



PT PLN (Persero)

Annually Report 2018

Sustainable Energy Access in Eastern
Indonesia - Electricity Grid Development
Program

Result Based Lending (RBL) - ADB

7 March 2019

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Abbreviations

ADB	=	Asian Development Bank
AMK	=	Aplikasi Manajemen Kontrak (Contract Management Application)
AP2T	=	Aplikasi Pelayanan Pelanggan Terpusat (Centralised Customer Service Application)
APKT	=	Aplikasi Pengaduan dan Keluhan Terpadu (Integrated Complaints Management Application)
ckm	=	Circuit kilometre
COD	=	Commercial Operation Date
DLI	=	Disbursement-Linked Indicator
ERP	=	Enterprise Resource Planning
FPR	=	Financing for Prior Results
GIS	=	Geographic Information System
GWh	=	Gigawatt-hour
IVA	=	Independent Verification Agent
KPI	=	Key Performance Indicator
kV	=	Kilovolt
MVA	=	Megavolt-ampere
PAP	=	Program Action Plan
PID	=	Project Implementation Document (ADB)
PLN	=	Perusahaan Listrik Negara (State-Owned Electricity Company)
PMU	=	Program Management Unit
PPA	=	Power Purchase Agreement
RBL	=	Results Based Lending (ADB)
RUPTL	=	Rencana Usaha Penyediaan Tenaga Listrik (Electricity Power Supply Business Plan)
SAIDI	=	System Average Interruption Duration Index
SAIFI	=	System Average Interruption Frequency Index
SILM	=	Sistem Informasi Laporan Manajemen (Management Reporting Information System)
SNT	=	Sulawesi dan Nusa Tenggara
SPKK	=	Satuan Pemantau Kinerja Korporat (PLN internal performance management unit)

1. INTRODUCTION

1.1 Background

On October 10th, 2017, PT PLN (Persero) signed the loan agreements with ADB, worth \$600 million to support Sustainable Energy Access in Eastern Indonesia - Electricity Grid Development Program. The objective of the Program is to support expanded access to more reliable electricity services for residential, commercial, and industrial customers in the eastern provinces of the Guarantor in Sulawesi and Nusa Tenggara, namely North Sulawesi, Gorontalo, Central Sulawesi, West Sulawesi, South Sulawesi, South East Sulawesi, West Nusa Tenggara, and East Nusa Tenggara.

The Program is expected to be completed by 31 December 2021 and comprises the following result areas:

(a) Distribution system strengthening and expansion. Under this result area, the Program shall help address the financing needs for the expansion and strengthening of the distribution system and consequently improve electrification rates, reduce overloading and address reliability issues for the local population and businesses.

(b) Innovation and institutional capacity enhancement. Under this result area, the Program shall support PLN effort in innovation and strengthen institutional capacity for environmental management and increased efficiency through:

- (i) supporting innovation through pilot-scale smart grid projects;
- (ii) expanding the use of digital pre-paid and smart meters to reduce non-technical losses, payment defaults, and servicing costs in remote areas;
- (iii) improving PLN asset and waste management with safe disposal of several years' backlog of used equipment; and
- (iv) tracking the timely implementation of distribution system contracts.

The ADB loan is implemented in the form of programs, whereby PLN, acting as the executing agency, must fulfil program conditions to access loan funding. ADB's program is called Results Based Lending (RBL).

The program follows a performance-based lending structure, in which funds are disbursed in tranches and only released to PLN when mutually agreed Disbursement-Linked Indicators (DLIs) are met (with provision for pro-rata disbursements for partial fulfilment of DLIs). The DLIs are results-oriented as opposed to process-oriented, thus allowing PLN the discretion to use its own processes and systems for managing funds and achieving program results.

In addition to the DLIs, PLN has agreed to implement a series of actions set out in Program Action Plans (PAPs), which are also included as loan covenants in the ADB agreement.

1.2 Program Scope of Work

The scope of work for the ADB RBL program (except Financial Covenants) can be detailed as follows:

Implementation Arrangements

1. The Program is implemented in accordance with the detailed arrangements set forth in the PID. Any subsequent change to the PID shall become effective only after approval of such change by PLN and ADB. In the event of any discrepancy between the PID and this Loan Agreement, the provisions of this Loan Agreement shall prevail.
2. PLN shall ensure that the amount of Eligible Expenditures under the Program for any Fiscal Year is equal to or exceeds the Loan proceeds withdrawn by PLN in the same Fiscal Year. Such Eligible Expenditures are part of the expenditures incurred under the Program, but they exclude any expenditures for (a) procurement of works, goods and services from countries which are not members of ADB; (b) procurement of works, goods and services from persons or entities debarred or suspended by ADB; (c) procurement involving High-Value Contracts; (d) any activities which are classified as category A for environmental impact under the SPS; and (e) any activities which are prohibited investment activities provided in Appendix 5 of the SPS.

DLI Compliance and Program Dialogue

3. PLN shall ensure that all DLIs achieved under the Program continue to be complied with for the duration of the PLN's program.
4. PLN shall keep ADB informed of discussions with other multilateral or bilateral aid agencies that may have implications for the implementation of the PLN program and the Program and shall provide ADB with an opportunity to comment on any resulting proposals. PLN shall give due consideration to ADB's views before finalizing and implementing any such proposal.

Technical Requirements

5. PLN shall ensure that all Program Actions in the area of technical requirements are implemented in a timely and efficient manner.

Financial Management

6. PLN shall ensure that all Program Actions in the area of financial management are implemented in a timely and efficient manner.

Procurement

7. PLN shall ensure that each contract under the Program is awarded on the basis of the Program's procurement system, having due regard for principles of competition, economy and efficiency, transparency and fairness and equal opportunity.
8. PLN shall ensure that all Program Actions in the area of procurement are implemented in a timely and efficient manner.

Environmental and Social Safeguards

9. PLN shall ensure that all Program Actions in the area of environmental and social safeguards are implemented in a timely and efficient manner.
10. (a) PLN shall ensure that no construction or rehabilitation works under the Program involve significant adverse environmental impacts that may be classified as category A under the SPS. Prior to the first disbursement, PLN shall issue a technical guidance on safeguards screening to exclude all activities that would be classified as category A for environment impacts within the meaning of SPS. Prior to commencing any construction or rehabilitation works under the Program, PLN shall conduct a screening to ensure that any works that may be classified as category A for environment impacts within the meaning of SPS are excluded from the Program.
(b) PLN shall ensure that the preparation, design, construction, implementation, operation and decommissioning of all activities under the Program comply with: (i) all applicable laws, regulations and guidelines of the Borrower relating to environment, health and safety; (ii) the Environmental Safeguards; and (iii) all measures and requirements, including monitoring requirements set forth in the Program Action Plan.
11. PLN shall ensure that the preparation, design, construction, implementation, operation and decommissioning of all activities under the Program comply with: (a) all applicable laws and regulations of PLN relating to resettlement; (b) Involuntary Resettlement Safeguards; and (c) all measures and requirements, including monitoring requirements set forth in the Program Action Plan.
12. PLN shall ensure that the preparation, design, construction, implementation, operation and decommissioning of all activities under the program comply with: (a) all applicable laws and regulations of the Borrower relating to indigenous peoples; (b) Indigenous Peoples Safeguards; and (c) all measures and requirements, including monitoring requirements set forth in the Program Action Plan.

Gender and Social Equality

13. PLN shall ensure that all Program Actions in the area of gender and social equality are implemented in a timely and efficient manner

Governance and Anticorruption

14. PLN shall ensure that the Program complies with the Anticorruption Guidelines and that all appropriate and timely measures are taken to prevent, detect and respond to allegations of fraud, corruption or any other prohibited activities relating to the Program in accordance with the Anticorruption Guidelines.
15. PLN shall (a) promptly inform ADB of any allegations of fraud, corruption or any other prohibited activities relating to the program; and (b) cooperate fully with any investigation by ADB on such allegations and extend all necessary assistance, including providing access to all relevant records, for satisfactory completion of such investigation.
16. Within 90 days of the Effective Date, PLN shall update its public website to (a) provide procurement-related information on the program (including bidding information); (b) post the audited statements of the Program expenditures, as such statements become

available; and (c) disseminate other information on program implementation deemed mutually relevant by both ADB and the Borrower.

1.3 Scope of this Quarterly Report

This Quarterly Report is intended to provide periodic progress updates to ADB regarding (i) the achievements of overall program results; (ii) status of the DLIs and DLI verification protocols; (iii) the status of covenants in the loan agreements; and (iv) the outcomes of the PAP implementation program.

This Quarterly Report covers reporting periods from January 1st, 2018 until December 31st, 2018.

2. PROGRAM STRUCTURE, MANAGEMENT AND IMPLEMENTATION

2.1 ADB Results Based Lending Program

The ADB Results Based Lending (RBL) program focuses on sustainable energy access in Eastern Indonesia – Electricity Grid Development Program.

