
Generation of Northern Part of Sumatera	-	-	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-	-	-
Sumatera Trans. and Control Center	-	338.43	10,959.71	2,726.50	-	14,024.64
Outside Java	4.16	2,000.22	21,217.64	2,889.25	-	26,111.28
Dist. of East Java	-	-	-	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-
Dist. of Banten	-	-	-	-	-	-
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-	-
PT Java Bali Genco	-	-	-	-	-	-
Transmission of Western Part of Java	-	237.39	1,996.73	-	990.31	3,224.43
Transmission of Central Part of Java	40.64	1,441.23	7,476.35	-	2,739.72	11,697.94
Transmission of Eastern Part of Java & Bali	56.15	1,356.21	5,111.24	-	1,343.76	7,867.36
Java	96.79	3,034.83	14,584.32	-	5,073.79	22,789.73
Indonesia	100.95	5,035.05	35,801.96	2,889.25	5,073.79	48,901.00

Table 29 : Length of Medium and Low Voltage Lines (kmc)**2017**

PLN Operational Unit/Province	Medium Voltage			Low Voltage
	6 - 7 kV	10 - 12 kV	15-20 kV	
Region of Aceh	-	-	17,283.52	17,366.02
Region of North Sumatera	-	-	26,182.02	27,129.41
Region of West Sumatera	-	-	11,032.40	15,536.75
Region of Riau	-	-	11,713.34	36,089.76
- Riau	-	-	9,483.37	34,259.66
- Riau Archipelago	-	-	2,229.97	1,830.10
Region of South Sumatera, Jambi & Bengkulu	-	-	23,684.88	21,690.67
- South Sumatera	-	-	11,914.15	10,026.44
- Jambi	-	-	7,209.83	5,524.91
- Bengkulu	-	-	4,560.90	6,139.32
Region of Bangka Belitung	-	-	4,386.28	4,750.46
Distribution of Lampung	-	-	12,683.42	15,801.89
Region of West Kalimantan	-	-	11,228.34	12,942.69
Region of S & C Kalimantan	-	-	14,443.63	14,262.74
- South Kalimantan	-	-	8,606.93	9,953.48
- Central Kalimantan	-	-	5,836.70	4,309.25
Region of East Kalimantan & North	-	-	7,443.97	7,664.80
Region of N, C Sulawesi & Gorontalo	-	-	14,325.00	12,885.00
- North Sulawesi	-	-	5,297.00	5,174.00
- Gorontalo	-	-	2,146.00	1,758.00
- Central Sulawesi	-	-	6,882.00	5,953.00
Region of S, SE & W Sulawesi	-	-	21,746.80	22,236.85
- South Sulawesi	-	-	14,325.08	15,705.92
- Southeast Sulawesi	-	-	5,029.59	4,714.89
- West Sulawesi	-	-	2,392.13	1,816.04
Region of Maluku & North Maluku	-	-	6,823.31	4,231.19
- Maluku	-	-	3,938.34	2,260.20
- North Maluku	-	-	2,884.97	1,970.99
Region of Papua	-	-	5,345.66	8,465.40
- Papua	-	-	3,240.70	6,257.43
- West Papua	-	-	2,104.96	2,207.97
Distribution of Bali	-	-	7,566.11	11,872.00
Region of West Nusa Tenggara	-	-	5,500.56	5,474.03
Region of East Nusa Tenggara	-	-	7,364.67	7,405.30
PT PLN Batam	-	-	1,567.27	2,667.49
Generation of Northern Part of Sumatera	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-
Sumatera Trans. and Control Center	-	-	-	-
Outside Java	-	-	210,321.18	248,472.45
Dist. of East Java	-	-	37,276.50	74,014.30
Dist. of Central Java & Yogyakarta	-	-	51,449.45	52,179.46
- Central Java	-	-	45,836.39	46,545.29
- D.I. Yogyakarta	-	-	5,613.06	5,634.17
Dist. of West Java	-	-	44,262.11	119,854.26
Dist. of Banten	-	-	15,086.35	23,841.45
Dist. of Jakarta Raya & Tangerang	-	-	43,563.82	108,358.12
PT Indonesia Power	-	-	-	-
PT Java Bali Genco	-	-	-	-
Transmission of Western Part of Java	-	-	-	-
Transmission of Central Part of Java	-	-	-	-
Transmission of Eastern Part of Java & Bali	-	-	-	-
J a v a	-	-	191,638.23	378,247.59
I n d o n e s i a	-	-	401,959.41	626,720.04

Table 30 : Number and Total Capacity of Substation Transformers

2017

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
Region of Aceh	-	-	-	-	-	-	-	-	-	-	-	-
Region of North Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Region of West Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Region of Riau	-	-	-	-	8	230	-	-	-	-	8	230
- Riau	-	-	-	-	-	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	8	230	-	-	-	-	8	230
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
Region of Bangka Belitung	-	-	-	-	5	210	3	90	-	-	8	300
Distribution of Lampung	-	-	-	-	-	-	-	-	-	-	-	-
Region of West Kalimantan	-	-	2	498	21	765	-	-	-	-	23	1,263
Region of S & C Kalimantan	-	-	-	-	43	1,392	14	148	-	-	57	1,540
- South Kalimantan	-	-	-	-	28	1,002	14	148	-	-	42	1,150
- Central Kalimantan	-	-	-	-	15	390	-	-	-	-	15	390
Region of East Kalimantan & North	-	-	-	-	36	1,460	-	-	-	-	36	1,460
Region of N, C Sulawesi & Gorontalo	-	-	-	-	23	760	27	530	-	-	50	1,290
- North Sulawesi	-	-	-	-	13	430	22	410	-	-	35	840
- Gorontalo	-	-	-	-	4	140	-	-	-	-	4	140
- Central Sulawesi	-	-	-	-	6	190	5	120	-	-	11	310
Region of S, SE & W Sulawesi	-	-	1	90	71	2,070	18	295	2	30	92	2,485
- South Sulawesi	-	-	1	90	63	1,874	13	200	2	30	79	2,194
- Southeast Sulawesi	-	-	-	-	1	30	5	95	-	-	6	125
- West Sulawesi	-	-	-	-	7	166	-	-	-	-	7	166
Region of Maluku & North Maluku	-	-	-	-	-	-	4	80	-	-	4	80
- Maluku	-	-	-	-	-	-	4	80	-	-	4	80
- North Maluku	-	-	-	-	-	-	-	-	-	-	-	-
Region of Papua	-	-	-	-	1	60	12	136	-	-	13	196
- Papua	-	-	-	-	1	60	12	136	-	-	13	196
- West Papua	-	-	-	-	-	-	-	-	-	-	-	-
Distribution of Bali	-	-	-	-	38	1,871	-	-	-	-	38	1,871
Region of West Nusa Tenggara	-	-	-	-	15	520	3	70	-	-	18	590
Region of East Nusa Tenggara	-	-	-	-	-	-	9	195	-	-	9	195
PT PLN Batam	-	-	-	-	20	810	-	-	-	-	20	810
Generation of Northern Part of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Sumatera Trans. and Control Center	-	-	21	5,660	250	10,993	26	685	-	-	297	17,338
Outside Java	-	-	24	6,248	531	21,141	116	2,229	2	30	673	29,648
Dist. of East Java	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Banten	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Jakarta Raya & Tangerang	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-	-	-	-	-	-	-	-
PT Java Bali Genco	-	-	-	-	-	-	-	-	-	-	-	-
Transmission of Western Part of Java	23	11,000	-	-	289	17,246	7	190	-	-	319	28,436
Transmission of Central Part of Java	23	11,500	-	-	376	21,875	60	1,393	-	-	459	34,768
Transmission of Eastern Part of Java & Bali	15	7,514	-	-	224	12,167	52	1,258	-	-	291	20,939
Java	61	30,014	-	-	889	51,288	119	2,841	-	-	1,069	84,143
Indonesia	61	30,014	24	6,248	1,420	72,429	235	5,070	2	30	1,742	113,791

Table 31 : Number and Total Capacity of Distribution Substation Transformers
2017

PLN Operational Unit/Province	20 kV		12-15 kV		6-7 kV		Total	
	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA
Region of Aceh	11,833	881.34	-	-	-	-	11,833	881.34
Region of North Sumatera	28,116	2,536.73	-	-	-	-	28,116	2,536.73
Region of West Sumatera	9,627	897.33	-	-	-	-	9,627	897.33
Region of Riau	12,866	1,638.41	-	-	-	-	12,866	1,638.41
- Riau	10,738	1,344.35	-	-	-	-	10,738	1,344.35
- Riau Archipelago	2,128	294.06	-	-	-	-	2,128	294.06
Region of South Sumatera, Jambi & Bengkulu	20,609	2,029.40	-	-	-	-	20,609	2,029.40
- South Sumatera	11,198	1,182.58	-	-	-	-	11,198	1,182.58
- Jambi	5,936	542.51	-	-	-	-	5,936	542.51
- Bengkulu	3,475	304.32	-	-	-	-	3,475	304.32
Region of Bangka Belitung	4,268	464.59	-	-	-	-	4,268	464.59
Distribution of Lampung	11,656	1,391.18	-	-	-	-	11,656	1,391.18
Region of West Kalimantan	8,549	812.70	-	-	-	-	8,549	812.70
Region of S & C Kalimantan	14,523	1,148.87	-	-	-	-	14,523	1,148.87
- South Kalimantan	9,400	769.45	-	-	-	-	9,400	769.45
- Central Kalimantan	5,123	379.42	-	-	-	-	5,123	379.42
Region of East Kalimantan & North	8,313	1,150.10	-	-	-	-	8,313	1,150.10
Region of N, C Sulawesi & Gorontalo	13,292	1,215.09	-	-	-	-	13,292	1,215.09
- North Sulawesi	5,372	586.78	-	-	-	-	5,372	586.78
- Gorontalo	2,296	188.17	-	-	-	-	2,296	188.17
- Central Sulawesi	5,624	440.14	-	-	-	-	5,624	440.14
Region of S, SE & W Sulawesi	23,293	1,990.61	-	-	-	-	23,293	1,990.61
- South Sulawesi	16,622	1,552.86	-	-	-	-	16,622	1,552.86
- Southeast Sulawesi	4,337	309.96	-	-	-	-	4,337	309.96
- West Sulawesi	2,334	127.79	-	-	-	-	2,334	127.79
Region of Maluku & North Maluku	4,249	405.44	-	-	-	-	4,249	405.44
- Maluku	2,470	238.93	-	-	-	-	2,470	238.93
- North Maluku	1,779	166.51	-	-	-	-	1,779	166.51
Region of Papua	3,570	411.42	-	-	-	-	3,570	411.42
- Papua	2,153	249.74	-	-	-	-	2,153	249.74
- West Papua	1,417	161.68	-	-	-	-	1,417	161.68
Distribution of Bali	10,959	1,773.34	-	-	-	-	10,959	1,773.34
Region of West Nusa Tenggara	5,085	684.45	-	-	-	-	5,085	684.45
Region of East Nusa Tenggara	4,603	348.39	-	-	-	-	4,603	348.39
PT PLN Batam	-	-	-	-	-	-	-	-
Generation of Northern Part of Sumatera	-	-	-	-	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-	-	-	-	-
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-
Outside Java	195,411	19,779.39	-	-	-	-	195,411	19,779.39
Dist. of East Java	60,870	7,475.10	-	-	-	-	60,870	7,475.10
Dist. of Central Java & Yogyakarta	124,731	6,476.46	-	-	-	-	124,731	6,476.46
- Central Java	108,707	5,591.72	-	-	-	-	108,707	5,591.72
- D.I. Yogyakarta	16,024	884.74	-	-	-	-	16,024	884.74
Dist. of West Java	51,233	9,114.10	-	-	-	-	51,233	9,114.10
Dist. of Banten	13,622	3,365.08	-	-	-	-	13,622	3,365.08
Dist. of Jakarta Raya & Tangerang	25,898	13,890.17	-	-	-	-	25,898	13,890.17
PT Indonesia Power	-	-	-	-	-	-	-	-
PT Jawa Bali Genco	-	-	-	-	-	-	-	-
Transmission of Western Part of Java	-	-	-	-	-	-	-	-
Transmission of Central Part of Java	-	-	-	-	-	-	-	-
Transmission of Eastern Part of Java & Bali	-	-	-	-	-	-	-	-
J a v a	276,354	40,320.91	-	-	-	-	276,354	40,320.91
I n d o n e s i a	471,765	60,100.30	-	-	-	-	471,765	60,100.30

Table 32 : Balance Sheet (million Rp)

2017

Description		Description	December 2017
FIXED ASSETS		EQUITY	869,416,604
- Total Fixed Assets	1,134,254,629	DEFERRED REVENUE	-
- Accumulation Depreciation	(74,982,694)		
Total Fixed Assets (Net)	1,059,271,935	Total Equity & Deferred Revenue	869,416,604
		LONG TERM LIABILITIES	326,466,395
Work in Progress	145,296,494	- Deferred Tax	2,066,363
Other Assets	19,909,825	- Long Term Liabilities	44,821,877
Receivables from Related Parties	237,181	- Bond Payable	103,348,346
Long Term Investment	6,878,498	- Other Long Term Liabilities	15,713,269
Deferred Tax Assets	9,566,473	- Electricity Purchase Payable	116,957,518
		- Employee Benefit Obligations	43,559,022
CURRENT ASSETS		CURRENT LIABILITIES	139,074,658
- Cash & Bank	42,291,959		
- Government Subsidy	7,588,977		
- Temporary Investment	286,697		
- Receivable	24,139,080		
- Inventories	12,828,118		
- Other Current Assets	6,662,420		
Total Current Assets	93,797,251	Total Long Term & Current Liabilities	465,541,053
TOTAL ASSETS	1,334,957,657	TOTAL EQUITY & LIABILITIES	1,334,957,657

Table 33 : Profit and Loss (million Rp)**2017**

Description	December 2017
OPERATION REVENUE	
- Electricity Sales	246,586,856
- Connection Fees	7,113,454
- Others	1,594,933
Total Operation Revenue	255,295,243
OPERATION COST	
- Electricity Purchase and Diesel Rented	79,018,802
- Fuel and Lubricant Oil	116,947,824
- Maintenance	19,515,606
- Personnel	23,124,511
- Depreciation	29,160,597
- Others	7,706,754
Total Operation Cost	275,474,094
PROFIT (LOSS) FROM SUBSIDY	(20,178,851)
- Government Subsidy	45,738,215
PROFIT (LOSS) FROM SUBSIDY	25,559,364