These are the key milestones of ADB L3560-INO :

- ADB Approval : Sep 14th, 2017
- Loan Signing : Oct 10th, 2017
- Guarantee Signing : Nov 16th, 2017
- Loan Effectiveness : Dec 14th, 2017
- Implementation Period : Jan 2017 – Dec 2021 (5 years)
- Program Completion : Dec 31st, 2021
- Loan closing : Jun 30th, 2022

The first disbursement of US\$ 150 million was made on December 21st 2017, based on activities claimed under the Financing for Prior Results (FPR) indicators.

The second disbursement, based on verification of 2017 results is US\$ 117 disbursed in November, 2018.

The third disbursement, based on verification of Q2 2018 results is US\$ 67.5 disbursed in December, 2018.

An allocation and withdrawal of Loan Proceeds and the breakdown of the ADB RBL disbursement allocations according to Loan Review Mission in November 2018 is shown below in Table 1 and Table 2.

Table 1: Allocation and Withdrawal of Loan Proceeds (Source: ADB)

ALLOCATION AND WITHDRAWAL OF LOAN PROCEEDS (Sustainable Energy Access in Eastern Indonesia—Electricity Grid Development Program)						
Disbursement-Linked Indicator (DLI)	Total ADB Financing Allocation	2017	2018	2019	2020	2021
DLI 1	120,000,000	30,000,000	30,000,000	30,000,000	30,000,000	
DLI 2	96,000,000	24,000,000	24,000,000	24,000,000	24,000,000	
DLI 3	48,000,000	12,000,000	12,000,000	12,000,000	12,000,000	
DLI 4	96,000,000	12,000,000	12,000,000	36,000,000	36,000,000	
DLI 5	96,000,000	12,000,000	12,000,000	36,000,000	36,000,000	
DLI 6	48,000,000	6,000,000	6,000,000	12,000,000	12,000,000	12,000,000
DLI 7	48,000,000	6,000,000	6,000,000	12,000,000	12,000,000	12,000,000
DLI 8	48,000,000	6,000,000	6,000,000	12,000,000	12,000,000	12,000,000
TOTAL	600,000,000	108,000,000	108,000,000	174,000,000	174,000,000	36,000,000

Table 2: ADB RBL Disbursement Allocations (Source: ADB)

No	Metric	Defenition of Indicators	Units	Disbursement Allocated (\$ million)
1	Increased numbers of total PLN Customers	Minimum target of increased customer annually is 5.6%, to reach at least 6.99	million customers	120
2	Increased annual electricity sales	Minimum target of increased annual electricity sales is 5.35%	GWh	96
3	Permanent interruptions	Maximum annual rate increase allowed for feederline	Interruptions per 100 km	48
4	Increased numbers of distribution transformers	Minimum rate of increased number of distribution transformer units	Units	96
5	Additional length of medium-voltage (MV) distribution lines	Minimum rate of additional length of MV lines annually is 5.6%, to reach 58,764 ckm by 2020	ckm	96
6	Pilot-scale smart grid projects	at least 4 pilot - scale smart grid projects implemented by	Units	48
7	Enhancement of Operational efficiency and resource optimization	increased use of digital prepaid meter or smart meter use at least	%	48
8	Improvement of asset and waste management	used PLN equipment is safely disposed at least 90% from the 2016	%	48
9	Timely completion of implementation of distribution system contracts	Timely completion of implementation of distribution system contracts	%	0

The ADB RBL program has eight DLIs and one non-disbursement linked indicators

The target values for each of the results indicators over the loan period (2017 to 2021) and the verification for 2016 and 2017 are shown in Table 3.

Table 3: ADB RBL Results Indicators & Verification (Source: ADB)

No	Results Indicators	Target Values of Results Indicators							
		Baseline Year 2016	IVA Verified Baseline 2016	2017	IVA Verified Result 2017	2018	2019	2020	2021
1	DLI 1: number of total customers increased by an average annual rate of at least 5.6% to reach at least 6.99 million customers by 2020	5.62 million	5.62 million	≥ 5,9 million	6.09 million	≥ 6,27 million	≥ 6,62 million	≥ 6,99 million	
2	DLI 2: total annual electricity sales increased by an average annual rate of at least 5.35% to reach at least 13,964 GWh by 2020, with an equal or higher growth rate for commercial customers to reach at least 2,849 GWh annual sales by 2020	11336 GWh	11336 GWh	≥ 12.300 GWh	11943 GWh	≥ 12582 GWh	≥ 13255 GWh	≥ 13964 GWh	
		2334 GWh	2287 GWh	≥ 2,532 GWh	2437 GWh	≥ 2567 GWh	≥ 2,704 GWh	≥ 2849 GWh	
3	DLI 3: Feeder line permanent interruptions in the distribution system reduced by an average annual rate of at least 5% each year to reach less than 15,82/100 ckm by 2020	19,43/100 ckm	19.92 /100 ckm	< 18,45/100 ckm	16.16 /100 ckm	< 17,53/100 ckm	< 16,66/100 ckm	< 15,82/100 ckm	
4	DLI 4: Number of distribution transformer units installed increased by an average annual rate of at least 5.6% each year to reach at least 50.721 by 2020	40788 units	40760 units	≥ 43.072 units	44630 units	≥ 45.484 units	≥ 48.031 units	≥ 50.721 units	
5	DLI 5: Additional length of medium-voltage distribution lines installed increased by an average annual rate of at least 5.6% each year to reach at least 58,764 ckm by 2020, with an equal or higher growth rate in Lombok and Flores combined to reach at least 7,388 ckm by 2020	47.257 ckm	45938 ckm	≥ 48.855 ckm	48912 ckm	≥ 51.957 ckm	≥ 55.256 ckm	≥ 58.764 ckm	
		5.941 ckm	5941 ckm	6274 ckm	6070 ckm	6626 ckm	6997 ckm	7388 ckm	
6	DLI 6: Pilot-scale smart grid projects implemented in at least 4 areas by 2021	Issue smart grid projects	-	smart grid guidelines based on corporate smart grid roadmap issued, pilot projects selected	not achieved	Project design developed, 2 pilot smart grid projects start procurement	At least 2 more pilot smart grid projects start procurement	At least 2 pilot smart grid projects operation	At least 4 pilot smart grid projects operation
7	DLI 7: Operational efficiency and resource optimization enhanced with digital pre-paid meter or smart meters use increased to at least 75% of total customers by 2021	48%	50.65%	55%	55.75%	60%	≥ 65%	≥ 70%	≥ 75%
8	DLI 8: Asset and waste management improved with at least 90% of used PLN equipment from the 2016 disposal inventory safely disposed by 2021	2016 baseline: 0 disposal rate. accumulated used equipment, including hazardous waste and slow procedures for review, approval and disposal	Not yet received	(i) 2016 inventory of used equipment for disposal prepared and approved by PLN & MoSOE. (ii) PLN Guidance for Asset Management (1998) policy revised to accelerate disposal of hazardous waste	(i) achieved (ii) not achieved	(i) Existing oil spills cleaned in accordance with MoE Regulation No.33/2009. (ii) at least 20% of PLN's used equipment in the 2016 inventory safely disposed	(i) All warehouses equipped with oil containment/ protection measures (ii) At least 50% of PLN's used equipment in the 2016 inventory safely disposed	At least 80% of PLN's used equipment in the 2016 inventory safely disposed	At least 90% of PLN's used equipment in the 2016 inventory safely disposed
9	Non DLI 9: Timely completion of implementation of distribution system contracts increased to more than 75% by 2021	45%	73.01%	55%	72.83%	60%	≥ 65%	≥ 70%	≥ 75%

2.2 PLN Program Management and Implementation

PLN formed a Project Management Unit (PMU) and Project Implementing Unit (PIU) specifically for the ADB RBL programs in PLN Sulawesi and Nusa Tenggara. The PMU consists of internal PLN staff drawn from various divisions within PLN Head Office (e.g. Regional Sulawesi, Regional Jawa Timur, Bali and Nusa Tenggara, Corporate Planning, Procurement, etc). The organisational structure of the PMU is shown in Figure 1 below.

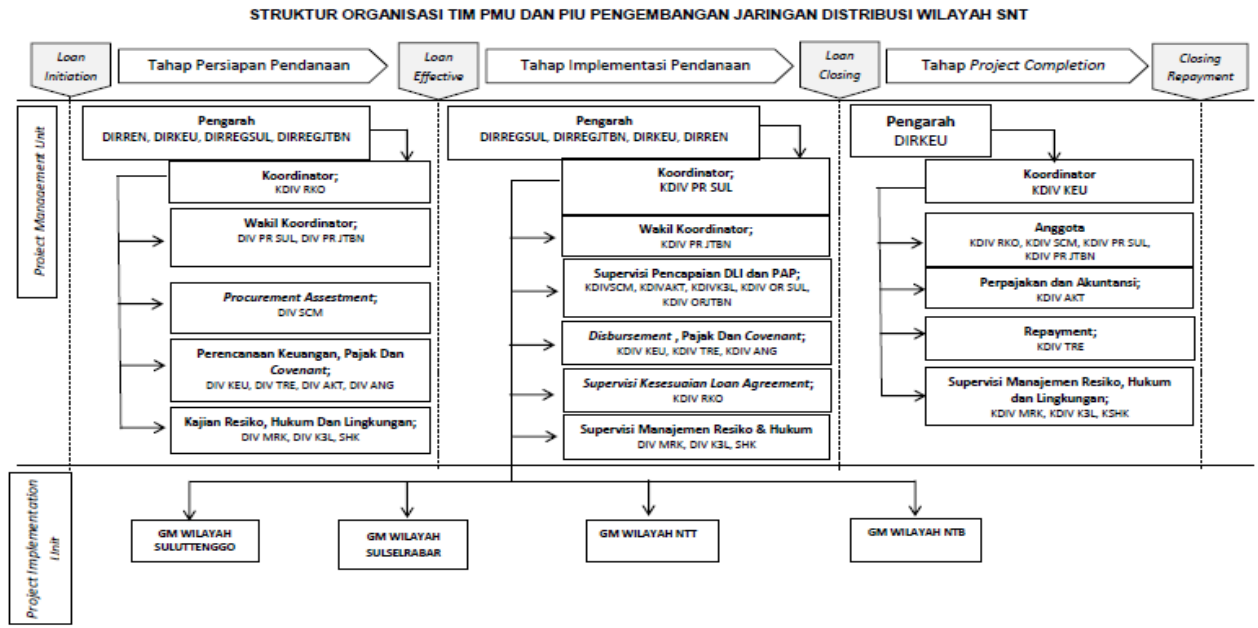


Figure 1: PMU/PIU Organisational Structure

3. *Electrification Ratio of Sulawesi and Nusa Tenggara System*

3.1 Electrification Ratio

The electrification ratio for each PLN Wilayah in Sulawesi and Nusa Tenggara as at December 2018 is shown in Table 4.

Table 4 Electrification Ratio (SILM)

Province	Household Total	PLN customers	Non PLN customers	Electrification Ratio
Sulawesi Selatan	2,012,359	2,004,197	70,670	100.00%
Sulawesi Tenggara	597,233	505,133	41,160	91.47%
Sulawesi Barat	302,823	236,454	73,445	100%
Sulawesi Utara	635,283	618,090	8,786	98.68%
Sulawesi Tengah	708,799	590,629	4,190	83.92%
Gorontalo	278,416	246,837	1,762	89.29%
Nusa Tenggara Timur	1,163,007	658,439	72,829	62.88%
Nusa Tenggara Barat	1,392,237	1,284,314	22,616	93.87%
Sulawesi & Nusa Tenggara	7,090,157	6,144,093	295,458	90.82%

Legend :

ER > 90%
ER 80% - 90%
ER < 80%

4. ADB RBL PROGRAM IMPLEMENTATION STATUS

4.1 Summary of DLI Achievements as of Reporting Period

Table 4 shows the summary of DLI Achievements as of Reporting Period Annually in 2018 (from January 1st, 2018 – December 31st, 2018)

Table 4: Summary of DLI Achievements in 2018

DLI No.	2018 Target	PLN Reported Achievement (as of 31 Dec 2018)	Achieved/ Not Achieved
1	6.27 Million customers	6.586 Million	V
2a	12.582 GWh total energy sales	12.711 GWh	V
2b	2.567 GWh business energy sales	2,570 GWh	V
3	17.53 /100 ckm permanent interruptions	13.18 / 100 ckm	V
4	45,484 units transformer	49,495 units	V
5	51,957 ckm MV lines	51.368 ckm	X
6	2 pilot smart grid projects start procurement	1 pilot start procurement (Selayar)	X
7	60% prepaid meters + smart meters	58.89%	X
8a	Existing oil spills cleaned	Partially Achieved	X
8b	20% used equipment in 2016 disposed	Not Achieved	X
Non-DLI 9	60% Timely completion of implementation of distribution system contracts	68%	V

4.2 Disbursement Linked Indicators (DLIs)

4.2.1 RBL DLI 1: Increased numbers of total PLN Customers

As at December 2018, for Quarter 4 in 2018, PLN has a total number approximately 6.59 m customers in Sulawesi and Nusa Tenggara, which of the ADB RBL target of 6.27 m for 2018. Data for this indicator are extracted from the SILM system, which has an integrated link to PLN's customer database (AP2T).

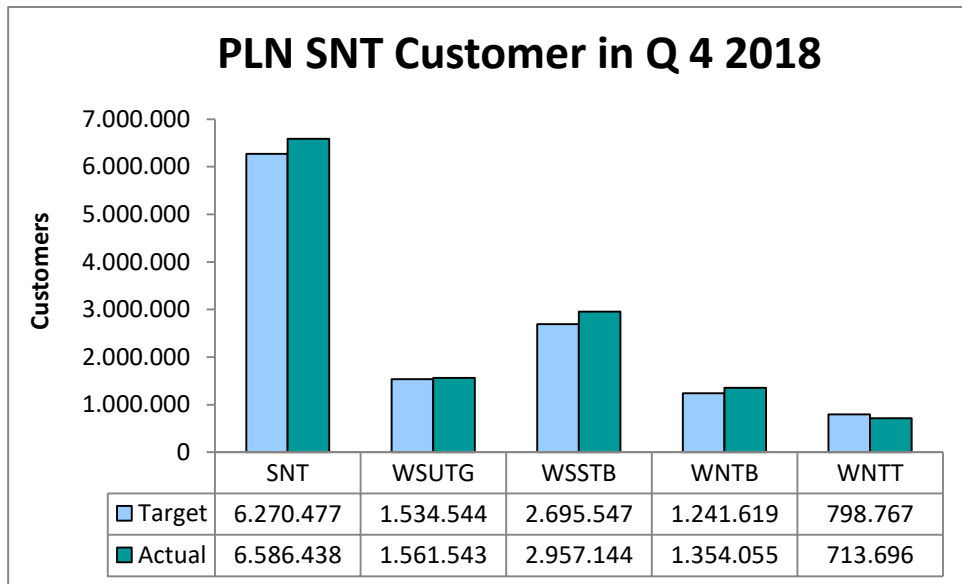


Figure 2: Number of PLN SNT Customer in Quarter 4 2018

The Increased numbers of total SNT PLN Customers in Quarter 4 2018 are shown in Table 5.

Table 5: Increased numbers of total PLN Customers

No	Number of Customer	Unit	2016	2017	2018
a	Baseline Set Up	Customer	5,623,061		
b	Baseline Actual	Customer	5,623,061		
c	Target	Customer		5,937,952	6,270,477
d	Actual	Customer		6,085,655	6,586,438
e	% Actual	%		167.04%	270.95%

The achievement in Quarter 4 2018 is around 270.95 % if we compare it to the full target in 2018.

4.2.2 RBL DLI 2: Increased annual electricity sales

Data for ADB RBL DLI 2 are extracted from the SILM system, which has an integrated link to PLN's customer and energy sales database (AP2T).

The Total Energy Sales from January to December 2018 has reached 12,711 GWh, which of the ADB RBL target in 2018 are 12.582 GWh.

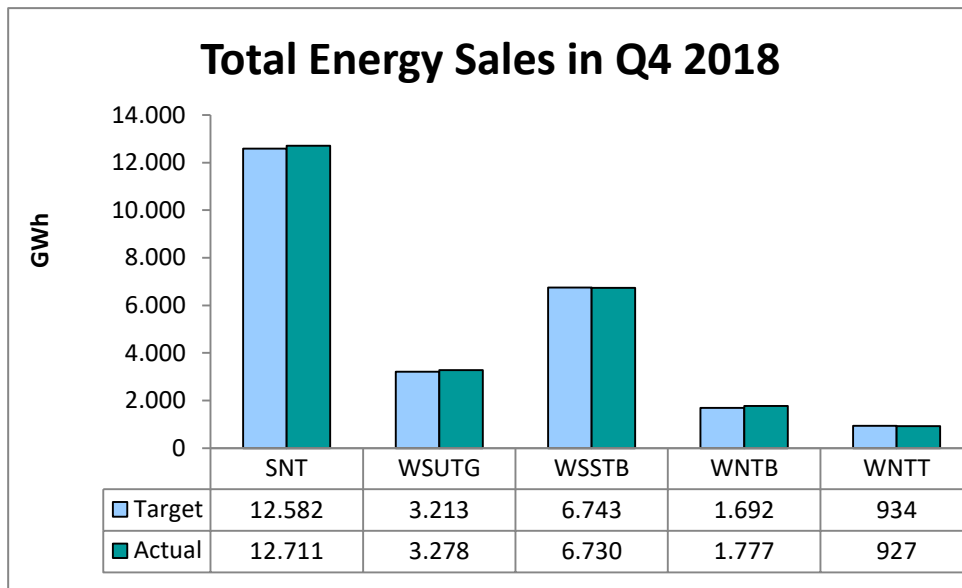


Figure 3: Total Energy Sales in Quarter 4 2018

The Total Commercial Energy Sales from January to December 2018 has reached 2,570 GWh, which of the ADB RBL target in 2018 are 2,567 GWh.