Table 34 : Fixed Asset and Depreciation (million Rp)**2017**

Function	Saldo 2017	Accumulated Depreciation	Book Value 2017
- Hydro	106,743,617.43	6,022,482.48	100,721,134.95
- Steam	416,051,476.84	59,135,346.31	356,916,130.53
- Diesel	21,386,693.98	3,062,399.43	18,324,294.55
- Gas Turbine	90,764,139.08	9,290,941.52	81,473,197.56
- Geothermal	53,956,130.11	5,535,179.25	48,420,950.87
- Combined Cycle	195,020,792.87	10,555,807.24	184,464,985.63
- Solar	420,645.48	49,298.91	371,346.56
- Transmission	159,144,401.85	6,222,994.02	152,921,407.83
- Data Tele Information	5,421,325.65	2,179,356.27	3,241,969.39
- Distribution and UPD	180,973,197.72	10,665,794.47	170,307,403.25
- T U L	3,371,170.55	564,295.85	2,806,874.71
- T U	40,883,959.08	2,902,585.75	37,981,373.33
TOTAL	1,274,137,550.65	116,186,481.50	1,157,951,069.15

Table 35 : Accounts Receivable (million Rp)

2017

PLN Operational Unit	Public	Armed Force	Non Armed Force	Local Government	BUMN	Total
Region of Aceh	160,411.92	20,861.61	2,548.39	75,777.50	6,575.37	266,174.79
Region of North Sumatera	968,570.07	21,172.82	11,740.44	59,690.24	20,209.13	1,081,382.71
Region of West Sumatera	188,192.01	7,249.75	5,144.99	22,749.69	84,946.18	308,282.62
Region of Riau	474,663.97	15,324.35	5,540.02	44,093.85	7,316.40	546,938.59
Region of South Sumatera, Jambi & Bengkulu	846,348.67	21,554.02	7,724.19	48,284.98	20,146.75	944,058.60
Region of Bangka Belitung	31,235.07	1,026.50	944.23	3,015.51	3,154.25	39,375.56
Distribution of Lampung	429,159.12	2,370.00	3,355.27	18,121.29	2,368.53	455,374.22
Region of West Kalimantan	204,453.74	13,838.61	2,604.97	11,422.91	3,276.89	235,597.12
Region of S & C Kalimantan	260,169.23	10,781.39	4,948.60	22,412.64	11,293.57	309,605.43
Region of East Kalimantan & North	248,968.58	21,300.83	4,592.47	28,927.13	13,062.92	316,851.92
Region of N, C Sulawesi & Gorontalo	271,229.13	17,977.86	6,816.90	54,936.09	6,134.56	357,094.53
Region of S, SE & W Sulawesi	582,491.07	31,046.65	12,316.50	39,776.99	44,879.18	710,510.39
Region of Maluku & North Maluku	134,933.65	14,264.98	4,167.26	5,346.51	4,745.88	163,458.28
Region of Papua	126,396.49	28,543.48	4,753.97	9,452.92	5,410.20	174,557.06
Distribution of Bali	369,313.06	9,821.59	4,497.30	12,697.90	5,249.36	401,579.21
Region of West Nusa Tenggara	100,586.45	2,085.18	1,352.37	11,679.16	3,568.82	119,271.97
Region of East Nusa Tenggara	71,078.62	6,924.53	2,229.52	3,901.42	3,817.31	87,951.40
PT PLN Batam	256,964.89	4,073.36	1,672.10	2,362.40	673.57	265,746.31
Outside Java	5,725,165.75	250,217.49	86,949.48	474,649.12	246,828.84	6,783,810.69
Dist. of East Java	2,758,220.17	78,446.75	25,817.07	93,616.65	167,876.23	3,123,976.87
Dist. of Central Java & Yogyakarta	2,226,277.50	35,649.25	30,150.18	81,368.80	20,649.72	2,394,095.45
Dist. of West Java	4,669,955.68	65,426.11	28,573.25	77,648.74	55,278.03	4,896,881.81
Dist. of Banten	2,225,037.51	14,395.07	11,918.68	14,204.41	8,504.21	2,274,059.88
Dist. of Jakarta Raya & Tangerang	3,166,243.45	190,469.09	97,673.89	72,829.07	22,669.49	3,549,884.99
Java	15,045,734.31	384,386.28	194,133.08	339,667.66	274,977.67	16,238,899.00
Subsidiaries without Batam	588,725.83	-	-	-	287.31	589,013.13
Central Unit	-	-	-	-	-	-
Auditor Correction	(31,784.20)	-	-	-	-	(31,784.20)
Indonesia	21,327,841.68	634,603.77	281,082.56	814,316.78	522,093.82	23,579,938.62

Table 36 : Average Collection Rate**2017**

PLN Operational Unit	Sales (million Rp)	Accounts Receivable (million Rp)	Average (day)
Region of Aceh	1,740,051.72	266,174.79	55.83
Region of North Sumatera	8,957,378.43	1,081,382.71	44.06
Region of West Sumatera	2,932,389.25	308,282.62	38.37
Region of Riau	4,279,231.92	546,938.59	46.65
Region of South Sumatera, Jambi & Bengkulu	6,657,058.24	944,058.60	51.76
Region of Bangka Belitung	394,214.16	39,375.56	36.46
Distribution of Lampung	3,358,012.04	455,374.22	49.50
Region of West Kalimantan	1,686,234.21	235,597.12	51.00
Region of S & C Kalimantan	2,734,983.78	309,605.43	41.32
Region of East Kalimantan & North	2,772,102.72	316,851.92	41.72
Region of N, C Sulawesi & Gorontalo	2,372,806.23	357,094.53	54.93
Region of S, SE & W Sulawesi	5,882,100.91	710,510.39	44.09
Region of Maluku & North Maluku	752,157.87	163,458.28	79.32
Region of Papua	987,056.49	174,557.06	64.55
Distribution of Bali	4,410,490.97	401,579.21	33.23
Region of West Nusa Tenggara	1,080,760.75	119,271.97	40.28
Region of East Nusa Tenggara	320,955.34	87,951.40	100.02
PT PLN Batam	2,581,151.16	265,746.31	37.58
Outside Java	53,899,136.20	6,783,810.69	45.94
Dist. of East Java	30,787,537.90	3,123,976.87	37.04
Dist. of Central Java & Yogyakarta	21,376,862.05	2,394,095.45	40.88
Dist. of West Java	43,526,888.82	4,896,881.81	41.06
Dist. of Banten	21,253,735.59	2,274,059.88	39.05
Dist. of Jakarta Raya & Tangerang	33,544,959.34	3,549,884.99	38.63
Java	150,489,983.71	16,238,899.00	39.39
Prepaid Electricity	42,350,991.37	589,013.13	-
Central Unit	(153,255.50)	-	-
Correction SUD	-	(31,784)	-
Indonesia	246,586,855.78	23,579,938.62	34.90

Table 37 : Generation Cost**2017**

Generation Type	Generation Cost (million Rp)					
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Total
Hydro	463,754.39	595,827.60	2,431,165.21	57,643.43	297,745.06	3,846,135.69
Steam	64,788,835.72	8,226,056.84	10,957,347.08	214,093.45	1,043,600.36	85,229,933.45
Diesel **)	21,192,918.26	1,615,287.20	992,529.90	111,157.21	770,355.67	24,682,248.24
Gas Turbine	15,141,845.22	972,545.64	2,753,888.25	54,191.89	167,656.25	19,090,127.26
Geothermal	5,654,234.85	953,297.27	1,389,693.14	16,390.31	97,030.07	8,110,645.64
Combined Cycle	34,857,623.10	1,174,260.30	5,133,922.62	136,564.85	381,475.20	41,683,846.07
Solar	46.06	6,358.89	25,130.98	376.74	2,757.69	34,670.37
Total	142,099,257.62	13,543,633.74	23,683,677.18	590,417.87	2,760,620.31	182,677,606.72
Rented ***)						9,555,670.99

*) Including Lubricant

**) Including Diesel Gas

***) Rental cost of diesel power plant and gas

Table 38 : Average Generation Cost per kWh**2017**

Generation Type	Average Generation Cost per kWh (Rp/kWh)					
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Total
Hydro	37.32	47.95	195.66	4.64	23.96	309.54
Steam	613.23	77.86	103.71	2.03	9.88	806.71
Diesel **)	1,281.73	276.89	170.14	19.05	132.05	1,879.85
Gas Turbine	8,003.43	514.05	1,455.61	28.64	88.62	10,090.35
Geothermal	1,380.43	232.74	339.28	4.00	23.69	1,980.14
Combined Cycle	915.52	30.84	134.84	3.59	10.02	1,094.81
Solar	8.33	1,149.89	4,544.48	68.13	-	6,269.51
Average	845.94	80.63	140.99	3.51	16.43	1,087.51
Rented ***)						710.61

*) Including Lubricant

**) Including Diesel Gas

***) Rental cost of diesel power plant and gas

Table 39 : Financial Ratios**2017**

Indicator	Unit	2017
I. Financial Indicators		
- Cash	%	0.30
- Rentability Ratio	%	0.51
- Solvability Ratio	%	34.87
- Liquidity Ratio	%	67.44
II. Financial Covenant *)		
- CICR	Times	3.19
- Financial Liabilities to Total Assets	%	22.71
- EBITDA Interest Coverage Ratio	Times	3.05
III. Operating Activity (Financial)		
- Fixed Assets Turnover	Times	0.21
- Average Period of Receivable Collection	Day	32.70
- Receivable Turnover	Times	11.16
- Material Turnover	Times	1.07

*) For Calculating Financial Covenant based on Financial Report with excluding the impact of ISAK 8 as stated on Global Bonds and Trustee Local Bond Agreement

Table 40 : Number of Employees by Grade

2017

PLN Operational Unit/Province	Integration (0-3)	Advance (4-6)	Optimization (7-10)	System (11-14)	Specific (15-18)	Basic (19-26)	Total
Region of Aceh	-	2	25	230	404	448	1,109
Region of North Sumatera	1	4	19	238	575	698	1,535
Region of West Sumatera	-	2	10	122	462	457	1,053
Region of Riau	-	1	13	109	468	512	1,103
Region of South Sumatera, Jambi & Bengkulu	-	1	16	154	497	477	1,145
Region of Bangka Belitung	-	2	4	57	175	203	441
Distribution of Lampung	-	1	13	66	321	290	691
Region of West Kalimantan	1	2	7	148	454	649	1,261
Region of S & C Kalimantan	-	3	20	264	556	835	1,678
Region of East Kalimantan & North	-	1	17	173	343	671	1,205
Region of N, C Sulawesi & Gorontalo	-	4	13	194	621	826	1,658
Region of S, SE & W Sulawesi	1	1	34	353	840	1,015	2,244
Region of Maluku & North Maluku	-	1	10	91	369	574	1,045
Region of Papua	-	2	9	83	415	687	1,196
Distribution of Bali	1	3	14	153	382	295	848
Region of West Nusa Tenggara	-	2	11	90	420	511	1,034
Region of East Nusa Tenggara	-	2	9	99	403	452	965
PT PLN Batam	-	-	-	-	-	-	395
Generating of Northern Part of Sumatera	-	2	13	115	376	698	1,204
Generating of Southern Part of Sumatera	-	3	11	144	594	667	1,419
Sumatera Trans. and Control Center	-	3	22	158	622	964	1,769
Outside Java	4	42	290	3,041	9,297	11,929	24,998
Dist. of East Java	1	9	57	398	1,247	953	2,665
Dist. of Central Java & Yogyakarta	-	6	47	262	921	814	2,050
Dist. of West Java	-	9	35	602	1,037	891	2,574
Dist. of Banten	-	3	9	124	370	318	824
Dist. of Jakarta Raya & Tangerang	1	5	33	410	837	477	1,763
PT Indonesia Power	-	-	-	-	-	-	4,174
PT Java Bali Genco	-	-	-	-	-	-	3,178
Transmission of Western Part of Java	-	2	14	119	432	424	991
Transmission of Central Part of Java	-	2	21	230	599	866	1,718
Transmission of Eastern Part of Java & Bali	-	2	15	111	404	613	1,145
Distribution and Load Control Center	1	2	16	110	215	127	471
Generation of Tanjung Jati B	1	1	11	14	43	6	76
J a v a	4	41	258	2,380	6,105	5,489	21,629
PLN Head Office	43	176	238	369	1,660	86	2,572
PLN Supporting & Service Unit	3	25	116	247	871	427	1,689
PLN Construction Unit	-	23	131	331	1,539	897	2,921
Other Subsidiaries	-	-	-	-	-	-	1,011
I n d o n e s i a	54	307	1,033	6,368	19,472	18,828	54,820

Table 41 : Number of Employees by Education**2017**

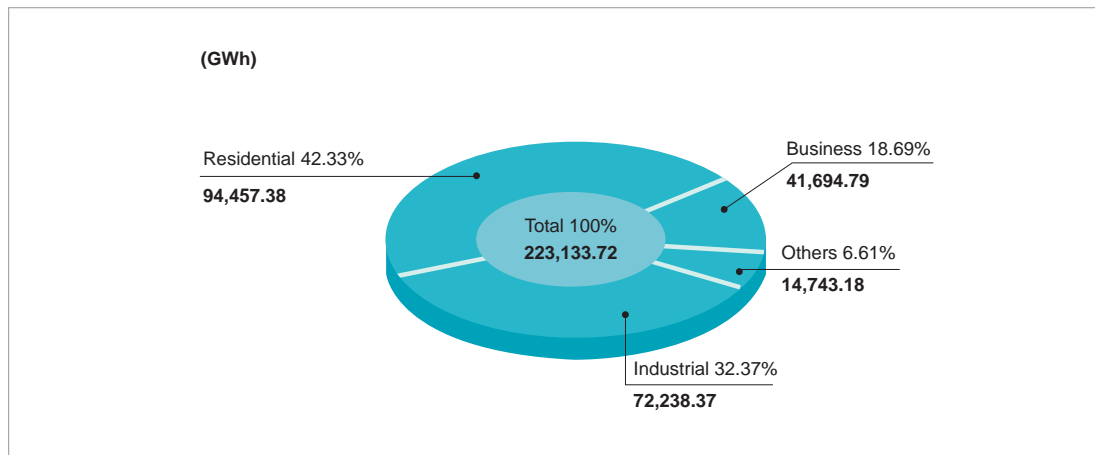
PLN Operational Unit/Province	<= D1-D3	D4-S1	S2	S3	Total
Region of Aceh	883	220	6	-	1,109
Region of North Sumatera	1,131	398	6	-	1,535
Region of West Sumatera	799	241	13	-	1,053
Region of Riau	901	194	8	-	1,103
Region of South Sumatera, Jambi & Bengkulu	803	322	20	-	1,145
Region of Bangka Belitung	314	118	9	-	441
Distribution of Lampung	436	242	13	-	691
Region of West Kalimantan	958	291	12	-	1,261
Region of S & C Kalimantan	1,298	360	20	-	1,678
Region of East Kalimantan & North	949	239	17	-	1,205
Region of N, C Sulawesi & Gorontalo	1,270	376	12	-	1,658
Region of S, SE & W Sulawesi	1,597	624	23	-	2,244
Region of Maluku & North Maluku	900	143	2	-	1,045
Region of Papua	965	222	9	-	1,196
Distribution of Bali	578	253	17	-	848
Region of West Nusa Tenggara	825	202	7	-	1,034
Region of East Nusa Tenggara	788	171	6	-	965
PT PLN Batam	-	-	-	-	395
Generation of Northern Part of Sumatera	882	315	7	-	1,204
Generation of Southern Part of Sumatera	1,120	290	9	-	1,419
Sumatera Trans. and Control Center	1,361	390	18	-	1,769
Outside Java	18,758	5,611	234	-	24,998
Dist. of East Java	1,811	792	62	-	2,665
Dist. of Central Java & Yogyakarta	1,429	575	46	-	2,050
Dist. of West Java	1,817	724	33	-	2,574
Dist. of Banten	547	255	22	-	824
Dist. of Jakarta Raya & Tangerang	1,267	469	27	-	1,763
PT Indonesia Power	-	-	-	-	4,174
PT Java Bali Genco	-	-	-	-	3,178
Transmission of Western Part of Java	760	215	15	1	991
Transmission of Central Part of Java	1,387	308	23	-	1,718
Transmission of Eastern Part of Java & Bali	864	270	11	-	1,145
Distribution and Load Control Center	256	196	19	-	471
Generation of Tanjung Jati B	24	44	8	-	76
J a v a	10,162	3,848	266	1	21,629
PLN Head Office	392	1,823	354	3	2,572
PLN Supporting & Service Unit	718	842	129	-	1,689
PLN Construction Unit	1,270	1,536	113	2	2,921
Other Subsidiaries	-	-	-	-	1,011
I n d o n e s i a	31,300	13,660	1,096	6	54,820