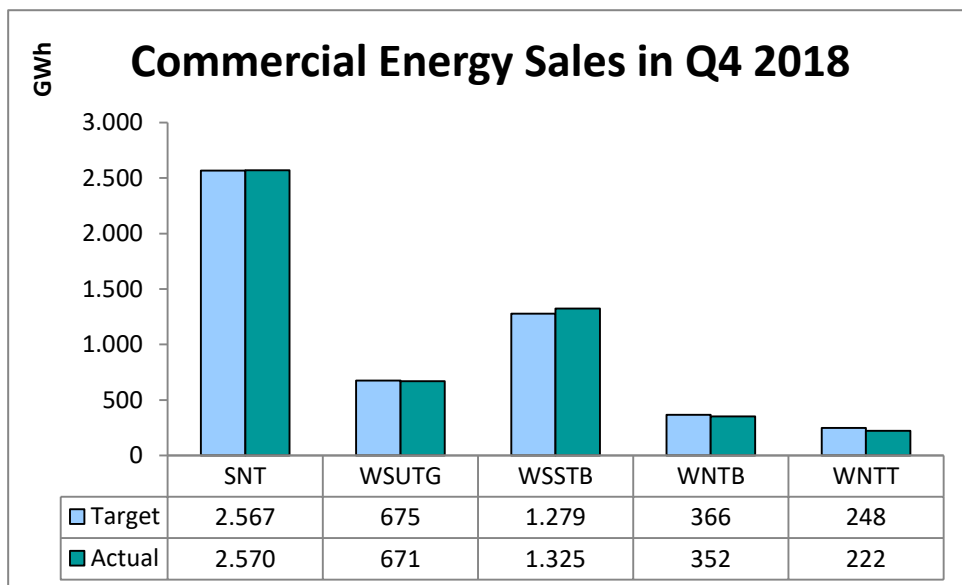


Figure 4: Commercial Energy Sales in Quarter 4 2018

The Total Non Commercial Energy Sales (Total Energy Sales minus Commercial Sales) from January to December 2018 has reached 10,142 GWh, which of the ADB RBL target in 2018 are 10,015 GWh.

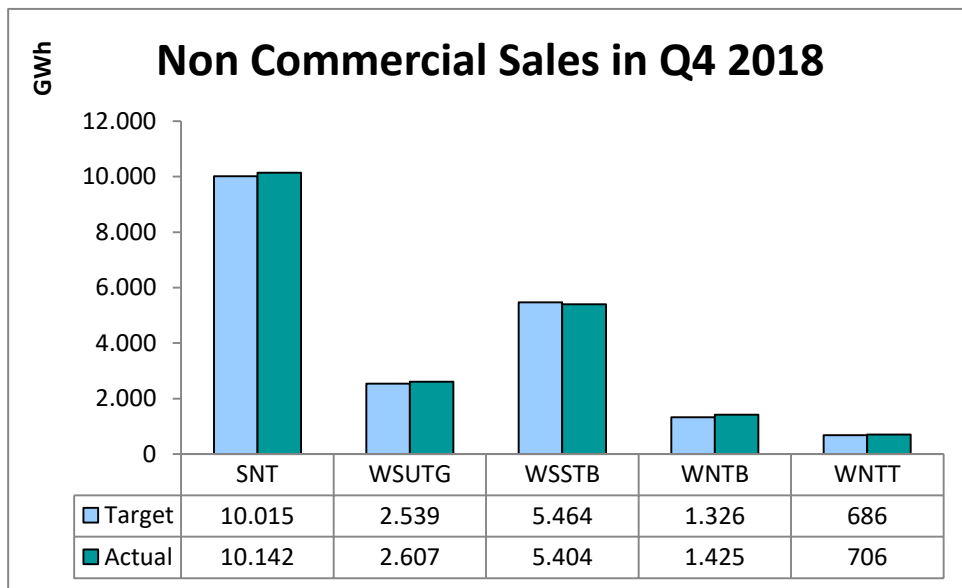


Figure 5: Total Energy Non Commercial Sales in Quarter 4 2018

The Total Energy Sales in Quarter 4 2018 are shown in Table 6.

Table 6: Increased total electricity sales

No	Total Energy Sales	Unit	2016	2017	2018
a	Baseline Set Up	GWh	11,336.18		
b	Baseline Actual	GWh	11,336.18		
c	Target	GWh		12,300.73	12,582.00
d	Actual	GWh		11,942.68	12,711.32
e	% Actual	%		62.93%	120.23%

The Total Commercial Energy Sales in Quarter 4 2018 are shown in Table 7.

Table 7: Increased commercial electricity sales

No	Total Commercial Energy Sales	Unit	2016	2017	2018
a	Baseline Set Up	GWh	2,333.71		
b	Baseline Actual	GWh	2,287.34		
c	Target	GWh		2,532.00	2,567.00
d	Actual	GWh		2,436.58	2,569.78
e	% Actual	%		61.00%	102.13%

The Non Commercial Energy Sales (Total Energy Sales minus Commercial Sales) in Quarter 4 2018 are shown in Table 8.

Table 8: Increased non commercial electricity sales

No	Total Non Commercial Energy Sales	Unit	2016	2017	2018
a	Baseline Set Up	GWh	9,002.47		
b	Baseline Actual	GWh	9,048.85		
c	Target	GWh		9,768.73	10,015.00
d	Actual	GWh		9,506.09	10.141,53
e	% Actual	%		63.58%	124.80%

4.2.3 RBL DLI 3: MV Feeder Permanent Interruptions

The number of MV feeder permanent interruptions reported in SNT over the period January – December 2018 was 13,18 interruptions per 100 ckm, which of the ADB RBL target of 17,53 interruptions per 100 ckm for the 2018.

Data for this DLI is extracted from SILM, though the source data is filled from Distribution Control Center from each of the PLN Wilayah.

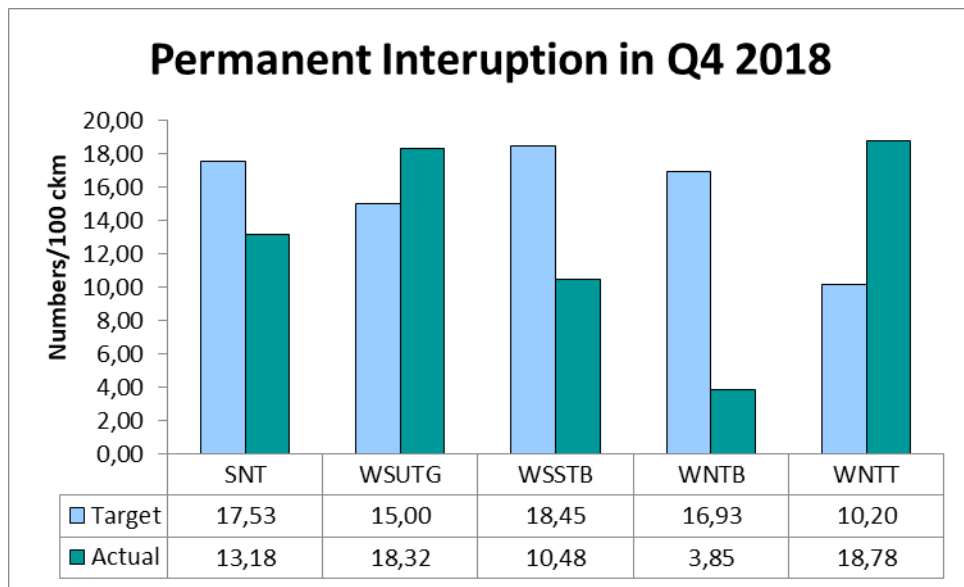


Figure 6: Permanent Interruption in Q4 2018

The MV Feeder Permanent Interruptions in Quarter 4 2018 are shown in table 9.

Table 9: MV Feeder Permanent Interruptions

No	Permanent Interruption / 100 ckm	Unit	2016	2017	2018
a	Baseline Set Up	int/100 ckm	19,43		
b	Baseline Actual	int/100 ckm	19,92		
c	Target	int/100 ckm		18,45	17,53
d	Actual	int/100 ckm		16,16	13,18
e	% Actual	%		112,41%	124,81%

The target for feeder permanent interruption in 2018 are 17.53 interruption / 100 ckm. The feeder permanent interruption in Q4 2018 are 13.18 interruption / 100 ckm. The achievement in Quarter 4 2018 is around 124.81%.

4.2.4 RBL DLI 4: Increased numbers of distribution transformers

As at Quarter 4 2018, the number of distribution transformers was 49,495 units, which of the ADB RBL 2018 target of 45,484 unit.

Data for this DLI is extracted from SILM, though the source data is filled in manually with input from each of the PLN Wilayah.