Table 42 : Productivity of Employee

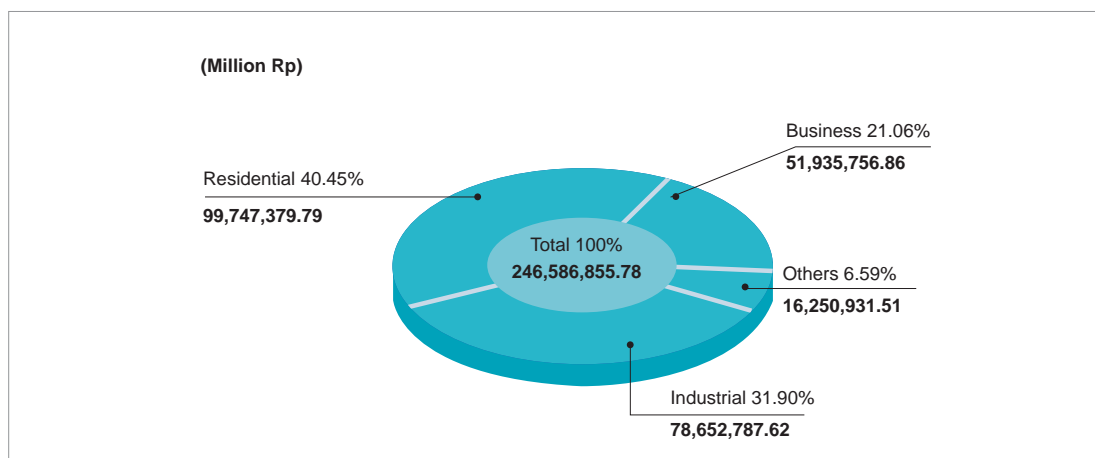
2017

PLN Operational Unit/Province	Customers per Employee	kWh Sold per Employee
Region of Aceh	1,225.5	2,172,326
Region of North Sumatera	2,265.5	6,323,993
Region of West Sumatera	1,283.5	3,243,390
Region of Riau	1,558.8	4,375,113
Region of South Sumatera, Jambi & Bengkulu	2,684.5	6,309,555
Region of Bangka Belitung	962.4	2,220,408
Distribution of Lampung	2,830.5	5,786,237
Region of West Kalimantan	825.5	1,785,932
Region of S & C Kalimantan	992.8	2,101,794
Region of East Kalimantan & North	857.2	2,836,788
Region of N, C Sulawesi & Gorontalo	891.0	1,853,914
Region of S, SE & W Sulawesi	1,218.5	2,823,565
Region of Maluku & North Maluku	514.1	874,498
Region of Papua	485.9	1,164,281
Distribution of Bali	1,567.0	5,978,349
Region of West Nusa Tenggara	1,163.9	1,622,389
Region of East Nusa Tenggara	694.9	886,269
Generation of Northern Part of Sumatera	-	-
Generation of Southern Part of Sumatera	-	-
Sumatera Trans. and Control Center	-	-
Outside Java	1,041.91	2,437,647
Dist. of East Java	4,124.9	12,800,807
Dist. of Central Java & Yogyakarta	5,239.8	12,257,039
Dist. of West Java	5,149.0	18,424,806
Dist. of Banten	3,559.0	26,312,464
Dist. of Jakarta Raya & Tangerang	2,385.3	17,948,457
PLN Head Office	-	-
PLN Supporting & Service Unit	-	-
PLN Construction Unit	-	-
J a v a	1,963.1	7,455,666
I n d o n e s i a (without Subsidiaries)	1,471.1	4,799,322
PT PLN Batam	780.1	5,233,797
PT Indonesia Power	-	-
PT Java Bali Genco	-	-
Other Subsidiaries	-	-
I n d o n e s i a	1,241.7	4,070,298

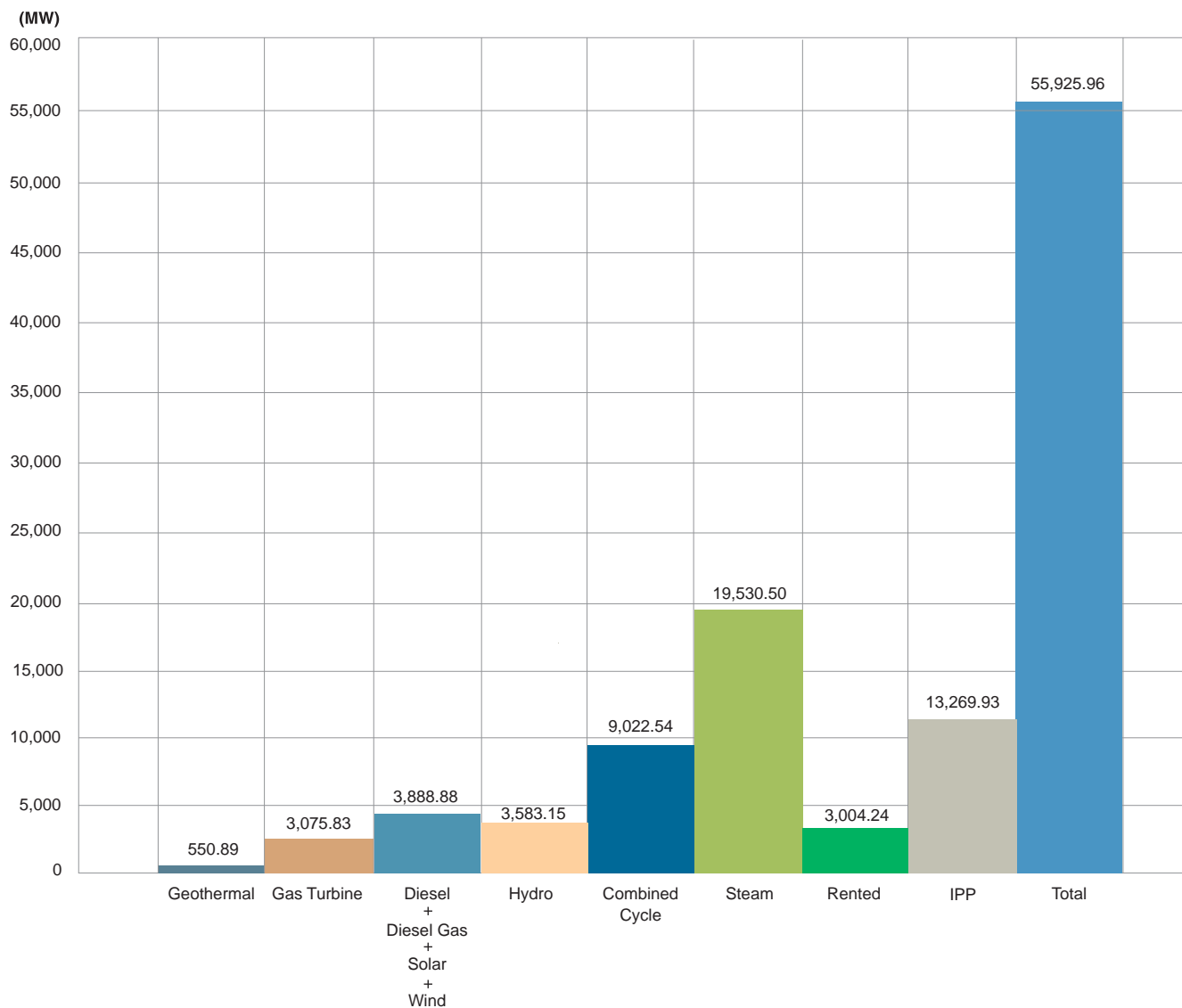
Graph 1. Energy Sold by Type of Customers (2017)



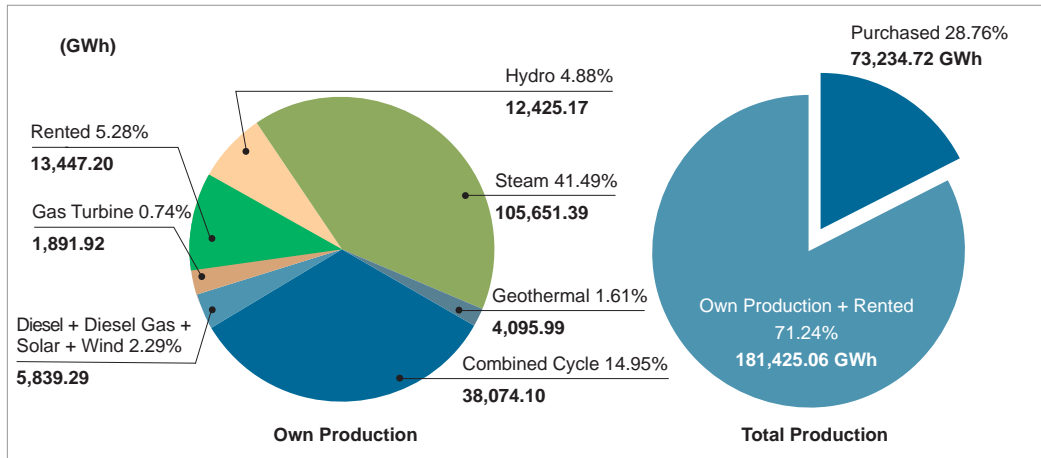
Graph 2. Revenue (2017)



Graph 3. Installed Capacity (2017)



Graph 4. Energy Production (2017)



Data Over Nine Years 2009-2017

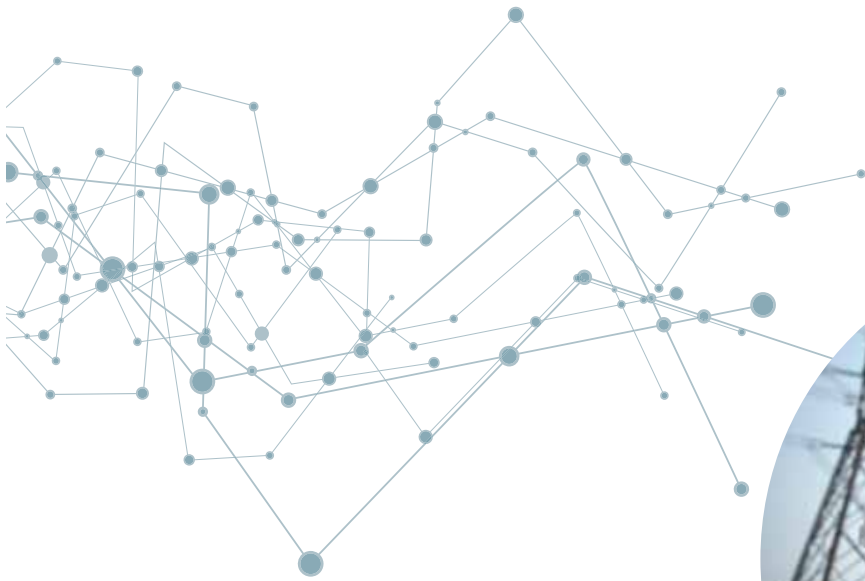


Table 43 : Load Factor, Capacity Factor and Demand Factor (%)

2009 - 2017

Year	Load Factor	Capacity Factor	Demand Factor
2009	76.37	53.71	29.81
2010	77.78	55.90	29.56
2011	78.53	55.67	28.37
2012	79.18	51.96	27.54
2013	80.04	54.72	26.50
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

Table 44 : Number of Customer by Type of Customers

2009 - 2017

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2009	37,099,830	47,900	1,879,429	861,067	114,971	114,488	40,117,685	3.28
2010	39,324,520	48,675	1,912,150	909,312	113,676	127,054	42,435,387	5.78
2011	42,577,542	50,365	2,049,361	963,766	120,246	133,865	45,895,145	8.15
2012	46,219,780	52,661	2,218,342	1,032,830	128,252	143,384	49,795,249	8.50
2013	50,116,127	55,546	2,418,431	1,110,450	137,762	157,892	53,996,208	8.44
2014	53,309,325	58,350	2,626,160	1,181,779	146,321	171,299	57,493,234	6.48
2015	56,605,260	63,314	2,894,990	1,261,516	156,782	186,118	61,167,980	6.39
2016	59,243,672	69,629	3,239,764	1,354,010	169,478	205,940	64,282,493	5.09
2017	62,543,434	76,816	3,579,364	1,460,546	182,874	225,249	68,068,283	5.89

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

2009 - 2017

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2009	30,699.90	14,790.21	12,710.06	2,252.72	1,672.67	768.23	62,893.78	4.67
2010	33,202.76	15,565.91	13,772.27	2,318.65	1,766.97	812.74	67,439.30	7.23
2011	37,182.63	17,477.84	15,236.22	2,558.54	1,894.82	838.80	75,188.86	11.49
2012	40,869.15	19,980.94	17,228.93	2,892.66	2,060.70	865.37	83,897.75	11.58
2013	45,214.25	21,544.30	19,931.50	3,247.82	2,247.51	909.47	93,094.85	10.96
2014	48,374.47	23,541.96	21,223.71	3,537.17	2,390.43	962.79	100,030.53	7.45
2015	51,654.89	25,024.02	22,477.28	3,861.60	2,560.54	1,003.91	106,582.24	6.55
2016	55,284.57	26,569.81	24,362.29	4,334.48	2,753.50	1,043.00	114,347.65	7.29
2017	59,257.37	27,584.67	26,197.72	4,897.48	2,979.73	1,100.67	122,017.63	6.71