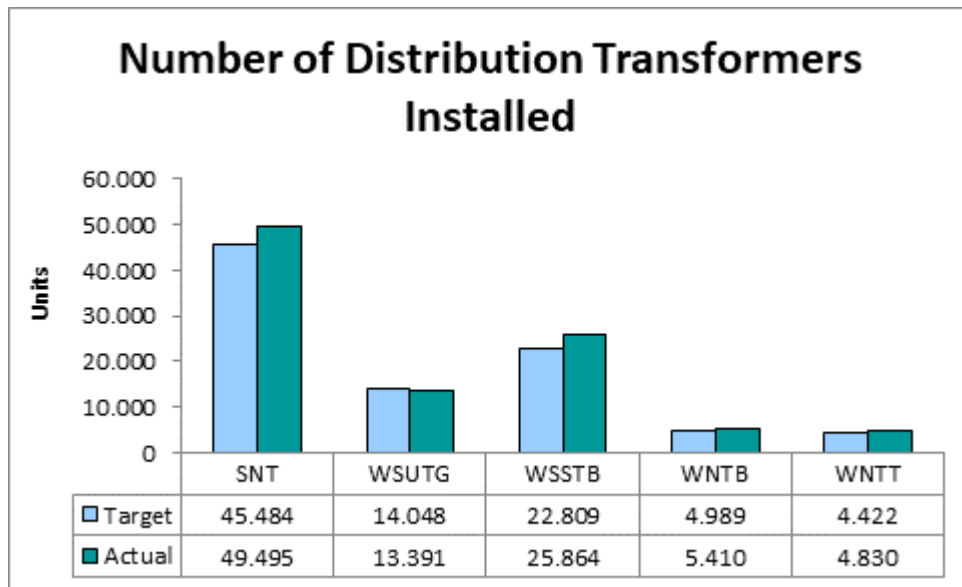


Figure 7: Number of Distribution Transformer in Quarter 4 2018

The increased numbers of distribution transformers number in Quarter 4 2018 are shown in Table 10.

Table 10: Increased numbers of distribution transformers

No	Distribution Transformer	Unit	2016	2017	2018
a	Baseline Set Up	Unit	40,788		
b	Baseline Actual	Unit	40,788		
c	Target	Unit		43,194	45,484
d	Actual	Unit		44,630	49,495
e	% Actual	%		159.68%	569.67%

The target for distribution transformer in 2018 are 45,484 units. The actual number of distribution transformer in Q4 2018 are 49,495 units. The achievement in Quarter 4 2018 is around 569.67 %.

4.2.5 RBL DLI 5: Additional length of medium voltage (MV) distribution lines

The number of additional length of medium voltage (MV) distribution lines installed over the period Quarter 4 2018 was 51,368 ckm, which of the ADB RBL 2018 full year target of 51,957 ckm.

Data for this DLI is extracted from SILM, though the source data is filled in manually with input from each of the PLN Wilayahs.

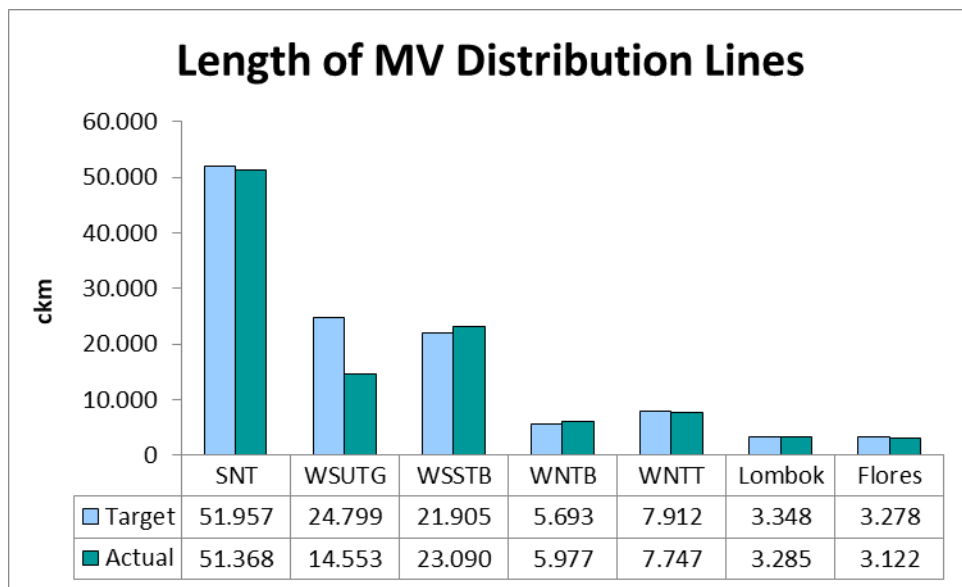


Figure 8: Length of MV Distribution Lines in Quarter 4 2018

The length of medium voltage (MV) distribution lines in Quarter 4 2018 are shown in Table 11.

Table 11: Length of medium voltage (MV) distribution lines

No	Distribution Line	Unit	2016	2017	2018
a	Baseline Set Up	ckm	47,256		
b	Baseline Actual	ckm	45,938		
c	Target	ckm		48,855	51,957
d	Actual	ckm		48,912	51,368
e	% Actual	%		101.95%	80.90%

The target for length of medium voltage (MV) distribution lines in 2018 are 51,957 ckm. The actual number of length of medium voltage (MV) distribution lines in Q4 2018 are 51,368 ckm. The achievement in Quarter 4 2018 is around 80,90%

For Lombok and Flores, the length of medium voltage (MV) distribution lines in Quarter 4 2018 were 3,285 ckm and 3,122 ckm respectively.

4.2.6 RBL DLI 6: Pilot scale smart-grid projects

In Quarter 2 2018, PLN Sulawesi proposed the revise of budgeting planning in 2018 (for Investment Budgeting) and 2019 (for Cash Investment Budgeting) of smart grid pilot projects in Pulau Sangihe, Sulawesi Utara and Pulau Selayar, Sulawesi Selatan.

PLN also assigned PJB (Pembangkitan Jawa Bali, PLN's subsidiary) as an engineering consultant for providing Basic Design, Bidding Document and Evaluation of Auction for Smart Grid Project. In August 2018, PLN with PJB conducted workshop with PLN Wilayah for designing of Basic Design Smart Grid Project and providing Bidding Document. In September 2018, PLN with PJB conducted site visit to Sangihe and Selayar for preparation of Bidding Document.

In the end of December 2018, PLN UIW Sulselrabar has started Pre- Qualification for Selayar smart grid project. The Feasibility Study for Selayar will be completed in March 2019 and following with land acquisition step.

While for Sangihe smart grid project, the procurement team of UIW Suluttenggo still prepare for Pra Qualification and also with Feasibility Study and Land Acquisition steps.

The Smart Grid location for Nusa Tenggara will be in Semau Island. Another location will be decided next.

4.2.7 RBL DLI 7: Enhancement of operational efficiency and resource optimization

The definition of indicator is the increased use of digital pre-paid meter or smart meter use at least 75% of total customers by 2021. The percentage of digital pre-paid meter customers in Quarter 4 2018 is 58.89% which of the ADB RBL 2018 year target of $\geq 60\%$.

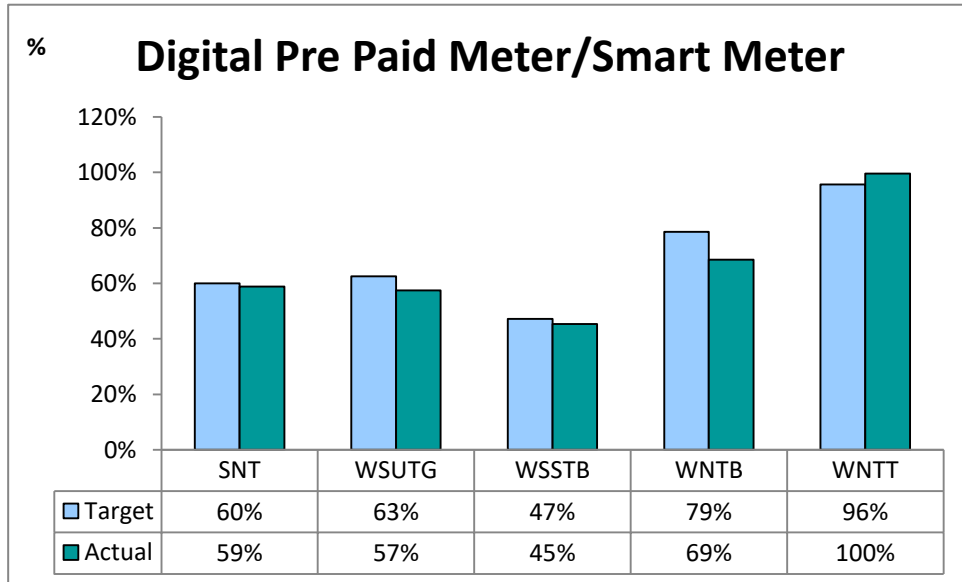


Figure 9: Digital Pre Paid Meter/Smart Meter in 2018

The percentage of digital pre-paid meter customers in Quarter 4 2018 are shown in Table 12.

Table 12: The percentage of digital pre-paid meter customers

No	Pre Paid / Smart Meter	Unit	2016	2017	2018
a	Baseline Set Up	%	48.00%		
b	Baseline Actual	%	50.65%		
c	Target	%		55.00%	60.00%
d	Actual	%		55.75%	58.89%
e	% Actual	%		117.24%	75.06%

The target for digital pre-paid meter customers in 2018 are 60%. The actual number of digital pre-paid meter customers in Q4 2018 are 58.89%. The achievement in Quarter 4 2018 is around 75.06 %. The achievement in Quarter 4 2018 include AMR customers/smart meter.