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

2009 - 2017

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2009	54,945.41	46,204.21	24,825.24	3,384.36	2,334.66	2,888.11	134,581.98	4.31
2010	59,824.94	50,985.20	27,157.22	3,700.09	2,629.93	3,000.09	147,297.47	9.45
2011	65,111.57	54,725.82	28,307.21	3,993.82	2,786.72	3,067.52	157,992.66	7.26
2012	72,132.54	60,175.96	30,988.64	4,495.57	3,057.21	3,140.82	173,990.74	10.13
2013	77,210.71	64,381.40	34,498.38	4,939.04	3,260.71	3,250.78	187,541.02	7.79
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	93,634.63	68,145.32	40,074.38	6,630.79	4,021.61	3,497.59	216,004.32	8.76
2017	94,457.38	72,238.37	41,694.79	7,095.37	4,121.26	3,526.55	223,133.72	3.30

Table 47 : Average Energy Sold by Type of Customers (kWh)**2009 - 2017**

T a h u n	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2009	1,481	964,597	13,209	3,930	21,088	24,321	3,355
2010	1,521	1,047,462	14,202	4,069	23,135	23,613	3,471
2011	1,529	1,086,584	13,813	4,144	23,175	22,915	3,442
2012	1,561	1,142,704	13,969	4,353	23,838	21,905	3,494
2013	1,541	1,159,064	14,265	4,448	23,669	20,589	3,473
2014	1,577	1,129,540	13,816	4,609	23,811	19,812	3,454
2015	1,567	1,012,089	12,773	4,709	23,709	18,526	3,316
2016	1,581	978,692	12,370	4,897	23,729	16,984	3,360
2017	1,510	940,408	11,649	4,858	22,536	15,656	3,278

Table 48 : Revenue by Type of Customers (million Rp)**2009 - 2017**

Y e a r	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2009	32,380,858	29,771,205	22,116,854	1,955,366	2,032,044	1,915,773	90,172,100	7.03
2010	36,847,221	33,700,937	25,373,604	2,307,981	2,506,399	2,237,390	102,973,531	14.20
2011	40,235,456	38,059,555	26,921,435	2,581,448	2,618,957	2,428,002	112,844,853	9.59
2012	45,563,161	42,719,802	29,910,220	3,045,953	2,961,191	2,521,320	126,721,647	12.30
2013	53,434,178	51,270,326	38,520,052	3,738,259	3,561,415	2,961,376	153,485,606	21.12
2014	63,750,951	64,443,791	45,928,833	4,411,530	4,376,594	3,722,786	186,634,484	21.60
2015	74,228,270	73,225,020	47,485,994	4,826,716	4,923,417	5,155,124	209,844,540	12.44
2016	79,001,584	71,676,300	48,135,789	5,410,427	4,965,551	4,950,171	214,139,821	2.05
2017	99,747,380	78,652,788	51,935,757	5,827,691	5,269,214	5,154,027	246,586,856	15.15

Data Over Nine Years 2009 - 2017

Table 49 : Average Selling Price of Electricity by Type of Customers (Rp/kWh)

2009 - 2017

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2009	589.33	644.34	890.90	577.77	870.38	663.33	670.02
2010	615.92	660.99	934.32	623.76	953.03	745.77	699.09
2011	617.95	695.46	951.05	646.36	939.80	791.52	714.24
2012	631.66	709.91	965.20	677.54	968.59	802.76	728.32
2013	692.06	796.35	1,116.58	756.88	1,092.22	910.97	818.41
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

Table 50 : Number of Customers by Type of Voltage

2009 - 2017

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose/ Special Services		
2009	39,988,090	92,324	62	37,209	40,117,685	3.28
2010	42,395,817	30,763	60	8,747	42,435,387	5.78
2011	45,829,980	65,041	62	62	45,895,145	8.15
2012	49,683,110	112,008	63	68	49,795,249	8.50
2013	53,853,968	142,111	58	71	53,996,208	8.44
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

Table 51 : Energy Sold by Type of Voltage (GWh)**2009 - 2017**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose/ Special Services		
2009	77,899.57	44,459.34	10,898.28	1,324.79	134,581.98	4.31
2010	85,038.07	49,533.09	11,803.55	922.76	147,297.47	9.45
2011	91,159.20	53,535.71	12,802.62	495.15	157,992.68	7.26
2012	99,673.70	60,279.38	13,872.45	165.29	173,990.82	10.13
2013	106,119.04	67,287.71	13,945.16	189.15	187,541.06	7.79
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

Table 52 : Revenue by Type of Voltage (million Rp)**2009 - 2017**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose/ Special Services		
2009	51,987,115	30,623,517	6,156,149	1,405,319	90,172,100	7.03
2010	59,782,422	35,168,268	6,816,951	1,205,890	102,973,531	14.20
2011	64,294,933	40,848,085	7,701,835	-	112,844,853	9.59
2012	71,438,336	44,156,705	8,372,715	2,753,891	126,721,647	12.30
2013	84,313,921	55,756,540	9,345,648	4,069,498	153,485,607	21.12
2014	102,520,584	69,033,065	12,353,013	2,727,823	186,634,484	21.60
2015	117,631,504	77,659,563	13,254,127	1,299,347	209,844,541	12.44
2016	123,459,196	75,683,817	13,954,290	1,042,518	214,139,821	2.05
2017	147,582,478	80,555,694	16,620,063	1,828,621	246,586,856	15.15

Data Over Nine Years 2009 - 2017

Table 53 : Own Use and Energy Losses

2009 - 2017

Year	Own Use *)		Energy Losses & Own Use					
			Transmission		Distribution		Total	
	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)
2009	5,536.04	4.54	3,303.27	2.18	11,744.32	7.93	15,358.63	10.13
2010	5,641.05	4.24	3,700.11	2.25	12,253.71	7.64	16,260.19	9.89
2011	6,164.52	4.32	3,996.39	2.25	12,675.31	7.34	16,918.14	9.54
2012	6,563.37	4.38	4,732.21	2.44	13,115.05	6.95	18,221.77	9.40
2013	7,222.58	4.40	4,859.53	2.33	15,841.77	7.77	21,248.73	10.17
2014	7,842.25	4.47	5,224.63	2.37	16,198.66	7.52	22,005.98	9.97
2015	8,258.61	4.68	5,248.08	2.33	16,808.81	7.63	22,588.97	10.01
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

*) Own use for power station, substation and distribution transformer

Table 54 : Number of Generating Units *)

2009 - 2017

Year	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Solar	Wind	Total	Δ %
2009	201	49	63	59	9	4,626	4	-	3	5,014	0.16
2010	199	55	73	50	11	4,619	8	4	4	5,023	0.18
2011	213	59	71	61	10	4,842	4	8	1	5,269	4.90
2012	216	66	76	66	14	4,576	-	30	4	5,048	(4.19)
2013	220	71	77	66	14	4,422	-	50	4	4,925	(2.44)
2014 **)	224	97	81	65	15	4,471	-	56	6	5,015	1.83
2015 ***)	232	104	72	65	15	4,655	-	58	7	5,208	3.85
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

*) 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) *)**2009 - 2017**

Year	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Solar	Wind	Total	Δ %
2009	3,508.45	8,764.00	2,570.59	7,370.97	415.00	2,980.63	26.00	-	1.06	25,636.70	0.17
2010	3,522.57	9,451.50	3,223.68	6,951.32	438.75	3,267.79	38.84	0.19	0.34	26,894.98	4.91
2011	3,511.20	12,052.50	2,839.44	7,833.97	435.00	2,568.54	25.94	1.23	0.34	29,268.16	8.82
2012	3,515.51	14,445.50	2,973.18	8,814.11	548.00	2,598.64	-	6.20	0.34	32,901.48	12.41
2013	3,519.49	15,554.00	2,893.88	8,814.11	568.00	2,847.78	-	7.94	0.43	34,205.63	3.96
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	19,087.15	2,981.31	8,894.11	550.89	3,175.77	-	8.86	0.99	38,265.23	2.79
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	39,651.79	(0.33)

*) PLN's Power Plant

**) Revised Installed Capacity

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

Table 56 : Rated Capacity (MW) *)**2009 - 2017**

Year	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Solar	Wind	Total	Δ %
2009	3,419.05	7,976.65	2,236.66	6,340.60	394.00	1,669.11	10.50	-	1.06	22,047.63	2.17
2010	3,433.78	8,652.01	2,792.87	6,139.72	415.80	2,071.90	34.60	0.17	-	23,540.85	6.77
2011	3,430.11	10,844.21	2,357.43	6,817.82	434.00	1,555.20	10.00	1.15	-	25,449.92	8.11
2012	3,435.98	12,910.75	2,342.40	7,288.33	506.50	1,597.24	-	4.66	-	28,085.86	10.36
2013	3,220.90	13,563.65	2,543.84	7,300.91	546.50	1,827.73	-	7.24	-	29,010.77	3.29
2014 **)	3,444.07	16,032.57	2,533.82	7,722.33	549.00	1,685.64	-	7.48	0.02	31,974.93	8.76
2015 **)	3,473.17	16,606.74	2,486.42	7,736.23	516.44	1,902.77	-	6.55	0.02	32,728.33	2.36
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	-	33,931.83	(1.57)

*) PLLN's Power Plant

**) Revised Rated Capacity

Data Over Nine Years 2009 - 2017

Table 57 : Energy Production (GWh)

2009 - 2017

Year	Own Generated											Purchased	Total	Δ %
	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Wind	Solar	Rented	Sub Total			
2009	10,306.91	52,963.84	7,818.01	34,746.69	3,504.47	6,093.74	-	0.05	0.10	5,194.53	120,628.34	36,168.92	156,797.26	4.93
2010	15,827.35	54,407.02	7,861.70	36,811.70	3,398.02	5,096.98	73.56	0.02	0.50	8,233.21	131,710.07	38,076.16	169,786.23	8.28
2011	10,315.55	62,335.23	8,246.22	40,409.68	3,487.39	4,010.94	47.67	0.72	-	13,885.67	142,739.07	40,681.87	183,420.94	8.03
2012	10,524.61	73,823.06	5,668.01	34,568.51	3,557.54	3,484.45	55.12	2.85	-	18,070.82	149,754.97	50,562.62	200,317.59	9.21
2013	13,009.55	80,926.10	5,916.51	36,423.42	4,345.09	3,212.13	381.75	5.48	-	19,745.72	163,965.75	52,222.79	216,188.54	7.92
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	1,232.81	-	5.28	19,841.58	176,472.23	57,509.77	233,982.00	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

Table 58 : Consumption of Fuel

2009 - 2017

Year	Oil (kilo litre)					Coal (ton)	Natural Gas (MMSCF)
	HSD	IDO	MFO	Other Fuel Mix*)	Total		
2009	6,365,116	11,132	3,032,657	-	9,408,905	21,604,464	266,539
2010	6,887,455	6,895	2,430,584	-	9,324,934	23,958,699	283,274
2011	8,943,880	13,923	2,509,047	-	11,466,850	27,434,163	285,722
2012	6,625,335	4,065	1,585,395	-	8,214,795	35,514,791	365,927
2013	6,291,667	3,221	1,179,604	-	7,474,492	39,601,034	409,890
2014	6,330,517	3,849	1,096,638	-	7,431,005	44,604,981	450,190
2015	4,377,056	2,244	904,266	195,297	5,478,863	48,995,169	456,494
2016	3,331,125	915	947,027	387,965	4,667,032	50,556,446	505,125
2017	2,579,123	580	718,462	300,058	3,598,223	54,711,847	447,072

*) Including biodiesel, olein, and etc.

Table 59 : Unit Price of Fuel**2009 - 2017**

Year	Oil (Rp/litre *)				Coal (Rp/kg)	Natural Gas (Rp/MMSCF)	Geothermal (Rp/kWh)
	HSD	IDO	MFO	Average			
2009	5,601.07	5,552.33	4,315.86	5,186.76	732.32	37,998.48	559.63
2010	6,050.35	5,870.37	5,150.42	5,815.65	656.71	42,287.16	653.52
2011	8,513.27	8,229.36	7,027.21	8,188.09	698.62	39,867.31	737.04
2012	8,949.35	8,954.18	7,319.67	8,629.80	746.22	63,757.56	693.05
2013	9,446.64	9,149.48	7,604.40	9,127.05	938.56	92,185.45	858.48
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

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

Table 60 : Length of Transmission Lines (kmc)**2009 - 2017**

Year	Voltage					Total	% Growth
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV		
2009	11.97	4,642.18	24,191.60	1,011.39	5,092.00	34,949.14	2.24
2010 *)	11.20	4,724.28	24,379.76	1,011.39	4,923.00	35,049.63	0.29
2011	11.96	4,456.69	26,170.79	1,028.30	5,052.00	36,719.74	4.76
2012	7.56	4,228.39	27,780.04	1,028.30	5,052.00	38,096.29	3.75
2013	4.16	4,112.36	28,851.27	1,374.30	5,053.00	39,395.09	3.41
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

*) Revised data

Data Over Nine Years 2009 - 2017

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

2009 - 2017

Year	Medium Voltage			Total	Low Voltage
	6 - 7 kV	10 - 12 kV	15 - 20 kV		
2009	278.32	2,968.84	265,364.71	268,611.87	370,905.36
2010	72.73	-	275,540.58	275,613.31	406,149.04
2011	57.74	242.26	288,419.36	288,719.36	390,704.94
2012	55.38	242.86	312,751.82	313,050.06	428,906.52
2013	54.17	1.75	329,409.29	329,465.21	469,478.92
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	-	-	401,959.41	401,959.41	626,720.04

*) Revised Data for 2014 and 2015

Data Over Nine Years 2013 - 2017

Table 62 : Balance Sheet (million Rp)