4.2.8 RBL DLI 8: Improvement of asset and waste management

For asset and waste management improved of used PLN equipment from the 2016 disposal inventory, the total identification as December 31, 2016 for acquisition value proposal in distribution was 39.630 million rupiah (for PLN UIW Sulselrabar proposal number 0583/KEU.02.03/WSSTB/2016, dated June 28th, 2016). This inventory was approved by the board of PLN Commissioner with letter number 269/DK-PLN/2016, dated Dec 30th, 2016 and by Ministry of State Owned Enterprises with letter number S-290/MBU/04/2018, dated Apr 27th, 2018. Accounting Division has sent a letter to PLN UIW Sulselrabar with letter number 2205/KEU.02.03/DIVAKT/2018, May 17th, 2018 for asking sales contract process.

PLN UIW Sulselrabar conduct the sales contract process with BGR (Bhanda Ghara Rekza) for finishing the last step of disposal inventory in 2016.

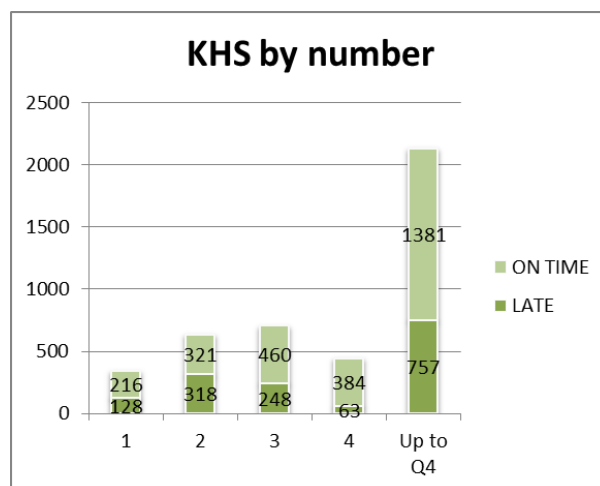
And the Guidance for Asset Management, PLN still used Guidance for Asset Management Document (1998), number 0.15.E/870/DIR/1998. However, some regulations have been created to simplify this guidance. The target for updating the guidelines will finish in the Quarter 2 of 2019.

4.3 Non-Disbursement Linked Indicators : Timely completion of implementation of distribution system contract

SCM Division already analyzed the data for Quarter 4 2018 :

Table 13: Quarter 4 2018 - Timely completion of implementation of distribution system contract

KHS			
By Number			
Quarter (2018)	LATE	ON TIME	Total
1	128	216	344
2	318	321	639
3	248	460	708
4	63	384	447
Up to Q4	757	1381	2138
By Percentage			
Quarter (2018)	LATE	ON TIME	Total
1	37%	63%	100%
2	50%	50%	100%
3	35%	65%	100%
4	14%	86%	100%
Up to Q4	35%	65%	100%



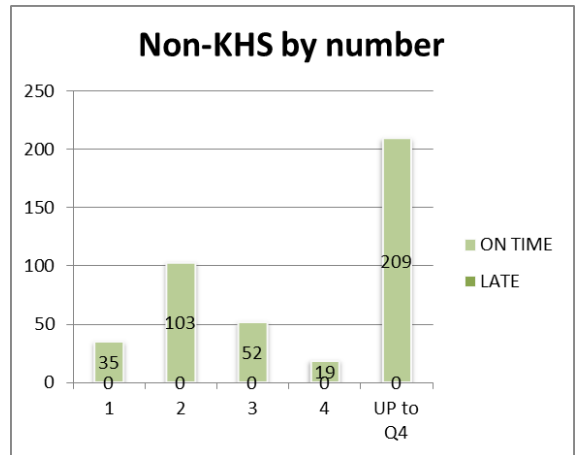
NON KHS

By Number

Quarter (2018)	LATE	ON TIME	Total
1	0	35	35
2	0	103	103
3	0	52	52
4	0	19	19
UP to Q4	0	209	209

By Percentage

Quarter (2018)	LATE	ON TIME	Total
1	0%	100%	100%
2	0%	100%	100%
3	0%	100%	100%
4	0%	100%	100%
UP to Q4	0%	100%	100%



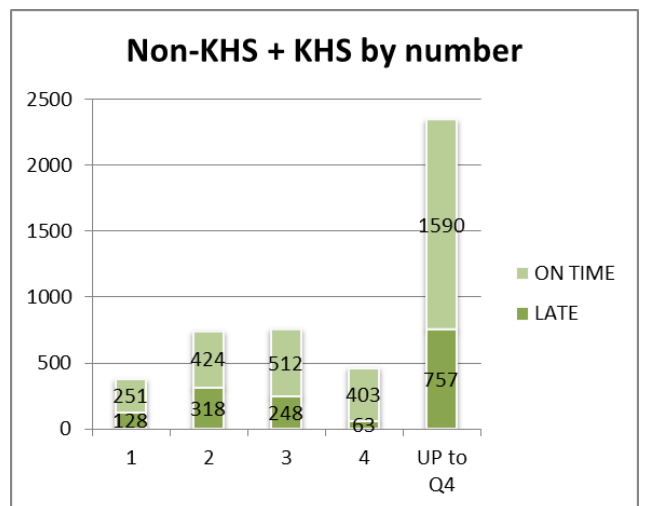
KHS + NON KHS

By Number

Quarter (2018)	LATE	ON TIME	Total
1	128	251	379
2	318	424	742
3	248	512	760
4	63	403	466
UP to Q4	757	1590	2347

By Percentage

Quarter (2018)	LATE	ON TIME	Total
1	34%	66%	100%
2	43%	57%	100%
3	33%	67%	100%
4	14%	86%	100%
UP to Q4	32%	68%	100%



4.4 Program Action Plan (PAP) Implementation

PAP Items	Description	Responsible Teams	Time Frame	PLN Claimed Status for Q4 Report 2018	IVA Verification Q4 2018
1	Plan and finalize the selection of locations and components for the strengthening and expansion of the distribution system, and criteria for sequencing related interventions under the program	<i>Wilayahs;</i> DIV PRSUL and DIV PR JTBN	from 2017	<p>PLN Div PR, PLN Div ANG and PLN Wilayahs have compiled SKAI and LKAI in 2018 and sent to IVA.</p> <p>The description of strengthening and expansion programs are listed in SKKI distribution for PLN Wilayahs and PLN areas. Finalization can be seen in actual budget realization and evaluation report</p>	
2	Support the national program to develop tourism to stimulate job creation and economic growth. Establish annual targets for the number of new customers in PLN Areas with government-designated tourism development sites, and include progress in quarterly reports, with semi-annual consultation with the MOF.	<i>Wilayahs;</i> DIV PRSUL, PR JTBN; DIV SIS; DIV RKO	from 2017	<p>There are some increased of customers in these areas - Nusa Tenggara: Lombok dan Flores Barat and Sulawesi: Bau Bau, Manado (The data can be seen in monthly report for the whole year in 2018).</p> <p>PLN always supports tourism programs especially in tourist destination areas, either for the addition of new customers or additional power, as long as PLN has sufficient supply, it will be served as soon as possible.</p> <p>PLN already sent email to MOF regarding consultation for supporting tourism program in Area Manado, Area Bau-Bau, Area Flores Bagian Barat and Area Mataram</p>	

	Technical				
3	Analyze work process flows relating to the timely completion of distribution implementation contracts. Use the solutions coming from this process to accelerate the implementation and completion of distribution contracts.	DIV SCM; <i>Wilayahs</i> (for works contracts); DIV PRSUL, PR JTBN	by the end of 2017	<p>PLN has send timely completion of distribution contract data in semester 1 and 2 in 2018 to IVA. Wilayah and Areas have input data in AMK application created by DIVSCM for distribution contract lists. Reports / recapitulation/ analysis data can be accessed on the application.</p> <p>SCM division is doing analyzing of timely completion of distribution implementation contracts.</p> <p>PLN regional also monitored the realization of total planning budgeting every months (cascading from RKAP 2018)</p>	
	Program results				
4.	Build the capacities of and conduct orientation sessions for relevant field personnel on the RBL program and DLI reporting.	DIV TLN; DIV HCMS DIV PRSUL, PR JTBN; Wilayahs	from 2017	<p>There were already commitment from management (PLN Wilayah) for 2017 and 2018 to achieve RBL targets of programs.</p> <p>DIV K3L and ADB has conducted workshop regarding social and environmental safeguards in Makassar, April 11th -12th , 2018.</p> <p>PLN Sulawesi Regional with University of Indonesia has socialized about smart grid guideline on May 2nd, 2018.</p> <p>PLN Sulawesi and JBTBN has conducted 2 times capacity building in 2018 for reporting:</p>	

				<p>1. Dec 17th, 2018 by Video Conference</p> <p>2. Dec 26th, 2018 by Video Conference</p> <p>PLN Sulawesi and JBTBN has conducted capacity building for AMK on Feb 27th – 28th, 2019 in Makassar for 4 wilayah</p>	
5.	<p>Conduct capacity building programs in targeted <i>areas</i> to enhance the understanding and acceptance of new technologies and innovations (e.g., smart grids and digital prepaid meters) among stakeholders.</p>	<p><i>Wilayahs</i>; DIV PRSUL, PR JTBN; DIV</p> <p>SIS; Smart Grid</p> <p>Task Force</p>	from 2018	<p>PLN Sul & NT has initiated the following FGD:</p> <ul style="list-style-type: none"> - FGD Smart Grid with University of Indonesia; 9 March 2018 - PLN Sulawesi Regional with University of Indonesia has socialized about smart grid guideline on May 2nd, 2018. - FGD for Smart Grid Basic Design; 13-15 August 2018. - Video Conference Nov 21st, 2018 with PLN Puseulis, Reg Sulawesi, UIW SUTG and SSTB <p>PLN and University of Indonesia already arrange an FGD for smart grid development projects on March 2018 to discuss about the technology approach as well as location selection for smart grid pilot project development.</p> <p>This FGD also attended by officials from wilayah NTB, NTT, Suluttenggo, Sulserabar</p> <p>As the result of FGD for Smart Grid Specification, PLN has submitted to IVA Smart Grid Basic Design, which is used as supporting documents for bid documents for provision of smart grids.</p>	

Monitoring and evaluation					
6	Establish tracking, reporting, and verification systems for DLIs: (i) incorporate DLIs into the SILM in a separate module, and set up mechanisms to produce regular DLI reports so that corrective action is possible; and (ii) based on these internal DLI reports, set up mechanisms to produce the Annual DLI Achievement Report, to be shared with the MOF and ADB.	SPKK; DIV PRSUL, PR JTBN	from 2017	<p>On-track for 2018.</p> <ul style="list-style-type: none"> - DLI 1, 2, 3, 4, 5, 7: SILM - DLI 6: manual from Smart Grid Team Sul and NT - DLI 8: manual report from DIV AKT - Non DLI: SAP Distribution <p>PLN Sul & NT has developed specific monitoring document for monthly DLI tracking in excel report by UIW.</p> <p>PLN already sent official letter for semi annual report in 2018 to ADB (sk_2018_25_MNJ.03.01_1766) and MOF (sk_2018_25_MNJ.03.01_1765) on Dec 12nd, 2018</p> <p>PLN already sent official letter for the 3rd and the annual report in 2018 to ADB (sk_2019_25_MNJ.03.01_296) and MOF (sk_2019_25_MNJ.03.01_297) on Feb 27th, 2019</p>	
7	Implement or update the measurement and recording of indicator baselines, with a view to (i) conduct effective performance monitoring; and (ii) report on DLIs.	SPKK; DIV PRSUL, PR JTBN; SETPER	from 2017	<p>Baseline was updated in annual verification 2017. PLN is currently implementing based on the updated baseline.</p> <p>Measurement and DLI indicators update for baseline and achievement in 2017 already done in May 2018.</p> <p>Monthly monitoring from UIW SSTB, SUTG, NTB and NTT</p>	

8	Strengthen PLN's regular monitoring and evaluation system for reporting DLIs and other key performance indicators in real time, including the generation of monthly summary progress reports on all RBL program indicators, which will become the basis for annual reporting on DLIs and other indicators.	SPKK; DIV PRSUL, PR JTBN;	from 2017	<p>Achieved with SILM data and manual report</p> <p>Every month, PLN Regional together with SPKK conduct a performance dialogue to monitor the unit performance according to KPIs. PLN Regional also publishes monthly reports related to activities for one month for the purpose of evaluation and management decision making.</p> <p>PLN Sul & NT has developed specific monitoring document for monthly DLI tracking.</p>	
9.	Assess the achievement and verification of the DLIs by PLN and the independent verification agent and authorize the DLI Achievement Report to be shared with the MOF and ADB. Submit the withdrawal application directly to ADB and a copy to the MOF, accompanied by the review mission's verification of DLI achievement and other supporting documents.	DCP; SPKK; DIV RKO; DIV PRSUL, PR JTBN; DIV TRE	from 2017	<p>The Loan Review Mission MOU for 2017 already finished on May 8th, 2018.</p> <p>PR SUL and PRJTBN sent the Quarter 1 Report 2018 by May16th , 2018</p> <p>PLN already sent official letter for semi annual report in 2018 to ADB (sk_2018_25_MNJ.03.01_1766) and MOF (sk_2018_25_MNJ.03.01_1765) on Dec 12nd, 2018</p> <p>PLN already sent official letter for the 3rd and the annual report in 2018 to ADB (sk_2019_25_MNJ.03.01_296) and MOF (sk_2019_25_MNJ.03.01_297) on Feb 27th, 2019</p>	

	Financing and partnerships				
10	Monitor funding allocations from the Government of Indonesia and all financing partners against agreed funding and investment targets, using existing systems run by PLN's Finance and Budgeting Division and Treasury Division.	DIV TRE; DIV AKT; DIV ANG; DIV KEU	from 2017	Data is available at the Directorate of Finance in coordination with DIVRKO for all financing of PLN activities. RKO has sent the updated data for funding allocation in 2018 and 2019 to IVA.	
	Financial management				
11	Complete the full integration of IBM Cognos' Budget Planning and Control System with the ERP system to allow (i) system-generated comparisons of the budget with actual expenditures, and (ii) system-generated consolidated financial statements.	DIV AKT; DIV KEU ; DIV ANG	by Jan 2018	For (i): PLN has finished the SIP2A installation process, which is now called "e-budget" application in December 2017 and the trial is already started and implemented in wilayahs since January 2018 (the trial in January and February 2018) For (ii): PLN already prepare a tender process for corporate consolidation and subsidiaries (ncluding with PJB and Indonesia Power) to develop an application called "Aplikasi Konsolidasi Korporat (AKK). Currently, PLN is in the stage of tender preparation, TOR is prepared and already sign by KADIV STI.	

Procurement					
12	PLN's new procurement monitoring system "AMK" implemented in program areas, and a procurement monitoring report prepared and submitted quarterly.	DIV SCM; DIV PRSUL, PR JTBN; <i>Wilayahs</i>	by the end of 2017	<p>Currently PLN still uses AMK in Wilayah. In the future, PLN plans to integrate e-proc, enterprise asset management, and ERP. Once this is integrated, procurement monitoring report can be produced automatically without having to do double entry to AMK.</p> <p>Data input by user in PLN Areas for AMK application (already sent the data in 2017-2018 to ADB and IVA by email)</p> <p>Achieved in AMK application for quarterly report.</p> <p>PLN also still used supplemental information from SAP to verify more complete data.</p>	
13	An SCM and dispatching system implemented in program areas.	DIV SCM	by the end of 2017	<p>Aplikasi Gudang Online (AGO) has been implemented in all Areas.</p> <p>PLN used AGO to monitor the dispatch of material until rayon level.</p> <p>Procurement Monitoring on Non DLI in SCM Division.</p>	
14	Procurement audits each year of 10% of all contracts at <i>Wilayah</i> and <i>Area</i> offices (information sheet shared with ADB).	DIV SCM; DIV PRSUL, PR JTBN; <i>Wilayahs</i> ; SPI	starting from 2017 audit	<p>SPI has conducted an Audit of Procurements that occurred in the PLN Wilayah and PLN Area</p> <p>Procurement audit report for Sulutenggo and Sulserabar have been sent to IVA.</p> <p>Procurement audit report for wilayah NTT and NTB still on progress because the audit has just finished in</p>	

				Feb 2019.	
15	Prepare and conduct open competitive bidding (allowing international bidders to participate) following PLN's procurement procedures for all pilot smart grid projects under the program.	DIV PRSUL, PR JTBN; Smart Grid Task Force (including DIV SIS, DIV RKO, SPKK, and others); DIV DAS; DIV EPP	from 2018	The Guideline already finished in the end of April 2018 PLN makes a team for smart grid implementation include procurement from PLN headquarter and PLN wilayahs. 1. Pre- Qualification on Selayar Smart Grid already conducted on Dec 2018. 2. Pre-Qualification on Sangihe still on progress and will be started on Q1 2019. 3. The tentative location for Nusa Tenggara Smart Grid is in Semau.	
	Safeguards				
16	Issue a technical guidance on the implementation of safeguard program actions (including the guidance on safeguards screening ^a) to General Managers of PLN Wilayahs.	DIV K3L, DIV PR SUL, PR JTBN; DIV OR SUL; DIV OR JTBN	prior to the first annual disbursement	Revised Technical Guidelines for implementation PAP of safeguard in Sulawesi and Nusa Tenggara have been sent to EVP PR SUL and EVP PR JB TBN by Nota Dinas No. 00647/KLH.01.02/EVPHSSE/2018 dated 21 st Dec 2018 later on forwarded to PLN Wilayah. The letter has been forwarded by PR-SUL to UIW SSTB and SUTG by letter number 0011/KLH.01.02/EVPPR-SUL/2019 on Jan 14 th , 2019. Also for PR-JBTBN to UIW NTB and NTT.	