2013 - 2017

Description	2017	2016 **)	2015 *)	2014 *)	2013*)
FIXED ASSET					
- Total Fixed Asset	1,129,128,795.00	1,086,392,644.58	1,133,420,742	598,974,636	561,985,697
- Accumulated Despreciation	(69,856,860.00)	(45,898,346.66)	(51,665,214)	(193,064,264)	(170,649,245)
Total Fixed Asset (Net)	1,059,271,935	1,040,494,298	1,081,755,528	405,910,372	391,336,453
Work in Progres	145,296,494.00	105,035,230	104,984,687	94,901,088	95,738,736
Other Assets	19,909,825.00	14,104,322.00	15,754,257.03	11,852,722.51	10,169,044.92
Long Term Investment		-	-	-	-
Inclusion	6,878,498.00	3,829,982.00	3,174,698.00	2,572,593.00	2,029,066.00
Deferred Tax Assets	9,566,473.00	9,882,003.00	29,088,271.00	6,688,983.75	8,279,554.76
Receivables from Related Parties	237,181.00	263,064.00	268,647.00	98,829.00	176,032.00
CURRENT ASSETS					
- Cash & Bank	42,291,959.00	41,909,223.00	23,596,339.00	27,111,528.00	25,529,969.00
- Government Subsidy	7,588,977.00	12,446,110.00	17,501,009.00	19,280,861.00	21,793,929.00
- Temporary Investment	286,697.00	374,771.00	120,059.00	100,696.00	97,667.00
- Receivable	24,139,080.00	24,122,345.00	20,315,908.00	20,361,815.00	20,322,053.00
- Inventories	12,828,118.00	11,569,596.00	11,415,863.00	11,607,860.00	11,343,464.00
- Other Current Assets	6,662,420.00	8,147,032.00	6,395,615.00	6,960,978.00	5,750,098.00
Total Current Assets	93,797,251	98,569,077	79,344,793	85,423,738	84,837,180
TOTAL ASSETS	1,334,957,657	1,272,177,975	1,314,370,881	607,448,327	592,566,066
EQUITY	869,416,604.00	878,399,457	804,790,617	153,303,816	143,290,113
DEFERRED REVENUE		-	-	-	-
LONG TERM LIABILITIES					
- Deferred Tax	2,066,363.00	59,725.00	5,475.00	3,752,797.00	3,902,785.00
- Long Term Liabilities	31,485,476.00	29,133,755.79	29,205,236.00	26,453,073.00	29,498,060.00
- Bond Payable	100,440,360.00	68,824,683.00	80,043,338.00	81,672,556.00	81,017,989.00
- Customer Deposit		-	-	-	-
- Other Long Term Liabilities	15,713,269.00	17,933,075.00	149,621,763.00	128,096,528.00	129,718,551.00
- Taxes Payable on Revaluation		-	-	-	-
- Electricity Purchase Payable	133,201,905.00	115,093,812.00	93,187,087.00	85,532,343.00	82,048,995.00
- Employee Benefit Obligation	43,559,022.00	41,110,112.00	37,378,472.00	41,078,935.97	33,783,614.53
Total Long Term Liabilities	326,466,395	272,155,163	389,441,371	366,586,233	359,969,995
SHORT TERM LIABILITIES	139,074,658.00	121,623,355	120,138,893	87,558,277	89,305,959
TOTAL EQUITY & LIABILITIES	1,334,957,657	1,272,177,975	1,314,370,881	607,448,326	592,566,067

Note :

*) Financial Report 2013, 2014 and 2015, used ISAK 8

**) Restate of financial report 2016

Data Over Nine Years 2013 - 2017

Table 63 : Profit and Loss (million Rp)

2013 - 2017

Description	2017	2016 (***)	2015 (**)	2014*)	2013
OPERATION REVENUE					
- Electricity Sales	246,586,856	214,139,834	209,844,541	186,634,484	153,485,606
- Connection Fees	7,113,454	7,052,136	6,141,335	5,623,913	6,027,799
- Government Subsidiary	45,738,215	58,043,265	56,552,532	99,303,250	101,207,859
- Others	1,594,933	1,629,986	1,361,114	1,159,544	1,125,778
Total Operation Revenue	301,033,458	280,865,222	273,899,522	292,721,191	261,847,042
OPERATION COST					
- Electricity Purchase	79,018,802	66,274,504	12,486,381	53,517,212	10,507,935
- Fuel & Lubricant Oil	116,947,824	109,492,383	138,408,315	153,136,934	147,633,751
- Maintenance	19,515,606	21,226,736	21,861,310	16,611,461	19,839,465
- Personnel	23,124,511	22,659,965	20,321,137	16,645,797	15,555,063
- Depreciation	29,160,597	27,512,150	25,406,856	19,911,211	21,893,665
- Others	7,706,754	7,284,064	7,090,077	5,488,617	5,481,268
Total Operation Cost	275,474,094	254,449,802	225,574,076	265,311,232	220,911,147
PROFIT (LOSS) FROM OPERATION	25,559,364	26,415,419	48,325,446	27,409,959	40,935,895

*) Restate of Financial Statement Using ISAK 27

**) Data ISAK 8

***) Restate of financial report 2016

Table 64 : Fixed Asset & Depreciation (million Rp)

2013 - 2017

Year	Saldo	Accumulated Depreciation	Book Value
2013	561,985,697.48	170,649,244.61	391,336,452.87
2014	598,974,636.42	193,064,264.04	405,910,372.38
2015	1,028,107,313.10	18,579,384.39	1,009,527,928.71
2016	706,313,755.01	33,796,573.46	672,517,181.55
2017	1,274,137,550.65	116,186,481.50	1,157,951,069.15

Table 65 : Accounts Receivable (million Rp)**2013 - 2017**

Year	Public	Armed Forced	Non Armed Forced	Local Government	BUMN	Total
2013	13,842,868.33	339,872.34	218,005.85	554,161.61	409,167.09	15,364,075.22
2014	17,031,942.69	455,731.61	276,433.49	798,016.32	584,801.85	19,146,925.96
2015	17,248,565.63	430,669.90	295,618.58	834,308.66	531,635.60	19,340,798.37
2016	20,475,894.69	603,381.57	287,610.55	833,577.53	568,122.63	22,768,586.97
2017	21,327,841.68	634,603.77	281,082.56	814,316.78	522,093.82	23,579,938.62

Table 66 : Sales, Accounts Receivable and Average Collection Rate**2013 - 2017**

Year	Sales (Million Rp)	Account Receivable *) (Million Rp)	Average (day)
2013	153,485,606.31	15,364,075.22	36.54
2014	186,634,484.31	19,146,925.96	37.45
2015	209,844,540.77	19,340,798.37	33.64
2016	214,139,821.41	22,768,586.97	38.81
2017	246,586,855.78	23,579,938.62	34.90

*) Including PLN Head Office

Data Over Nine Years 2013 - 2017

Table 67 : Generation Cost (million Rp)

2013 - 2017

Year	Hydro	Steam	Diesel	Gas	Geothermal	Combined Cycle	Solar	Total
2013	2,168,221.59	58,227,841.65	49,114,692.52	17,479,043.27	4,794,821.53	42,222,186.70	-	174,006,807.26
2014	2,112,022.86	64,828,004.01	59,041,171.65	15,753,283.85	5,600,458.56	50,849,452.45	-	198,184,393.39
2015	2,112,864.50	51,910,454.98	33,995,897.31	11,383,094.48	3,863,825.85	40,833,899.69	34,976.64	144,135,013.45
2016	3,775,539.87	51,722,240.34	25,488,964.86	12,016,547.88	4,022,888.00	45,473,117.15	34,244.97	142,533,543.07
2017	3,846,135.69	85,229,933.45	24,682,248.24	19,090,127.26	8,110,645.64	41,683,846.07	34,670.37	182,677,606.72

Table 68 : Average Generation Cost (Rp/kWh)

2013 - 2017

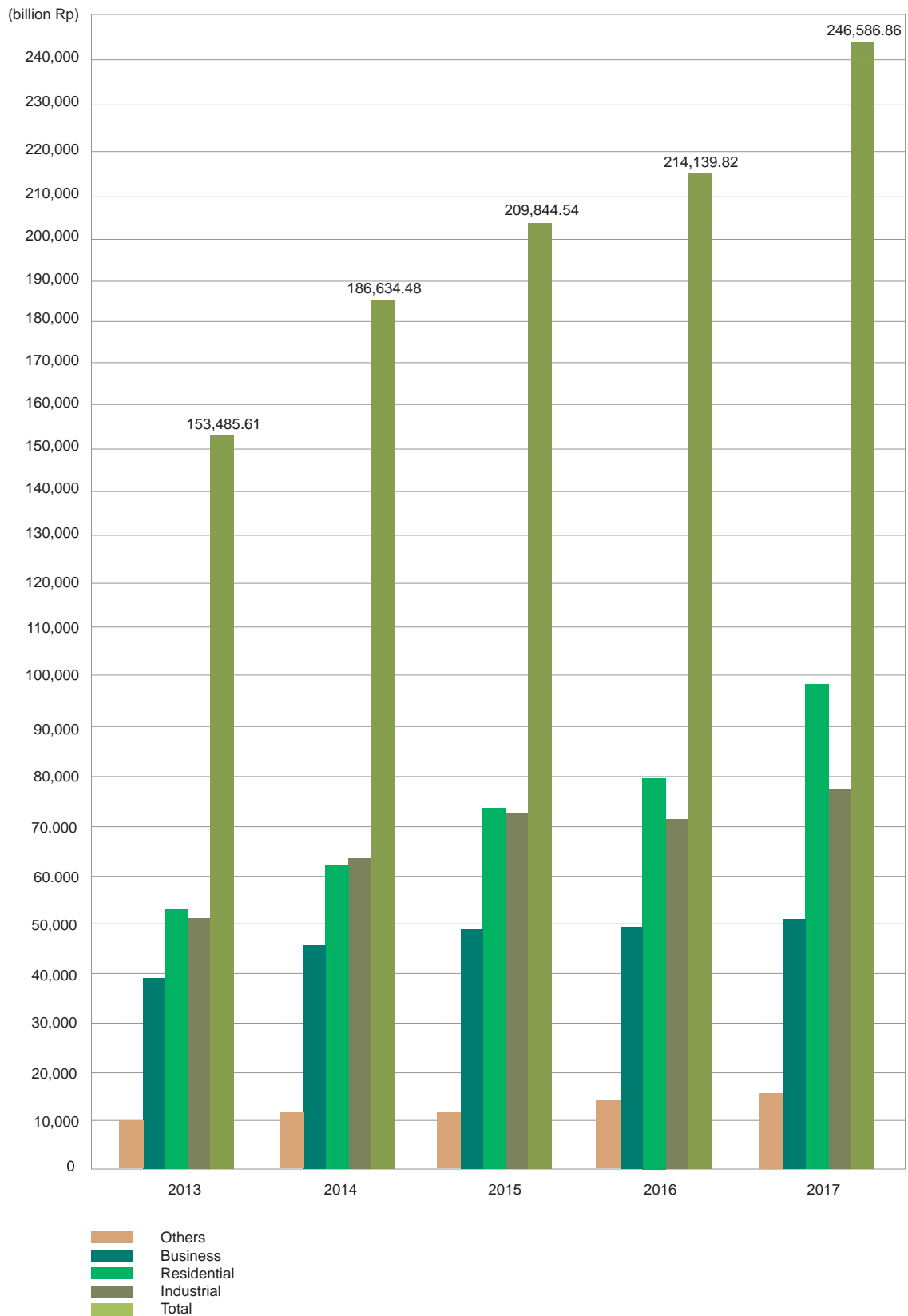
Year	Hydro	Steam	Diesel	Gas	Geothermal	Combined Cycle	Solar	Average
2013	166.66	719.52	3,286.13	2,954.28	1,103.50	1,159.20	-	1,206.67
2014	189.19	726.37	3,064.30	2,892.80	1,306.88	1,335.74	-	1,296.73
2015	211.19	541.78	7,969.86	3,306.22	879.83	1,054.99	6,624.36	920.22
2016	271.90	532.38	1,828.39	3,103.64	1,016.37	1,085.07	5,853.84	856.28
2017	309.54	806.71	1,879.85	10,090.35	1,980.14	1,094.81	6,269.51	1,087.51

Table 69 : Financial Ratios**2013 - 2017**

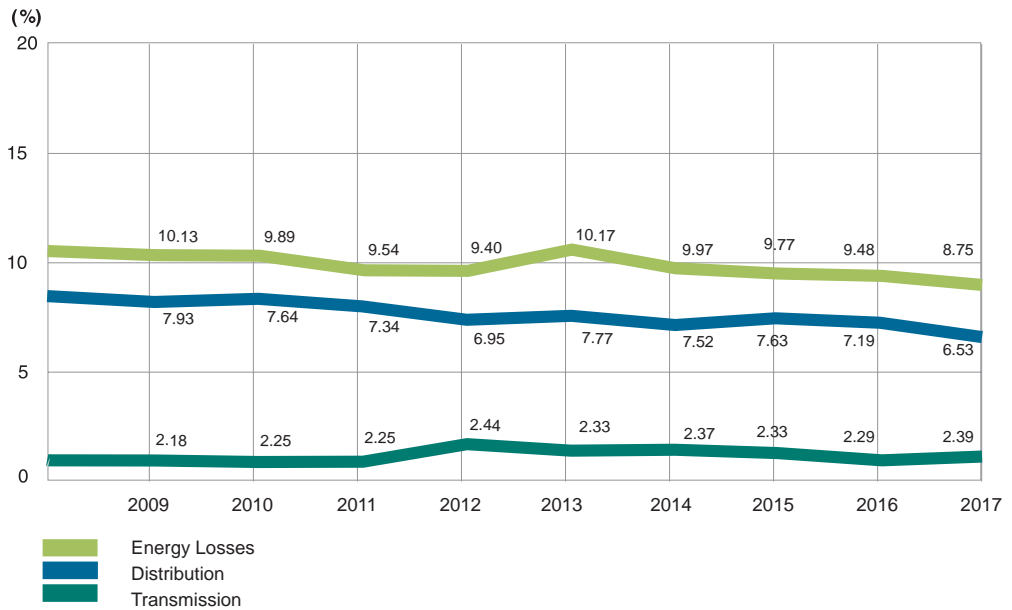
Indicator	Unit	2017	2016	2015	2014	2013
I. Financial Indicator						
- Cash Ratio	%	0.30	0.34	0.20	0.32	0.29
- Rentability Ratio	%	0.51	1.20	1.84	7.48	(4.65)
- Solvability Ratio	%	34.87	30.95	30.89	65.31	66.73
- Liquidity Ratio	%	67.44	81.05	67.81	99.88	96.87
II. Financial Covenant *)						
- CICR	Times	3.19	2.98	2.99	3.14	3.61
- Financial Liabilities to Total Assets	%	22.71	20.31	20.54	43.27	45.76
- EBITDA Interest Coverage Ratio	Times	3.05	2.97	2.94	2.98	3.56
III. Operating Activity (Financial)						
- Fixed Assets Turnover	Times	0.21	0.19	0.27	0.43	0.37
- Average Period of Receivable Collection	Day	32.70	35.41	34.20	34.41	33.55
- Receivable Turnover	Times	11.16	10.31	10.67	10.61	10.88
- Material Turnover	Times	1.07	1.39	1.44	1.25	1.16

*) For Calculating Financial Covenant based on Financial Report with excluding the impact of ISAK 8 as stated on Global Bonds and Trustee Local Bond Agreement