17	<p>Strengthen meaningful consultation with affected peoples and IPs by: (i) issuing guidance on meaningful consultation in collaboration with DIV PRSNT and SKOM (the guidance will ensure the participation of IPs in tailoring project benefits for affected IPs communities in a culturally appropriate manner) with reference to MOEF Regulation No.17/2012); and (ii) document the process and result of the consultations</p>	<p>(i) DIV K3L (ii) Wilayahs</p>	<p>(i) prior to the first annual disbursement (ii) from 2017 onward</p>	<p>Meaningful consultation guidelines already exist in the revised technical guidelines (PAP 16), for lists of indigenous peoples check www.brwa.or.id</p> <p>DIVHSSE has made a reporting template Form 6 of the technical guidance Appendix III.6, consultation public record and the evidence.</p>	
18	<p>Ensure the application of environmental mitigation measures to the construction of distribution lines by: (i) preparing environmental documents (UKL/UPL or SPPL) for the construction of distribution lines that is approved by the BLHD; (ii) specifying environmental mitigation measures in the contract document; (iii) monitoring the implementation of the mitigation measures; and (iv) proposing and implementing corrective actions if noncompliance with the proposed</p>	<p>Wilayahs</p>	<p>from 2017 onward</p>	<p>(i) PLN Wilayah has gradually developed the environment documents and permits for distribution lines activities. For the year 2019 pilot projects have been selected, UP3 Manado (UIW Suluttenggo), UP3 Makassar Selatan (UIW Sulsebar), UP3 Kupang (UIW NTB) and UP3 Bima (UIW NTT). List of permit progress as attached</p> <p>(ii) Mostly mitigation measures in the in the contract document regarding safety. PLN HQ will continue to remind PLN Wilayah to include environmental management clauses in contract document and this issue will become a topic on safeguard training 2019.</p> <p>(iii) The implementation of mitigation measurement from Contractor has reported to PLN UP3 regularly by Laporan Pelaksanaan Pekerjaan.</p> <p>(iv) Monitoring this activities is on Form 6. Currently DIVK3L still collecting data</p>	

	<i>mitigation measures is identified.</i>				
19	<p><i>Improve the management of waste and assets at warehouses by: (i) preparing an inventory of used equipment for disposal as of the end of 2016; (ii) preparing an inventory of used equipment for disposal at the end of each year from 2017 onward; (iii) securing approval of the disposal inventory (as of the end of 2016) from the PLN Board of Commissioners (for equipment less than 5 years old) and the MSOE (for equipment more than 5 years old); (iv) revising the PLN Guidance for Asset Management (1998) to accelerate the disposal of hazardous waste, including a requirement to prepare and submit annual disposal inventories from the end of 2017 onward; (v) preparing a waste and asset management improvement plan (including a timeframe, budget, and human resources) in consultation with DIV AKT and DIV K3L, to be approved by DIR REG SNT; (vi) cleaning up</i></p>	<p>(i) <i>Wilayahs; DIV AKT</i></p> <p>(ii) <i>Wilayahs; DIV AKT</i></p> <p>(iii) <i>DIV AKT</i></p> <p>(iv) <i>DIV AKT; DIV K3L</i></p> <p>(v) <i>Wilayahs; Areas; DIR REG SNT</i></p> <p>(vi) <i>Wilayahs; Areas</i></p> <p>(vii) <i>Wilayahs; Areas</i></p> <p>(viii) <i>Wilayahs; Areas</i></p>	<p>(i) <i>by Dec 2017</i></p> <p>(ii) <i>every first quarter starting from 2018 onward</i></p> <p>(iii) <i>by Dec 2018</i></p> <p>(iv) <i>by Dec 2017</i></p> <p>(v) <i>by Dec 2017</i></p> <p>(vi) <i>by Dec 2018</i></p> <p>(vii) <i>by Dec 2020</i></p> <p>(viii) <i>by Dec 2021</i></p>	<p>(i) <i>Related to letter No. 0583/Keu.02.02/WSSTB/2016 an inventory of used equipment for disposal as of the end of 2016 have been submitted from Wil Sulselrabar to PLN DIVAKT.</i></p> <p>(ii) <i>Already submit for 2017</i></p> <p>(iii) <i>Related letter No. S-290/MBU/04/2018, MSOE have been approved.</i></p> <p>(iv) <i>the update of 1998 guidance is on progress. The final update will be finished by June 2019. However, some regulations has been created to simplify this guidance</i></p> <p>(v) <i>PLN Wilayah already have workplan & budget regarding waste and asset management at warehouse</i></p> <p>(vi) <i>Currently PLN has an inventory list of new / used oil spill and other materials in PLN's location / warehouse</i></p> <p>(vii) <i>even though the target of this activity is in 2020, several areas temporary HW equipped with oil containment have been completed</i></p> <p>(viii) <i>PLN has arranged an action plan to improve the management of assets and hazardous waste in warehouses (Form 2). the progress of the achievement is not good, but the PLN Wilayah keeps trying to make it even better.</i></p>	

	<p>existing oil spills in accordance with relevant regulations (including MOEF Regulation No. 33/2009 and Government Regulation No. 101/2014), and disposing of excavated hazardous waste material at appropriately licensed hazardous waste disposal facilities, while retaining records of all transfer notes; (vii) equipping warehouse sites (with hazardous wastes) with oil containment and protection measures; and (viii) implementing the waste and asset management improvement plan.</p>				
20.	<p>Enhance community safety along distribution lines (including transformers) under operation by (i) building community awareness to prevent the growth of tall vegetation along the distribution lines and public contact with potentially dangerous electrical equipment; (ii) monitoring tree trimming by the distribution line maintenance contractors; (iii) reducing outages due to tree disturbances (baseline data collected in</p>	<p>(i) Wilayahs (Public Relation Division) (ii) Wilayahs (iii) Wilayahs (iv) Wilayahs (through contractors)</p>	<p>(i) from 2017 onward (ii) from 2017 onward (iii) from 2017 onward (iv) from 2017 onward</p>	<p>(i) Community awareness activities record show in Form 4. Evidence MoM and attendance list will be submitted to IVA (ii) monitoring tree trimming activities record show in Form 5 (iii) reducing outages due to tree disturbances data record show in Form 5 (iv) Safety notice activities record show in Form 4</p>	

	<i>2017); and (iv) posting safety notices on newly installed distribution transformers.</i>				
21	<i>Obtain and document the written agreement of landowners for the use of land for distribution transformers, following Buku 4.</i>	<i>Wilayahs</i>	<i>from 2017 onward</i>	<i>DIVHSSE already compose template for the written agreement. This template is in the revised technical Guidance (PAP 16).</i>	
22	<i>Monitor resettlement outcomes and their impacts on the living standards of displaced persons by reviewing complaints received, and take necessary actions if the impacts are found to affect the income and livelihood status of the affected persons. The monitoring result should be documented, and corresponding measures formulated and implemented if income and livelihood status are affected</i>	<i>(i) Wilayahs (ii) Wilayahs</i>	<i>(i) from 2017 onward (ii) from 2017 onwards</i>	<i>It's in technical guidance (Form 7). PLN will add the status of complaints to be equipped with information on costs incurred and when they are completed</i>	
23	<i>Appoint safeguards focal persons who have attended PLN's internal safeguards training at each Wilayah and Area to implement environmental and social</i>	<i>Wilayahs; Areas</i>	<i>prior to the first annual disbursement</i>	<i>PLN already has focal person for safeguard (2017) in each area and social (2017) in wilayah. For 2018, not yet.</i>	

	<i>safeguard activities</i>				
24	<i>Build capacity on environmental and social safeguards with a focus on the safeguard program actions by holding regular meetings (including refresher training sessions) convening relevant PLN staff at headquarters, Wilayahs, and Areas, as well as all focal persons, contractors and key local government counterparts) to ensure the smooth and timely implementation of the safeguard program actions.</i>	<i>DIV K3L</i>	<i>from 2017 onward (at least once a year)</i>	<i>This capacity building has been conducted in 11-12 April 2018. Attended by all PLN safeguard focal point (Wilayah and UP3) (without contractor)</i>	
25	<i>Monitor and ensure the implementation of the program actions by (i) monitoring and documenting the implementation of program action 19 and reporting to the PLN Wilayahs regularly (at least semi-annually), with records (transfer notes) of the disposal of hazardous waste at appropriately licensed facilities; (ii) monitoring and documenting the implementation of program actions 17, 18, 19, 21, 21</i>	<i>(i) Areas (focal persons) (ii) Wilayahs (focal persons) (iii) Wilayahs</i>	<i>(i)-(ii) from 2017 onward (iii) from 2017 onward</i>	<i>Monitoring conducted by DivK3L quarterly</i>	

	<p><i>and 22, and reporting to DIV PR SNT, DIV PPT, and DIV K3L regularly (at least semi-annually), with records (transfer notes) of the disposal of hazardous waste at appropriately licensed facilities; and (iii) documenting the list of distribution line projects (including village names and the length of distribution lines) with the result of safeguards screening, and submitting this to DIV PR SNT and DIV K3L annually.</i></p>				
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