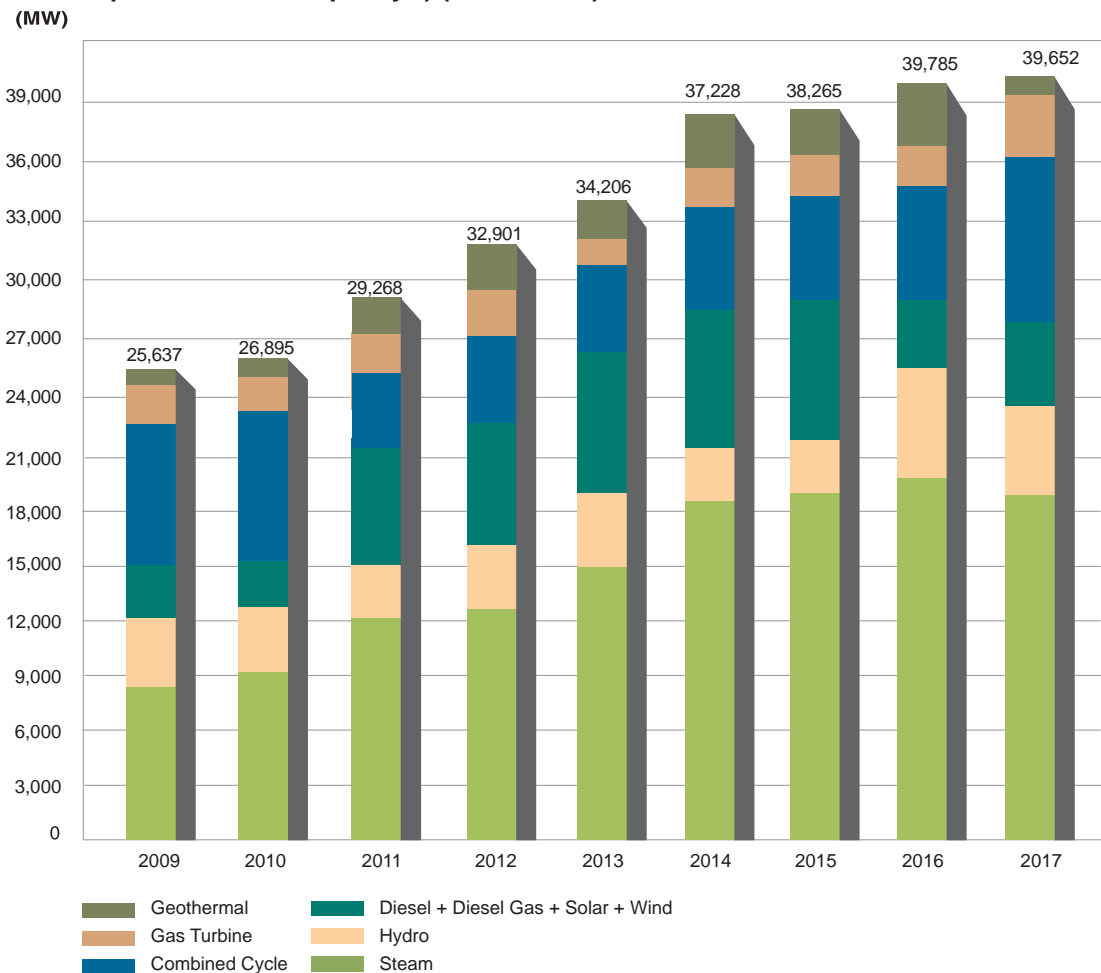
Graph 5. Revenues (2013 - 2017)



Graph 6. Energy Losses (2009 - 2017)

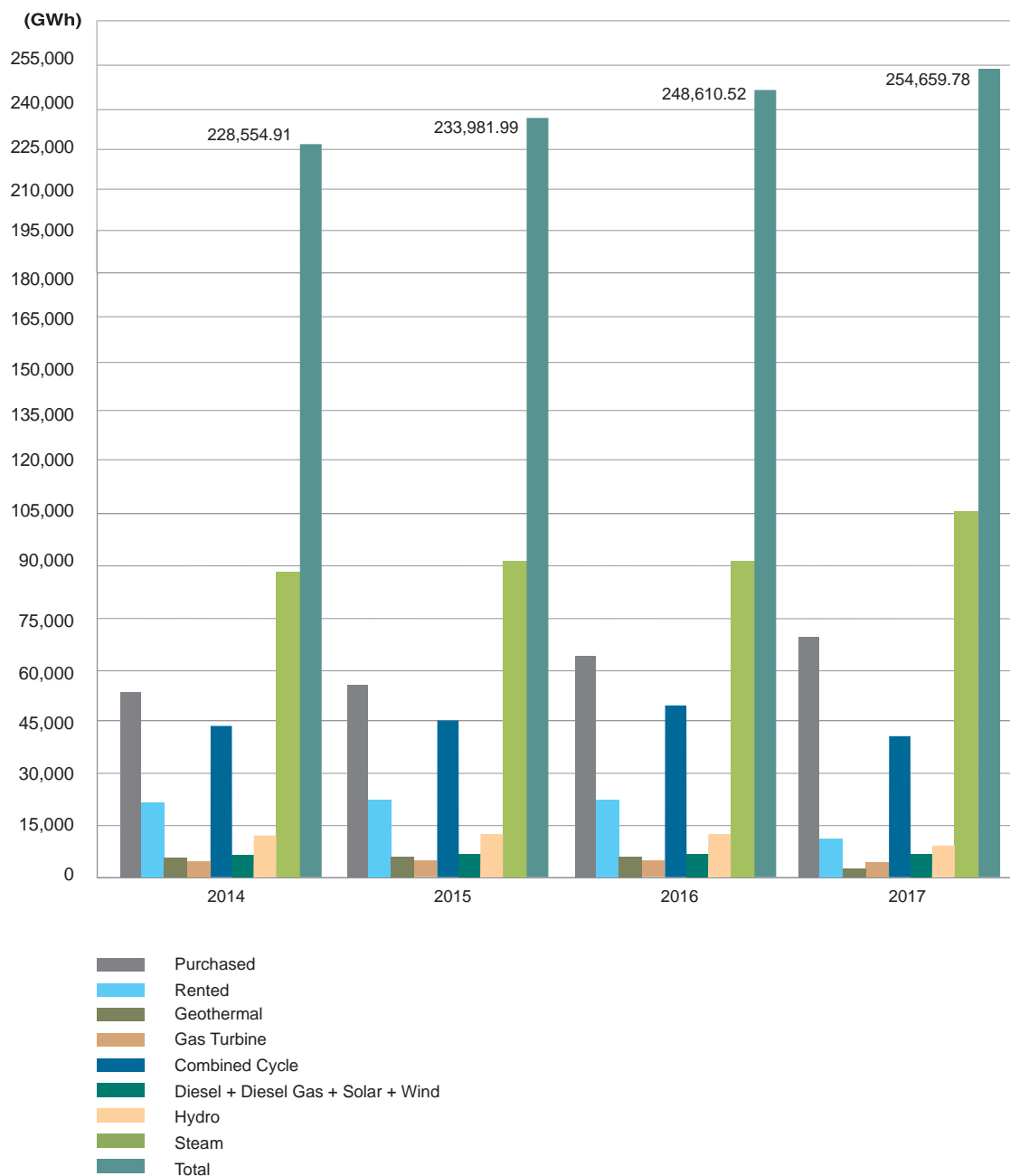


Graph 7. Installed Capacity *) (2009 - 2017)



*) PLN's Power Plant

Graph 8. Energy Production (2014 - 2017)



End of Five Year (Development Plan Data)



End of Five Year Development Plan Data

Table 70 : Number of Customers

2017

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 2017
- Residential	913,940	1,584,851	4,046,692	8,665,543	14,191,414	24,902,763	62,543,434
- Industrial	7,145	8,087	16,879	27,773	38,769	43,088	76,816
- Business	78,080	145,588	239,277	356,942	514,816	847,940	3,579,364
- Others	32,977	44,721	103,229	225,680	412,410	639,698	1,868,669
Total	1,032,142	1,783,247	4,406,077	9,275,938	15,157,409	26,433,489	68,068,283

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

2017

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2017
- Residential	3.05	11.64	20.62	16.45	8.00	10.97	4.82
- Industrial	(0.55)	2.51	15.85	10.47	4.20	1.62	3.10
- Business	7.17	13.27	10.45	8.33	6.53	11.89	6.98
- Others	10.75	6.28	18.21	16.93	10.36	8.94	5.68
Total	3.51	11.56	19.83	16.05	8.00	10.93	4.94

*) to the end of year 1999

Table 72 : Connected Capacity (MVA)

2017

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 2017
- Residential	398.66	992.56	2,648.60	5,397.11	8,914.86	15,887.50	59,257.37
- Industrial	422.55	973.92	1,857.77	4,080.31	7,781.84	10,698.91	27,584.67
- Business	141.06	307.91	770.00	1,382.57	2,780.64	5,665.04	26,197.72
- Others	114	184.66	850.29	1,373.75	1,758.99	2,344.39	8,977.87
Total	1,076.27	2,459.05	6,126.66	12,233.74	21,236.33	34,595.84	122,017.63

End of Five Year Development Plan Data

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

2017

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2017
- Residential	10.81	20.01	21.69	15.30	8.27	11.93	6.65
- Industrial	18.24	18.18	13.79	17.04	9.50	5.90	5.04
- Business	9.33	16.90	20.12	12.42	12.18	14.20	8.10
- Others	8.06	10.13	35.72	10.07	3.68	5.43	7.59
Total	12.81	17.97	20.03	14.83	8.74	9.73	6.57

*) to the end of year 1999

Table 74 : Energy Sold (GWh)

2017

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 2017
- Residential	1,077.30	1,962.20	4,291.50	7,274.63	13,140.74	24,865.45	94,457.38
- Industrial	596.00	1,443.40	3,435.90	9,052.24	19,560.98	27,995.54	72,238.37
- Business	220.90	430.90	1,002.50	1,740.14	3,774.97	8,655.96	41,694.79
- Others	320.80	450.40	1,269.80	1,925.83	2,485.34	3,744.46	14,743.18
Total	2,215.00	4,286.90	9,999.70	19,992.84	38,962.03	65,261.41	223,133.72

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

2017

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2017
- Residential	9.68	12.74	16.94	11.13	10.61	13.25	6.42
- Industrial	21.20	19.35	18.94	21.38	11.36	8.54	3.94
- Business	13.25	14.30	18.39	11.66	13.73	17.04	7.68
- Others	12.38	7.02	23.03	8.69	3.52	7.61	7.25
Total	12.96	14.12	18.46	14.86	10.70	11.09	5.73

*) to the end of year 1999

Table 76 : Energy Losses (%)**2017**

Function	First Year FYDP II (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 2017
Transmission	3.90	3.50	3.90	3.01	2.54	2.35	2.39
Distribution	19.90	18.30	16.90	13.87	9.99	9.99	6.53
Total	23.80	21.80	20.80	16.88	12.53	12.34	8.75

Table 77 : Installed Capacity (MW)**2017**

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 2017
- Hydro	278.77	349.67	536.44	1,969.57	2,178.75	3,006.76	3,583.15
- Steam	225.00	556.25	1,556.25	3,416.95	4,690.60	6,770.60	19,530.50
- Gas Turbine	42.00	882.07	1,027.92	1,233.68	995.92	1,347.41	3,075.83
- Combined Cycle	-	-	-	-	3,411.31	6,560.97	9,022.54
- Geothermal	-	-	30.00	140.00	195.00	360.00	550.89
- Diesel***)	230.31	500.40	784.39	1,769.02	2,128.46	2,535.02	3,880.02
- Diesel Gas*)	-	-	-	-	-	-	-
- Wind**)	-	-	-	-	-	-	0.88
- Solar	-	-	-	-	-	-	7.98
Total	776.08	2,288.38	3,934.99	8,529.22	13,600.05	20,580.76	39,651.79

*) Since year 2004

**) Since year 2007

***) The installed capacity of diesel including diesel gas

Table 78 : Average Growth Rate of Installed Capacity per Year (%)**2017**

Type of Generating	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000 - 2017
- Hydro	9.90	2.90	10.72	29.71	2.00	5.81	0.96
- Steam	12.50	2.13	44.16	17.03	3.51	6.59	6.06
- Gas Turbine	-	81.57	4.40	3.72	(4.19)	7.58	5.35
- Combined Cycle	-	-	-	-	60.19	11.20	1.53
- Geothermal	-	-	-	36.08	6.85	11.25	2.39
- Diesel	3.90	14.91	11.19	17.66	3.47	3.88	2.36
- Diesel Gas **)	-	-	-	-	-	-	-
- Wind***)	-	-	-	-	-	-	-
- Solar	-	-	-	-	-	-	-
Total	9.30	24.12	11.45	16.73	8.40	7.48	3.66

*) to the end of year 1999

**) Since year 2004

***) Since year 2007

End of Five Year Development Plan Data

Table 79 : Energy Production (GWh)

2017

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 2017
Own Production :							
- Hydro	1,029.58	1,384.28	1,816.27	5,226.86	7,858.66	9,649.00	12,425.17
- Steam	713.45	1,523.10	7,365.49	14,218.38	21,784.23	30,512.37	105,651.39
- Gas Turbine	158.32	1,156.73	1,065.60	1,581.98	2,609.44	1,395.50	1,891.92
- Combined Cycle	-	-	-	-	7,794.75	24,940.78	38,074.10
- Geothermal	-	-	209.31	1,011.96	1,090.00	2,616.80	4,095.99
- Diesel	467.90	845.53	1,654.13	2,900.87	4,331.51	5,306.55	5,833.76
- Diesel Gas	-	-	-	-	-	-	-
- Wind	-	-	-	-	-	-	-
- Solar	-	-	-	-	-	-	5.53
- Rented	-	-	-	-	-	543.61	13,447.20
Sub Total	2,369.25	4,909.63	12,110.81	24,940.05	45,468.59	74,964.61	181,425.07
Purchased	636.73	813.18	1,281.02	682.71	1,250.17	2,938.76	73,234.72
Total Production	3,005.98	5,722.82	13,391.83	25,622.75	46,718.76	77,903.37	254,659.78

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

2017

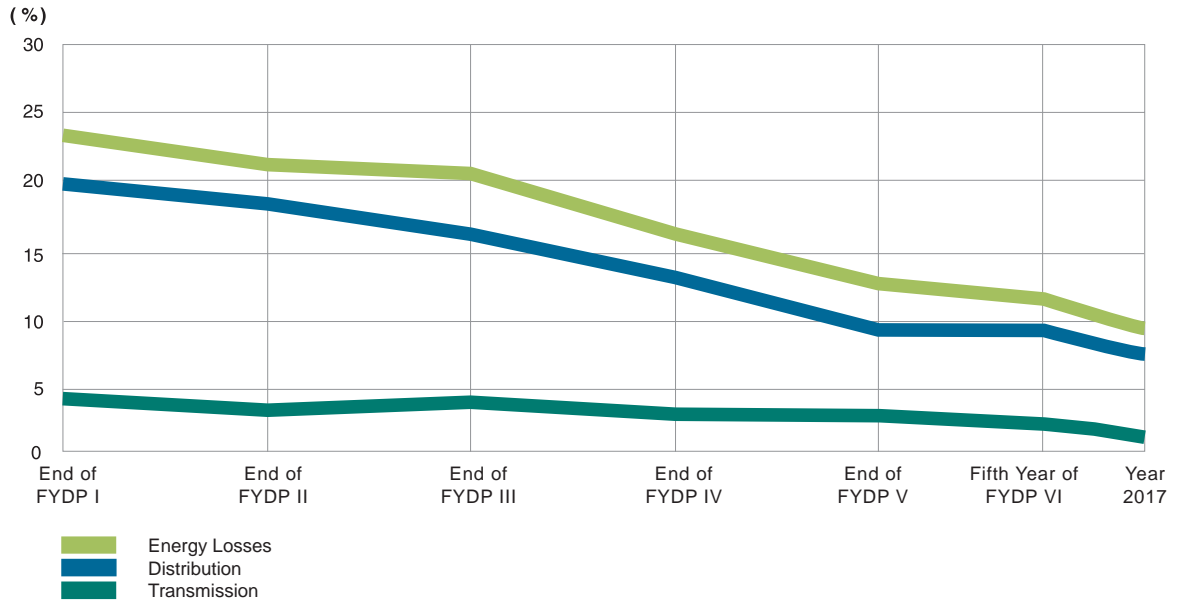
Production	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000 - 2017
Own Production :							
- Hydro	6.33	6.10	5.58	23.54	3.43	3.11	1.74
- Steam	20.05	16.37	37.05	14.06	5.73	8.05	5.78
- Gas Turbine	16.15	48.85	(1.63)	8.22	12.40	(8.61)	2.32
- Combined Cycle	-	-	-	-	109.54	24.15	2.06
- Geothermal	-	-	-	37.05	1.60	17.30	2.45
- Diesel	12.18	12.56	14.36	11.89	6.53	3.66	0.16
- Diesel Gas **)	-	-	-	-	-	-	-
- Wind***)	-	-	-	-	-	-	-
- Solar ***)	-	-	-	-	-	-	-
- Rented	-	-	-	-	-	-	17.97
Sub Total	11.39	15.69	19.79	15.54	9.61	10.44	4.36
Purchased	11.19	5.01	9.52	(11.83)	8.38	23.86	12.26
Total Production	11.34	13.74	18.53	13.86	9.58	10.92	5.74

*) To the end of year 1999

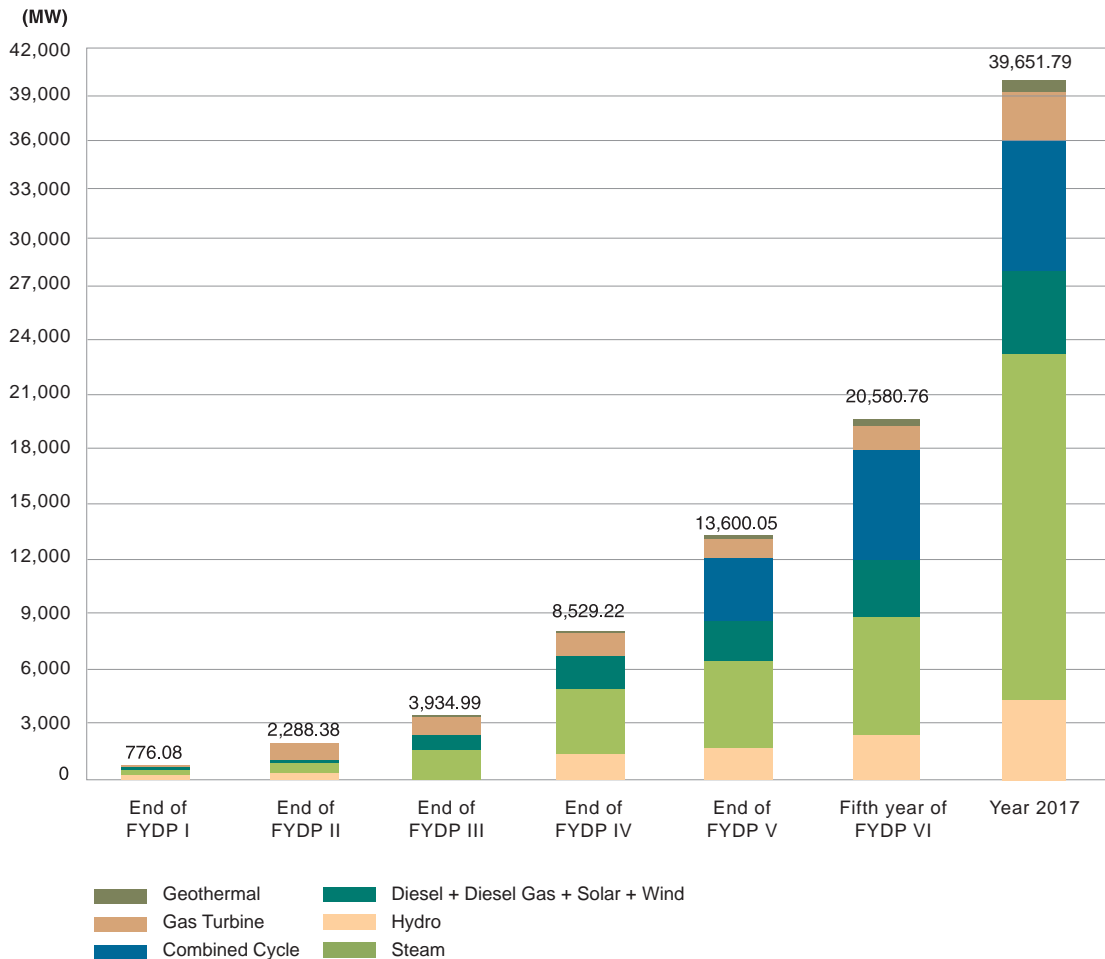
**) Since year 2004

***) Since year 2007

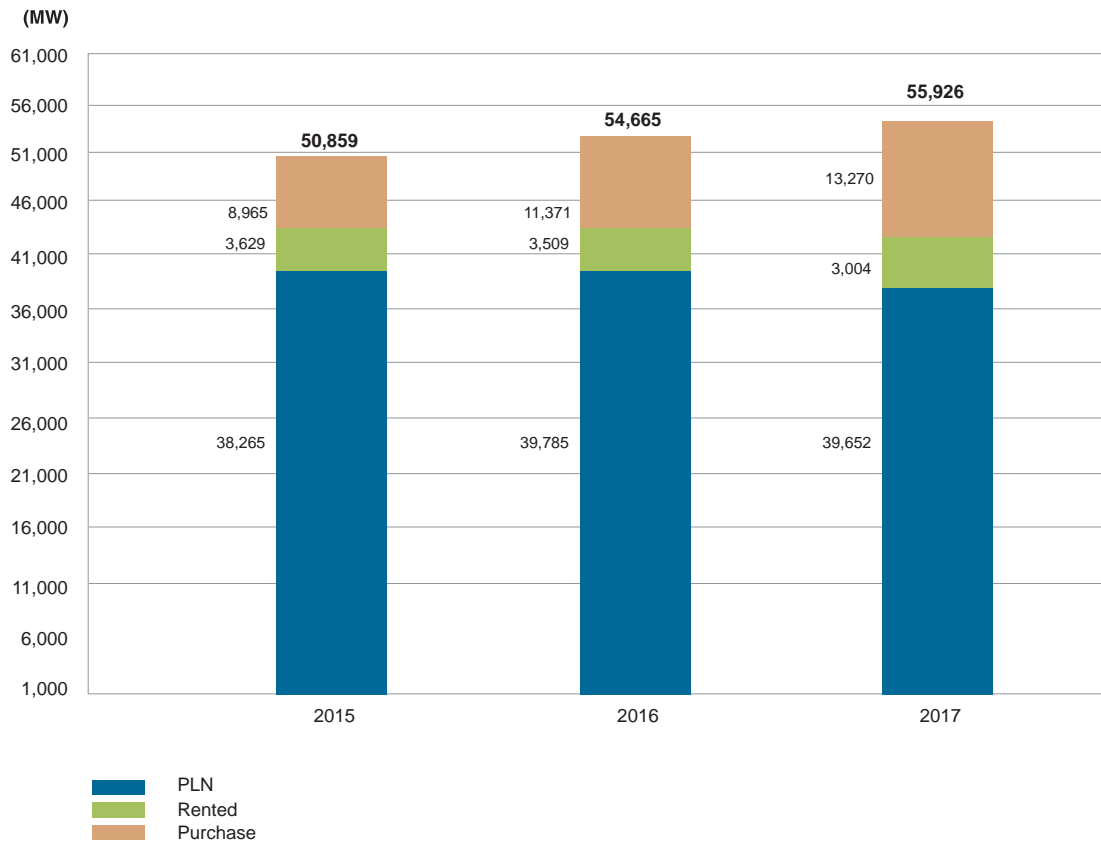
Graph 9. Energy Losses



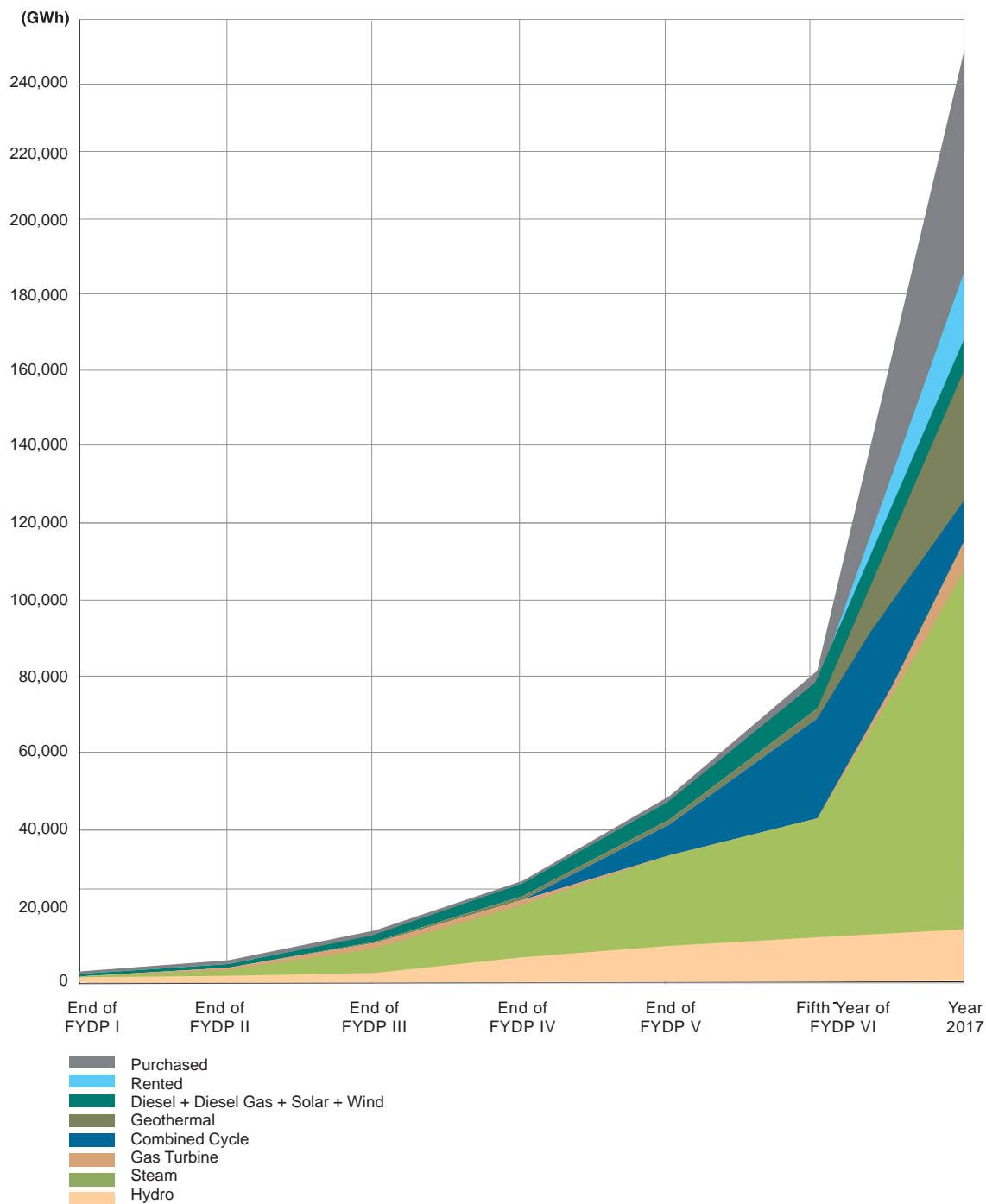
Graph 10. Installed Capacity



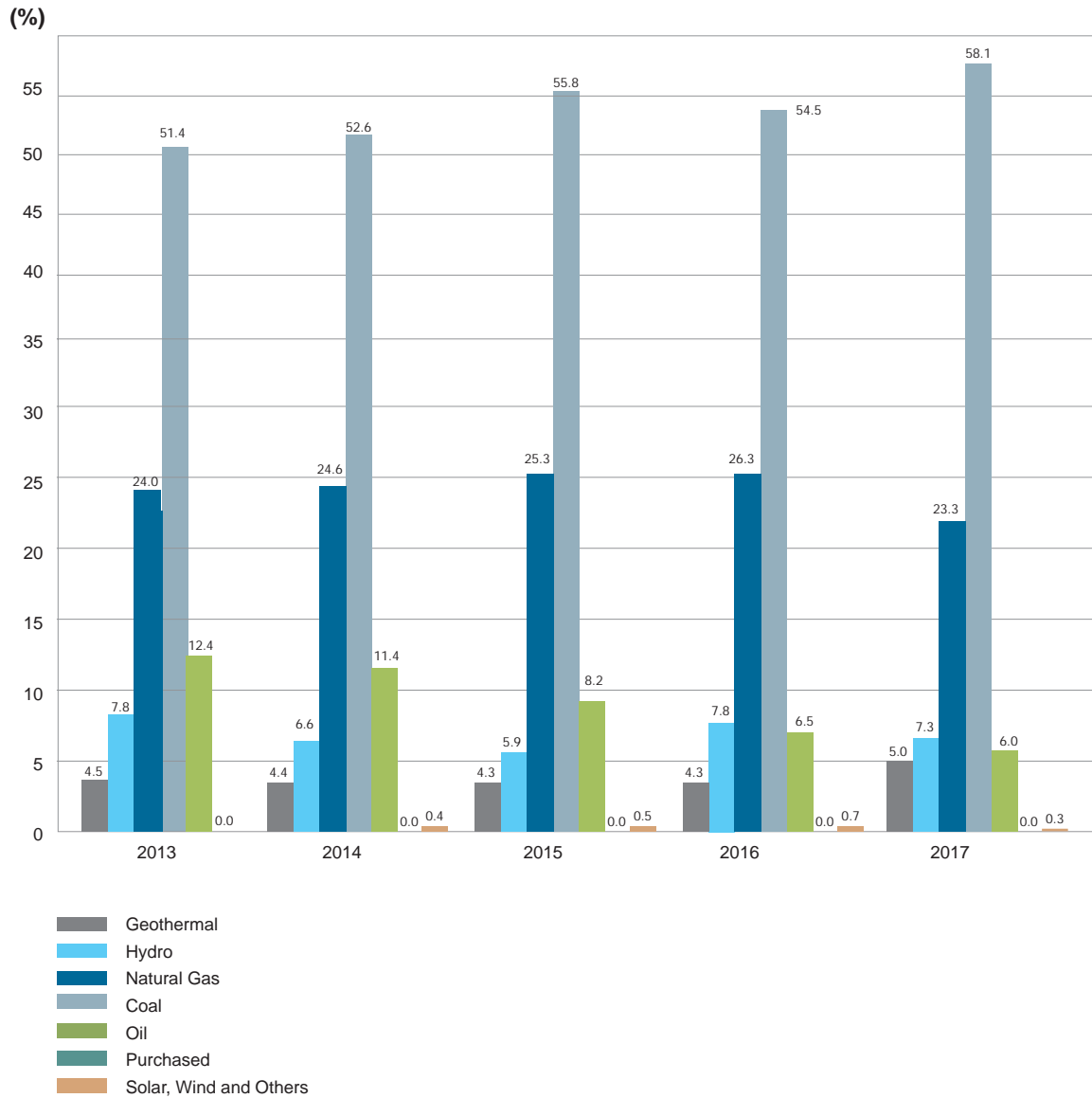
Graph 11. Installed Capacity of National



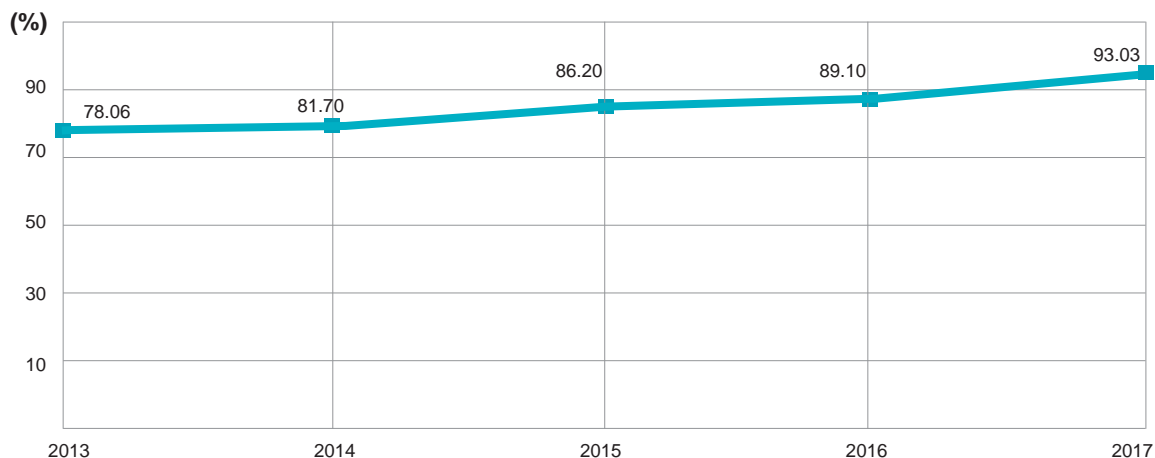
Graph 12. Energy Production



Graph 13. Energy Mix in 2013 - 2017

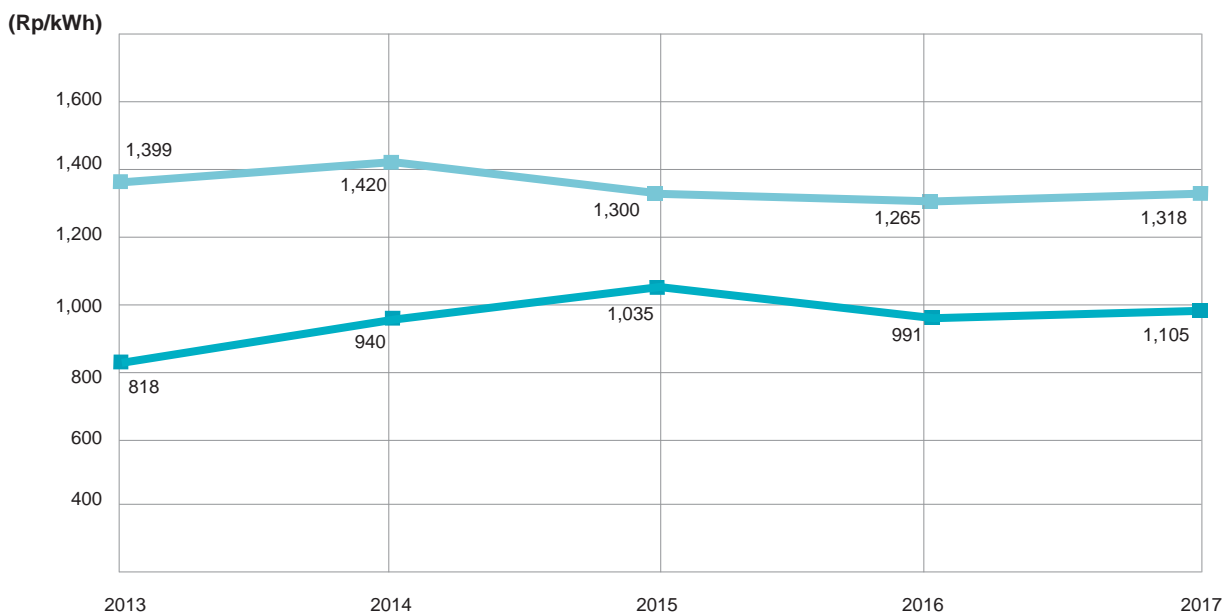


Graph 14. Electrification Ratio *)



*) Excluding non PLN Customers

Graph 15. Basic Cost of Electricity Production and Average Selling Price



■ BPP (According to BPK's audit)
■ Selling Price



Operational Regional of PLN



Operational Region and Location of PLN Region Offices





PT PLN (Persero) Region of Aceh

Jl. Tgk. H. M. Daud Beureu-eh No. 172, Banda Aceh, Aceh 23243
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PT PLN (Persero) Region of North Sumatera

Jl. K.L. Yos Soedarso No. 284, Medan 20115, Kotak Pos 2000
Tel. : (061) 6615 155
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PT PLN (Persero) Region of West Sumatera

Jl. Dr. Wahidin No. 8, Padang 25121
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PT PLN (Persero) Region of Riau and Riau Islands

Jl. Musyawarah, RT. 01 RW. 09, Kel. Labuh Baru, Barat
Kec. Payung Sekaki, Pekanbaru, Riau 28295
Tel. : (0761) 853 737, 855 309, 855 840
Facs.: (0761) 855 310

PT PLN (Persero) Region of Bangka Belitung

Jl. Soekarno Hatta Km. 5,
Pangkalpinang 33171, Kep. Bangka Belitung
Tel. : (0717) 439 300 (Hunting)
Facs.: (0717) 439 600

PT PLN (Persero) Region of South Sumatera, Jambi and Bengkulu

Jl. Kapten A. Rivai No. 37, Palembang 30129
Tel. : (0711) 358 355, 358 804, 358 859
Facs.: (0711) 356 759, 310 376

PT PLN (Persero) Region of West Kalimantan

Jl. Adi Sucipto Km. 7,5 Sei Raya Kubu Raya, Pontianak 78391
Tel. : (0561) 722 037, 721 960
Facs.: (0561) 721 395

PT PLN (Persero) Region of South and Central Kalimantan

Jl. Panglima Batur Barat No. 1, Banjarbaru – Kalsel 70711
Tel. : (0511) 477 2520, 477 4342, 477 2261
Facs.: (0511) 477 2442

PT PLN (Persero) Region of East Kalimantan and North

Jl. MT. Haryono No. 384, Balikpapan 76114
Tel. : (0542) 871 840 (Hunting)
Facs.: (0542) 876 130

PT PLN (Persero) Region of North Sulawesi, Central Sulawesi and Gorontalo

Jl. Bethesda No. 32, Manado 95116
Tel. : (0431) 863 644, 865 651, 862 444
Facs.: (0431) 859 786, 82306

PT PLN (Persero) Region of South Sulawesi Southeast Sulawesi and West Sulawesi

Jl. Letjend. Hertasning Blok B, Kotak Pos 1206,
Panakukang, Makassar 90222
Tel. : (0411) 457 155, 457 157
Facs.: (0411) 444 800

PT PLN (Persero) Region of Maluku and North Maluku

Jl. Diponegoro No. 2, Ambon 97127
Tel. : (0911) 311 810, 354 696, 347 766
Facs.: (0911) 310 910

PT PLN (Persero) Region of West Nusa Tenggara

Jl. Langko No. 25 – 27, Ampenan, Mataram 83114
Tel. : (0370) 643 123
Facs.: (0370) 634 401

PT PLN (Persero) Region of East Nusa Tenggara

Jl. Piet A. Tallo 101, Kupang 85228
Tel. : (0380) 855 4005 (Hunting)
Facs.: (0380) 855 4010

PT PLN (Persero) Region of Papua and West Papua

Jl. Jend. A. Yani No. 18, Jayapura 99111 Kotak Pos 1045
Tel. : (0967) 533 891, 533 981, 536 637
Facs.: (0967) 534 694

PT PLN (Persero) Distribution of Jakarta Raya and Tangerang

Jl. M.I.R Rais No. 1, Jakarta 10110
Tel. : (021) 345 5000, 345 4000
Facs.: (021) 345 6694

PT PLN (Persero) Distribution of West Java

Jl. Asia Afrika No. 63, Bandung 40111
Tel. : (022) 423 0747 (Hunting)
Facs.: (022) 423 0822

PT PLN (Persero) Distribution of Banten

Jl. Jenderal Sudirman (Akses By Pass) No. 1, Tangerang 15118
Tel. : (021) 552 6716, 552 6717
Facs.: (021) 552 6721

PT PLN (Persero) Distribution of Central Java and D.I. Yogyakarta

Jl. Teuku Umar No. 47, Semarang
Tel. : (024) 841 1991 (Hunting)
Facs.: (024) 841 2268

PT PLN (Persero) Distribution of East Java

Jl. Embong Trengguli No. 19 – 21, Surabaya 60271
Tel. : (031) 534 0651-534 0655
Facs.: (031) 531 0057

PT PLN (Persero) Distribution of Bali

Jl. Letda. Tantular No. 1, Renon, Denpasar 80234
Tel. : (0361) 221 960-221 968, 221 957
Facs.: (0361) 227 101

PT PLN (Persero) Distribution of Lampung

Jl. Z.A. Pagar Alam No. 05, Bandar Lampung 35144
Tel. : (0721) 774 868
Facs.: (0721) 780 247

PT PLN (Persero) Education and Training Center

Jl. HR. Harsono RM No. 59, Rajabasa, Ragunan, Pasar Minggu,
Jakarta 12250
Tel. : (021) 781 1292, 781 1293, 780 0832
Facs.: (021) 781 1294, 781 1295

PT PLN (Persero) Engineering Electricity Center

Jl. Aipda KS. Tubun I/2, Petamburan, Jakarta 11420
Tel. : (021) 564 0141, 563 8644, 563 8642
Facs.: (021) 563 8658, 563 8661

PT PLN (Persero) Electricity Maintenance Center

Jl. Banten No. 10, Bandung 40272
Tel. : (022) 723 6791-3
Facs.: (022) 723 6794

PT PLN (Persero) Research and Development Center

Jl. Duren Tiga No.102, Jakarta 12760
Tel. : (021) 797 3774, 798 0190, 798 9982
Facs.: (021) 799 1762, 797 5414

PT PLN (Persero) Certification Center

Jl. Laboratorium, Duren Tiga, Jakarta 12760
Tel. : (021) 790 0034
Facs.: (021) 798 2034, 799 2056, 794 3450

PT PLN (Persero) Construction Management Service

Jl. Slamet No. 1, Gajah Mungkur, Semarang 50232
Tel. : (024) 8310060
Facs.: (024) 8317241

PT PLN (Persero) Generation of Southern Part of Sumatera

Jl. Demang Lebar Daun No. 375, Palembang 30128
Tel. : (0711) 374 955 (Hunting)
Facs.: (0711) 374 958, 374 959

PT PLN (Persero) Generation of Nothern Part of Sumatera

Jl. Brigjen Katamso KM 5,5, No. 30 Titikuning, Medan 20146
Tel. : (061) 786 9025
Facs.: (061) 786 7967

PT PLN (Persero) Generator Unit of Java Bali (UPJB)

Jl. P. Mangkubumi No. 16, Yogyakarta 55232
Tel. : (0274) 582 912
Facs.: (0274) 582 971

PT PLN (Persero) Tanjung Jati B Power Plant

Ds. Tubanan, Kec. Kembang, Kab. Jepara
Jawa Tengah 59453
Tel. : (0291) 772 121 s/d 772 124
Facs.: (0291) 772 125

PT PLN (Persero) Distribution and Load Control Center (P2B)

Krukut – Limo Cinere 16541
Kotak Pos 159 CNR, Jakarta Selatan
Tel. : (021) 754 3566, 754 2646
Facs.: (021) 754 2516

PT PLN (Persero) Sumatera Transmission and Control Center

Jl. Musyawarah/Nangka Ujung, Kel. Labuh Baru Barat
Kecamatan Payung Sekaki, Pekanbaru, Riau 28233
Tel. : (0761) 670 0011, 670 0012
Facs.: (0761) 670 0015

PT Indonesia Power

Jl. Jend. Gatot Subroto Kav. 18, Jakarta Selatan 12950
Tel. : (021) 526 7666 (Hunting)
Facs.: (021) 525 2623

PT Pembangkitan Jawa Bali (PJB)

Jl. Ketintang Baru No. 11, Surabaya 60231
Tel. : (031) 828 3180 (Hunting)
Facs.: (031) 828 3183

PT Pelayanan Listrik Nasional Batam

Jl. Engku Putri No. 3, Batam Center, Batam 29432
Tel. : (0778) 463 150 – 53
Facs.: (0778) 463 143

PT Indonesia Comnets Plus (ICON+)

Kawasan PLN Cawang
Jl. Mayjend Sutoyo No. 1, Cililitan, Jakarta Timur 13640
Tel. : (021) 525 3019
Facs.: (021) 525 3659

PT Prima Layanan Nasional Enjiniring

Jl. KS. Tubun I/2 Lt.2, Jakarta 11420
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Facs.: (021) 564 0132

PT Pelayanan Listrik Nasional Tarakan

Jl. P. Diponegoro No. 1, Tarakan, Kalimantan Timur 77114
Tel. : (0551) 351 92, 218 28, 220 17
Facs.: (0551) 341 58, 219 28

PT PLN Batubara

Jl. Warung Buncit Raya No. 10
Kel. Kalibata, Jakarta Selatan 12740
Tel. : (021) 2912 2118
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PT PLN Geothermal

PT PLN (Persero) Kantor Pusat, Gedung 1 Lt. 7,
Jl. Trunojoyo Blok M I/135, Kebayoran Baru
Jakarta 12160
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Facs. : (021) 722 7063

PT Pelayaran Bahtera Adhiguna

Jl. Kalibesar Timur No. 10 – 12
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Tel. : (021) 691 2547, 691 2548, 691 2549
Facs.: (021) 690 1450, 690 2726

PT Haleyora Power

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